

"Faculty Pen" on Competency Exam

Lance Schachterle, Van Blumel
 Next spring marks the fifth year since Two Towers IV, the study which contains the basic ideas and goals of the WPI PLAN, was adopted by the faculty. One sign of progress in implementing the PLAN is the fact that this fall, more WPI students are pursuing their degrees under the PLAN than under the traditional program. As the words of Two Towers IV became everyday academic policy, the whole WPI community — students, faculty, and administration — must ask if the "spirit of the PLAN" is becoming a genuine reality. To what extent has the PLAN been successfully im-

plemented? To what extent has its spirit been altered in the process of creating a daily academic routine out of the pages of Two Towers IV? The WPI Committee on Academic Policy is setting as its major goal this year a report on the implementation of the academic

The Committee on Academic Policy is sponsoring an open meeting on the implementation of the WPI PLAN degree requirements on November 7 at 4:00 p.m. in the Pub Lounge. The topic for this meeting will be the Competency Exam.

policy of Two Towers IV. (The CAP consists of Professors Schachterle, Blumel, Miller, Bourgault, Kranich and Staples; Dean Bolz and Mr. Brandon; and Ann Madara and Greg Cipriano.) The CAP wants to assess student and faculty opinion about the implementation of the PLAN, as the fifth anniversary of its adoption approaches. One of the Committee's methods for gathering and stimulating such opinion is to sponsor open CAP meetings on the four degree requirements. These meetings should probe the meaning of the degree requirements, and stimulate an exchange of ideas about their educational merit as they are

being implemented. Input from these meetings will lead to CAP faculty motions concerning academic policy.

The first subject for an open meeting is the Competency exam. This meeting is scheduled for 7 November, at 4:00 p.m. in the Pub Lounge. All members of the WPI community are invited to participate.

The Competency exam is the first requirement to be considered because to many the philosophy behind it is central to the PLAN. Traditional college degree requirements are based on the accumulation of course credits and grades, rather than directly on what those courses and grades are presumed to reflect — knowledge. The writers of the PLAN believed that WPI should award its degree on the basis of a student's readiness to enter a professional field. Course and grade accumulations correlate only moderately with the degree of probable success in the professional world; as in high school the student with high averages is not always the one who succeeds in the outside world. Any one who has been to school knows the high grades in the "right" courses may represent success in taking exams, not in applying knowledge. Since the professions of engineering and science change rapidly, success in "booklearning" doesn't always help in the long term; only successful application of knowledge to new problems counts.

With the theory in mind that learning should be measured as realistically as possible in terms of practical application, the PLAN writers decided to make the passing of an examination of professional competence one of the four PLAN requirements. The Competency exam aims to test the student's knowledge of the basic principles of his or her field by asking the student to apply those principles to an unfamiliar problem. Primarily the exam should test not what the student already knows (or has crammed for), but what he or she can accomplish with his knowledge in a situation with which he isn't

already familiar. In courses and projects a student acquires the necessary academic background to prepare for the exam, but the Competency is not intended to be a "Superfinal" in the sense that it should not review earlier course material. A professional engineer or scientist doesn't take exams; he solves new and often unfamiliar problems. Therefore a student's potential as an engineer or scientist should be measured realistically in terms of the kinds of work he'll do professionally — not in terms of the kind of academic work which will be behind him when he's on the job.

Solving problems requires not only the necessary intellectual discipline but also an ability to communicate the answers convincingly. The Competency is thus designed to give students enough time and appropriate resources to complete solutions in a way which anticipates future work. The oral part of the exam is viewed by most faculty as an important opportunity for a student to speak rather informally about what he has already done in his written part. Along with oral team presentations of qualifying reports, the Competency oral is an attempt to ground WPI's degree requirements upon a realistic sizing up of future professional life. At one time or another, every scientist or engineer has to "sell" his ideas to his peers, bosses, or potential buyers. Everyone knows that an oral is likely to make the student nervous; most exam committees have tried to reduce this nervousness. But to the extent to which professional presentations always put the speaker on the spot, the oral cannot be made totally without tension.

No one claims that the success of implementing the educational theory behind the Competency has uniformly been successful. Some confusion still exists concerning the difference between "competency" and "comprehensive." The original PLAN writers called the exam they had in mind "comprehensive" — a word choice some of them now regret because of its suggestion of "super-final."

(Cont. P.2, Co. 1)



NEWSPEAK

Tuesday, Nov. 5, 1974 Vol. 2, No. 17

Marathon Basketball

The Marathon Basketball game Harrington will provide you with chance to play the Boston Playboy Bunnies in basketball, at 7:30 this Saturday. Every year the IFC Council sponsors a marathon basketball game in order to raise funds for the United Way. There will be smaller events going on at the same time including a pie throwing and a beard contest (judged by the Boston Bunnies). The main event is the basketball game which will run from 6 p.m. Friday to 9 p.m. Saturday with a three hour break at 1 p.m. for the football game. The basketball game will be divided into smaller events which, include the IFC residents playing the Bay State Wheelers at 8 p.m. Friday; At 7:30 Saturday you can play the Boston Bunnies for a quarter. The admission for the whole basketball

game is 50 cents and the ticket is good for the big drawing at the end. You may buy as many of the tickets as you want, thus increasing your chances to win the big prize. There will be 10 cent tickets on sale for the smaller half-hour drawings.

The spirit of good will and co-operation comes out during this event. For instance FIJI is taking Friday off and decorating a tractor. They will then leave the house at 11:30 in the morning and drive around Worcester drumming up support for the game. They also will have people on the corners of the main streets of Worcester handing out leaflets and asking people to come to the game.

This is an event which everyone should support. It only costs 50 cents and even I can afford that. So I am sure that you can too.

Bid for a slave or a full course dinner at the auction, buy a chance to play against the Playboy Bunnies, throw a pie at your favorite faculty member, enter half hour drawings for prizes - all at the Marathon Basketball game, 6 pm Fri. to 9 pm Sat., Nov. 8 & 9.

For anyone who intends to use the Pub for meetings, please contact Dean Trask in Student Affairs well in advance.

THIS WEEK:

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- Bioethics Week at WPI..... p. 1
- Evaluation of Competency..... p. 4
- Jerry Garcia Concert..... p. 5
- New Faculty..... p. 6

Bioethics Week will be observed at Worcester Polytechnic Institute with daily programs from Monday to Friday, Nov. 4 to 8.

MONDAY, NOV. 4

Why Bioethics?

4:00 p.m. IQP Center

A dialogue from the viewpoints of a biologist and an ethicist.

Betty B. Hoskins, Ph.D., Assistant Professor of Life Sciences, WPI. Thomas A. Shannon, Ph.D., Assistant Professor of Religious Studies and History, WPI.

TUESDAY, NOV. 5

The Value Component in Decision — Making: Some Exercises

4:00 p.m. IQP Center

Sensing the values important to the author of an article — or to any individual — is not easy. Students doing interactive projects in Bioethics will participate in some exercises in decision making. This session is open to others interested as well.

Robert L.H. Miller, S.T.D., Associate Professor of Religion, Tufts University.

Focusing on Value Patterns:

A Component in Understanding Human Behavior 7:30 Seminar Room, Gordon Library

Human behavior is based partly on the value patterns a person holds. The ways these relate to actions and religion will be discussed. Results of a survey of values ranking by WPI faculty can be compared to those of other academic groups.

Robert L.H. Miller, S.T.D., Associate Professor of Religion, Tufts University. Respondent: Ray E. Bolz, D. Eng., Vice President and Dean of Faculty, WPI.

A discussion session for students interested in beginning a project in Bioethics will be held Thursday, November 14, at 4:00 p.m. in the IQP Center.

WEDNESDAY, NOV. 6

Student Presentations

4:00 p.m. IQP Center

Students who have completed work on interactive

projects in Bioethics will report on their results. Topics include behavior modification, Bio-electrical stimulation, abortion, and the development of a decision system for transplant allocation.

Films on Bioethics

7:30 p.m. IQP Center

A discussion period will follow. These films and others will also be shown throughout the week on WPI's closed circuit television network.

THURSDAY, NOV. 7

Dialog on Social and Ethical Issues

4:00 p.m. IQP Center

Bioethics project students will discuss their work with Dr. William M. Hexter.

Human Genetics and Societal Problems

7:30 p.m. Seminar Room, Gordon Library

The effects and implications of technology, biochemical disease management, nucleic acid modification, etc. of the human condition will be discussed. Topics to be touched on include the ethics of genetic engineering, the concept of the sanctity of life and the responsibility of scientists for the social implications of their discoveries.

William M. Hexter, Ph.D., Professor Biology, Amherst College. Respondent: James F. Danielli, Ph.D., Professor and Department Head, Life Sciences, WPI.

FRIDAY, NOV. 8

Intersection of Technology, Society and Values: A Summary and Projection

4:00 p.m. Seminar Room, Gordon Library

Opening remarks by a faculty panel will be followed by small group discussions with panel members as facilitators. Panel: John M. Boyd, Ph.D., Professor Mechanical Engineering; Betty B. Hoskins, Ph.D., Asst. Professor of Life Sciences; E. Malcolm Parkinson, Ph.D., Asst. Professor of Humanities; Thomas A. Shannon, Ph.D., Assoc. Professor of Religious Studies and History; Stephen J. Weininger, Ph.D., Assoc. Professor Chemistry.

Bioethics Week

Letters:

Dear Sirs:

In the past few years some surprising things have happened in this country and the world. Prices on many necessities have doubled, gasoline is an average of 50 per cent higher than it was a year ago, major banks have collapsed and countries are on the verge of bankruptcy. There has been an increase in crime and violence and dishonesty in government has been brought out into the open. The use of hard drugs is on the upswing and blatant racial hatred has now spread to the North. Now more than ever we are being directly confronted with the total weight of our past actions.

It is our duty and responsibility to live gracefully and sanely through this period of turmoil. We have to change the consciousness of America so that Truth and Righteousness will prevail. In order to do this we first have to change our own consciousness. The "easy come, easy go" attitude of the late sixties and early seventies won't work any more. Time is too hard upon us to live like that. We have to act now.

There are many different groups that advocate means of attaining a higher consciousness. It is a real task distinguishing between the fakes and the genuine. Integral Yoga (Swami Satchidananda), Sufism (Pir Vilayat Khan), Ananda Marga Yoga, Erhard Seminar Training, Transcendental

Meditation and Zen are all safe and viable methods of raising your consciousness. However if you really want to get results quickly, Kundalini Yoga, as taught by Yogi Bhajan, will provide them. Kundalini Yoga is the express train.

Traditionally, in India, Kundalini Yoga is not taught until a rigorous program of other styles of yoga has been completed. This literally takes years. When Yogi Bhajan came to America in 1969 he realized that people couldn't wait years. The situation was heavy and would get even heavier. Americans needed something and they needed it quickly. So, defying a three thousand year old tradition, he began teaching Kundalini Yoga. Basically Kundalini Yoga, the Yoga of Awareness, is a practical method of developing the physical body, strengthening the powers of the mind and awakening the highest consciousness that man can realize. It is not a religion. It is designed solely to expand your consciousness to a degree where you can deal with all problems, hassles and conflicts calmly and sanely.

Classes in Worcester are offered every night except Sunday at 7:00 p.m. at the Guru Ram Das Ashram of Kundalini Yoga at 36 Gates St. (near Clark). There is no charge but donations are accepted. For more information please call 754-0214.

Faculty Pen

Cont. from Page 1

The Competency was to be forward-looking, confronting the student with the kind of problems his profession would require him to solve. Though the change of the exam's name from "Comprehensive" to "Competency" implies no change in the original PLAN philosophy, some students and faculty believe that measuring the comprehensiveness of the student's background of basic information is just as important as testing his or her ability to apply that information creatively to new problems. Some departments are evolving Competency exams with a "comprehensive" component. This evolution of Two Towers IV raises some questions about the need (if any) to strive for a uniform implementation of the PLAN in all departments across campus.

This divergence between "Competency" and "Comprehensive" raises a second question: what is competence to enter a given profession? The original planners, and the two committees who reviewed implementation of the competency (1971, 1974), recommended that each department should define "competency" for its own students and advisers. Such a definition would be written presumably in terms of the level of expertise needed to join a profession (ability to solve certain basic problems encountered in professional work), rather than in terms of courses taken and grades won. Yet many students believe that not enough information on the Competency is available — though all departments do have sample questions and answers for student inspection.

No examination is perfect in terms of accurately reflecting future success. But the Competency, along with the other WPI degree requirements, is one method of giving the student and WPI a more realistic assessment of student ability than the traditional course counting and

CQPA. Industry is making clear its dissatisfaction with traditional course accumulation as a measure to competence: traditional engineers who excel in examining often take too much time to adjust to the needs of realistic working knowledge. (Thus industry reported at a recent professional meeting that it is hiring more graduates of technical schools for engineering posts, because the technicians — even though they may not have the "right" courses — can learn quickly and adjust readily to the demands of applying what they do know.)

From the report on the Competencies last spring (made by Professors Bourguault, Keil, and Majmudar) the "horror stories" about the exam were largely exaggerated. Some snafus in distribution and format have been resolved; that almost 80 students who took the exam between Terms A and B are the beneficiaries of our correcting our earlier mistakes. Probably the most important observation about the PLAN after four years is that its implementation is still in flux. Student and faculty DO have a chance to make their opinions felt in the on-going process of making Two Towers IV a reality. It is the responsibility of all members of the WPI community to understand fully what the PLAN is about, hot it is being put into effect, and what the philosophy of education behind it means. If the PLAN is to succeed, students and faculty must take seriously their responsibility to make it work. No one else will.

At its open meetings the CAP hopes to capture the atmosphere of free and "unrehearsed" discussion which prevailed in the planning days last

Dear Sirs:

I was impressed with John Ronna's review of Todd Rundgren. I had never realized that tastelessness exists in such gross proportions on the Tech campus. In simple language, Todd Rundgren is a loser. I couldn't possibly conceive of subjecting any young lady to hours of torture at the hands of that over-amplified noise organizer....and over amplified he was. His contract stipulated that WPI supplied a 9000 amp power amplifier at a rental cost of \$3,000.00 to WPI. Of course, Rundgren settled for a mere 600 amps. How can the SAB possibly allow such extravagance in view of the fact that the social committee consistently loses money at these fiascos. Homecoming is slated as a "big" weekend on our campus. It seems, however, that I have misconstrued "big" to mean highly pleasurable, when in reality the only big things about homecoming weekend are big noise, big financial loss and big disappointment. It would be nice to

Gentlemen:

To clarify a misunderstanding I would like to take this time to inform you that the discount of \$3.00 offered to Tech students is the policy of this shop and will continue to be indefinitely. Some of the students thought it was a one time thing. It is an all time thing! Come on you guys — let's get your hair styled!

Respectfully,
Dolores M —
Pres. Mens' World of Hairstyling

To the Editor,

Any student who has ideas or gripes concerning any aspect of the curriculum at WPI should contact me so that I can represent your views to the faculty committee on the curriculum. Students have a say in school policy, through student representatives on the faculty committees, only if they

leave the noise on the football field and then be able to relax with some friends at a social event of some sort instead of the current marathon listening dud that we have been directed to endure. I find it quite impossible to become acquainted with a young lady when it is impossible to hear her tender shouts even after the "music" has subsided. Until some sort of changes are effected, I will certainly avoid the mutilation of my eardrums at another social committee blunder.

Of course, it may be that my tastes are the perverted ones — after all, it was the students who chose the leaders of the social committee. Perhaps I have overlooked the possibility that Tech students are merely a collection of sadomasochists. Let's put an end to this conditioned following and become choosers instead. Drop a note to our social committee and let them know that your ears are more valuable to you than the social committee seems to believe.

Gregory M. Doyle

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See your instructor

about requirements

to fulfill audits.

spring. Everyone concerned about the Competency is urged to attend the meeting on 7 November. A list of possible questions about the philosophy of the Competency is appended below. Please read and consider your own opinions about these questions.

1. After passing all my courses, why should I have to take another exam?
2. What does the Competency exam try to test?
3. How can I prepare for it?
4. When should I schedule my competency relative to the MQP and IQP&

5. Is a Competency exam different from a "Comprehensive" exam?

6. How does the Competency test "First principles"?

7. Why do I need to take an oral after the written part?

Remember that this and succeeding CAP meetings are not only for exchanges of opinion. The Committee will use your input as a basis for future recommendations for policy at your school — affecting your degree.

WPI NEWSPEAK

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Placement Announcements

Graduate assistantships and scholarships in Communication and Technical Writing are offered to qualified students by Rensselaer Polytechnic Institute in Troy, New York. Each assistantship provides a tuition grant of 12 credit hours per semester and a stipend ranging between \$2400 and \$3000. Graduate assistants in the programs are assigned to teaching or to research projects related to teaching.

The Communication and Technical Writing program leads to a Master of Science degree. Students receive preparation for careers in industry, government, and the technical press, or for continuing graduate study in communication.

The Ph.D. degree in Communication and Rhetoric combines practical and theoretical studies in communication for the development of communication specialists in various areas and the preparation of college teachers in the interrelated disciplines of communication theory, literature, and composition.

Inquiries about the program should be directed to the Chairman, Dr. Robert W. Elmer, Department of Language, Literature, and Communication, Rensselaer Polytechnic Institute, Troy, New York 21181.

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Interview appointments may be scheduled with the Office of Graduate and Career Plans, Boynton 308.

New Honor Frat.

Dr. Barry Buteman from Texas A&M University was on campus recently to formally establish the Massachusetts Alpha Chapter of Upsilon Pi Epsilon, National computer science Honor Fraternity.

Upsilon Pi Epsilon (UPE) is a relatively new organization, founded in 1967. It now has chapters at 23 schools throughout the country; Texas A&M, Penn. State, North Carolina State, Virginia Polytechnic Institute and UCLA. UPE has the endorsement and encouragement of the Association for Computing Machinery. Chapters are limited to those schools offering an approved course of study leading to a Bachelor's Degree in Computer Science. Individual members are chosen on the basis of outstanding academic achievement and promise of contribution to the profession.

Chapter members are the following:

Faculty: Sondak, Mormon E.; Alpert, Stephen R.; Hardell, Mary M.; Lipner, Leonard D.; Perry, James M.; Scott, Ramon C.; and Sistare, John H.

Graduates: Hodgson, Robert H.; Mah, Tin W. and McCarthy, Kathleen F.

Graduate Students: Perkins, Edward G.; Pritchard, Charles W. and Soetens, Joseph A.

Undergraduates: Dachowski, Richard P.; Gabranski, John F.; Myslinski, Theodore A.; Pennington, Elizabeth R.; Rehn, Norman D. and Sperber, Joseph E.

Boyscouts of America

Mr. Roger N. Perry
Director of Public Relations
Worcester Polytechnic Institute
Worcester, Massachusetts 01609

Dear Roger:

I want to compliment you and WPI for having two such outstanding students as Explorers John Bourassa and Phil Suomo participate in the recent National Exploring-Lincoln-Mercury Safe-Driving Road Rally. Both young men are great competitors and champions.

I was just marvelous meeting the youngsters out there in Dearborn. And, were they surprised when I congratulated them in winning first-place (\$2,000 scholarship each). John was elated: "I just can't believe it...I just can't believe it."

This particular 3-day event is held annually and has put the BSA's Exploring program on the map. Exploring is one of Scouting's most successful endeavors...

Sincerely yours,
Owen T. Wilkerson
National News Executive
Public Relations Division

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Application deadline — January 30, 1975.

Additional information available at Graduate and Career Plans Office.

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Application deadline — February 1, 1975.

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News From Washington

(Washington D.C. Oct. 6) Seven weeks goes by fast. For those hurrying in courses at this time, that's an understatement. But believe it or not, seven weeks in Washington seems to go by even faster than it does in Worcester. So just as you'll be filling out those yellow sheets to evaluate your courses in a few days, the Washington Project Center's first term of operation got its first student evaluation on Friday October 4. Dean Ray Bolz, Joe Mielski and Professor Staples (who will be the advisor in residence for term B74) were at the Project Center here in Washington last Friday to get student feedback on the successes and failures of the Center and to listen to suggestions for improvement. (Incidentally Dr. Lutz, Director of the center and Prof. Demetry, advisor for Term A74 were noticeably absent from the meeting presumably to promote free criticism of their performance.)

Criticism of the academic aspects of the Project Center was heaviest in two main areas. The first area of concern to the students was that they were not in contact with the faculty advisor often enough. The problem seemed to arise from the fact that the faculty residence is quite a distance removed from the student residence in Washington and also the fact that Prof. Demetry's

responsibilities and time were shared between administering and advising. The students stressed the need for a full-time advisor, whose responsibilities would only involve advising the projects currently in progress. Much more involvement, on an informal basis, on the part of the advisor was strongly suggested.

The second concern was the lack, often times, of a definite student objective. It seems that most project proposals were drastically altered when the project work was begun and the ability to quickly redefine goals and agree upon them was lacking. Often, students said, they found themselves with three possible courses of action: Please the agency they were working for; please the advisors who were grading them; please themselves. Better communication and correlation of goals among the three separate factions came out as a necessity for efficient work in projects.

After these two basic areas of concern were brought out, the conversation turned to social and practical problems of life in Washington. Topics discussed,

were mostly personal experiences ranging from the transition in life styles to silly dribble about Project Center T-shirts. Good points and bad points of the project center were discussed, probable more good than bad and the overall consensus was that coming to Washington provided an interesting experience which the students here will be talking about for quite awhile.

COMMENTARY

If a project is in your future, give ample consideration to the Washington Project Center. But don't just sign up and hope for the best. You have an advantage that we, the students of A74, didn't have. You can find out what it's really like here by talking to the people who have been there. Before you decide, talk to someone who has done it. But don't just talk to one, talk to a few and get the whole story — then decide if it's right for you. If it is, it can be one fantastic experience but if it's not, it can be a long seven weeks. (Bernie Dodge in the IQP Center can direct you to the people to talk to.)

Ray Cibulskis

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Imported Ham & Cheese	1.05	1.25	Steak & Peppers	1.25	1.50
Cooked Salami & Provolone	.90	1.10	Steak & Onions	1.25	1.50
Liverwurst	.90	1.10	Steak & Cheese	1.25	1.50
Capocola	.95	1.15	Steak Onions - Peppers	1.25	1.50
Capocola & Provolone	1.05	1.25	Steak Onions - Peppers & Mushrooms	1.35	1.60
Genoa Salami	.95	1.15	Steak & Mushroom	1.35	1.60
Genoa & Provolone	.99	1.25	Roast Beef	1.25	1.45
Genoa & Imported Ham	.99	1.25	Pastrami	1.25	1.45
Genoa - Ham - Provolone	1.10	1.30	Sliced Turkey		
Italian Cold Cuts w/Boiled Ham	1.15	1.35	White Meat	1.15	1.35
Tuna Salad	1.15	1.35	Turkey - Ham - Cheese	1.25	1.45
Egg Salad	.85	.99	Hamburg	.99	1.20
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Ad Hoc Competency Examination Evaluation Committee

WHAT WE DID

Our work is an attempt to evaluate the situation with regard to the Competency Examination. We have considered as many aspects as we could think of and drew up two lists of questions — one for students and one for department heads — which were used in interviews.

Twenty-three students, including three who had failed at least once, and twelve "department heads" were questioned in interviews lasting an average of about forty to forty-five minutes.

WHAT WE FOUND OUT

Students generally considered the Competency Examination a good experience. Most felt it was a valid measure of their competence, but some did not. This latter observation mostly came from those who passed but felt they really were more competent than the examination revealed.

Consensus seemed to indicate that students expected and got fairly broad problems in their "areas". Some showed that they were disappointed in not finding precisely the type of problem they thought they might get. This area of the unknown — the strange — the new — something for which they could not "prepare" in the usual "cramming" sense, made them very nervous.

Yet, most felt their examinations were fair in content and grading, both written and oral. Notable exceptions to the fairness of the oral portion have already resulted in remedial action on the part of those

concerned. Students further felt that their time at WPI adequately prepared them for the Competency Examination. However, where inadequacies were uncovered, they attributed these to "courses" not taken. Few indicated that projects had been of any help during the examination. In general, though, most had left major portions of projects until after the Competency Examination.

When asked how they thought other students felt about the Competency Examination, it became apparent that "stories" were "going around". The horrors of the tales contrasted with what each said he or she felt personally. The most awesome part, the oral, seems to have actually been conducted in friendly, informal sessions where questions centered on the written examination. "Nervous" and "terrified" were used in description of their states before the oral — yet most felt "good" and rewarded by the experience. (Exceptions here have already received considerable attention.) Some departments, in some cases, omitted the oral portion of the examination.

Time allotments, usually 2 to 2½ days, were considered satisfactory. Some students would have done more, with more time.

OBSERVATIONS AND RECOMMENDATIONS.

1. The situation is not "out of hand."
2. Tensions exist and will continue to exist.

Apprehension cannot be reduced to zero. However, we can alleviate the feeling of an adversary relationship, especially in the oral portion. "Inquisition", "formal", "animosity" should not pertain to this examination.

3. "Courses" are not designed to help the broad approach, the "big picture", but they could be. Projects should come earlier in the student's career. Major Qualifying Projects should be germane to a student's major area and ought to be "helpful" in the Competency Examination. Interactive Projects ought to help with the "big picture" approach. Department of interdisciplinary seminars on broad problems could foster broader thinking.

4. There seems to be some uncertainty across the campus, as to what is to be measured in judging competency in a given "area". Each discipline department or group must articulate and define what it means by "competency" in a specialty area. A written document, available both to examiners and to students, should be the result.

5. Department Competency Examination "policy" committees should re-read the guidelines submitted to the Faculty on June 2, 1971 (Report: May 21, 1971) by Dean Grogan. These guidelines appear to remain valid.

6. Further evaluation and more specific recommendations will be made by this committee. Meanwhile, the Faculty will soon become aware of a campus-wide discussion on Competency Examinations being considered by the Committee on Academic Policy — Now scheduled for Nov. 7, 1974 at 4:00 p.m. in the Pub Lounge.

H. Majmudar
T. H. Keil
R. F. Bourgault

NUCLEAR POWER PRESENTATION

Higgins Lab

Room 101

November 12, 1974 4:00 (p.m.)

Speaker Lt. Bruce Freeman, USN

Nuclear Power Officer

USS Hammerhead (SSN 663)

DISCUSSION: The Junior Officers role in
Navy Nuclear Power Safety

Juniors/Seniors Need Financial Aid?

If you qualify you could earn over \$500 per month during your senior year with guaranteed Nuclear Power Training. Be a Commissioned Officer and work in the Nuclear field. Starting salary over \$11,000 per year with rapid advancement to over \$18,000 per year. Excellent fringe benefits, and continuing education.

Requirements: One year of college physics, math through integral calculus.

In keeping with our All Voluntary Force Concept you incur no obligation.

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Phone _____
Grad Date _____
Major _____

SEND TO
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NAVY INFORMATION TEAM
111 Washington Avenue
Albany, New York 12210
or call — collect
518-472-4424

See your NAVY INFORMATION TEAM on campus.
Nov. 12, 13 at Placement Office.

WHAT'S UP?

November

4-10 WPIC-TV. "Millhouse," a political and social commentary, 10 a.m., noon, 3 p.m. and 7 p.m.

Tue. 5 REGISTRATION, Alden Auditorium, 9 a.m. to 4 p.m.

ALUMNI TOUR GROUP to Rio de Janeiro, meet at Harrington Lobby, 7 p.m.

CINEMATECH, Chaplin Classics, "City Lights", Alden Aud., 7:30 p.m.

Wed. 6 FACULTY & ALUMNI WIVES, Potluck Supper, for Freshman and Sophomore women students, Higgins House, 6 p.m.

Fri. 8 + IFC MARATHON BASKETBALL GAME, for United Appeal, Harrington Auditorium, 6 p.m.

Sat. 9 PARENTS DAY: —Registration, Morgan Hall Wedge, 9 a.m. —Morning Program, Alden Memorial Auditorium, 10 a.m. — Faculty Advisors meet with parents, 11:30-12:30 p.m. — Tailgate Picnic, quadrangle, 12:15-1:30 p.m. — Football Game with Norwich, Alumni Field, 1:30 p.m.

PROFESSIONAL ENGINEERS EXAM, Higgins Lab, all rooms, all day.

CONSORTIUM FALL FLING, for faculty and staff of area colleges, Worcester State College Lounge, 8 p.m.

Mon. 11 +CHEMICAL ENGINEERING COLLOQUIUM, Dr. Anthony T. DiBenedetto, "Fatigue and Failure of Fiber Reinforced Composites," Goddard Hall (room 218 or 227), 4:15 p.m. Coffee at 4 p.m.

WES COUNCIL MEETING, Atwater Kent, 7:30 p.m.

Tue. 12 WPI BUSINESS WOMEN'S CLUB, speaker from Worcester Art Museum, Janet Earle Room, Noon. Bring your own lunch; coffee and punch available.

12-14 +TRI-COLLEGE FINE ARTS Residency (Clark, Holy Cross, WPI), Classes, Workshops, Lectures and Concerts by the Camerata Trio. For further information, call Student Affairs, ext. 201.

Tue. 12 +INFORMAL CONCERT by the Camerata Trio, Little Commons, Clark U., 8 p.m.

Don't
forget
Parent's Day,
Sat., Nov. 9

A Statement on Campus Community Life

At WPI is being challenged the Plan — as the main topic of campus humor; this was clearly evidenced in the recent Limerick contest. The Student Life Committee is interested in decreasing the popularity of the plan as the get of humorous, and bitter remarks.

In 1970 the Planning Committee issued its final report to the faculty, "Future of Two Towers, Part I: A Plan, discussed (pp. 42ff.)" the coordination of the college community life with the academic life of the plan. In the thinking of the committee, the student entering WPI has weakened his or her ties with the family and it is in the community of faculty, staff, and compatriots at WPI that "he or she" will, or will not, discover the (or she) is and what he (or she) can become." The committee has accepted student criticism of the faculty, staff, and alumni in subtle ways been affecting our students as human beings" and "have not, in general, allowed the undergraduates to get to know us as human beings." The report recognized the difficulties

imposed upon students who are asked to be adult in their behavior, yet have little experience of adult community because they are largely excluded from the non-student adult community on campus. The central conclusion of this section of the report seemed to be that "we should all begin to recognize that our students miss our presence in the campus life outside the classroom. It would appear that both generations are the less rich because of the divorce."

Many changes have occurred since that 1970 report. Changes in advising structures and deeper commitments by advisors have altered somewhat the relationship of students and faculty; in intercession students and faculty interact on a basis quite different from that of term courses. In the Pub, on athletic fields and courts, and in lounges, human beings sometimes meet on terms other than faculty-student, and some faculty are known to have had students into their homes at times. Yet the student Life Committee has a vague, unsubstantiated, but real feeling that a sense of community and pride in that community, do not exist. However, this committee tends to attract individuals, both student and non-student, who are interested in the

overall quality of life at WPI, whose perception may be vastly different from that of the majority. Students may, in fact, be content with the existing quality of community life and may feel that any further intrusion into their time and privacy is unwarranted. But we simply do not know.

This committee seems inclined to the idea that the current quality of campus community life can and should be raised in terms of human interaction. Clearly social and athletic events are valid and valuable, but the committee inclines as well toward the intellectual and cultural dimensions of community. The 1970 report discussed above concluded that WPI "should become a leader in discovering the new forms of community which are needed to help good learning and worthwhile life flourish." Do students share that idea, or are they content with the current life-styles? Should we move to create the human context in which the Plan can become more meaningful, or simply think up new jokes about the Plan? We await student advice. If you have any, contact: Professor Olson (Math); Professor Hardell (CS); Professor King (PE); Professor Dunn (HI); Lindsay Joachim; Jerry Cirone; Paul Frederickson and Bob Medeiros.

Forty WPI Students to Work With Small Businesses

Forty Worcester Polytechnic Institute students will work for approximately eight weeks helping 18 Central New England small businesses solve their problems for the experience to be obtained by the students in industry. It is part of the college's new curriculum known as the WPI Plan.

First step in this unique opportunity for small companies starts Tuesday (Nov. 5) when the participating firms under coordination and sponsorship of the Small Business Administration for the remainder of the week at WPI outline their project needs on video tape before a live audience of students and faculty.

The problems are in the fields of engineering and research, financing, marketing, distribution, analysis and record keeping.

Among the participating companies are Control Design, Inc. of Newton, Denison Wire Cloth Co. of Southbridge, A-1 Sheet Metal Works, Inc. of Shrewsbury, Himco Sports, Inc. of Stowe, Engineering Services & Distributors, Inc. of Sterling Junction, Alpha Rho, Inc. of Fitchburg, Rawling Gear Works, Inc. of Shrewsbury, Chase Precast Corp. of North Brookfield, In-Line Technology, Inc. of Framingham, New England Instrument Co. of Natick, K. G. Engineering Corp. of Holliston, Auri-Nil Industries of Fitchburg, Specialty Polymers, Inc. of Leominster and Athboro Precision Engineering of Sturbridge.

Also, Cadillac Coatings, Inc. of 1 Keese St., R & D Design Corp. of 21

Homecoming Statistics for 1974-1975

HOMECOMING 1974-75 STATISTICS		
Released by WPI Social Committee		
FRIDAY, NOV. 11 — TODD RUNDGREN		
Ticket Sales:		
Students	1,585 at \$3.50	\$5,547.50
Non-students	635 at \$5.00	\$3,175.00
Paid attn. 2,220		
Total Income \$8,722.50		
Expenses		
Rental of Harrington	\$	803.88
Student Workers		541.50
Rent-A-Tool (generator)		1,445.00
Worcester Police		400.00
College Entertainment Asso.		700.00
Capron Lighting		350.00
WAAF (radio station)		200.00
Food Expenses		113.80
Tickets (printing)		65.00
Todd Rundgren		7,000.00
Lighting and Sound		1,250.00
Steinerts (piano)		175.00 (est.)
Total Expenses 13,044.18		
Friday Deficit \$4,321.68		
SATURDAY, NOV. 12 — THE SHITTONS		
Ticket Sales		
Students	471 at \$3.00	\$1,413.00
Non-student	113 at \$4.00	452.00
Paid attn. 584		
Total Ticket Sales \$1,865.00		
Alumni Cont. 1,000.00		
Total Income 2,865.00		
Expenses		
Rental of Harrington	\$	666.44
Morgan Linen		56.40
Shittons		1,000.00
Lordly & Dame		100.00
Bigelow		1,250.00
Capron Lighting		125.00
Arthur Chair Rental		90.00
Lens and Lights		25.00
Total Expenses 3,312.84		
Saturday Deficit \$ 447.84		
Weekend Deficit \$4,769.52		

Tickets For Grateful Dead Party Now On Sale

On Friday November 15 in Alden Hall, the WPI Social Committee will present a Grateful Dead party, with Jerry Garcia, Merle Saunders and Friends of the Grateful Dead. There will be two shows, one at 7:00 p.m. and the other at 10:00 p.m. This promises to be a unique concert experience because of the intimate atmosphere created by Alden Hall.

Tickets will be on sale from Monday, November 4 to Wednesday, November 6 so as to afford WPI students a chance to purchase tickets before the public can. There are a limited number of seats so all students interested in seeing the concert should but their tickets during these three days.

Tickets will be five dollars apiece and there will be a limit of two tickets per student.

Tickets will be on sale from November 6 to November 15.

If you can find your name in our weekly ad, you win a **FREE ALBUM!** (and not a 99¢ special either)

If you don't, you can have our condolences. Either is available at your favorite HI-FI outlet, Ellsworth Seven, WPI, Worcester

Natural Sound
The stereo you want, at an affordable price.
755-1461

Worcester Polytechnic Institute
Chemistry Colloquium
PROFESSOR ALFRED VIOLA
Northeastern University
"The Participation of Acetylenic Bonds in Cyclic Six-Membered Transition States"
Wednesday, November 6, 4:00 p.m.
Room 227, Goddard Hall
Refreshments Will Be Served

Union St., and Briox Technologies of 65 Tainter St., all of Worcester.

When all the students have viewed the video tapes, they will select their preferred project and be assigned to work for the companies they select. They will then contact the company and prepare for an on-site visit.

The faculty advisor, the company, and the students will define the scope of the problem. The students will work toward solving the problem and prepare both a written and oral presentation for the company.

The projects will be completed from December 18 to 20 when each company will be invited back to WPI to participate in the student presentations.

Approximately in the middle of the project, the elected student team captains and the appropriate WPI faculty will visit the SBA in Boston. This exchange will be

valuable for guidance, as the students will be at the stage of selecting among alternate solutions. Company representatives may join the meeting with SBA in Boston, but it is not essential.

Overall coordinator of this novel interaction between WPI and industry will be Prof. Joseph R. Mancuso of the WPI department of management engineering. He will be assisted by Alfred Molinari, president of Data Translations of Framingham, visiting lecturer, and Nikito J. Baker of Norwich, Conn., management engineering junior, student assistant.

The projects are offered to students for course credits for graduation. Funds for out-of-pocket expenses for the projects, expected to range from \$100 to \$150 per project, will be made available by the college.

WPI SOCIAL COMMITTEE		
Harry Chapin Concert		
Income		
Student tickets	771 at \$3.50	\$2,718.50
Non-student tickets	64 at \$4.00	256.00
Total sales 835		
Total Income \$2,469.00		
Expenses		
Tickets (printing)	\$	42.00
Posters (printing)		80.00
WROC		182.00
Capron Lighting		225.00
Harry Chapin		5,000.00
College Entertainment Asso.		500.00
Sound		350.00
Harrington Rental		581.60
Food Expenses		50.00
Total Expenses 7,010.60		
Deficit \$4,541.60		

STUDENTS

BOOK PEOPLE has been re-organized as a non-profit community bookstore — the first of its kind in America. Let's hope it will be a precursor of many such. To begin with: there will be a 10 per cent discount on all purchases for EVERYONE. Accrued profits will be refunded to the community. We ask you to support it.

BOOK PEOPLE
552 Main Street
(Opp: Showcase Cinema)

SHOW TEL 799-2777
SHOWCASE CINEMAS 1234
DOWNTOWN WORCESTER

WILLIE AND CY ARE BUDDIES HAVING THE LAUGH OF THEIR LIVES PLAYING AMATEUR COPS. BUT IT'S NO LAUGHING MATTER!
CARROLL ERNEST O'CONNOR BORCHME
LAW AND DISORDER
NO MATINEES \$1.25
THRU FRI. 11:30

2:00-3:55-9:50
7:50 and 9:50

SHOW TEL 799-2777
SHOWCASE CINEMAS 1234
DOWNTOWN WORCESTER

BURT REYNOLDS "THE LONGEST YARD"
NO MATINEES \$1.25
THRU FRI. 11:30

2:30-4:45
7:35-9:50

"SOMETHING HE SAID... the crew is dead... help us please, please help us!"
AIRPORT 1975
No Econo. Mats.
NO MATINEES \$1.25
THRU FRI. 11:30

1:30-3:20-5:30
7:20 and 9:30

A woman with a profane love
PETER FINCH
NO MATINEES \$1.25
THRU FRI. 11:30

...for a man of God.
THE ABDICATION
PG
2:00-3:55-5:50
8:00 and 10:00

SHOW TEL 753-3040
NEMA 1 at WEISETZ SC.
GIFT CERTIFICATES ALWAYS AVAILABLE

LADIES & GENTLEMEN
Rolling Stones
Japan's Finest! Japan's Finest! Japan's Finest!
A Film Concert in New York
WROC
Sat.-Sun. — 1:30-3:30
5:35-7:30-9:45
WEEKDAYS — 2, 7:30, 9:40

NEW FACULTY



James W. Pavlik



Douglas T. Browne



Robert A. D'Andrea



Frederick L. Hart

Additions have been made to the faculty in six departments at Worcester Polytechnic Institute.

Vice President and Dean of Faculty Ray E. Bolz, who announced the appointments, said they were for expansion of several departments and replacements due to retirements and resignations.

Among the changes:

CHEMISTRY

James W. Pavlik, associate professor, is a graduate of Carthage College and received his master's degree at Virginia Polytechnic and State University. His Ph.D. is in organic chemistry from George Washington University. He has taught at Va. Poly; Geo. University; Premph College, Kumasi, Ghana; Haile Selassie I University, Addis Ababa, Ethiopia; and the University of Wisconsin-River Falls.

Douglas T. Browne, assistant professor, was graduated from Massachusetts Institute at Technology, and received his Ph.D. in organic chemistry from the University of Illinois. His post doctoral study was at Harvard University. He has been an assistant professor at the University of California, Berkeley.

CIVIL ENGINEERING

Robert A. D'Andrea, assistant professor, received his bachelor's and master's degrees from the University of Rhode Island. He has done post graduate work at Clarkson College of Technology and M.I.T., and is a Ph.D. candidate at Cornell. He has taught at Clarkson and Cornell.

Frederick L. Hart, assistant professor, has bachelor's and master's degrees from the University of Connecticut and is a doctoral candidate there. He has been a graduate student and lecturer.

Lewis Rossman, assistant professor, is a graduate of The City College of CUNY, and received his master of science and Ph.D. from the University of Illinois, where he has been a teaching and research assistant. He recently was named the first to fill the chair of the WPI Rothemich Riley Distinguished Instructorship.

COMPUTER SCIENCE

James M. Perry, assistant professor, was graduated from Holy Cross College, received a master of arts in mathematics at Indiana University and a master of science in Computer Science at WPI. He is a Ph.D. candidate at the University of Connecticut. He was a graduate associate at Indiana, a traveling scholar at the Univ. of Wisconsin and Chicago, and a graduate assistant and instructor at U.Conn.

Kathleen F. McCarthy, instructor, was graduated from Regis College and received her master's degree in computer science at WPI. She was a research assistant at Regis, a WPI graduate assistant, has lectured at Holy Cross and taught at Worcester Junior College.

ELECTRICAL ENGINEERING

Alexander Emanuel, assistant professor, attended Polytechnic Institute of Bucharest. He received bachelor, master and doctor of science degrees from the Technion, Israel Institute of Technology, where he was an assistant, instructor and lecturer. He has been more recently senior research and development engineer at High Voltage Power Corp., Westboro.

HUMANITIES

E. Malcolm Parkinson, assistant professor, was graduated from Queen's University of Belfast, Ireland, where he also received his Ph.D. in applied mathematics. He has a master's degree from Princeton University. He has been an assistant professor at Stevens Institute of Technology.

Patrick P. Dunn, assistant professor, is a graduate of Marquette University and received his master's degree and Ph.D. from Duke University. He has been an assistant professor at Duke and the University of Wisconsin at LaCrosse.

Judith B. Hodge, assistant professor, is a graduate of Mount Holyoke College and received her master's and Ph.D. degrees at the University of Pennsylvania where she has been a teaching fellow.

Eugene E. Kalish, instructor, is a graduate of Oberlin College and received a master's degree in psychology at the University of Pennsylvania. He has received a master's degree from the Yale Drama School and is a candidate for his doctorate there.

MATHEMATICS

Roger N. Belanger, instructor, was graduated from St. Francis College and received a master's degree from Clark University, where he is studying for a doctorate.

SOCIAL SCIENCE AND POLICY STUDIES

Peter Holl, visiting assistant professor, is a graduate of Woolwich Polytechnic and received a master's degree in economics from Sussex University. He has been a lecturer in econometrics at the City University of London.

Other changes previously announced:

James F. Danielli, professor and head of the Department of Life Sciences; Lt. Col. John F. McDonald, Jr., professor and head of department; Major Kenneth R. Silberstein, assistant professor; Capt. Adrian R. Wright, assistant professor, all of the Military Science Department; and Leonard Goodwin, professor and head of the Department of Social Science and Policy Studies.



Lewis Rossman



Kathleen F. McCarthy



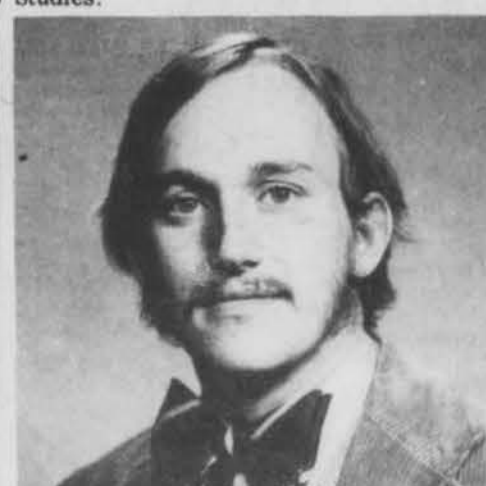
E. Malcolm Parkinson



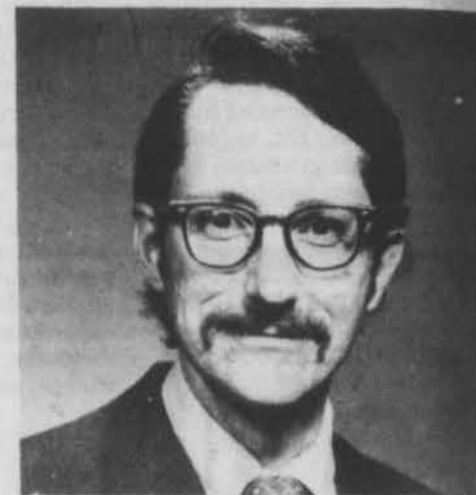
Judith B. Hodge



Eugene E. Kalish



Robert N. Belanger



James M. Perry



Alexander Emanuel



Patrick P. Dunn



Peter Holl

Maranatha

I'll Do It On My Own

"I'll do it on my own," is a pretty independent statement. We like to be able to get along on our own. It gives us a sense of pride and a sense of accomplishment to be able to look back and say; "look what I have accomplished." Many people go along with this philosophy even so far as to apply it to their spiritual lives. "I can even get to heaven on my own. All I have to do is live a good life, maybe even go to church."

This raises a question. Can I get to heaven by my own efforts? Man will say that this is a perfectly logical thing to do; "after all I don't go around killing people or robbing banks. I'm not so bad." The real issue is not whether it seems logical but rather what is God's method? We are to get to heaven it will only be by God's method. We can easily discover what God's method is by examining His Word, the Bible. The Bible says you must be good, but you are not good enough. "For all have sinned and fall short of the glory of God" (Romans 3:23). Good works are nice, but they cannot save anyone. The Bible states: "For by grace you have been saved through faith; and that not of yourselves, it is the gift of God; not as a result of works, that no one should boast." (Ephesians 2:8, 9)

We cannot be saved by works regardless of how good we are. The way to have eternal life is not found in what we do ourselves but by having righteousness imputed to us. We can receive this perfect righteousness because we believe that Jesus Christ took our sins on Himself, and paid for them on the cross and that He suffered death by His resurrection. "He was bruised for our transgressions, He was bruised for our iniquities; the chastisement of our peace was upon Him; and with His stripes we are healed. For His death made Him who knew no sin, to be sin for us; that we might be made the righteousness of God in Him" (Isaiah 53:5, 2 Corinthians 5:21).

There is a game boys play in Southern California called jump to Hawaii. They run off a pier and see who goes the farthest. One may even go twice as far as another, but compared to Hawaii, they all lose. It's the same way with heaven. Some people may be as good as someone else, but they won't get to heaven by being good. Jesus says don't jump! I've already built the bridge.

Jesus Christ is Himself that bridge. He said "I am the way, the truth and the life, and no one comes to the Father BUT BY ME." (John 14:6)

You can have eternal life right now. All you have to do is realize your sin, realize Christ has already paid the price, and accept Him today as Lord and Savior. He said "Behold I stand at the door (that's your heart) and knock: if any man hear my voice, and open the door, I will come into him, and dine with him, and he with Me" (Revelation 3:20).

Remember you can't work your way to heaven, but you can take the bridge, and it's free! The simple fact is Christ died for you demands a response. To put it another way, the same thing as saying no. You can't do it on your own, but you can do it God's way.

FOR SALE: SOME OF YOUR OLD MUSIC? So am I — call or write Rob, SC 303, 753-9777, Box 895.

ATTENTION TO THE mystery flute player on the football field. Your musical endeavors have appreciatively affected the nerves of one hassled Techie. Thank you very much a DB.

FOR SALE: I must sell my two (2) stereo receivers in less than one month. Sherwood S-7900 A with 120 channels for \$275. (List \$480) and KLH 54-4 channel 120 channel receiver for \$300 (List \$525). The first \$35 takes \$25. Koss 2+2 headphones. Daniels 426 on box 1968.

FOR SALE: Snorkel Jacket — Deep Blue, Medium, orange lining with white fur. Five Dollar reward offered. Contact either Louis Schauer at Daniels 415 or drop a note at box 1712.

FOR SALE: Available throughout the year. Note my name and number on the deed. Telephone when you need it. The Need! Rose Feinzeig 754-

FOR SALE: BEST audio equipment at the lowest prices can be found only at Sound, Willsworth Seven. In tonight and rap!!!

SCUBA DIVERS

Diving Club is making a list of on-campus divers. If you wish to be included, leave your name, address, telephone number, and information on your car in Box 524.

Something nourishing for you to eat

the garden of delights

113c highland st. 752-7048



City Lights



CINEMATECH PREVIEW: CITY LIGHTS

by Rober Fried

When City Lights was released in 1931, silent films were considered a thing of the past. City Lights, however, proved to be Charlie Chaplin's finest achievement. Chaplin used music and sound effects to take the place of words.

Rose Pelswick of the New York Evening Journal said this about the film having no dialogue: "And it's just as well, because if the picture had words, the laughs and applause of last evenings' audience would have drowned them out."

Besides being a great comedy, City Lights is also a sad romantic story. The film starts with Charlie, the Little Tramp, helping a poor, but beautiful blind girl by giving her his last cent to buy one of her flowers. That night he saves a drunk millionaire from committing suicide, which turns out to be a very funny scene. He obtains some money from the millionaire so that he can buy all of the blind girls' flowers.

With a car lent to him by the millionaire, Charlie drives the girl home to her slum dwelling. He leaves the girl allowing her to think that he is a millionaire. When Charlie gets back to the millionaire, the millionaire is sober and does not remember ever meeting him. When Chaplin finds out that the blind girl is sick, he gets one crazy job after another to pay for her medical expenses. Charlie learns that an operation may restore the girl's sight. He becomes desperate to find money when he bumps into the millionaire, who is drunk again. While he is giving Charlie the money, thieves knock out the wealthy man. Police arrive and the Little Tramp grabs the money and runs. He gives it to the blind girl and leaves. He is arrested after a funny chase scene and sent to prison. When he is finally released from prison he is completely broke, but all he can think of is finding the girl. What follows is the most moving and unforgettable scene Chaplin ever created.

City Lights will be shown on Tuesday Nov. 5 at 7:30 p.m. in Alden Auditorium. I strongly recommend that you see it.

Throw a pie at your favorite Faculty Member, Dean, RA, etc. at the pie throwing contest at the Marathon Basketball Game, Harrington Aud., 6 p.m. Fri., Nov. 8 to 9 p.m., Sat., Nov. 9.

Karl Shapiro

Karl Shapiro. In defense of ignorance. "Incoherent, disordered, disturbing, infuriating, brilliant." + The white-haired lover. The bourgeois poet.

"But I'm no different. I arrange my books with a view to their appearance. Some highbrow titles are prominently displayed. The desk in my study is carefully littered; after some thought I hang a diploma on the wall only to take it down again. I sit at the window where I can be seen. What do my neighbors think of me — I hope they think of me. I fix the light to hit the books. I lean some rows one way, some rows another."

"His zany poses can lapse from their moments of entertainment to epigrammatic insights." ++

The critics. The reader. The poet himself. There's always a different facet to what Shapiro says. A new perspective. You absorb from his poetry what you want. Shapiro describes what he sees — from the inside going out. You read it from the outside, trying to get in. Perhaps when you hear him read his works, with his emphasis, and his feelings. — you'll share a different insight, catch an overseen twist. Karl Shapiro:

"There was that Roman poet who fell in love at fifty-odd.

My God, Venus, goddess of love, he cried,
Venus, for Christsake, for the love of God,
Don't do that to me!
Don't let me fall in love, a man of my age.
I beg you on my knobby knees, lay off.
Basta! I've had enough — not only that.
NON SUM QUALIS ERAM, Jesus Christ!
How do you know I can get it up!

+ — W.J. Smith, from a review of The Bourgeois Poet, Harper Magazine, Aug. 1964.

++ — Godfrey John, from a review of The Bourgeois Poet, Christian Science Monitor, July, 1964.

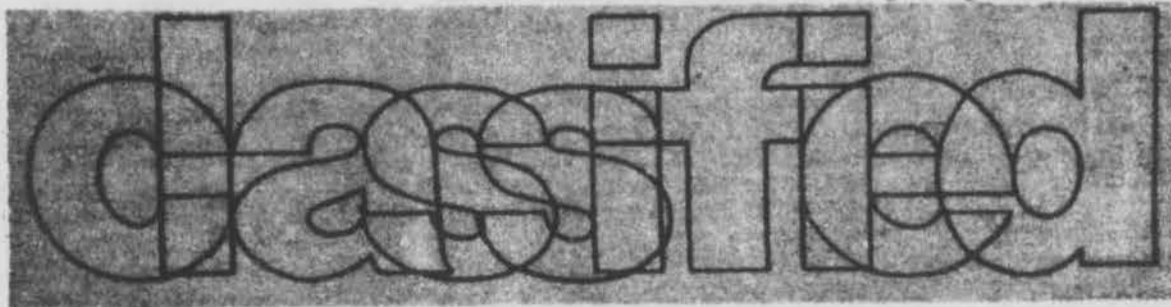
A SPECIAL THANKS to Al Corda for turning my lost wallet in at security. It is refreshing to know there are honest people around.

Bob Rossie

FOR SALE: 1973 Maico 125 Motocrosser 6 speed, rotary valve. \$750. Write box 1149.

ARE YOU COLORBLIND? If you are and would like to donate 30 minutes to science call Paul at 791-5830.

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WILL all people interested in taking a course in sign language for the deaf please contact Arnold Feldman Box 419.

Sports Highlights

WPI Loses to RPI, 28-14

by Cy

Saturday was another "down" day in the up and down season of WPI football. The Engineers traveled to meet their counterparts of Rensselaer and came back on the short side of a 28-14 score.

The RPI victory was much the result of the personal efforts of Vince Ricciardi, Mike Carbone, Steve Walsh, and John Proterra. Ricciardi, a defensive back not only had two interceptions, but also scored RPI's second touchdown on a 83-yard punt return. Middle Guard, Carbone and linebackers Walsh and Proterra anchored the RPI defense which completely shut off the WPI rushing offense, forcing WPI out of their game plan.

RPI scored first on a 19-yard pass from Dave Coons to flanker Pete Ketring. WPI came back and drove for a first down on the RPI two. However, the Engineers failed to score when Carbone recovered a Tom Pelis fumble.

Later in the second quarter, WPI was forced to punt and Ricciardi returned it for the score that made it 14-0 at half time.

The second half was much of the same as the RPI offense could not get untracked. RPI made it 21-0 before Worcester got on the board with a touchdown scored by Tim Scavone, set up by a blocked punt by Jim Begley. RPI didn't let up, however, and came back to score on a 24 yard pass from Coons to Bob Sokolowski.

WPI scored the final touchdown late in the game on a 21 yard pass from freshman Peter Rowden to tailback Bob Simon.

Last week WPI upset a favored Coast Guard team 18-10 behind the passing of QB Dave McCormick. McCormick completed 9 of 18 passes for 185 yards.

Two weeks ago WPI traveled to Wesleyan and dropped a 21-12 decision.

Next week the Engineer will finish their season against at tough Norwich team in a Parents Day contest at home.

Kuwaiti Wins Volleyball Title

by B. Yoni

The WPI Intramural Volleyball Season ended last term with the finals being played on Monday, October 21. The two finalists were KAP and Kuwaiti. Both teams played well, Kuwaiti ending up on top. Kuwaiti took the first game 15-10. In the second game KAP took a commanding 8-1 lead but Kuwaiti fought back with good defense to finally win the game 15-13, and capture the championship. Special thanks should go to Coach Herrion for his fine organized efforts and having to contend with lack of playing space in Harrington Auditorium.

Harriers Boast 14 - 2 Record

by Chris Keenan

The Cross-Country team completed in dual meet season this past week. They posted an impressive performance for the 1974 season with a final record of 14 wins against 2 losses. The squads two losses were to Bates College, who is rated sixth in New England, and to the Coast Guard Academy by only four points. This is the best record ever compiled by a WPI cross-country team and represents a dedicated effort by the entire team.

In the final two weeks of the season the team participated in four races. The first was against Amherst College in Amherst. The squad bounced back from its defeat the week before at the hands of Bates to capture the victory 15-48. on the following Wednesday the Harriers traveled to New London, Conn. to meet Coast Guard and Williams College. This was a crucial meet for the team since all three teams had strong and equally matched runners. In a very close race WPI defeated Williams College by seven points, but came up just short against Coast Guard losing by only four. The final dual meet of the season saw WPI facing a weak Trinity College team. The team turned in a strong performance by taking the first eight places and scoring the perfect 15-50 margin. There was a five way tie for first place with Dave Fowler, Alan Briggs, Chris Keenan, Jeff Wnek and Pete Kane coming across the line together.

The WPI cross-country team should be congratulated on a fine season. A great deal of credit for the teams' success should be given to head Coach Frank Sahella and asst. Coach Prof. Allen Hoffman. Their efforts were greatly appreciated by all the members of the team.

The final race of the season will be on Monday, Nov. 11 at the New England Championships. The competition will be keen but the team hope to do well.

Simon Says

It has been a little while since the last paper was published, but I have been picking games every week to keep things going. I'm sure you all have been holding your breath waiting to hear how I've done. Well, not counting Sunday's pro games, my total record is 57-36-3 which works out to a .624 percentage. Saturday, I was 6-3-2 for the college games. It was the past two weeks that really improved my record, as I was 12-5 and 13-4. This week's picks were really tough as it is getting late in the season and the good teams are beginning to play one another. Anyhow, this is the way I see it:

UMass	17	Holy Cross	14
Alabama	27	LSU	10
Auburn	28	Mississippi St.	21
Penn St.	20	North Carolina	18
USC	17	Stanford	16
Tulane	33	Boston College	26
Air Force	16	Army	16
Oklahoma	60	Missouri	20
Ohio St.	28	Michigan St.	3
Pittsburgh	23	Temple	20
And:			
WPI	21	Norwich	20

in the pros:			
N. Y. Giants	24	N. Y. Jets	21
St. Louis	24	Minnesota	23
New England	30	Cleveland	21
Cincinnati	24	Pittsburgh	17
Oakland	30	Detroit	20
Washington	17	Philadelphia	16

SKIING INFO

This year Bromley is making a special pre-season offer to college students. A student sending us his or her name, address, school and college I.D. number will receive "Free" a Bromley Student I.D. card. This offer is good up until November 15th after which there will be a \$3 charge for registration.

The Bromley Student I.D. card entitles the bearer to a \$7 rate midweek and \$9 rate weekends and holidays — a savings of \$2 midweek and \$3 weekends and holidays. Send information to: Bromley, Box 903, Manchester Center, Vermont 05255 — Tel. 802-824-5522.

Maxouris, King Lead Booters to 11 - 2 - 1 Season

by Steve Fairbanks

In the last three weeks of the season, the WPI soccer team powered its way from an unranked position to the number nine ranked team in New England. The Booters went undefeated in their 1st eight games winning seven and tying one, to end the regular season with a very impressive 11-2-1 record. Perhaps one of the main reasons for Techs' success lies in John Maxouris, a forward, and a native of Athens, Greece. In the last six games of the season, John scored an unbelievable 18 goals, bringing his total to 24, smashing the school scoring record of 15 goals for a single season. Maxouris added 8 assists over the year for a total of 32 points, easily the leading scorer in the NEISL Division II. However, John was not the only power in the WPI scoring punch, as Alan King also eclipsed the old scoring record by netting 16 goals, 10 of these coming in the final six contests. Alan also added eight assists to give him 24 points for the season, making him one of the top scorers in the league. Other goal scorers for WPI included Rick Rudis: 8 goals and 4 assists, and Walt Brayley: 4 goals and 4 assists.

With a record of 6-2-0, they traveled to Assumption some three weeks ago, and it was in this game that Maxouris began his scoring spree. The Engineers were victorious by a 5-0 margin, with Maxouris scoring four times and assisting on the other goal, scored by Rick Rudis. WPI dominated play throughout the match, taking a commanding 3-0 lead at halftime. However, during that half, Tech goalie Bob Grochmal sprained his thumb, but was replaced by Gary

Anderson who preserved the shutout.

The following Saturday, the Booters faced Holy Cross, which turned out to be an offensive show by both teams, with WPI holding on to defeat the Crusaders 8-6. The Engineers opened the scoring on a goal by Maxouris, assisted by Jake Mandelbaum. It appeared as if WPI would be the dominant team at this point, but Holy Cross bounced back with 3 goals to take the lead. But just before the half, Alan King connected to draw the Booters within one. In the second half, Tech tied the score on a long shot by Chris Cocaine, but once again Holy Cross scored to take a 4-3 lead. However, Maxouris went to work and scored twice, the second off pass from King, giving WPI a 5-4 edge. Techs' lead was again cut short as the Crusaders found the mark with two consecutive markers to go ahead 6-5. With only six minutes remaining, the situation looked bleak for the Booters, but John Maxouris took command once more, and with some fancy dribbling through the H. C. defense, scored two goals to put the victory on ice for WPI. As time ran out, the Engineers were awarded a penalty kick, on which Alan King made good, to end the game with Tech on top 8-6. The victory was costly to the team, however, as John Bucci was lost for the season with an injury, adding to the teams injury list which plagued the Booters all season.

Nichols College was the next opponent, and WPI proceeded to cruise to a 5-0 victory. It was King who provided the goals for WPI in

this contest, as he netted a hat trick. Rick Rudis registered the other score for the Engineers. Nichols was never really in the game, as WPI's defense seemed to patch up the holes from the Holy Cross match, with Bob Grochmal and Gary Anderson combining for the shutout. Shots on goal were in favor of WPI by a wide 25-4 margin.

The Coast Guard game was anticipated as one of WPI's toughest games of the season. At that time, Coast Guard was ranked 11th in New England, while Tech was rated as the 13th team. As it turned out, the Eagles should have stayed in New London, as the Engineers romped to a 7-1 victory. Maxouris and King once again provided the scoring, as John netted four goals and Alan connected twice. At halftime, WPI had a commanding 5-0 lead, as Maxouris scored a hat-trick with a fine exhibition of soccer skills. The Booters added two more in the second half before Coast Guard ruined Gary Andersons' shutout late in the game. Techs' two second half scores were credited to Maxouris and Freshman Wayne Shiata, his second of the season. Before this game, Coast Guards' defense was rated as one of the best in the league, but WPI's offense was too much for it. However, once again injuries plagued the Booters, as goalie Bob Grochmal broke his hand early in the match, and was lost for the remainder of the season.

Boston University proved to be the sixth consecutive victory for the Engineers, as B.U. felt the sting of the Maxouris-King duo.

King opened the scoring, with an assist going to Maxouris. Before the half ended, King and Maxouris each connected on a penalty kick to give Tech a 3-0 bulge at the break. In the second stanza, WPI opened a 4-0 lead on Alan Kings' connected minutes later. B.U. broke the shutout late in the game on a goal off a corner kick. Maxouris ended the scoring with his second strike of the day to give the Engineers a 6-1 victory.

The final match of the regular season was against a tough University of Hartford Team, ranked 11th in New England. Hartford was able to bottle up WPI's powerful offense while keeping the pressure on Techs' defense for the major part of the first half. The Hawks drew first blood on an indirect kick which was headed into the WPI net. As the half ended, the Booters were finally beginning to play solidly, but couldn't manage a goal, allowing Hartford a 1-0 lead at halftime. As the second half opened, Tech began to click, once again behind John Maxouris. Maxouris tied the score with a shot to the corner, and then gave WPI a 2-1 bulge when he headed a shot past a stunned Hartford goalie. Jake Mandelbaum assisted on the goal with a cross from the wing. Alan King then took a throw in, which bounced past the Hartford goalie; Walt Brayley cut in from the wing, and took the ball into the net to give the Engineers a 3-1 edge. However, Hartford bounced back with two quick goals to tie the score. The rest of the match was a hard fought battle, with WPI having a few good chances in the

closing minutes. The 3-3 score was very indicative of the type of play in the game, as both teams played an even contest, each having its share of domination of play.

With an 11-2-1 record, the soccer team has the distinct possibility of being selected for the Division II playoffs, which will include four teams from the New England - New York area. The winner of this regional play-offs will travel to St. Louis for the semi-finals. A decision should be made later this week, and the team should hear by Thursday of this week.

**Don't miss the
Marathon
Basketball
Game**

**6 pm Fri., Nov. 8
to
9 pm Sat., Nov. 9**

**a GOOD TIME
Bring your
parents too!**