

Engineering and liberal arts problems vary

by Maureen Sexton
Newspeak staff

Since the addition of Counselor Ellen Thompson and their relocation to the first floor of Washburn Hall, the WPI Counseling Services Office has been a rather busy place. Despite a rather inconspicuous housing (directly opposite Boynton Hall), the counselors "saw more people in the fall than ever before," according to Roy Astley, a ten year veteran of WPI.

In increase can be mainly attributed to the additional hours available through Mrs. Thompson, who worked at a number of New England colleges - most recently Assumption College before coming to WPI last May. Another cause for the increase in students seeking counseling may also be additional stress being placed upon

students by numerous sources including financial pressures and the international situation.

Ellen Thompson has found that the engineering school environment does place added stress on the students when compared with the liberal arts schools where she worked previously. Though additional financial problems and stress due to the male/female ratio have been encountered, Mrs. Thompson feels the additional pressure is "primarily academic."

"I feel there is a higher level of maturity needed" stated Thompson when comparing the freedom of the WPI Plan with the usual college curriculum, "yet the support is there. The WPI community is small, friendly and supportive." The counselors feel that this is where they fit in. "When a

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C term begins smoothly

by Bob Thivierge
Newspeak staff

It is the beginning of a new term at WPI; books must be bought, changes must be made, and all students must register. Anyone attending WPI is well aware of the difficulties that can be posed by registration, but this term a different situation was noticed. Registration went much more smoothly and persons involved were not so troubled with the whole process. The reasons that account for this progress in the registration process are found mostly in the action taken by the administration.

Students were allowed to make course changes, for C term, before Christmas vacation. Dean van Alstyne, Dean of Academic Advising, changed some 6,000 courses as a result of the

early forms received before Christmas. It is thought by both van Alstyne and Registrar Long, that the changes made prior to the Christmas vacation played a part in lessening the amount of problems that might arise. One other reason for the successful registration was due to the fact that more help was available to get things done faster.

It has been noticed, through the years, that both terms B and D pose particular problems for registration and that terms A and C do not. The reason is thought to be that terms B and D come after the students have had one term of a given topic of study, and as a result, students have a better perspective on that subject, and changes are made more frequently. This term was not included in the statistically higher change group which also had an effect on the smoothness of the operation.



The student newspaper of Worcester Polytechnic Institute

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WPI students support draft registration

by Doug Fraher
News editor

A poll of 101 WPI students revealed that sixty percent support President Carter's call for resumption of registration for the draft. An Associated Press - NBC News poll found that 78% of all Americans favor registration. However, in the 18 to 24 year-old group, only 40% favored the draft and 55% were opposed.

Most of those who favor registration felt that it was a necessary evil. Geff Alexander ('81) stated that "registration is going to be a drag, but it's needed. The military seems to be falling apart—the people in the armed forces just don't seem to be cutting it." Many other students also felt that the draft would be necessary to maintain military preparedness.

Several students who favored registration felt that it would not have been needed if the United States had maintained firmer and more consistent foreign policy. Thomas Potter ('82) believed that "Carter has messed up in foreign policy and this got us into the current situation, particularly Afghanistan. If he had done a better job we wouldn't have to be re-instituting the registration for the draft."

Many of the students who did not approve of the resumption of registration felt that it might lead to a peacetime draft. Bill Ure ('81) stated that he was "totally against registration. I don't think we need it

those of most students when he said, "I guess my feelings are pretty much like everyone else's. I wouldn't want to be drafted, but if I was I'd serve." However, a number expressed pacifist views. Jim Kaemmerlen ('82) said, "I'm against starting registration for the draft again. I would rather have our forces stay voluntary. However, if I'm drafted, I will not go to Canada or try to evade it. Instead I would apply for conscientious objector status. I would probably refuse to fight in combat. If forced to, I would take a non-combat military support position. I'm sure I would lose a good part of my sanity if I was in a combat situation. Most people probably have little realization of what combat entails."

Opposition to registration has not been as vocal at WPI as at other area colleges such as Assumption and Holy Cross. However, Bob Fischer ('81) is organizing a meeting in the next few weeks with members of the American Friends Service Committee and other interested local people.

and I'm opposed to a peacetime draft. It's different if we have a war. But I don't think that registration is necessary — they could find out through social security where people live."

Most of the students who responded to the survey expressed their willingness to serve if drafted. David Torrey ('81) stated views similar to

Lou Caldrello ('83) expressed the frustration of many students when he said, "I was thinking of a slogan. Instead of 'Make Love—Not War' of the 60's, we should have 'Make Energy—Not War' for the 80's. I can't believe that we have so many engineers and scientists that we can't devise means so that we won't be so dependent on oil."

Should registration for the draft be reinstated?	Should women be exempt from a draft program?	Should college students be exempt from a draft program?
Yes 59%	Yes 21%	Yes 34%
No 36%	No 74%	No 47%
Undecided 5%	Undecided 5%	Yes, but conditionally 17%
		Undecided 3%

EDITORIAL

Better ways for protest

There's a three letter word in our language that promises to create new waves of dissent in America. The word is not gas or oil, through our country's dependence upon these resources is often cited as one of the primary roots of this dissention-maker. The word is war.

As political tension between governments rises, the leaders of the United States have begun to move toward initiating a registration program for men and possibly women - the first move in the process of reviving the draft. The combination of Soviet intervention in Afghanistan, the possibility of a draft, and President Carter's veiled threats concerning the U.S. taking "strong measures" against foreign powers is leading the American public to the conclusion that war in the near future is inevitable.

As soon as the first whispers of reinstating the draft filtered through the red tape of Washington, there were instant protests. Demonstrations were reported on college campuses across the country. Through falling far short of the rioting seen during the Vietnam war, these recent demonstrations did exhibit violent actions and volatile moods. It is ironic that the groups preaching no draft the loudest are those doing the most destruction. Flag burning, fist fighting mobs chanting, "Hell no, we won't go!" gathers more bad publicity than good.

It is time that the government recognize that the young people of this country should have the right to participate in making the decisions that will determine their futures, but violence has never improved government relations with dissenters as was seen during the Vietnam protests. A replay of the tragedy of Kent State would not aid in bridging the gap between the government and the people. There's an old cliché that bears some merit — you catch more flies with honey than vinegar. The government should make strides toward listening to its people. A better approach to catching our leaders' attention would be to rationally begin an activity such as a letter writing campaign or a rekindling of the "Alice's Restaurant Massacre". Either way will prove more effective than sudden, short, violent outcries. Hot-headed action will benefit none.

Letters policy

WPI Newspeak welcomes letters to the editor. Letters submitted for publication should be typed (double spaced) and contain the typed or printed name of the author as well as the author's signature. Letters should contain a phone number for verification. Students submitting letters to the editor should put their class year after their name. Faculty and staff should include their full title. Letters deemed libelous or irrelevant to the WPI community by the editors will not be published.

The editors reserve the right to edit letters for correct punctuation and spelling.

Letters to the editor are due by Noon on the Saturday preceding publication. Send them to WPI Box 2472 or bring them to the Newspeak office, Riley 01.

Newspeak

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LETTERS

Registration opposed

Any discussion of registration, draft and war can not be based solely on the political reality of the times. Indeed, many of the real issues at stake go beyond the situation in the Middle East, beyond the threat of loosing a source of energy, and beyond the fear of communist domination. Does any government have the right to require its citizens to commit murder in the name of the state? Can a government overrule one of the strongest tenets of moral existence. The belief in the absolute value of human life? Should man and woman who have made it a practice to solve their differences through thoughtful, rational means be forced to join with an effort dramatically oppressed to their way of thinking? Why is the military the only way for a citizen to serve his or her country? Is it unpatriotic to refuse?

Murder is a strong word. It cuts through the euphonistic muddle of military phrases such as "anti personal devices" and the equally murky view of "being a good American" and "serving my country." Willfully taking a life of another human being is murder. No question. So if war is murder then who are the murderers? The man on the front lines, those who drop the bombs? Let us be fair though, is there any essential difference between the man who shoots the gun and the man who gives the order to shoot? Furthermore, he too has a superior who controls action on a larger scale: are the Generals to blame? If we carefully trace through the myriad levels of who orders whom to do what we'll come to the last link in the chain; we ourselves are the murderers. We pay the taxes, we select our leaders — WE collectively are the killers. Individually, however, we have no choice in the matter. When the government goes to war it takes with it the armament and personnel that we have provided, and this making unwilling killers out of many people whose fundamental beliefs forbid them to take a life. In doing so, the

government abridges a basic human freedom. This should not be allowed. This should be opposed.

For many, responding with violence for violence is an intolerable means of existence. Martin Luther King Jr., Mahatma Ghandi are outstanding examples of people working for peace through peace. Violence may temporarily destroy the enemy, but it does not change the underlying emotions that caused them to become the enemy. For those who have derived at this way of thinking, registration, the draft, and finally war, in all its ugly facets, is a mockery of reason.

I believe that I am a patriot. I do love my country, its people and its doctrine of human rights. By resisting registration I find myself in an unpopular position: "unpatriotic", "A stallion of duty" But is the military the only way in which I can be of service to my country? What about the problems in our cities, the racism, the poverty, and the poor quality of education.

So many people can neither read nor write. Am I not being a patriot if I address some of those issues. Am I not defending my country if I work towards educating its people so that they are better equipped to pass judgement on our foreign policy. We need alternatives to the military. Let us put no more of our citizens in jail or send them fleeing to Canada for standing up for their beliefs. For if we do this, we deny the reasons that brought our forefathers to this country, the right to self determination.

War is not pretty, it leave no one untouched in its ravenous path. It breaks apart families. It destroys cultures. Problems can be cured by force-beaten into a hopeless state of defeat —but they can not be solved. It is time to end the bitter cold war that is holding us in constant fear. Time to hold back and act out of reason.

Robert Fischer

Wrestlers pay tribute

by Demps

The WPI Wrestling team returned to campus Sunday, January 6, to resume practice in preparation for an upset bid against Coast Guard Academy on the fifteenth. But our hearts were hardly in the mood for wrestling as the team was saddened to learn of the death of Bill Comeau, the teams' freshman standout in the 158 lb. weight classification. Bill was the only member of the team to be undefeated, a superlative effort for a freshman. He was a gentle, enjoyable person, who helped make the grueling hours in the wrestling room that much easier to bear.

Bill was a proud athlete and an excellent student, respected by all who

came in contact with him. He was an ardent lover of aviation; pictures of aircraft and aviation magazines decorated his room on the 2nd floor of Morgan. A transfer student from the Air Force Academy, Bill found WPI quite to his liking and spoke with great expectation of his years to come at WPI.

This tragic and sudden loss of so young a man, has touched all of us in the WPI community, but especially on the Wrestling squad where we knew him as well as anyone here at school.

Our heartfelt condolences go to Bill's family and friends in his home town of Ripton, Vermont. A man of Bill's quality will surely be blessed by God.

Sorry, wrong number

The telephone number shown in the campus and student directories for the third floor pay station in Sanford Riley Hall is incorrect. 799-9810 should read 798-9810.

Unfortunately the number printed is that of a lady who lives in the city and has had this number for many years. She has graciously accepted the in-

convenience but would appreciate our help in minimizing the number of calls for dorm residents until the next directory appears.

Would you please spread the word among your constituencies to make this correction in their directories. It will help restore WPI's good will with the lady who is the unfortunate victim of this error.

Kinks cancelled

Due to technical demands made by the Kinks and their production crew, we are sorry to announce the cancelation of our February 29 concert. We were unable to comply with their unreasonable requests, because of building and fire regulations. Alternatives are being considered, and an announcement of new entertainment will be forthcoming.

The Social Committee

Religious beliefs not related to leadership skills

For today's sermon I turn to my two dictionaries and I find:

Atheism -the denial of or disbelief in God as a first Cause, or Ground, of the universe.

Atheist -one who denies the existence of God.

You will note that these definitions do not get into the tangled thicket of morality, or anti-social behavior, or subversion of the state, etc. But for some bizarre reason for a substantial number of otherwise quite reasonable people -there might even be a few at WPI, who knows?-the word "atheist" carries sinister overtones. While such people cannot prove it, they rather suspect that atheists spend their

holding state office had to state under oath that they believed in God, is a generation behind us. Our country has always led the world in the matter of the state keeping its nose out of the religious beliefs of the citizenry.

But social pressures and prejudice are another matter. It is considered bad form to criticize a person's religious beliefs; but the person who rejects the supernatural aspect of religion is still regarded with grave suspicion. This view was nicely expressed by President Eisenhower in December, 1952: "Our government makes no sense unless it is founded in a deeply religious faith -and I don't care what it is."

FACULTY PEN

waking hours in occupations like putting ground glass in infants' porridge, pitching rocks through church windows, and tripping up little old ladies in the street.

This sort of misconception, I fear, is at the root of the American public's hearty dislike of the Supreme Court decision barring prayers from the public schools. It is widely felt, by those who ought to know better, that a child who demonstrates publically and vocally allegiance to a Superior Being is going to be a better citizen for it -that is, that theistic beliefs are somehow a *necessary* (if not sufficient) condition for leading a "Moral" life. Such people are not in the least bit discouraged by the fact that the prisons of the US are full of people who said their prayers faithfully in childhood.

Now generally I -as a cradle atheist -merely view this obviously silly notion with amusement. Indeed, in the U.S. today, the atheist would have a hard time pointing to any way in which the state discriminates against the non-believer. The Toscano decision, which ruled unconstitutional a quaint Maryland law requiring that all persons

What has led me to address you on this topic was a phrase on President Carter's Jan. 4 speech criticizing the Russian take-over of Afghanistan. In his comments he alluded to the atheistic Russians in contrast to the devout believers in Kabul. The implication was clear -what can you expect from a bunch of atheists?

Now I haven't the slightest objection to my president being a born-again Christian, as I do not see how his doctrinal beliefs have the remotest bearing upon his qualifications for high office. Therefore I would not dream of casting my ballot for him, or for anyone else, solely on the basis of his/her religious affiliation. But I do find it quite objectionable that in his role as president he should by implication speak disparagingly of the religious beliefs of millions of his fellow citizens. I am not in the least bit interested in the views of Brezhnev on the Holy Trinity, nor in the doctrinal absurdities promulgated by that devout national leader, the Ayatollah Khomeini. I think we are all concerned with what these men *do* -not with their professed views *vis-a-vis* the supernatural.

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IFC blood drive begins today

by Shauna Donovan
co-sports editor

The WPI Interfraternity Council is sponsoring a blood drive on February 5, 6, 7, in Aiden Hall between 10:00 a.m. and 4:00 p.m. All persons eligible are encouraged to donate a pint of blood. To be eligible one must be between the ages of 17 and 66 and over 110 lbs. Anyone with a history of hepatitis, self injected drugs, epilepsy, or cancer is permanently deferred. After surgery one must wait six months before giving blood and after a tooth extraction three days. All those donating should have at least six hours of sleep and should eat a meal within four hours of giving blood.

The one pint you donate may help three or four patients, so give graciously. You will also have a chance to get a free check of blood pressure and hemoglobin and the time involved is minimal compared with the amount of good done. There are fewer persons able to donate blood in the winter than in other seasons because of colds and flu, so all healthy individuals are needed. Listen to your conscience and give willingly.

Meeting for future RA applicants

Any student interested in becoming a resident advisor must attend a meeting regarding selection procedures, expectations, and applications on either Thursday, February 7th at 12:15 p.m. or Friday, February 8th at 4:15 p.m. Both meetings will be held in the Gordon Library Seminar Room. If you have any conflicts see Dean Sherer.

Comp for CS seniors

Any computer science senior wishing to take the competency examination after C term must turn in a completed application by 4:00 p.m. on Tuesday, February 12. Remember you must submit an application (signed by your advisor) each time you take the exam. If you have any questions, see Professor Scragg.

PE credit given for modern dance

The C and D term Modern Dance course is open to complete beginners, both men and women. Beginning February 7th, it meets every Thursday from 7-9 p.m. in Higgins 209 and offers students an invigorating release from academic pressures. No previous dance experience is necessary, only a desire to exercise the body as well as the mind. P.E. 1000 credit is available for both terms.

Friends of
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CAREERS THAT CAN'T BE DUPLICATED

Winter workshop missed winter

by Jack Pobuk

On January 13 to 16, ten adventurous students participated in the Outing Club — sponsored by Winter Mountaineering Workshop conducted in the White Mountains of New Hampshire. The Major goal of this workshop was to teach summer hikers how to enjoy the outdoors in winter despite, or because of, the weather. Plans for snowshoeing, cramponing, and cross-country skiing had been made. Everyone had been briefed beforehand about the dangers of hypothermia and what equipment and food might be necessary for a day trip in the winter.

Unfortunately, it turned out that two things were missing — cold and snow. In a way, some could call the workshop a failure because of this. Nobody touched a snowshoe or ski during the three days, and the wind and cold was never severe enough to require the donning of face masks or wind pants.

However, because another purpose of the workshop, as with all Outing Club trips, was just to enjoy a chance to hang around the outdoors for awhile, everyone had a good time anyway. Also there were plenty of opportunities for people to try out their crampons and ice axes. Because of the melting of snow from the upper elevations and subsequent refreezing, most of the trails turned into thick rivers of ice that made neat little pathways through the surrounding snowless forests. Most of the workshopers got pretty good at quickly getting crampons on and off — a useful talent if the temperature had been -10 degrees F with a 30 mph wind.

Driving from Worcester to Littleton, N.H. on Sunday all were thinking, "there's got to be some snow a little further ahead..." But when they arrived at the Beal House Inn, the ground was as bare as it is in summer.

The Beal House, where they stayed for the three nights, was one of the reasons why everyone enjoyed the trip so much. An 1833 farmhouse close to the center of town, it is now run by Mrs. Beal as a board and breakfast place for hikers and tourists. The house is filled with antiques, most of which are for sale. Our group took up just about all of the beds upstairs. Big, homemade breakfasts were served at 6:30 each morning in the downstairs dining room on a table set with fancy china and real silverware. It was a real classy way to wake up and prepare for a day in the mountains.

There was a cold drizzle almost all day Monday, killing any remaining hopes for "winter wonderland" hiking. Not wanting to go above treeline into the cold and wet clouds, the hikers decided to look for some ice to fool around on along the Flume Slide Trail. They eventually found some, too. Towards the top of Mt. Flume, the path turned into the steep wall of 2 ft. thick blue and green ice that had cascaded down the rocky trail. They got back to the cars in semi-darkness to find that freezing rain had turned the parking lot into a skating rink. Pushing the cars up a 40 ft. incline under crampon-power turned out to be the most fun part of the day.

The weather cleared up during the next day, though it was still cloudy and too warm. The group conquered Mt. Clinton with no problems and was treated to some fine views of the Presidential Range. Crampons were needed for about half of the climb due to ice trails. Conditions were considerably different from last year's workshop, when the same mountain had over a foot of snow on it, the air temperature was in the teens, and a 30 to 50 mph wind whipped clouds by at the top, limiting visibility to about 100 ft.

Two days of hiking had tired almost everyone out, but after hot showers at the Beal House, all were refreshed enough for the usual supper excursion to Oliver's a small, rustic-type restaurant right down the street. They serve fantastic beef stew and unbelievable salads, and it all goes very well with their warm stout — just ask the General. After a quick stop at the supermarket, they were all set to head back to the Beal House for our nightly



"conference" in the largest bedroom. It was decided that the group would attempt Mt. Moosilauke (4800') on the last day.

When they got up Wednesday morning, it was about 20 degrees F, and the sky was clear. It turned out to be almost spring-like weather, complete with a little mud. Because of the lack of snow it was possible to drive up the dirt road to Ravine Lodge, one of Dartmouth Outing Club's cabins.

The three and a half hour climb to the top presented little problem for the group of experienced cramponers. At the summit, there was a small wind,

but the temperature must have been pretty close to 30 degrees, so that they could lounge around and eat some lunch. The sky was blue all day, and there was a good view of the Franconia region, the Presidentials, Vermont, and some of Maine and Canada too.

By this time, everyone had forgotten that they were supposed to be winter climbers. If it wasn't for the fact that they were the only ones around, and there were no mosquitos, it could easily have passed for May or June.

It's too bad that nobody learned much about snowshoeing or skiing or

how to stay comfortable in severe winter weather. The Outing Club will be trying to organize some winter trips this term. Anyone who felt they got short changed on the workshop or anyone else who's interested should check out the Club's upcoming meetings. A day climb up Mt. Monadnock, weekend trips to Mt. Washington or Mt. Carragan, and a cross country skiing weekend in the Adirondocks are all possibilities. The next meeting is Thursday night, Feb. 7 at 7 p.m. in GH 227. If you can't make it, contact Box 2392.

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NORTHWESTERN MUTUAL LIFE
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Higgins House serves as WPI's 'campus jewel'

by Gavin Hilgemeier
advertising manager

Higgins House, an English Tudor jewel bequeathed to WPI in 1970, is a little known corner of WPI's campus. Higgins House is set on five acres of carefully landscaped grounds designed to set off the house to its best advantage.

Higgins House was the home of the A.C. Higgins family. Designed in 1921 by Grosvenor Atterbury, a New York architect specializing in English style homes, Higgins House is modeled after the Compton Wyngate Estate in England. The house is built in the English Tudor style with ingredients of Queen Anne and Gothic styling thrown in for good measure.

large quantities of clear and stained glass were used. Mr. Higgins admired these English manor houses greatly, especially Compton Wyngate, so he had his house built in the Tudor style. Tudor, French, and Hispanic architectural forms were all undergoing a revival when Higgins House was built. Also, the Tudor style was an appropriate stage set for the Higgins collection of English stained glass, tapestries and religious articles dating from the 12th to the 16th century. These were all sold upon Mrs. Higgins death in 1970 before the estate was bequeathed to WPI.

The interior of the house has some interesting qualities. All woodwork inside and outside the house is handcarved. For example, the mantle in the



Balcony contains coat-of-arms for all previous owners.

—Leon Droby



Higgins House characterized by English Tudor style.

—Leon Droby

The English Tudor style is characterized by heavy half timbered construction combined with brick and/or stone construction. Half timbering is when the heavy timber construction members are exposed and the spaces in between the members is filled in with brick and stucco.

Other elements of the English Tudor style are long low profiles, steep roofs, tall spirelike chimneys and extensive use of glass. For the first time, glass was affordable and available, therefore

sunroom was originally a curbstone downtown. The Great Hall which is three stories tall has handcarved paneling, the balcony in the hall has a coat-of-arms for every owner of the Higgins property from the Indians to the Higgins themselves. Because of a system of ducts, the organ, located off the balcony, could be heard throughout the house. The house presently has 9,547 leaded glass window panes.

The decorative ironwork used throughout the house and grounds as grills, rails, and grates are all handmade. A.C. Higgins often designed the ironwork imported from a Swedish craftsman, who labored constantly for two years, producing the designs. The outside of the house is decorated with stenciled designs, patterned brick and gargoyles (grotesque caricatures) of animals found on the estate. The house contains 29 rooms and was lived in by four people, not including servants.

The grounds are a series of carefully planned gardens, terraces, and vistas. The smaller gardens are all modeled upon the symmetric English Tudor formal gardens, with beds of flowers, arbors and hedges surrounded by walkways of brick set in a herringbone pattern.

Aldus Chapin Higgins, builder of Higgins House, was born in Worcester in 1872, and he died in 1948. He attended WPI and graduated class of '93, with a Bachelor's in Mechanical Engineering. He went on to Law school in Washington, getting both Bachelor's and Master's degrees. WPI gave him an honorary doctorate in engineering in 1931.

Mr. Higgins worked as assistant

examiner in the patent office, in Washington, then returned to Worcester and set up his own law firm. He joined Norton Company in 1901. In 1913, he was made secretary and general council of the company. He held a variety of important posts until he became president of Norton in 1933. He became chairman of the board in 1941 and in 1946 became chairman of the executive board.

Mr. Higgins was a well-known man. In 1914, he was given the John Scott medal for his invention of a water cooled electric furnace. On his 75th birthday he was decorated with the Royal Swedish Order of Vasa, first class, with a rank of Chevalier.

Mr. Higgins was an active civic leader and alumnus. He was a member or trustee of many civic organizations and director of numerous corporations. He married a Washington woman in 1898, and she died in 1911. In 1914, he remarried, to Mary S. Green of Worcester. Mrs. Higgins was an active patron and a civic leader until her death at 88 in 1970. It was upon her death that WPI inherited the property. Mrs. Higgins remarried, after Mr. Higgins death in 1948, to Ernest Argell, President of the American Civil Liberties Union. A.C. Higgins' brother, John Woodman Higgins, was founder of the Higgins Armory Museum on Barber Ave. here in Worcester.

The Higgins have left WPI a legacy and a house to be proud of. Higgins House is a one of a kind dwelling that can never be reproduced because the money and the skills no longer exist.

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after 4:00 p.m.

WPIC-TV sports improves wit

by Ken Mandile
Newspeak staff

In the competitive world of network television sports, one network stands out for trying hardest. WPIC-TV has been broadcasting taped WPI varsity basketball games to the WPI campus for three years. Led by Doug Thompson ('78), T.V. Studio Supervisor, the staff of WPIC-TV Sports has slowly been making improvements in their techniques. These improvements have now culminated in some very impressive productions.

Three years ago, several Newspeak editors conceived the idea of making closed circuit telecasts of WPI's winning basketball team. With the help of Thompson, the editors had already made several news and feature shows, including coverage of the Boston Marathon, the Fiji Rock caper, and an interview with then governor of Massachusetts, Michael Dukakis, but they wanted something regular. Basketball seemed to be a natural choice for a regular show. Though it requires a massive amount of time to prepare for, basketball is close by, regular, and often exciting. So, out of a small group of students, WPIC-TV Sports was born.

In their first year, WPIC-TV Sports, consisting of a crew of about five students, broadcasted three games. Using only two cameras and a single coaxial cable from Harrington to Higgins Labs, they began what has become a massive and frequent production.

Over the past three years they have grown to a staff of almost twenty. Along with this growth, they have gained much experience and the use of



much more equipment. They now use five cameras in Harrington, have several cables to the T.V. Studio, and have added several features and special effects.

Rory O'Connor ('78), former Newspeak editor-in-chief, has done play-by-play for every one of the twelve games broadcast by WPIC-TV. Rory also does half-time interviews with familiar WPI personalities. He has been assisted by several color men, including former Newspeak advertising

manager, Mark DiLuglio ('80) and former Newspeak editor-in-chief Tom Daniels ('80). Since last year, Steve Leslie ('81) has been doing color. Tom Daniels now assists by announcing the introduction of each broadcast and doing the narration for WPIC-made commercials, such as the Skyteam 3, spot.

Ann Marie Robinson ('79), Mike Sciasca ('81), Tom Polito ('80), and Stephanie Brucker handle the cameras in Harrington. Three of the cameras

are mounted on tripods which can be rolled to require positions on the first level of the auditorium. Tom's camera is mounted on a back frame so that he can roam around. With the help of Doug's brother, Dave Thompson and his friend Bruce Bisbee, brother of Bill Bisbee ('81), Tom can reach any spot on the West side of Harrington. Dave and Bruce move his cables and also aid in pre-game preparations.

Audio signals, which include two announcers, for cameramen, and two technical coordinators, are handled by Jon Kanter ('82). Jon is responsible for mixing the sounds heard by the television audience and for controlling the intercom system between the technical coordinators and the cameramen.

Signals from each of the cameras are fed into a remote console controlled by Mark Hecker ('79). Mark decides what is to be fed to the T.V. Studio and he controls most of the special effects used. One special effect, which was just added this week, is the "keying" of a picture behind the announcers. Keying means that the picture you see behind the announcers is actually from a second camera. In this case, the picture was from Tom Polito's camera on the balcony. What you see is the floor of Harrington behind the announcers, though they actually only have a white screen behind them. Though the concept is simple, actually accomplishing the effect was quite a feat.

Mark's video signal and Jon's audio signal are sent to Higgins Laboratories, where the T.V. Studio is

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th experience and added staff

located via several cables. The cables run through the attic of Harrington, down the east wall, into the basement of Alumni Gym, into a steam tunnel, and over to the T.V. Studio. When they first began, WPIC-TV Sports had only one cable. This required them to modulate the signal in Harrington, send it to Higgins, and demodulate it. The added cables are a welcome advancement to the technical crew of WPIC.

When the audio and video signals reach the T.V. Studio, Doug Thompson takes over. He controls a second console, much like the one Mark controls in Harrington, but permanently installed. Using an intercom system designed by Tom Cotton ('81), Doug can communicate with the Harrington crew. He knows when they want an instant replay, when they're having problems, and when they want a commercial. Doug can also add in other special effects and do editing on the final tape.

Jim Cook ('79), Dan Genis ('82), and Steve Zalewski ('81) help Doug in the T.V. Studio. Bill Holland ('83) and Doug Aker ('83) provide additional technical support. Jim controls a third console which handles still pictures and instant replay. Instant replay is simply an eight to ten second delayed tape. The video portion of the signal from



Tom Polito, Dave Thompson, and Bruce Bisbee handle moving cameras.

—Ken Mandile

Harrington is recorded on a reel to reel recorder. The tape is strung across the instructional T.V. Room and fed into a videotape player. By the time the announcers ask for an instant replay and Doug responds, the recording of the play they want to see has reached the tape player, ready for "instant" replaying over the air.

To give the announcers and remote crew a break during the game, Doug plays public service announcements when requested by the remote crew.

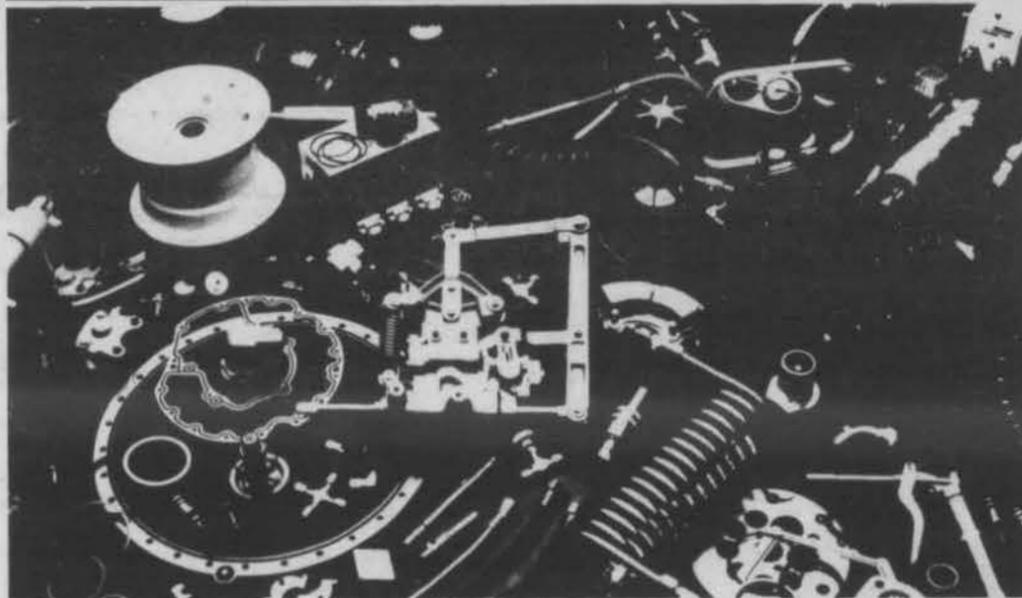
These announcements were obtained by Dave Titelbaum, a former WPI student now attending Northeastern University. While serving their purpose for WPIC, their use is also appreciated by the United Way, the Boy Scouts, Red Cross, and YMCA who benefit from their use.

All of the games are recorded by Doug for broadcast to the WPI campus and for distribution to Basketball Coach, Ken Kaufman. Kaufman uses

the tapes to analyze the games and to recruit new players.

The games can be seen mid-day during the week in the Wedge, the library, WACCC, and the lounges in Kaven, Atwater-Kent, Salisbury, Stratton and Higgins Labs. They are timed so that the half-time falls at noon. The noon news on Channel 4 is shown and the games resume at 12:30. Most games begin between 11:00 a.m. and 11:15 a.m. on Channels 3 and 5.

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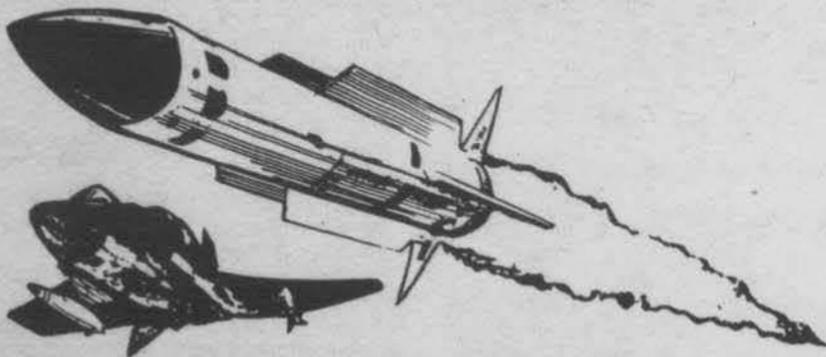


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DANIELS 401: Teenage Wasteland

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...counselors offer many services

(continued from page 1)

student feels overloaded with these pressures, we are the resource to help deal with that overload," explained

Mrs. Thompson.

Both counselors wish to emphasize the fact that they are not only available for major crises, but they are also very

willing to listen whenever any student feels a need to talk. The counseling service also offers a reading and study skills workshop and career testing.

Both Mr. Astley and Mrs. Thompson felt that the last reading and study skills course went quite well. Each of the counselors thought the course was very enjoyable as well as beneficial, for both themselves and the students.

Mr. Astley described the class as "a course in how to think about college level ideas, how to attack a book or novel and how to learn as opposed to how to study. The next WPI READING COURSE WILL BEGIN February 19. Those interested should contact the counseling office.

Another service offered by the office is a type of career testing which matches the interests of the person taking the test with the interest of others in various occupations. There has been an increase in the number of students taking the 30 to 45 minute testing, which is called the Strong-Cambell inventory test.

Mr. Astley finds that students in each class have been coming in for the career testing for a variety of reasons. He finds that it is often beneficial to rethink the decision to become an engineer and the test provides helpful information as to which career best suits the interests of the individual.

The Counseling office recently acquired a receptionist, Mrs. Dora Kimball, whose help will greatly increase the accessibility of the counselors. Any student can now call extension 540 to make an appointment with either counselor.

The schedules of both counselors have been rather busy this year and this is the way they both expect to remain as busy and flexible as possible and both Mr. Astley and Mrs. Thompson wish to stress that they are more than willing to make the time to see any student for any possible reason.

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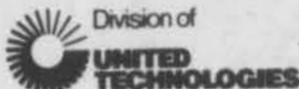
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...Atheism

(continued from page 3)

When Taft ran for president in 1908 the opposition circulated the accusation that he did not believe Jesus was of divine origin, and he did not believe in the miracles of Jesus. Taft made a dignified statement to the effect that this was correct and he did not see how his views were relevant to his performance in the White House. He was elected.

It would be nice to think that we have arrived, 72 years later, at a similar state of tolerance for the atheist—but this is not so, alas. I doubt if any professed atheist (or even agnostic) has ever been elected to the House or Senate, popular prejudice in this regard being as persistent as it is unjust and irrational.

You will note that in the above remarks I have nowhere implied that the views of the atheist were "better" than those of the believers. As the arthritic Frenchman said, "Chacun a son gout." Nor am I one for going around buttonholing people and earnestly urging them to abandon their fatuous notions and just let me give them the Truth, and all will be well. Missionaries give me a pain where I sit down.

Finally, while it is entirely understandable that the clergy takes a dim view of the non-believer, it still behooves the educated man or woman to emulate their spiritual advisors in this regard. So if you arrived on this campus with a prejudice against the substantial segment of your fellow human beings who find the supernatural element of religion to be unnecessary, college is a great place to dump such notions overboard. I wish you all success—and an AD—in this non-scheduled course in toleration.

David Todd

P.S. --At the very least, may I urge you to avoid that dreadful barbarism "godless atheism"?

SPORTS

Grebbi's grapplers 12 and 2

by Duane Delfosse
Newspeak staff

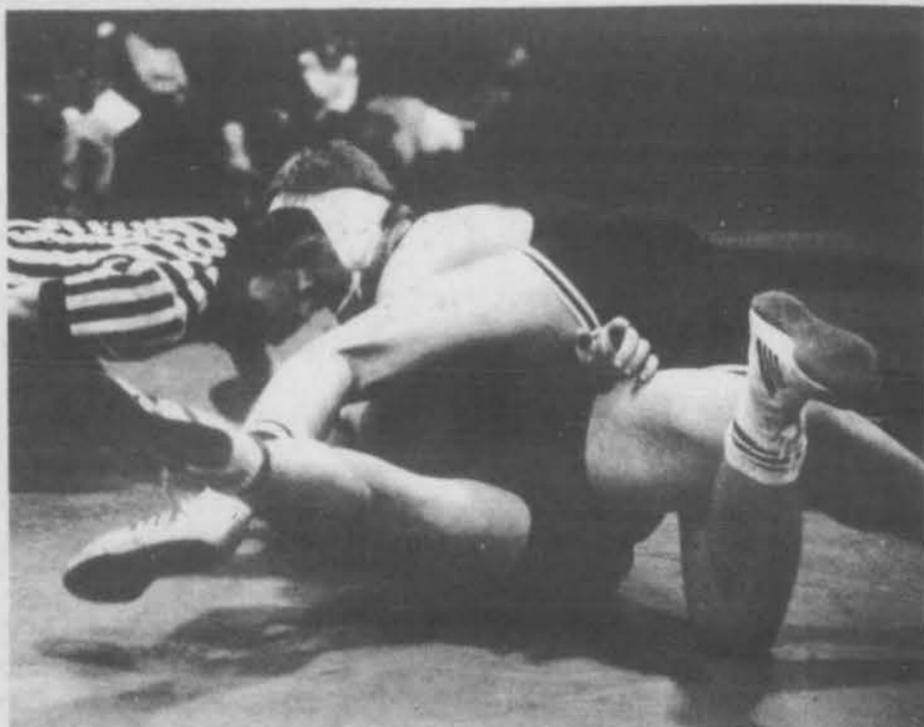
The best word to describe this year's wrestling team is "Awesome." After two close defeats back in December, Grebbi's Grapplers have clicked off seven straight wins to raise their dual meet record to twelve wins and two losses.

Clearly the most significant match in the recent flurry was against Coast Guard in Alumni Gym on January 15. WPI had never beaten Coast Guard who, at the time, was ranked number one in New England College Division. But that was before the Cadets came to WPI and a 33-16 humiliation. As of now WPI is ranked third and Coast Guard fourth. The first and second spots are held by Mass Maritime Academy and Western New England College respectively. Mass Maritime is number one by virtue of a 24-16 win over WPI's grapplers in December. WNEC is scheduled to wrestle WPI on Feb. 13 in Springfield.

Getting back to the more recent matches, the score; are a good indicator of the power of this year's squad. In the last eight wins there were two shut-outs an most unheard of occurrence in college wrestling. Opponents and scores are as follows:

University of New Hampshire	29-14
Coast Guard	33-16
Williams College	44-6
R.P.I.	50-0
Amherst College	25-13
Rhode Island College	30-6
University of Maine	43-8
University of Lowell	39-0

There have really been too many matches to record the performances of individual wrestlers in a given match. However several guys have consistently turned in performances which warrant recognition. Co-captains Dave Wilson and Tony Masullo have compiled records of 12-1 and 13-1 respectively, while Tom Kilkenny and heavyweight New England Champ Marshall Housekeeper are both 10-1.



One of Grebbi's Grapplers makes a move.

—Walter Segrave

These four, as well as freshman John Atkinson (10-2-1) and Sophomore Andy Masullo (10-3) form a nucleus of strength which can be counted on to consistently earn team points.

The grapplers' next match is February 9 at Hartford against, U of Hartford and Wesley, match time is

1:00 p.m.

One last thing, special thanks should be given to the many WPI wrestling supports who have helped give WPI the reputation in New England as the place for exciting wrestling.

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B-ball streak ended

by Mark Bolvin
co-sports editor

The WPI Varsity basketball team ended their losing streak with a 74-61 victory over Suffolk last Saturday in Harrington Auditorium.

The Engineers, who were down 35-32 at the half, played good second half defense and rallied for their sixth victory of the season. WPI didn't get the lead until six minutes into the



—Paul Steffen

second half. Mark Nestor was the game's high scorer with 14 points. Randy Bryne who nine for nine from the foul line had 13 points in the winning effort.

Last Thursday the Engineers lost to a tough Brandeis team 76-59. WPI looked good in the early going as the lead see-sawed between teams. Brandeis took a 36-31 half-time lead, and came out storming in the second half. Brandeis held better than a 10 point lead for most of the second half, the leading scorer for WPI was Mark Nestor with 15 points and 10 rebounds.

Women top Anna Maria

by Shauna Donovan
co-sports editor

The Women's basketball team earned a well deserved victory over Anna Maria College last Wednesday. In the high scoring game WPI scored early in the first half and managed to hold the lead throughout the game despite a slow start. As the game progressed WPI's accuracy improved while that of AMC declined. Also offensively and defensively WPI played better the second half than the first. At half time the score was WPI 34 - AMC 25. In its strong second half WPI scored 40 points to Anna Maria's 10 ending the game with a score of 74-35.

Terese Kwiatkowski, WPI's high scoring player, earned 16 points this game. "She averages 20 points a game and is one of WPI's most valuable players," pointed out head coach Sue Chapman. Other scorers in the game were: Michelle Giard, Janet Hammarstrom, Peg Peterson, Sue Almeida, Carla Blakslee, Karen Dzialo, Linda Matson, Terry Wheeler, Nancy McLane, Cathy McDermott and Karen Costello. Chapman was pleased with both the win and the girls' performance in the game. When asked the strong points of the team she said, "we have a strong team with quick offense, aggressive defense and the ability to make outside shooting points." She hopes for more wins as the season progresses and says the team is much more capable than its 3-6 record indicates. Previous games were close and WPI must learn to work as a team under pressure.

The next home game is Tuesday, February 5 in Harrington Auditorium at 7:00 p.m.

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WHAT'S HAPPENING

Tuesday, February 5

Cinematech presents "Emperor Jones", Kinnicutt Hall 7:30 p.m.
 Womens Basketball vs. Wheaton, Harrington Aud., 7 p.m.
 IFC Blood Drive, Alden Hall 10 a.m. to 4 p.m.
 Perspectives in Mechanical Engineering presents Dr. Irwin Berman on Structural Design Standards for Solar Power Components, HL109, 4 p.m.
 Department of Physics film, Olin 107, 12 noon to 7 p.m.

Wednesday, February 6

Pub Feature Artist Spotlights "The Beatles" 8:30 p.m.
 Remember the Blizzard Happy Hour 8-10 p.m.
 IFC Blood Drive, Alden Hall, 10 a.m. to 4 p.m.

Thursday, February 7

Swimming vs. Trinity, Alumni, 7:30 p.m.
 IFC Blood Drive, Alden Hall, 10 a.m. to 4 p.m.
 Coffeehouse featuring Peter Kairo, Wedge, 9 p.m.

Friday, February 8

Basketball vs. Coast Guard, Harrington 8 p.m.

Saturday, February 9

Swimming vs. Keene State Alumni, 2:00 p.m.
 Square Dance for Arthritis Foundation by Phi Kappa, Theta, Alden Hall 9 p.m. - 1 a.m. adm. \$2. per person/\$3 per couple.

Sunday, February 10

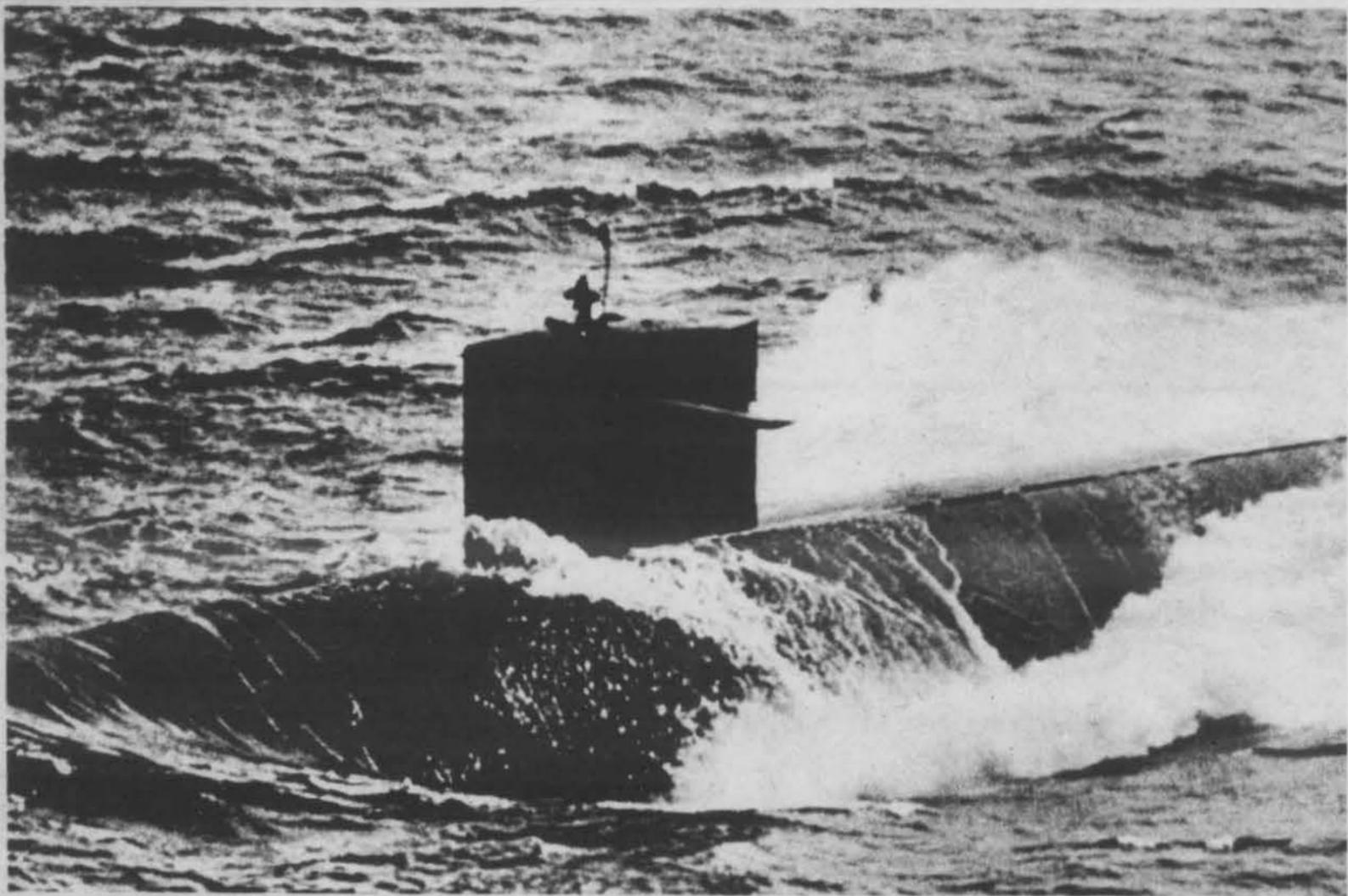
Lens and Lights presents "An Unmarried Woman", Alden Hall, 6:30 and 9:30 p.m.

Monday, February 11

Chemical Engineering Colloquium, "Energy and the Environment" Dr. John A. Bewick, Goddard 217/227, 11 a.m.
 Math Colloquium, "Mathematical Models in Vision Theory", Prof. Mayer Humi, Stratton 202, 4 p.m.
 JV Basketball vs. Assumption, Harrington, 7 p.m.

Tuesday, February 12

Cinematech presents "Black History: Lost Stolen or Strayed", "This is the Home of Mrs. Levant Graham". "Paul Laurence Durbar". Kinnicutt Hall, 7:30 p.m.



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