

SCHOOL CLAIMS I. F. WEEKEND BEST IN YEARS



I.F. Queen, Miss Carol Kennedy, with her date, Paul Krantz, of Phi Gamma Delta.

The coming of Sunday morning marked the end of the 1962 I.F. ball. For many it was a delightful first experience, for others it was a different endeavor from any other I.F. weekend. The new semi-formal ball held off campus in the elegant ball-room of the Worcester-Sheraton hotel was a rousing success. For all, the weekend was an enjoyable break from studies; but for some, like Miss Carol Kennedy, queen of the ball, it was a thrilling experience. Needless to say Brother Paul Krantz of Phi Gamma Delta, the proud escort of Miss Kennedy, will also treasure fond memories of the weekend. Also reaping the enjoyments of I.F. were: Ellen Flagg, Miss SAE and escort Ron Friend; Liz Kraft, Miss AEPi and escort Fred Siff; Ellen-Marie Gaines, Miss LCA and escort Carl Fustaferro; Barbara

Bleckley, Miss PKT and escort Fred Bartkiewicz; Julie Sittard, Miss ATO and escort Mike Kulig; Doris Putis, Miss PSK and escort Bruce Ochieno; Chris Helow, Miss SPE and escort Nish Teshoian; Olivia Anderson, Miss TKE and escort Pete Craugh; Edie Webster, Miss TC and escort John Machonis.

Of course the ball was only the beginning as Friday night parties got underway after the ball. Saturday afternoon offerings of Kingsley McNeil and Doctor Henry Gerald warmed the engineers and their dates for the evening ahead. A disappointing loss to Wesleyan in the evening basketball game failed to dampen the spirit of the weekend as Saturday night parties and Sunday morning church activities closed out the weekend.

MANY PROBLEMS ON FRATERNITIES

Placement Seminar

For four years the student builds up his knowledge of engineering principles. His aim—graduation and a job. But it is more than a question of accumulating this knowledge, the student must know how to obtain his job as well. To assist him in this task the Placement Office runs a seminar each year. This year's was held last Thursday.

The seminar was divided into two parts. The first was of a general nature for people majoring in all fields. The second part was broken down into "interest groups."

The speakers gave useful tips for the student who is looking for a job. Mr. Clark, of New England Telephone and Telegraph, pointed out that the engineering student should examine the possibilities of managerial work. He also stressed the long range opportunities. Mr. Henderson, of Shawinigan Resins, mentioned that a job was going to be a great challenge, but that the rewards would be great. He also brought out, as did several others, that one should not go to graduate school unless he really belonged there.

Other speakers said that a qualified individual would get sent to graduate school anyway. It is necessary in order that the company keep up with the rapid technological changes.

In general the speakers stressed the opportunities available and the hard work that would be required.

Our own Bill Trask had a few tips to offer in addition to those of the guest speakers. He said to attend group meetings; they are important. He also said to contact him if the company does not contact you within the specified time. And a pertinent fact was mentioned—last year's average starting salary was \$549 per month.

TECHNIC FORUM

Worcester Polytechnic Institute held its 14th annual Technic-Forum on November 13-14, at which about 30 high school guidance counselors were guests of the Institute. Each of these guidance counselors was approached through a W.P.I. alumnus in that particular area and personally invited to the Technic-Forum. Their expenses were then paid by the W.P.I. Alumni Association. These men represented high schools not only from Massachusetts, but from many of the surrounding states such as Vermont, Connecticut, New York, New Jersey and even a couple of representatives from Virginia.

The program consisted primarily of tours through each of the degree departments on the campus, led by the respective degree department heads. At each of the luncheons, there were talks given concerning both the cultural and technical aspects of engineering. An open forum was also held after.

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POLLACK EMPHASIZES MORE PARTICIPATION

On Tuesday, November 27, members and pledges of the several Tech fraternities gathered in Alden Memorial for the Fourth Annual Alumni Interfraternity Council's Convocation. Mr. George Uihlein, President of the Alumni IFC, introduced the speaker for the evening, Dean O. Edward Pollack, Dean of Students at Union College.

Dean Pollack spoke on the subject "Of what is a fraternity composed?" The most essential part of fraternity life, he maintained, is giving of yourself. He emphasized brotherhood, calling it one of the most potent forces on the campus, but stipulated that it cannot exist if the members do not give of themselves to make it work.

Fraternity membership should also carry with it the responsibility of high scholarship ideals. Too many of our fraternities speak of their high standards in this area and then do nothing to prove it, he said.

A frequent criticism of fraternities pointed out by Dean Pollack is that they do not consider themselves as subordinate units to the school. The mottoes of the various fraternities to this effect should be carried out more generally than they are.

Fraternities also have the best opportunity of any group on campus to help the moral and spiritual development of the members. He pointed out that dormitory life, despite all its good points, cannot make as great a contribution in this respect.

Interviewers who visit the campus to interview seniors for jobs look for poise and social confidence as well as high marks, and here is another area in which the fraternities can help the members prepare for the future. Dean Pollack pointed out that this poise and confidence is just as important in the business world as it is in the college days.

The theme of the whole speech, he concluded, is that the members themselves are the ones who determine the policies and programs in which their fraternities can be of service to them. Therefore, we all have the obligation to correct all or any of the above mentioned points which we find lacking in our own fraternities.



Mr. George V. Uihlein, Jr., President of the Alumni IFC.

Tech Gets \$96,000

Worcester Polytech has received a National Science Foundation grant of \$96,650 to support its physics courses for secondary school teachers. This grant, which will end in June 1964, is a follow-up to a previous grant of the same amount which enabled 21 per-

sons to receive master's degrees last August, after completion of a two-year course in natural sciences. Prof. Richard F. Morton, who is in charge of the summer and in-service institute in physics, said that a similar course

See GRANT—Page 4



Mr. Charles L. Horn hurls "startling" address to those gathered at a special convocation announcing the Olin Foundation's spectacular gift to WPI.



Mr. Philip M. Morgan, Chairman of the Board of Trustees, congratulates Mr. Charles L. Horn on his fine address while thanking him for the gift of a new Chemistry Building to WPI.

EDITORIAL

OPEN DOOR POLICY

Although talk of that famous "Senior Slide" still lingers on, more and more of the renowned upperclassmen are realizing that such a fable is but a figment of the imagination. Not only is work piled high on both sides of the desk, but if we dare to extend our sphere of thinking the first object which comes into focus is a big red question mark—What happens after graduation? (Also a question.)

Put yourself in a big arena. It is heated, has plenty of light, a friendly atmosphere, and in general all the comforts one could ask for. Along the walls are a number of doors, all labeled and each one seeming to have its good and bad points. And yet in four short months or less a choice must be made, and as the saying goes "for richer or poorer, for better or worse."

To some the decision may be easy: marriage and go to work for daddy; get Uncle Sam out of the way and then see what comes along; or graduate school for at least another two years. But for others, and may I say for the majority, the problem of deciding is summed up in that big fuzzy question mark.

As is typical of open-mindedness, you decide one day and the next you don't. See if this doesn't hit home. You have thought of graduate school and the natural course of action includes a talk with your department head. He points out that your marks are good enough and stresses the advantages of a masters degree. Fine, you walk out with your mind set on the next move—send out those applications and wait for the replies. This lasts until you happen to meet your roommate who has just had a job interview. He too has just decided—go into industry, investigate various fields until he finds one he likes, and then if necessary seek more schooling. Well, that doesn't sound too bad, in fact it makes sense. So now you have decided on working. On top of all this you get a letter from your girl and you're back where you started. (NO comment.)

SENIORS, the choice is yours! We have a Placement Office that is hard to beat. Interviews have started this week and will continue until April. Your department heads and professors are willing and able to listen and offer all the assistance possible.

The doors are there, pick one and open it wide.

—D. B. R.

CLASSES: JANUARY 2ND

There has been much discussion lately concerning the Christmas vacation. The recess officially begins on noon Saturday, December 15. Classes are due to resume Wednesday, January 2nd at 8 A.M. Discussion has mainly centered upon the January 2nd date.

The matter was first taken up by the Tech Senate. The general feeling there was that due to the holiday revelation and the great danger present on the highways January 1st, suspension of classes on the 2nd might be desirable. This was a policy followed by Worcester Tech last year.

The Administration, this year, felt that an early conclusion of classes on December 15 would allow many students a longer working vacation. This they felt would outweigh the inconvenience of travel on the 1st. Coupled with the fact that classes have already been cancelled once previously due to the Inauguration of President Storke makes the proposal for suspension of classes on the 2nd very unlikely.

The Administration's policy of early dismissal certainly can be justified. Their action appears to be in the best interests of the majority of the students.

Whatever the decision, however, a firm agreement should be made. This same problem is due to come up next year. Is there a solution agreeable to EVERYBODY?

—A. A. M.

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1. B159345 2. A063168 3. C625641 4. B898060 5. C479646

CONSOLATION PRIZE NUMBERS!

1. B258729 2. C065695 3. A014505 4. C403887 5. C001596
6. C233412 7. C375972 8. B398344 9. A487788 10. A121605

TECH NEWS

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TECH NEWS
MEETING IN
HIGGINS 109
MON. AT 4:00

The College Column

The "Trinity Tripod" of Trinity College recently published a report by James Cronin, Professor of English at St. Louis University, that students' personalities can be classified on the basis of their grades.

According to Dr. Cronin, the "A" student is the most difficult to assess. He rarely works for hours for he possesses an extraordinary memory and an organizing mind. The "A" student has little respect for authority, nevertheless he will be the leader, the teacher, healer, judge, and occasionally the destroyer. The "B" student, says Dr. Cronin, is the sturdy type, the backbone and conscience of the country. The genuine "B's" are serious, hard working, and consistent. The "C's" are the masses, docile, unoriginal and conservative. Often the work of one is indistinguishable from another. Dr. Cronin rates the "D's" as merely lazy "C" students. The "F" student Dr. Cronin calls confused, inept, unoriginal, and unable to stay in college.

From the M.I.T. newspaper "The Tech" comes an editorial which proposes senior tutoring for freshmen. According to the editorial, the most important ingredient in the success of this plan is that it be given a small but significant place in the academic framework. If the tutorial sessions become anything but quiz reviews regular contact with the instructor in charge of the course will be a necessity.

The benefits which could be derived by both parties to the plan are attractive. The freshmen will have an opportunity to go over the course material carefully and the senior will have a preview of what teaching could be like. The searching questions a student can ask invariably call for a thorough reexamination of the teacher's own knowledge, and the subsequent clarification of thought is invaluable.

LETTER TO THE EDITOR

In an editorial an issue or so ago, the decline of school spirit and the lack of support of school activities on our campus was noted. This fact can be supported by facts pertaining to two of our top school organizations, the Tech Senate and the Interfraternity Council.

Several weeks ago when the plans for I. F. Weekend were on the "drawing board," it was suggested that a show be presented on Saturday afternoon to augment arrangements made by the various fraternities. The Arts Society proposed that they be allowed to sponsor a presentation of the Broadway musical "Brigadoon" featuring the Worcester Light Opera Club. This idea was at first accepted with enthusiasm. Plans were drawn up and arrangements made. Then for no reason brought to light to date, the IFC decided they should look elsewhere for ideas.

Then the IFC, in conjunction with the Tech Senate voted to bring a hypnotist to Alden Memorial on Saturday of this big weekend. Before final acceptance of this idea it was decided to ask the various fraternities if they would support this type of show. THE ANSWER WAS NO! What did the Tech Senate do then . . . they appropriated \$500 to pay for "their" show. They did this expecting to take a huge financial loss.

Let us now consider the Arts Society. This organization was founded a few years ago with the idea of bringing types of culture to the campus. Broadway musicals have become an integral part of American culture. "Brigadoon" was so popular that it ran for over two years on Broadway. The Arts Society had money set aside for such an endeavor last year when making out their budget.

Now compare the conflicting ideas. The Tech Senate planned to charge \$1.50 per couple, the Arts Society show would have been free. Experience should point out that on a big weekend such as this, the mere thought of having to pay for something else is repulsive. Many of our fellow students and fraternity brothers had dates up from home for the weekend with the thought of having a good time. The members of the Freshman class especially wanted to impress them with the splendid life on our campus. What could be more impressive than something like a Broadway musical, live on our own stage by a group that has a reputation for excellence in the city of Worcester.

It is admitted that it would be bad for either the IFC or the Tech Senate to endorse anything that wasn't worthwhile even if it were backed by a school group. In this case, however, I believe a mistake has been made. In the Tech Bible it tells the Frosh to support school functions and take part in school activities. What kind of an example has been shown by these two units of government, when for no good reason they have refused to back or support an established school organization? What kind of school spirit has been shown by not trying to boost the prestige of WPI!

Gary Coram, President, Worcester Tech Arts Society



"Mr. Showmanship"

BOBBY DARIN

The most exciting performer yet to appear in Worcester!

VAUGHN MEADER

Introducing his smash comedy album

"THE FIRST FAMILY"



THIS TWIN BILL WILL BE AT THE AUDITORIUM TOMORROW EVENING. GOOD TICKETS ARE AVAILABLE AT THE BOX OFFICE.

Photography Club

A meeting of the Photography Club was held last Monday. Presiding, was Professor Borden, adviser of the group. It was announced that the school is willing to donate eleven hundred dollars for a new dark room, because of the inadequate facilities in Higgins Laboratories, which the Photography Club is presently using. A committee will be appointed at the next meeting to draw up plans for the new dark room.

It was mentioned that President Storke suggested that the Photography Club broaden its coverage to include Boynton Hall. At present, most of the photography for school publications, such as the catalog, is done by commercial photographers, and recently students have been hired to take pictures. So the Photography Club has decided to broaden its coverage to include school publications, in order to give more students a chance to take pictures. One thing mentioned that the Club might start thinking about, is a color packet for the school representatives to take around to High schools when interviewing High school students. It was also noted that this year's catalog had its photographs and text integrated, whereas in past years there has been a separate picture section in the catalog.

Discussion was held on combining all the photography staffs into one organization. This would mean that the *Peddler* and *Tech News* Photography staffs would be combined with the Photography Club. However, due to problems such as duplicate coverage, and the managerial staff, the idea was not pursued.

The next meeting will be Tuesday, December 11, 6:30 P.M., in Higgins 130. Elections for the coming year will be held then.

Radio Club

The Radio Club of Worcester Tech has accomplished much this past year, and plans for the future seem to indicate there will be no let up.

With parts which were donated from the E.E. department, the members built and completed a one kilowatt radio transmitter. The club also purchased a new communications receiver and it too is now being used by the club members. With funds from the Council of Presidents and club dues, it was possible to install a new antenna on top of the E.E. building. In a recent amateur radio contest, 250 stations in 30 states were contacted by the Engineers in approximately six hours.

Plans for the future include a new 150 watt single sideband transmitter. The club also hopes to install a V.H.F. station which provides amateur communication at frequencies in the same range as those used for television signals.

A trip to WBZ T.V. studios should prove to be an interesting affair for all club members. The trip is to be held Saturday, Dec. 8, although the date is tentative.

Student Loans

Applications for National Defense Loans for the second semester are available in Boynton Hall, room 202. The application consists of two forms, the Institute form and the Parents' Confidential Statement. It is not necessary to fill out a Confidential Statement if you have previously submitted one with an application. If in doubt whether or not to fill this form out, check with the receptionist to see if she has a record of your filed form. The deadline for returning the forms is December 15.

Loans are granted primarily on the needs of the applicant. However, to receive such a loan, the applicant should not be in scholastic difficulty.

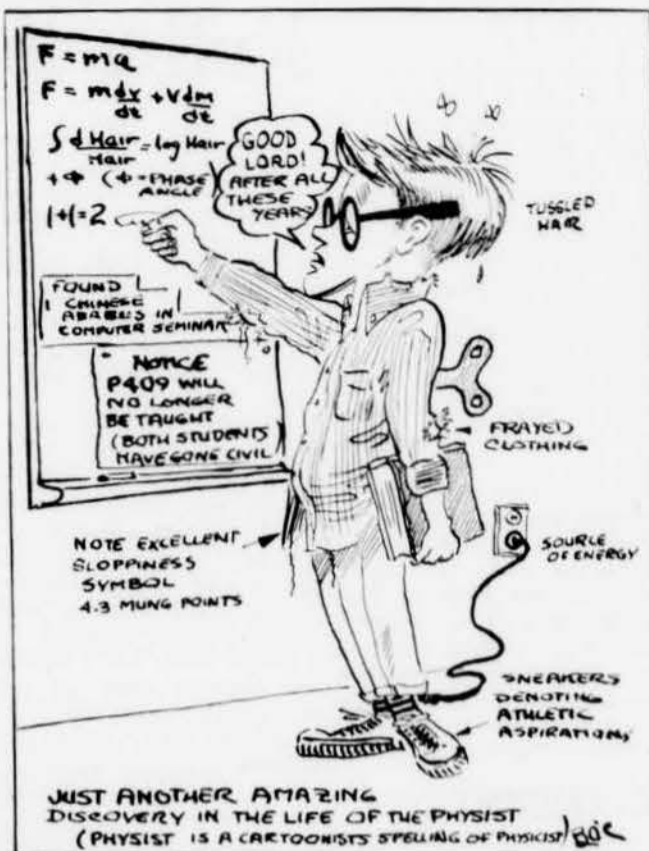
W. A. Lilius Wins Model Car Award

Walter A. Lilius, a senior M.E. major, was recently awarded a prize of \$150 by the Fisher Body Craftsman's Guild in their annual model car competition. The prize was for first place in the State of Massachusetts Senior Division. The announcement was made in a letter to Dean Downing from C. W. McClellan, Administrator of the Guild.

In addition to the cash award, Lilius will also receive a trophy for his accomplishments to retain as a personal possession. Worcester Tech will also be presented a trophy, in further recognition of his efforts. These trophies will be given at a later date.

The Fisher Body Craftsman's Guild is in direct conjunction with General Motors. The model car contest is held every year by the Guild to encourage students to create original body designs and new exterior styles.

**Remember . . . J. P. Is
Only 146 Days Off!!!
(April 19, 1963)**



**MEETING MONDAY
HIGGINS 109 AT
4:00 P.M. FOR
E-V-E-R-Y-O-N-E
INTERESTED IN
THE TECH NEWS -
- REPORTERS -
- CARTOONISTS -
- PHOTOGRAPHERS -
ETC., INCLUDED**

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Ed Mullett (B.S.E.E., 1956; M.S.E.E., 1962) is Project Engineer with the New England Telephone Company in Boston. Ed is assigned to the State Area Radio Transmission Group which planned and designed the Company's first major microwave system to be used for message service.

On another project, he made design and cost studies for the first educational television system in New England.

Ed's career has presented many unusual engineering challenges and rewards and a chance to get his Master's Degree at company expense.

Ed Mullett and other young engineers like him in Bell Telephone Companies throughout the country help bring the finest communications service in the world to the homes and businesses of a growing America.



BELL TELEPHONE COMPANIES



S. S. C.

Because the Student Service Council is concerned primarily with annual jobs, its work is fairly familiar to the upperclassmen. This article on the S.S.C., therefore, is directed mainly to the Freshmen who have not had a chance to learn about the S.S.C.

The Student Service Council has twelve members, three from each class. These men are elected annually and hold their positions for one year. Like all other organizations, the S.S.C. has officers. Don Robertson, Brian Sinder, and Dave Schweaber hold the offices of Chairman, Treasurer, and Secretary, respectively. Their meetings are held every two weeks.

The S.S.C. plays a very important role here on the Hill. It is the organized medium for all publicity and advertisement of school functions among the segments of the W.P.I. family. This informing process is carried out by posters located throughout the campus and also by the bulletin board located in front of Alden. In the immediate future, the S.S.C. will have a bulletin board of its own located in Boynton Hall. All assembly notices, activities and Freshman-Sophomore competition news will be posted there. The S.S.C. is also in charge of making the Tech Bibles and blotters. The suggestion box in Boynton is also a responsibility of the S.S.C.

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Across From Diner

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Ebasco Services is a recognized leader among firms performing engineering and construction services and offers many unique opportunities for qualified engineers entering these fields.

As an indication of the areas in which these opportunities exist, here are some phases of power engineering in which the company is currently pioneering:

- power plant automation
- design of test and prototype nuclear power reactors
- pumped storage hydroelectric developments
- use of computers for solution of engineering problems
- ultra high voltage transmission

As we see it here at Ebasco, our chief asset is the technical excellence of our staff members. Accordingly, we direct our efforts towards establishing an atmosphere that is conducive to creative engineering and professional competence.

Training is informal and tailored to the individual. When you join us you can expect to be given a specific assignment of a responsible nature almost immediately.

As you work with our various teams of engineers, you will come to appreciate the value of association with leading consultants, engineers whose diversified experience provides a wealth of engineering know-how.

Through the years a steady stream of Tech graduates has joined the engineering staff of Ebasco Services and progressed through the ranks to positions of high level importance.

Mr. Richard J. Sanders will be on campus on Friday, December 7, 1962. We invite you to make arrangements through your Placement Office for an interview with our representative.

EBASCO SERVICES INCORPORATED
Two Rector Street New York 6, N. Y.

Fuller Gift

George F. Fuller, a former Worcester industrialist philanthropist passed away recently leaving to Worcester Tech a three-story house and garage (including land) on 15 Massachusetts Ave. Along with this impressive gift Mr. Fuller also bequeathed a sum of \$45,000 to pay for renovations and maintenance. The generosity shown by Mr. Fuller in his will is representative of the philanthropic ways he has shown throughout his life.

Mr. Fuller has suggested in his will that the house be used as a conference center, but the actual use of the house has not been decided. Several suggestions have been made to its possible use, such as a faculty club and living quarters, an alumni center or a conference center including accommodations for visiting delegates.

George Fuller was a very ambitious and dexterous youth. He left school at an early age to start work at a local firm. His drive for higher achievements soon showed as he became a leader in the advancement of the machining industry. Mr. Fuller's last position was Honorary Chairman of the Board of Wyman-Gordon Co. where he also held the post of president for many years. To mention all the charitable and church organizations that Mr. Fuller has participated in would require a great deal of space, and yet he led a comparatively simple life devoted to helping others. Surely every man at Worcester Tech can look with envy at such a remarkable life of such a remarkable man.

Ranger Program

During the past months, the W.P.I. Ranger unit has been going through a grueling, well organized program of physical and mental training. Most recently, during the Thanksgiving Day holiday, the Rangers "ran" through a tough four-mile map and compass course in the Holden Town Forest Area. The men's results were outstanding, as they accomplished their task with proficiency and accuracy.

Future events list "hit and run" guerrilla tactics highlighted by the simulated blowing-up of the Holden Dam. This will take place during the Christmas holidays and should be the stand-out event of the semester. Another project in the future will call for aggressor attacks against the Pershing Rifles at Fort Devens.

GRANT—From Page 1

will be made possible by the new grant. At present about 30 teachers within commuting distance of Tech are enrolled in the in-service course which continues for the rest of the school year.

Future use for the funds includes courses next summer and the following school year. With the support of this grant, teachers from all over the country will be able to attend the 1963 summer institute, although these teachers will not be candidates for the master's degree in natural sciences. Prof. Morton said that another grant will enable the completion of the current two-year course during the summer of 1964.

**EE LIBRARY
WILL BE OPEN
MON., DEC. 10,
1962 THROUGH
FINALS
7:30 TO
11:00 P.M.**

**AN OPPORTUNITY TO GROW
IN THE HIGHEST PROFESSIONAL
WORKING ENVIRONMENT**

ELECTRICAL ENGINEERS

PHYSICISTS

MATHEMATICIANS

**Technical representatives
of the MITRE Corporation
will be conducting interviews
on campus
February 00, 1962**

MITRE designs and develops systems that enable our military commanders to detect attack and retaliate instantly. Typical systems include Nuclear Detection and Reporting Systems, North American Air Defense Combat Operations Center, and Back Up Interceptor Center. MITRE is also experimenting with techniques for future air traffic control systems.

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You may work in such diverse areas as information theory, computer design, display techniques, propagation, or human engineering. You may analyze. You may synthesize. You may deal with systems or individual components. At the highest levels, you may have to consider political, economic and social factors... as well as the available and predictable technology.

Requirements, B.S., M.S., or Ph.D. in these disciplines — electronics, physics, and mathematics. MITRE is located in pleasant, suburban Boston. If an interview will be inconvenient, inquiries may be directed in confidence to Vice President — Technical Operations, The MITRE Corporation, Box 208, Dept. 000, Bedford, Mass.

MITRE, an independent nonprofit corporation, working with — not in competition with — industry, serves as technical advisor to the Air Force Electronic Systems Division, and is chartered to work for such other Government agencies as the Federal Aviation Agency.

**ARRANGE FOR AN INTERVIEW
THROUGH THE PLACEMENT OFFICE.**

THE
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An Equal Opportunity Employer



1962 SENIOR JOB REPORT

In an era of high unemployment for those unskilled in our modern day technology, the graduates of the 1962 class achieved great success in securing positions in the industrial world.

Approximately 212 companies among the top 500 in the country, held almost 2500 interviews with students in last year's senior class. Of these, 385 job offers were made available to them. The breakdown went as follows: 110 seniors accepted jobs, to begin immediately after graduation, 63 were granted positions in various graduate schools, one person joined the Peace Corps, and 17 were inducted into various branches of the armed services.

As indicated in the salary analysis of the placement office report, the

average starting salary of the Tech graduate last year was \$549 a month. Leading the list were the electrical engineering graduates, who were receiving, on the average, the sum of \$563 a month.

Also using the facilities of the Placement office were 42 graduate students, 38 of whom reported their job acceptances and salaries. The average salary received to start by these men was \$673 a month.

The students reported that the three most important factors in job choice and acceptance were type of work, salary, and location. The above information was gathered from questionnaire forms returned to the placement office by the graduates of 1962 as of June 1, 1962. These figures are accurate according to this information. A number of students and companies did not inform the school as to offers, acceptances and salaries, and they were not averaged in the statistics.

FORUM—From Page 1

the dinner of the first night to discuss many of the problems encountered in high school enrollment to engineering colleges.

The primary purpose of the Technic-Forum was two-fold. First, the Institute had to present a general concept of what an engineering college consists of and what type of student material it in turn seeks for enrollment. Second, Worcester Tech definitely intended to present a favorable image of itself. Both of these purposes were accomplished through the help of all of the department heads. Many of the guidance counsellors were amazed at the type of work that is carried on in the labs and the type of equipment that the students were using. As a result, all of the counsellors left the Technic-Forum with a broader and more enlightened view of engineering and consequently recognizing the difficulties of engineering.

WORCESTER TECH STARTS PLANS FOR CENTENNIAL PROGRAM

The school year '64-'65 will be Worcester Tech's one hundredth anniversary. Even at this seemingly early date a WPI Centennial Committee has been appointed. Alumnus Carl W. Hedberg is chairman. Other members are Andrew L. Wilkinson, Roger N. Perry, Professor William R. Grogan, Professor Kenneth E. Scott, and Robert S. Fox.

Director of Public Relations Fox said that in a nutshell the year will contain "a few special events to recognize the past one hundred years and to relate all other normally conducted events to the Centennial." A normally conducted event might be a Tech Band or Glee Club concert, Tech Carnival, or a Masque play; or the meetings of national engineering societies

or the annual Scientific Briefing for Tomorrow. For the latter a subcommittee of Professor Bernard L. Wellman (chairman), Associate Dean of Faculty Richard F. Morton, and Director of Development Ross Alger have been appointed to arrange the scheduling of events in the scientific and engineering fields.

President Storke has submitted a list to the committee of "Required," "Desirable," and "Possible" Centennial Events. The first category would consist of such events as a closing convocation. The second contained an opening convocation and publicity on "Worcester Tech of Yesterday." The third, an open house at WPI. The committee will meet bi-weekly.

Check your opinions against L&M's Campus Opinion Poll #22

1 Should we maintain our part in the nuclear arms race?



Yes

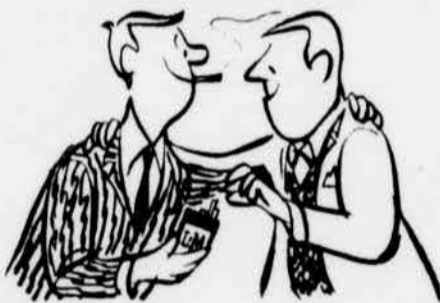
No

2 How do you feel about fraternities?



Like 'em Don't like 'em
 Can take 'em or leave 'em

3 What would convince you to switch to a different cigarette?



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HERE'S HOW MEN AND WOMEN AT 56 COLLEGES VOTED:

Question	Men	Women
1. Yes	87%	82%
1. No	13%	18%
2. Like 'em	61%	48%
2. Don't like 'em	12%	15%
2. Take 'em or leave 'em	27%	37%
3. Friends smoke it	58%	65%
3. Ads	27%	20%
3. Contests	15%	15%

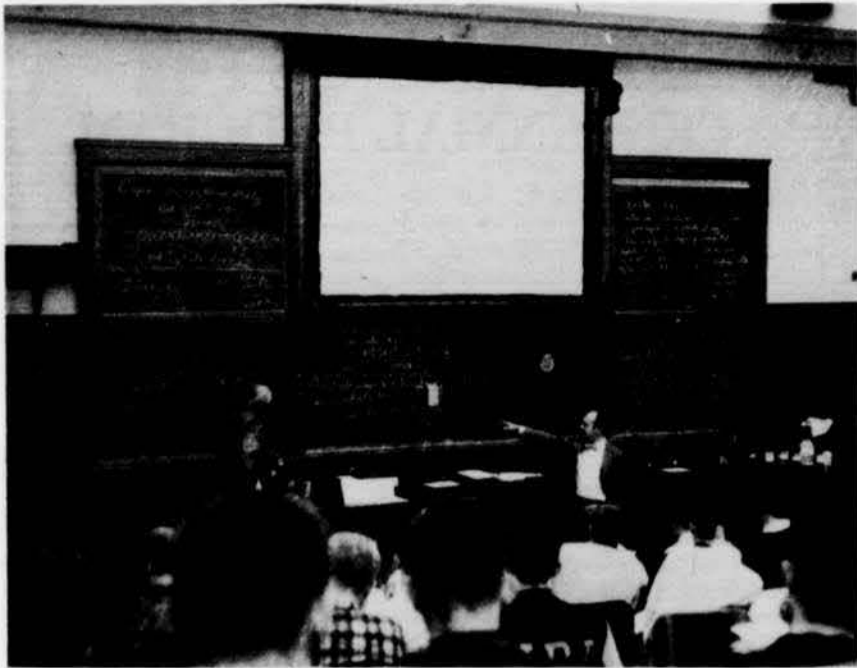
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LIEUTENANT JOHN MONTEFUSCO, HISTORY MAJOR, CLASS OF '61

"If I had it to do over again, would I take Army R.O.T.C.?"

My wife and I are in Panama at the moment. She likes it. You know, Officers' Club, dances—that sort of thing. I like it, too. But whether I stay in the Army or not, the question is: Would I take Army R.O.T.C. if I had it to do over again? Yes, I certainly would. In spades, I didn't realize how lucky I was. At the time I figured: Okay, so I'll get my degree—get an Army commission, too, and pick up some extra money along the way! I wasn't the leadership type, I thought. I was wrong. Boy, was I wrong! Looking back on it, I wouldn't trade the leadership training I got for anything! Take my word for it, leaders are made—not born! Whether I stay in the Army or not, nobody can take away what I've learned. And let's face it, where can anybody my age step out of college and walk into a standard of living this good? Look, if you have already invested two years in college ROTC, take it from me: *Stick it out!* It'll be one of the smartest things you ever did. *I say so.*"



"As you can plainly see . . ."



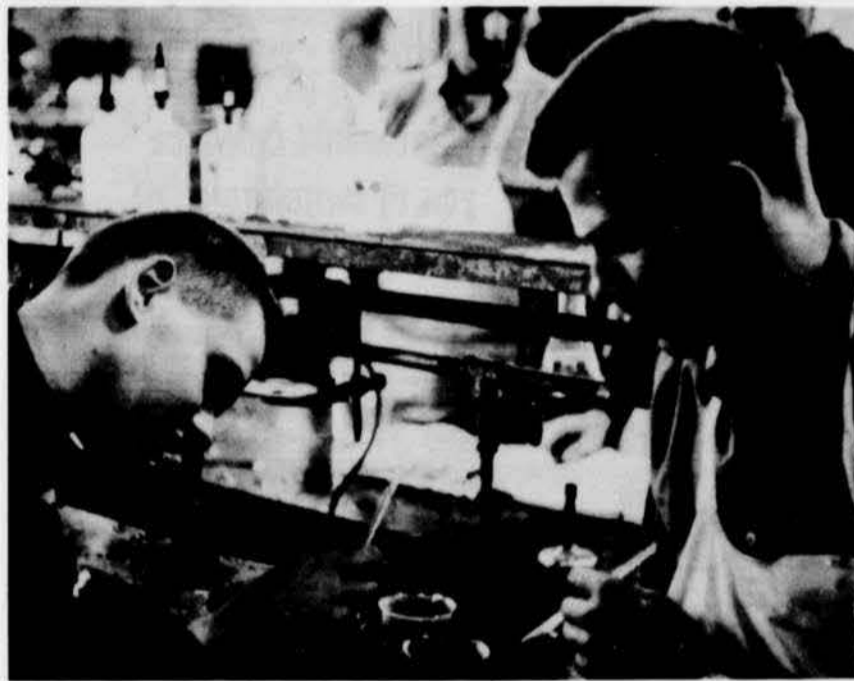
Mechanical Engineering graphics session



Christmas Orphans Party at Theta Chi

Glimpses of Frosh Life

BY THE TECH
NEWS PHOTOGRAPHERS



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Hockey Team Takes Opening Game—8 to 5

The Worcester Tech hockey team opened its season Monday with a thrilling 8-5 victory against Fitchburg State College. This game was doubly important because it was a league game and thus put Tech in a first place tie with Burdett College of Boston and Worcester Junior College who also won their opening tilts Monday night.

The game opened on a bad note for Tech as Fitchburg scored on the jittery Engineers after only nine seconds of the first period. But a minute and a half later Captain Bo Kuehn knotted the count on a rebound shot in front. The remainder of the first period saw the Fitchburg net peppered with a constant barrage of shots but no score was registered by either team.

In the second period, Tech started fast with a goal by Soph Jim Frappier from twenty feet out. Within three minutes Freshman Bill Baker found the range and Tech led 3-1. At about the 11:00 mark, another Freshman, defenseman Chris Bradbury picked off a rebound far out in front of the net and drove it home. With Tech now leading 4-1, Fitchburg put on the pressure and with just three seconds remaining in the second period, Fitchburg captain Marineau scored his second goal of the evening on a tip in.

The Fitchburg surge continued into the third period as Babineau got loose in front and fired a backhand by Tech goalie Dave McCaffrey. Shortly after that Marineau scored his third goal of the evening on a spectacular tip in on a shot from the point. With the score now tied at 4-4, the Engineers came to life again. At 8:00 Del Kimball fired a low ten footer into the nets to give Tech the lead again. Then at 12:35 Jim Frappier scored his second goal of the contest on a neat 15 footer. Then, Bill Baker took over the scoring show once more, scoring his second and third goals of the night within thirty seconds of each other. The big Worcester surge was stopped with twenty-three seconds remaining in the game when Marineau scored his fourth goal of the game. The game finished with the jubilant Engineers on top of an 8-5 count.

Coach Herbert Yankee was indeed pleased with the performance of his team. He was especially pleased with the passing and puck control that the team displayed. Onlookers said that the team looked better than any Tech team in at least the last three years.

Especially encouraging was the play of Bill Baker who made the "Hat Trick" in his first game in a Tech uniform. Besides his own scoring Baker

had an assist on Del Kimball's goal and missed by little on several other occasions. Also notable was the play of Bo Kuehn, who played with a bad shoulder, Rog Flood, who played an excellent defensive game, Jim Frappier who scored twice, Del Kimball, who played an excellent game offensively, and "Wolf" Valle who played a marvelous game on defense.

Tech's next game is with a newcomer in the league, Clark University. The inspired Engineers will be out to make it two in a row against the cross city rival. One sad point of the game was the lack of Tech rooters.

WESLEYAN WINS OVER TECH J.V.

On Saturday, December 1, the Worcester Tech Junior Varsity team took to the basketball court to face the strong freshman team of Wesleyan U. Despite the gala mood of the Tech men and their I.F. Ball dates, the Engineers lost their opening tilt. Even though the squad turned in a good performance the Wesleyan Cardinals prevailed by a score of 64 to 52.

The Cardinals, noted for their use of two different teams, each playing half the game, akin to the football two platoon system, played an aggressive game. Despite this the game opened rapidly with the Engineers keeping pace in the opening minutes. After four minutes had elapsed, the score was tied at 9-9 when the visitors hit for eight quick points. But on a combination of jump shots by Larry Phillips, Jeff Bailey and Ollie Silarais and a layup by Darrel Kost the game was once more tied at 17 to 17.

However, this did not last long. Wesleyan's frosh, capitalizing on a series of stolen balls, misplaced passes and aggressive rebounding, quickly widened the margin. During the last eight minutes in the half, only John Dyckman managed to score, and this was on a pair of foul shots. The buzzer ending the first half sounded with the Cardinals leading by a score of 30-19.

In the second half, Wesleyan was never seriously threatened. Although the Boynton Hill squad played far better in this half, the team from Connecticut maintained a constant ten point difference by scoring on fast break plays and "heads up" basketball. The final score of the game was 64-52 in favor of Wesleyan.

Tech's top scorers were Larry Phillips with 14 points, Ollie Silarais with 10 and Jeff Bailey with 8. The Cardinal's star was John Werle who

TECH DROPS CAGE TILT IN OPENER

Worcester Tech's basketball quintet was humbled in their opener last Saturday 78-55 by a strong Wesleyan cage team. Tech playing host to the visitors from Middletown, Conn. was thoroughly outclassed and outmanned by Wesleyan which used two separate units with equal efficiency.

Tech drew first blood in the contest when Co-Captain Hank Schroeder sent home an easy layup following the opening toss-up. Wesleyan wasted no time in asserting their superiority, however, as Steve Humphrey banged in six points from outside of Tech's zone defense. Tech fell behind 16-4 with five minutes of the action gone by, the lead was slightly lengthened at the half-way mark of the first period, 27-11, and the scoreboard showed Tech behind by 22 points at half time.

The visitors continued their devastating pace in the opening minutes of the second half. WPI then went into a full court press to halt the bombing that the visitors were doing from the outside, but this proved ineffective as "Winky" Davenport scored several quickies on feeds into the pivot. Hank Schroeder led the team to several brighter minutes in the second half as he scored 18 of his 24 points in this time. But all in all the superior strength and versatility of the visitors proved too much for the Boynton Hillers throughout the contest.

The visitors had twelve men in the scoring column and the overall shooting percentage for these twelve men was 45% whereas only seven of the Tech squad were able to score with a scoring percentage of 26%.

This year Tech's squad is a green squad and lacks the finesse of an experienced cage unit. Saturday, Coach McNulty seemed to be utilizing a number of his reserves in searching for the smoothest running group.

Co-Captain Jim Daily was unable to play Saturday night due to illness. His loss was sorely felt in the rebounding and scoring departments.

scored a total of 22 points.

Despite this initial loss and the loss of four out of five of last year's starters, including Dave Larue and Bill Zetterlund, Coach Merle Norcross is optimistically looking forward to the coming season. The team will be mainly built about the returning sophomores, Fred Thorn, Ollie Silarais and Larry Phillips. And even though it is still somewhat early, Coach Norcross mentioned that among the frosh jayvees Darrel Kost, Jeff Bailey, John Dyckman and Don Foley will probably see frequent action. If things go well the J.V.'s should have a good year.

GRAPPLERS SHARP FOR FIRST MEET

Again the start of another exciting wrestling season is upon us. The season opens this Thursday with Tech playing host to U. of Mass. at 7:30 in the Alumni Gym. They then travel on to Tufts Saturday, Dec. 8 to take on a supposedly stronger Tufts squad. These two matches should provide a good test for the Tech grapplers, for while the two schools do not represent the strongest teams on the schedule, they do present respectable squads.

This year, the starting line-up will host three new faces despite the return of 10 lettermen from last year. They are Trochez in the 123 lb. weight class, Kerrisey at 130, and Dresser at 167 lbs. Don Hazen, the regular 167 pounder, will not wrestle in these first matches due to a chest injury suffered in practice. He is not expected to return to the line-up again till January.

An interesting aspect that will probably change the complexion of the matches this year is the addition of a new rule. It states that, "When both shoulders of the defensive wrestler are held momentarily within approximately four inches of the mat or less, a predicament shall be scored." This new rule should force the grap-

plers to work harder for the pin, for the two-point predicament will now be awarded much quicker. It should also account for higher scoring individual matches, with the aggressive wrestler gaining the definite advantage. No longer can the defensive grappler afford to sit back on a slim two or three point lead, and try to last out the period, for with a reversal and predicament, one can now pick up four quick points and overcome the deficit.

The starting line-up for Thursday is: Trochez at 123 lbs., Kerrisey at 130, Clark at 137, Murphy at 147, Dreon at 157, Dresser at 167, Trask at 177, and Szymanski will wrestle heavyweight.

FRESHMEN TAKE FOOTBALL GAME

On Tuesday, November 13, two hundred spectators unhampered by snow and cold, watched the Freshman football team gain a hard earned victory over the Sophs by a score of 8-0.

In the opening minutes, the sophomores looked as if they were going to

See FOOTBALL—Page 8

SPORTS CALENDAR

BASKETBALL:

Saturday, December 8—Suffolk Home at 8:30 P.M.
Tuesday, December 11—Brandeis Away at 8:00 P.M.

SWIMMING:

Saturday, December 8—U-Conn. Home at 2:30 P.M.
Thursday, December 13—Trinity Away at 8:00 P.M.

WRESTLING:

Saturday, December 8—Tufts Away at 2:00 P.M.
Thursday, December 13—URI Away at 4:00 P.M.

HOCKEY:

Saturday, December 8—MIT Away at 7:00 P.M.
Friday, December 14—Wesleyan Home at 5:15 P.M.

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FOOTBALL—From Page 7

roll over their lighter foes. They took the opening kickoff on their own twenty and marched seventy-six yards to the freshman four. With fourth down and two yards to go, Jay Botop broke through to nail Bob Klauber in his own backfield for a three-yard loss. The frosh took over and moved the ball to midfield where they were forced to punt. The teams traded punts for the remainder of the half with neither team able to get anything going. The half ended with both teams scoreless.

The second half began much the same as the first half ended until midway through the 3rd quarter when the freshmen started to move. Taking a punt at their own 35-yard line they put together a sixty-five yard march for a touchdown. Cliff Wheeler set up the score with a nifty twenty-four yard jaunt to the one-yard line. Tom Brasiskas carried it over from there to give the Frosh a 6-0 lead. John Kopchick went up the middle for the two point conversion to make it 8-0.

Down by eight points, the sophs almost pulled out a tie in the closing minutes. End John Wright made a couple of nifty catches of a slippery ball good for 35 yards and a Soph first down on the 15-yard line. At this point time ran out on the hapless Sophomores, and they went down to defeat.

Ray Berry, Cliff Wheeler, Tod Wicker, Jay Botop, and Tom Brasiskas paced the freshman attack. Jim Moloy, Jack Valle, John Wright, Mike Cavanaugh, Bob Klauber, and Ed Pisinski looked good for the losers.

The victory gave the class of sixty-six their initial two points in the inter-class rivalry. They now trail the sophomores 6-2.

The lineups:

Freshmen	Pos.	Sophomores
Pete Bickford	LE	Jim Malone
Jeff Potter	LT	Carl Hanson
Jay Botop	LG	M. Cavanaugh
M. Mastroianni	C	C. Hunnicutt
Woody Adams	RG	Jack Valle
Ron Naventi	RT	Jim Molloy
Bill Baker	RE	John Wright
Tod Wicker	QB	Bob Klauber
Ray Berry	HB	Ed Pisinski
Cliff Wheeler	HB	Joe Walorz
Tom Brasiskas	FB	Frank Pinhack

TECH SENATE

On Tuesday, December the 4th, a noon meeting of the Tech Senate was held in the special dining room of Morgan Hall. The special guests at the meeting were President Storke, Dean Price, Fred Broad, and Bill Trask. Several topics were thrown open to discussion during the luncheon. The first matter that was discussed was the possibility of extending the Christmas vacation by one day through January 2. This would allow students more traveling time so as to avoid the dangerous New Year's Day traffic. No final decision has been reached, but there is a definite chance that classes may be cancelled on January 2. Other topics discussed were the school's public relations, student identification cards, seminars, dormitory food service, the assembly program, and the possibility of more scholarships for athletes. The meeting was especially beneficial to President Storke and the members of the administration who were present, as they received the opportunity to hear the student viewpoint in several main areas. The meeting was ended at 12:50 P.M. with President Storke's assurance that he would do his best to put many of the suggestions into effect.

PHYSICS COLLOQUIUM

Each Worcester Physics Colloquium may be described in general as a lecture by a noted Physics Professor and/or researcher. The lecture concerns some phase of this physicist's research or some specific field of physics in which he has been especially interested.

The last Colloquium was held in Olin Hall of Physics, Room 107, on November 26. The topic "Non-linear Effects in Ferromagnetic Resonance" was presented by Professor J. A. Weiss.

The next Colloquium will be held on Monday, December 10, in Olin Hall, Room 107, at 7:00 P.M. Dr. Raymond Goloskie, Assistant Professor of Physics at W.P.I., will discuss the topic "Integrated Proton-Proton Cross Section Near 100 Mev." A high energy proton may be scattered by a hydrogen nucleus in traversing a sample of liquid hydrogen. The experimental techniques necessary to measure the total probability of scattering of the incident particle from 6° to 84° will be discussed. Some consideration will be given to the method by which these data are analyzed to

learn more about the nucleon-nucleon interaction. Following the Colloquium those attending will be invited to visit the physics laboratories, and refreshments will be served.

On February 11, 1963, another Colloquium will be held at 7:00 P.M. at the College of the Holy Cross. Dr. Roy C. Gunter, Associate Professor of Physics at Holy Cross, will speak on "Automatic Focusing of Optical Systems."

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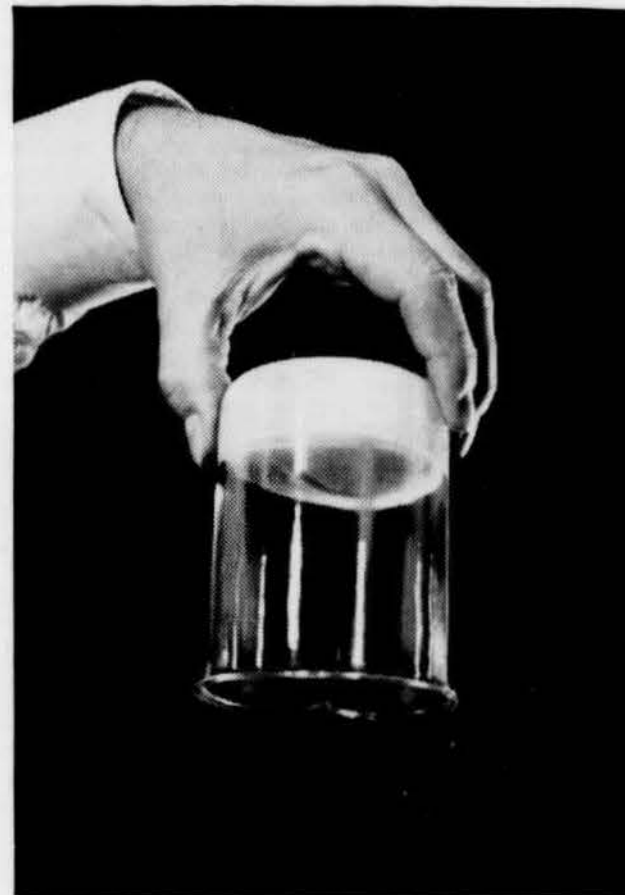
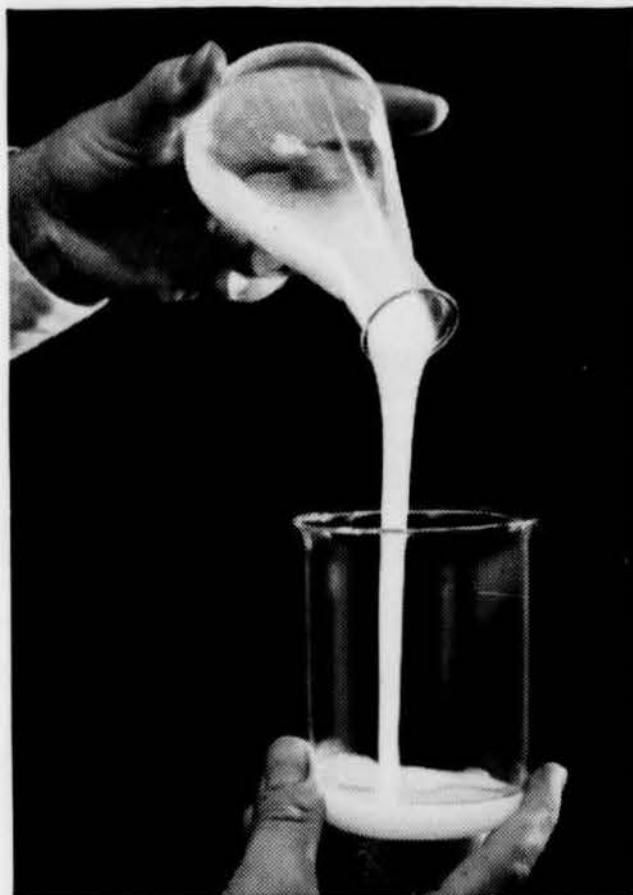
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