

## NATIONAL SCIENCE FOUNDATION CONFERENCE HELD AT TECH



LEFT TO RIGHT: DR. DU BRIDGE, DR. FOLSOM, DR. TEARE

### Prominent Leaders in the Research and Educational Fields Gather to Promote Original Thinking in Graduate Programs

On December 3rd and 4th W.P.I. was host to a conference on Research Goals sponsored by the National Science Foundation in co-operation with fifteen scientific and engineering societies. Forty-five of the top men in science education and industrial research gathered in the library of Olin for a series of discussions aimed at promoting ideas and suggestions for the encouragement of today's college student to strike out on his own on some phase of creative research. In the words of the syllabus of the conference, the question to be answered was, "How can young research scientists and engineers be brought more stimulatingly, imaginatively, and creatively into contact with the frontiers of science and technology in such ways as to accelerate significant discovery, both in the advancement of new scientific knowledge and in the translation of science into new technologies?"

After the basic problem had been defined, the talks and discussions began. President Bronwell, Conference Chairman, opened the program and then turned the conference over to an impressive array of speakers from the world of science education and industry. Dr. Harvey Brooks, Dean of Engineering and Applied Physics, Harvard University, was opening speaker. In reply to a query as to just what was basic research, Dr. Brooks answered that "If understanding is the main motivation, it's basic research. If technological need is the motivation, then it is applied research."

Dr. Edward P. Condon, Washington University Physics department chairman and director of the National Bureau of Standards from 1945 to 1951, lashed out at "weak American elementary school science instruction which limits the research situation." He pointed out that science must be promoted by gaining a greater respect for technology in the literary circles of the day. Dr. Condon was followed by several other equally as interesting speakers who gave their own opinions and ideas for solution of the problem. The morning session closed at 12:15 with lunch in Morgan Hall.

Dr. Richard G. Folsom, President of R.P.I., opened the afternoon program with a talk entitled, "How can the Scientific and Engineering Societies Promote Originality?" Discussion of the problem involved followed. President Bronwell pointed out that almost everything presented at the meetings of the engineering and scientific societies is in the past tense. Anyone who dares to venture beyond the boundary of accepted findings and project these findings into the future philosophically may find himself regarded as a charlatan. After this discussion a committee was appointed to draft a statement of the problems and recommendations.

On Friday, Dec. 4th, the second day of the conference, the question of what the colleges and universities should do to encourage students to strike out on their own was discussed. It was brought up more than once that the graduate student program is to cut and dry in regard to the course of study. A more flexible graduate program would be one in which the graduate student is allowed to attempt a really original direction of research if he so desired rather than

follow in the footsteps of a predecessor. A broader education in the field of science, void of a sharp boundary between departments, was advocated.

During the afternoon, the financial aspect of this frontier research was discussed. The conference closed at 4 P.M.

President Bronwell said that many of the societies plan to follow up the conference with their own exploratory ideas. He is at present preparing a report on the conference, which would seem to be a success judging by the comments of many of the participants who expressed the desire to see more such conferences held. Once again W.P.I. was chosen a focal point for a meeting of scientific and educational importance and we undergraduates can be justly proud of our Administration for the part they played in the conference.

A few of those not already mentioned who attended were: Dr. Lee DuBridge, President of California Institute of Technology; Dr. John Hollomon, Associate Director of Research at General Electric; Dr. Gerald F. Tape, Deputy Director of Brookhaven National Laboratory; Dr. B. R. Teare, Dean of the College of Engineering and Science, Carnegie Institute of Technology and President of the American Society for Engineering Education; and Dr. Linton Grinter, Dean of the Graduate School and Director of Research, University of Florida.

### HIGH SOCIETY ATMOSPHERE HIGHLIGHTED I.F. FORMAL



MISS DEANNE STEIMAN CROWNED "QUEEN OF THE BALL"

I.F. Weekend is now but a memory in the hearts of Worcester Tech men and their lovely lasses. A fine memory it is; Alden Memorial transported to the rooftops of the big city to become the elite Penthouse Alden. The Inter-Fraternity Council's Winter Formal could not help being a wonderful success, having strong participation from all the students.

Herbie Wayne and his orchestra provided the high society music to set the mood for the evening's festivities. The celestial bodies shown brilliant

among the slender silhouettes of the big city sky line. During the intermission all were treated to a smooth Dixieland Jazz Concert, also to the credit of Herbie Wayne's boys.

The most difficult chore of the evening was that of making the final selection of the After Six Queen from among the lovely ladies, representative of the ten Fraternities and Shield. Tau Kappa Epsilon's Queen, Miss Deanne Steiman of Worcester, was chosen Queen of the Ball. Deanne was escorted by Russ Fransen of Hartford, Conn.

### Seniors Complete 441 Job Interviews To Seek Placement

Mr. Trask announced the other day that as of December 11, 441 interviews have been held since the beginning of the interview season, December 1. At the same time he requested that the students register for interviews prior to the day the company will be on campus. The present sign up period which ends the day Christmas vacation begins is for those interviews scheduled between January 6th and January 15th. However in case of emergencies students may still register for interviews up to the interview date. However, from four days before the date, students take a chance in that they might not be able to fit into the schedule. At this time companies usually contact the placement office to determine the number of personnel they must send to the campus. The placement office also wishes to remind the students that the literature in the office is for students' own use and they may be taken out of the office at any time, except for material obtained directly over the counter from the office secretary. Some companies at this time were also interviewing Juniors for summer work. Juniors should keep abreast of this situation by regularly checking their department bulletin boards and the placement bulletin board in Sinclair Hall.

Mr. Trask again issued his invitation to the students to come in and see him at any time.

The Placement Office has released the following list of preliminary job interview dates and companies which will take part in the program during the next few weeks:

(This list is tentative as of Dec. 9, and is subject to change.)

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### Fuel Test Devised By Tech Instructor

Recently, K. D. Roettger, chemistry instructor at Worcester Tech was called upon, by the New England Timing Association, to devise a series of tests which would detect "hopped-up" fuels used by some overeager amateur racing drivers. This incident arose out of a new ruling restricting drivers to gasoline when participating in amateur sports car and drag races. The fact that fuels other than gasoline were being used became apparent when speeds and accelerations, above those to be expected from known engine displacements using plain gasoline, were being attained.

Mr. Roettger, who himself was once a professional racing driver, was more than willing to plan tests which would check amateur drivers and give everyone who participates in the contests an equal chance. While attending the ACS national meeting this fall he told the Division of Chemical Education that the most frequently used additives are methyl alcohol, nitro fuels (nitromethane, nitrobenzene and the like) and to some extent ether. He also related simple tests for detecting these various chemical additions: ceric nitrate for alcohols (after a water extraction), ferrous hydroxide for nitro fuels, iodine in carbon disulfide for ethers.

He has organized these tests in the form of a very complete kit which can be used by nontechnical men at the track to detect illegal fuels by color tests: red for methyl alcohol, reddish brown for nitro fuels and tan for ethers.

## EDITORIAL PAGE

# GRADUATION! WHERE?

To some of us here at Tech, speaking about graduation now, at so early a date, seems very impractical; that is, to every one except the seniors, because right now plans are being made for the graduation exercises for this year's senior class. For this reason, and before it's too late, I want to make a few statements which I am sure will voice the opinion of most of the seniors.

Last year the commencement program was held outdoors in threatening weather; with just a strong enough wind to make paper handling difficult; with just enough room on the platform to squeeze in the required number of people; with just enough nice uncomfortable clubroom chairs to result in awkwardness throughout the whole program; and with the unsureness of the seniors as to where they were supposed to be because rehearsals had been held indoors. The seniors were very disappointed last year. Can you blame them? But, they did have two tickets for guests if the program had been forced to return indoors to Alden. Even though many of us come from large families and have had both they and other relatives pay for our education, and, even though many of us have future wives and their parents who might want to see their "one and only's" commencement program, it would be possible to reduce the number of our guests to two! Yes, this is what was happening last year and we don't want it to happen again this year. Somebody up there pulled a boner, and it's excusable for once, but only once.

What if it had rained last year during the middle of the ceremonies? It would have been impossible to shift everything indoors without causing mass confusion. The guests would have ducked for cover waiting for the rain to stop. If it did stop those nice soaking chairs would have been waiting for them, and the decorations would have sogged away revealing the sad looking dirty platform that had been constructed. Doesn't this sound like a real dignified graduation program?

But then again, picture the commencement in the Worcester Auditorium. The huge and impressive hall which can seat generations of relatives, if desired, and which can be easily set up to meet the necessary requirements. Also it would be no more expensive than the program last year. The chairs are there; the stage is there with extensive room between it and the first row of seats; the P. A. system can be easily hooked up; the rehearsals can be held there; and the exercises should be there.

This is what the seniors want. Now, who are we? We are the ones who have done a lot of work to make it through this Institute. We are the ones who have handed out large sums of money to meet the costs required to study here. We are the ones who have maintained the school's reputation because of the many activities and athletics participated in at Tech. We are the ones who will even have to pay for our diplomas, and we are the ones who deserve to have the type of program that will best suit our wants. This is what we hope to achieve so as to produce the highly dignified atmosphere which should accompany a college graduation and which has been demonstrated many times by this Institute in all of its functions.

In the hopes of securing such a program, a petition is to be written and signed by the members of the senior class. It will then be presented to the administration with the hopes of being presented to the board of trustees whom, I trust, has

quite a bit to say concerning the commencement program. This petition will openly and simply express our yearnings and the reasons for them in order to make those responsible open their eyes to the obvious mistake that was made last year and to prevent its recurrence.—L.C.V.

## REGISTRATION

The announcement that registration for the second term would be held on Friday, February 12, 1960—the Friday of our semester vacation—was greeted with a great deal of displeasure by the student body. In my opinion, this procedure takes unfair advantage of the students. Vacations at Worcester Tech are few enough, without having them broken up by administrative details.

Undoubtedly, the administration has its reasons for inaugurating such a system, but I think that they have failed to realize the problems they are creating. It seems grossly unfair to expect those students living great distances from the school to return on Friday to register and then either return home or spend three wasted days in Worcester. The registration system has been made infinitely more complicated and time consuming already, and to return in the middle of a vacation will not make it any more pleasant.

I do not wish to criticize without also making a suggestion. Would it not be more practical to hold registration on the Friday afternoon of exam week? Everyone would be here and the advantages to an early registration which, apparently, the administration desires would be even more definite.

We certainly hope that the people responsible will give serious consideration to this problem. Its effect on student morale will, I am sure, be significant.—B.E.S.

## THINK WHAT YOU WILL

The population of this country is 160 million, but there are 62 million over sixty-two years of age, leaving 98 million to do the work.

People under twenty-one total 54 million, thus leaving 44 million to do the work.

Then there are 21 million employed by the government and that leaves 23 million to do the work.

Ten million are in the Armed Forces, leaving 13 million to do the work. Deduct 12 million, eight hundred thousand housewives who actually do nothing but housework, and that leaves two hundred thousand to do the work. There are one hundred twenty-six thousand in hospitals, insane asylums, and the like; and that leaves seventy-four thousand people, but! sixty-two thousand of those are derelicts or others who will not work so that leaves twelve thousand to do the work.

It may interest you to know that there are 11,998 in jail, so that leaves just TWO people to do all the work. Who would that be? Nobody but YOU and ME, and I can tell you right now—I am getting pretty tired of doing it all.

## CLUB NEWS

A.S.M.E.

The Worcester Polytechnic Institute Student Section of the American Society of Mechanical Engineers will hold its annual Student Papers Contest at the March meeting of the society. As in years past, the contest is expected to arouse considerable interest here on campus. The purpose of the contest is to select a candidate to represent Worcester Tech at the regional

contest to be held this year at the University of Vermont, on April 22nd and 23rd.

Student papers may be written on any subject in the field of Mechanical Engineering. Students interested in entering should start considering subjects now since the contest is not too far away and competition is keen. This high quality of competition has produced the papers which have put Worcester Tech in second place with regard to points scored in the regional contests during the last 8 years.

As prizes for the contest here at school, all students entering will receive a K&E. pocket slide rule. In addition to this the winner will be awarded his choice of an engineering handbook and be sent to compete in the regional contest at the University of Vermont.

Rules for the contest and entering procedure will be made available soon by Len Marcott, Student Papers Contest Committee Chairman. In addition to this, other pertinent information will be posted on student bulletin boards and appear in the TECH NEWS.

### Newman Club

The Newman Club held its first social event of the year Sunday at Our Lady of Fatima Parish Hall. The affair was a Christmas Party held in conjunction with the Newman Club of Becker Junior College. The event began with a living rosary composed of members of both clubs and led by the Chaplains Father Gannon of Tech and Father Gee of Becker. The rosary was followed by dancing, refreshments and singing of Christmas Carols. Ed Boduch, Jim St. Jean, Paul Cahalen and Bob Jamatis created their own combo especially for the occasion. The whole affair was presided over by emcee Bud Legall. The entire program was a huge success and a good time was had by all.

At a recent Board of Directors meeting the resignation of President Arthur LoVetere was accepted and Walter Pillartz was installed in his place as the new president. Then Secretary Stanley Strychaz was elevated to vice-president and Dave McGuinness was elected to secretary to fill Strychaz's slot.

The club is looking forward to the next meeting January 10, when Rev. John A. King of Holy Cross College will talk about the "History and Power of the Rosary."

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## Campus World

Columbia, Mo.—(I.P.)—The college student selects himself into the college of his choice. Therefore, any "get tough" policy in college admissions is meaningless. These statements were made recently by Dr. Lewis Mayhew, director of research at Stephen's College, in answer to the trend in many colleges to stiffening admission requirements. "The type of student a college gets is determined by the public image formed of the college," said Dr. Mayhew.

The public image tends to stereotype the college. Once the stereotype is formed it is difficult to change either by public relations, faculty changes, curricular modifications of changes in admission policies or standards. This public image, according to Dr. Mayhew, is formed by the informal communication channels of the college. In most instances impressions of the college are passed from present students to prospective students. In other ways the public gets an overexaggerated unified concept of an element of truth concerning a college.

"A college may become known as 'the school for egg-heads' and it will attract students, who are looking for an intellectual haven," said Dr. Mayhew. Other schools will become known as "glamour school," or "colleges for the rich," "colleges for the poor," or for their athletic programs, social activities or extra-curricular interests.

The student selects the college—not the college the student. The college gets the kind of student who will feel comfortable in its institution. "Any admission policy contrary to this concept is meaningless," said Dr. Mayhew.

## CLASS MEETINGS

On Wednesday, December 16, class meetings were held during assembly. Varied concerns toward different aspects of Tech life were demonstrated by the four classes during these meetings. The main concern of the Frosh and Soph classes dealt with the maintenance and possible improvement of class spirit. As we might expect, the junior class is found to be busy making the necessary preparations for the Junior Prom weekend. The senior class, looking ahead to graduation, is concerned with such matters as the senior gift, banquet, and the senior stag.

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## TECH NEWS

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By  
ATHENEOTROCOSPOLEMOS KEEGAN

With I.F. Weekend now a pleasant memory of the past the brothers of Theta Chi eagerly anticipate the upcoming Christmas vacation. Before the week is out and everybody heads home the OX men are planning to have their annual Christmas celebration with the traditional egg-nog to help issue in the festive season. As we look back over the last week we find that two brothers have been thrown out of the honorary bachelors' club. They are John Ryerson who gave his pin to Pat Cline and Howe Scholl who pinned Beverly Beatty. The OX clubbers would also like to extend their congratulations to Doug Kendrick who is now engaged to Ann Hadfield. If anybody strange had come into the house last week they would have undoubtedly thought they had just walked into a cigar smokers' convention. The real reason for all the cigar smoking was a double one; the stork had visited two of the brothers during the last week. To Stan and Rene Wilber was born a new baby girl and Chuck and Barb Burdick also have a new baby girl in the family. I guess there will be no more excuse for Stan and Chuck not getting up in the morning to go to early classes.

Recently at Phi Sigma Kappa a new slate of officers were elected. Congratulations to Paul Honer, our new president; Hank Hyde, vice president; John Powers, secretary; Jim Quirk, sentinel; and Ed Altieri, sergeant. Many thanks to the outgoing slate for a job—"well done." The highlights of I.F. Weekend at 11 Dean were the square dance and the Beatnik Party, complete with all the "fixin's." There was some doubt whether or not the xylophone would fit down the stairway to the gameroom, but with some on-the-spot engineering, the band got into orbit. The "cool sounds were absorbed by all; however, poetry reading by Brother Natale was voted down. The weekend had quite an effect on Dave Carlson; Paula Barbuto wore his pin home. The Phi Sigs are all elated over the new freshman pledge class. Hats off to Marty Akerson, Walt Arell, Paul Buma, Todd Ealand, Bob Mellor, Ali Smajkiewicz, Gordon Stern, Art Pratt, Ed Ruggeri, John Sistare, Jim Oliver, Ed Mulford, Jim Wagner and Ed Plaw. Massachusetts deer survived another season despite the efforts of Phi Sig hunters, but just let one walk down Dean Street—huh Pete?

Even though I.F. was almost two weeks ago, the whole brotherhood of A.T.O. is still talking of the wonderful weekend. There was a very good percentage of the new pledges at the weekend and from all appearances, they, and their dates, many of whom were home town girls at their first college weekend, had a very enjoyable time. As usual, very good attendance by the upperclassmen made all the activities very successful. Thanks go to Dean and Mrs. Hollow for the many hours they spent with us over the weekend. Congratulations are in order to Frank Droms for pinning Marian DeMaio. It took four years but it was worth it, wasn't it Frank? In an effort to make sure the new pledges had access to enough "date material" the Tau's last Saturday planned a mixer with girls from B.J.C., and several of the nearby hospitals. It was highly successful with many of the pledges meeting quite a few girls. In addition many brothers found a few new, and quite attractive, faces.

"Mount Einhorn" has passed away. One day it was here and the next it had just vanished. How, you ask, can a

fraternity house come and go like it was never there? I.F. Weekend just sunk the house into oblivion; the house shuddered from stem to stern by all the frolicking and carryings on of the Ape's and their dates. A cocktail party started off the weekend with a buffet following. The I.F. Ball was attended that night, "I think"; those that didn't attend were first on hand to hear the sounds of Boots Mussulli and his Modern Jazz Combo. Into the wee hours of the morning the Pi's cavorted and soon the morning sunrise was seen by all that were left. Lefty was the last to leave as usual, and Judy was thankful that she could finally get some sleep. Still, I wonder who those dozen guys were that Lefty was telling us about; it certainly was strange. Saturday was a day like any other day until "Goody" took the clan bowling. His score of 66 was by far the biggest moment of the entire day. It must have been a ball, huh Goody, even though most of the brothers averaged 85. That night the WPI manhandled Coast Guard to the tune of a sound defeat. Then the piece-de-resistance took place; the "Jungle Party" which everyone was looking forward to. Only the MONSTER, at the last minute, decided not to attend; he decided his presence was needed more at B.U. so he left our humble abode. When he returns we shall welcome him back. Only one sad thing came into being over the weekend. Stella Kazin dropped our guest from Fort Devens on his ear trying to show him Judo. He is all right but the Army is sending a request to the AEPi's to handle all future guests with extreme care.

I.F. Weekend at Sig Ep proved to be a real blast. Friday night Sig Eps were naturally out night clubbing at the "After Six" dance. This, everyone agreed, was one of the best ever. On Saturday afternoon the 11 Boynton Greeks got together with the Phi Kaps for a square dance at the Yellow Barn. There was, to say the least, a good crowd on hand. The walls of the place were really bulging, and everyone agreed that it was a perfect idea for a Saturday afternoon on a formal weekend. In the evening the troops were off to the basketball game to cheer the team in their highly successful opener. Then it was back to the house for an Out in the Ozarks Party. Party favors were (why not) miniature corn liquor jugs. Activities lasted till the wee hours, and in a sentence, the weekend was the greatest. This past Saturday the Sig Eps honored one of their famed brethren, Charlie (Gobbles) Godfroy, with a spectacular Gobbles Party. In keeping with the Gobbles tradition, everyone wore the nuttiest necktie that they could find. On Tuesday evening the 11 Boynton Greeks closed out the pre-Christmas social slate with a Christmas Party for the old folks. This is a tradition at Sig Ep; each year about 15 old folks are invited to the house for a little Christmas cheer in an effort to make their holiday a little brighter. Naturally Santa Claus was here to climax the festivities.

The past few weeks have been the most active in Lambda Chi's social season. The Lambda Chi's started swinging out at the Pledging Party November 21st with the aid of our brothers from Clark, Brown, and U. Mass. The party spirit had hardly a chance to recuperate over Thanksgiving vacation when I.F. Weekend came roaring in. The most sought after guest at the weekend was brother Alex

Pratt's bongo drums. Our most apt performer on the bongo's was brother Ted Cocca's date Pat. We understand Brother Dick Ledoux had a rough time of it at the rifle match Saturday morning after the night before. The brothers of Lambda Chi Alpha would like to thank Babs, Dede and Linda of Merrill Hall for their help in making these and other parties of the season a success. This past weekend Lambda Chi held a Waif's Party. Pledge Bob Elton played the role of Santa Claus in handing out presents for all the children. The Waif's Party was followed by our traditional Christmas Party. This was Lambda Chi's last fling till after Christmas.

Since Thanksgiving, many things have happened at the KAP. Elections were held on the 23rd of November and the following men were elected to house office: President—Carl Driscoll, Vice-President—Paul Allaire, Secretary—Bob Crook, and Treasurer—Charley Mello. The KAP is proud to announce the pledging of the following men: Bill Allanach, Norm Arsenaull, Fred Bartkiewicz, Paul Cahalen, Marcel Clavien, Bob Curry, Al Delima, Bill Dowdell, Charley Elfriech, Joe Freeman, Bob Grenier, Les Hart, Herb Head, Denny Heath, Bob Jamaitis, Fran Kennedy, Mike Littizzio, John Lojko, Joe Mancusso, Bob Maynard, Wally MacDer-

See **AMONG THE GREEKS**—Page 7

## WHERE ARE THE "YOUNG TURKS?"

Where is that traditional young American who takes the "Boy Wanted" sign out of the window and says to the boss, "I'm your boy"? You know the lad I mean. The bell-ringer, Up with the sun, Last to leave, Sweep the floors, Learn the line, Get to know the territories, Up off the canvas, Shoot for the moon, Watch my dust! We've had our bellies full of the play-it-safe boys. Where is that enterprising youth who's willing to stick his skinny neck out and make decisions? "He only has to be right 51% of the time to be a success," says Bruce Barton. America needs more Young Turks. (And more Old Turks who know how to recognize the Young Ones). The kind of man who parachutes into darkest Africa—and opens a chain of supermarkets in sixty days!

## NOTICE:

For those members of the administration or faculty desiring to have articles printed in the Tech News but finding it difficult to deliver the article to the News Editor, a box has been placed, for your convenience, outside the door of the Tech News office in Sanford Riley Hall. Hereafter the articles may be placed here instead of the Tech News box in Boynton Hall.

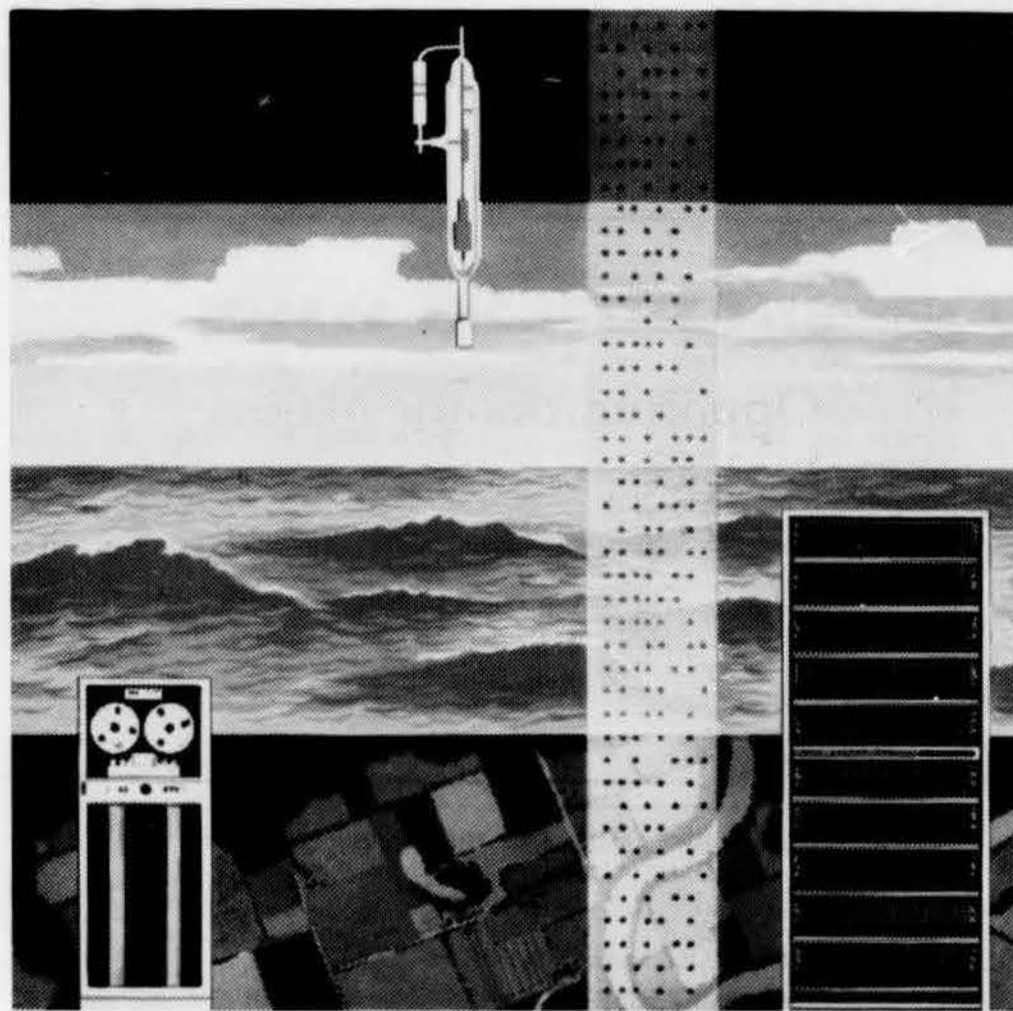
## National IFC Addressed By Movie Official

Eric Johnston, president of the Motion Picture Association of America, addressed the Golden Anniversary Banquet of the National Interfraternity Conference at the Waldorf-Astoria in New York on Friday evening, November 27.

His remarks about the status of education and the university in America today are significant and timely. Excerpts from his talk follow:

"As fraternity men, as college men, we represent a segment of America

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## COMPUTERS, CAREERS and YOU... after you join Western Electric

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Back row: Standing, from left to right, John S. Vale, Kenneth L. Mattson, Edward J. Russell, Joseph S. Kaye, Leonard L. Strzelecki, Robert B. Mulholland. Front row: Seated from left to right, Arthur J. LoVetterre, Robert C. Bearse, Jerry B. Gibbs, Barry S. Collins, Arthur J. Legall, Bruce E. Schoppe. Allen T. Reed was not present when picture was taken.

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## MILITARY SCIENCE DEPARTMENT AWARDS FOR DISTINGUISHED MILITARY & ACADEMIC WORK

Presentation of Military Science Awards was made at an assembly of the cadet brigade last Saturday, Nov. twelfth. The permanent "Distinguished Military Student" certificates, foremost of the awards, were given by Lt. Col. Bryan Cowan, head of the ROTC Dept. Those cadets receiving the certificates were: Cadet Lt. Col. Robert C. Bearse of Worcester, Cadet Col. Barry S. Collins of Springfield, Cadet Lt. Col. Jerry B. Gibbs of Clifton N.J., Cadet Capt. Robert B. Mulholland of Lynbrook N.Y., Cadet Capt. Allen T. Reed of Worcester, Cadet Capt. Edward J. Russell of Malverne, N.Y., Cadet Major Bruce Schoppe of Springfield, Cadet Capt. Leonard Strzelecki of Worcester, Cadet Capt. Joseph S. Kaye of Worcester, Cadet Capt. Richard A. Kischell of Newington, Conn., Cadet Lt. Col. Arthur F. Legall of Newington, Conn., Cadet Major Arthur J. LoVetterre of W. Hartford, Conn., Cadet Capt. Kenneth L. Mattson of Worcester, and Cadet Capt. John S. Vale of Malden.

Col. Cowan also congratulated eight of the DMS's whose applications for a commission in the Regular Army have been accepted. Upon graduation these men will be appointed Second Lieutenants in the Regular Army. The appointments are given to cadets who are considering making a career in the army, and usually provides them with better job assignments in the army. These cadets are: Robert C. Bearse, Barry S. Collins, Jerry B. Gibbs, Robert B. Mulholland, Allen T. Reed, Edward J. Russell, Bruce E. Schoppe and Leonard Strzelecki.

Also announced at the assembly were the names of the cadets who were awarded the "Distinctive Insignia for Academic Achievement" during the 1959-1960 school year.

Sophomores receiving these awards were: R. Allen, A. C. Andrews, N. L. Chivaroli, W. Frost, T. Furhovden, W. Goodrich, F. Hastings, R. Herrick, M. Kaufman, K. Laliberte, H. McGill, W. Reinert, D. Sanger, B. Simmon, J. Swicklas, A. Szwarc, W. Wadman, W. Warr, E. Weber, J. Wolenski.

Juniors receiving these awards were: W. Anthony, R. Dufries, J. Fay, D. Fredericks, J. Gabarro, N. Ginsburg, A. F. Greene, L. Hacket, A. Kamlet, S. Kazin, P. O'Shea, P. Rowe, F. Ver-Prauskas, C. Wilkes, and R. Zidziunas.

Seniors receiving the award were:  
See AWARDS—Page 7

## Nuclear Conference To Be Held at WPI

WPI will be host to the first state symposium on Federal Atomic Energy aid to small colleges. The purpose of the one-day conference is to explain AEC support of college projects to representatives of New England Colleges.

The conference will be held on Thursday, Dec. 17, 1959 at Olin Hall. The symposium was set up by the Massachusetts Atomic Energy Commission, and Governor Furcolo has extended an open invitation to other New England governors to send interested college officials from their states to the meeting. The conference is the first of its kind in the United States held on a local level for small colleges. The main topic of the symposium will be AEC grants for college projects in medicine, biology, reactor-development, isotope technology, and research.

Raymond I. Rigney, co-ordinator of atomic development for The Massachusetts Atomic Energy Commission is in charge of the symposium. Speakers scheduled for the conference will be: Dr. Charles Shilling, deputy director of the division of Biology and Medicine, AEC, George L. Glasheen, chief of educational services, AEC, Lincoln Clark Jr., business manager of the Nuclear Engineering Dept. at MIT., and Dr. Paul Blaetus, chief of the isotope technology branch, AEC.

Professor Joseph P. Zimmerman of the Economics Department conducted a survey of Massachusetts colleges for the Massachusetts Atomic Energy Commission which showed that many of the schools were not aware of the possibilities of federal aid. Mr. Rigney said that at least twenty five colleges will be represented.

WPI was chosen because of its central location in Massachusetts and because its nuclear reactor is nearing completion. This will allow the delegates a good chance to see the training reactor.

Thus far reservations have already

See CONFERENCE—Page 7

### TECH PHARMACY

S. HUROWITZ, Reg. Pharm., WPI '22

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salaries,  
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## Call Out For College Texts

It's been announced by the library that books in any of the following categories are needed by the Korean-American Scholarship Committee:

English Texts, Reference Books, Dictionaries and Encyclopedias.

The fields of General Science, Medicine, Engineering, Pharmacy, Mathematics, Law, History, Political Science, Economics, Agriculture, and Forestry are all important. English and American Literature, Foreign Language, Art and Music texts are also needed.

Only books which are in recent use in American college classrooms and libraries should be selected. Except in the case of literary classics, NO BOOKS PUBLISHED BEFORE 1945 should be included.

Do not include light fiction, mystery stories and the like.

These books may be left at the library for shipping.

**MERRY CHRISTMAS!  
HAPPY NEW YEAR!**

## BU Professor Speaks About Modern India

Today's assembly featured Dr. Amiya Chakravarty, Professor of Comparative Oriental Religions and Literature at Boston University, who spoke on "India and the Modern Age." The talk was very interesting and educational for it concerned different modern accomplishments in the political, agricultural, and industrial fields which have been achieved in India, and the numerous problems still facing the people and their government.

Due to his brilliant speaking ability in the fields of political, social, and international relations, Dr. Chakravarty has been the United States delegate to numerous international conferences dealing with Asiatic problems. He is a very close friend of Albert Schweitzer and Rabindranath Tagore. He was also a friend of Mahatma Gandhi.

President Bromwell has invited Dr. Chakravarty to attend a student forum at 4:00 p.m. but it is indefinite as to whether he will be able to attend as he is leaving tomorrow for India.

## Varied Books Now Available For Students

Mrs. Schoonover, the school librarian, has made public a list of books, recently acquired. From the following selections Tech students may find many hours of interesting reading.

Have you read, for example, *The Way Things Are* by P. W. Bridgeman, which pursues the implications that man can never get away from himself in his study of science and of human relations. *John Paul Jones* by Samuel Eliot Monson is another book which is well worth the time. This is a racy tale of scraps, exploits, and naval victories in the life of the foremost sea captain of the American Revolution.

*To Be a Politician* by Stimson Bullett reflects the trials and rewards of American public life. Still another, *The Communist Challenge in Business* by Clarence B. Randell is a small chatty book about the personal experiences in business and politics with warnings and predictions of the future. A book

that tells what it is like to spend your life as an employee of one of America's big corporations is Alan Harrington's *Life in the Crystal Palace*. For those who enjoy a clever satire, John Keats' *The Insolent Chariots* is very good and has to do with the design and advertising of the American automobile. A most interesting exploration into the cleavage of American class structure is the subject of Vance O. Packard's *The Status Seekers*.

A guide to modern social usage with special references to manners and customs that have altered since World War II, Amy Vanderbilt's *Complete Book of Etiquette* is also available. *Three Hundred Years of American Painting* by Alexander Eliot combines history and art into a fresh and vigorously written text containing two hundred and fifty full color illustrations.

Also worthy of mention are such books as *The War Lover* by John Hersey, *Advise and Consent* by Allen Drury, and *Doctor Zhivago* by Boris Pasternak.

In addition to keeping up with the latest books, the general library keeps on hand a long file of *Consumer Reports* which, each year, tests and rates hundreds of products from strawberry jam to hi-fi equipment. Also the librarian wants to remind the families of the faculty, staff, and trustees that they have automatic library privileges.

## Loyalty Oath Requirement Causes Issue

According to the National Defense Education Act a college student wishing to procure a federal loan has to file an affidavit that he is not a subversive. Many colleges feel that one oath is enough, and that it is an insult against one's integrity and love of country to require an oath be taken to secure a federal loan. So strong is the protest that 16 colleges refuse to take part in the \$30 million program, while others do so reluctantly. Especially strong criticism was registered by Harvard and Yale declaring the oath to be superfluous and discriminating against students. The controversial oath was compared to "the Oppressive religious and political test oaths of history, which were used as a means of exercising control over the educational process by church or state."

However, despite Harvard and Yale's stand, most of the other colleges receiving loans feel they can't afford to give them up due to the great number of students in need of financial aid.

President Eisenhower, who expressed concern over these conditions, promised to attempt to rectify the situation by recommending at the next session of Congress that the oath be repealed, for he too feels that "the basic citizenship oath is sufficient."

### PLACEMENT—From Page 1

- Jan.
- 6 Eastman Kodak Co. Ch.E., Chem., E.E., M.E., Phys.
  - 6 Colgate Palmolive Co. Ch.E., Chem.
  - 6 American Cyanamid Co. Ch.E., Chem.
  - 6 Kearfott Co., Inc. E.E., M.E.
  - 6 Esso Research and Engineering Co. Ch.E., Chem., C.E., E.E., M.E.
  - 7 General Precision Laboratory, Electronics, Phys.
  - 7 Esso Research & Engineering Co. (2nd Day)
  - 7 Eastman Kodak Co. Ch.E., Chem., E.E., M.E., Phys.
  - 7 American Cyanamid Co. (2nd Day)
  - 8 Hazeltine Electronics Div. E.E., M.E., Phys.
  - 8 Wyman Gordon Co. Ch.E., E.E., M.E.
  - 8 Stromberg-Carlson Co. E.E., M.E., Phys.
  - 8 Eastman Kodak Co. (2nd Day)
  - 11 International Business Machines Corp. 4:30 group meeting
  - 11 United Shoe Machinery Co. Research & Manufacturing (2 schedules) E.E., M.E.
  - 11 B. F. Goodrich Co. Ch.E., Chem., M.E.
  - 11 Hartford Electric Light Co. E.E.
  - 12 International Business Machines Corp. Ch.E., E.E., M.E., Phys.
  - 12 United Shoe Machine Co. (2nd Day)
  - 12 Bell Aircraft Co. Ch.E., C.E., E.E., M.E., Phys.
  - 13 General Electric Co. 4:30 group meeting
  - 13 I.B.M. (2nd Day)
  - 13 Chrysler Corp. Graduate School Ch.E., E.E., M.E.
  - 13 The Stanley Works M.E.

### Glee Club

The W.P.I. Glee Club will present a tri-school concert Wednesday evening at 8:00 P.M., featuring the combined voices of the Glee Clubs from Leslie College, Clark University and Tech.

This will undoubtedly be the biggest and best concert ever held at W.P.I. There will be instrumentation for some of the numbers for the first time, and Tech's own John Ostrowski will be featured as a soloist.

On Tuesday evening, the boys from Tech journeyed to Leslie College in Cambridge for a very successful joint concert which would seem to guarantee an excellent show tonight.

We hope to see you all at Alden Memorial this evening. Admission is free.

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### WPI R.O.T.C. Unit Visited By Colonel Sidney Davis; General William Verbeck

On November 10, Colonel Sidney S. Davis (pictured above), Professor of Military Science and Tactics at Northeastern University, visited WPI. He was given a tour of the ROTC facilities, observed ROTC instruction and visited Dean M. L. Price and Dean E. W. Hollows.

The WPI Signal Corps ROTC unit is the second largest in the country surpassed only by the Northeastern ROTC unit which contains about one-third of the Army's Signal Corps ROTC cadets.

Before his departure, Colonel Davis gave a brief talk to the members of the

WPI ROTC Cadre concerning the ROTC Training Program at Northeastern University.

Major General William J. Verbeck, Commanding General, XIII, U. S. Army Corps (Reserve) Ft. Devens, visited WPI on November 24, and was greeted by Lt. Col. Bryan Cowan, Professor of Military Science and Tactics, WPI. General Verbeck inspected the ROTC building and its equipment. In addition, he conferred with school officials, with the Distinguished Military Students, and with the army cadre stationed with the Military Science Department at WPI.

### Bill Summers Main Speaker At Fall Banquet

The annual tribute to Tech's fall sports heroes was paid on Tuesday night, December 8, in the spacious dining room of Morgan Hall Dormitory. The annual fall sports banquet each year brings the athletic and non-athletic students together to congratulate the members of the teams which bring glory to Tech and more important, teaches each of its members the importance of sportsmanship.

The program was opened as usual by Dr. Robert W. Pritchard, Athletic Director, who showing his finest wit, introduced the guests. Dr. Arthur B. Bronwell, president of the Institute, addressed the students and guests on the importance of hard work and good sportsmanship in life, using the famed Otto Graham as an example.

Following this, Coach Pritchard awarded varsity letters to the football players who had earned them. The letter was awarded to seniors Buster Bullock, Rog Cormier, Ron Pokraka, Dick Tufts, Tom Zimmie, and Al Reed, manager. In addition underclassmen Bruce Bazley, John Brylczyk, Paul Cultrera, John Czertak, Fred Duval, Ralph Johanson, Mike Littizio, Tom Maloney, Jack Pisinski, Moe Rees, and Paul Sledzik also received the honored award. Following the presentations, the team elected Paul Sledzik of Webster and Moe Rees of Kingston, Penna. to co-captains of next year's team.

Next, Coach Alan King of the Soccer team, presented awards to the Soccer team. Letters were presented to Tom Caste and Joe Venuti, Co-captains; Bob Clark, Don Dow, Charlie Ealand, Russ Fransen, Dave Goodman, Art Greene, Swang Lee-Aphon, Dick Mixer, Fred Riley, Ken Roberts, John Robertson, Bernie Tetrault, R. Zidziunas, and Bob Kischell, manager. The lettermen then elected Dick Mixer of Belmont, Mass. and Swang Lee-Aphon of Thailand, as co-captains of next year's team.

### I.F. Council Has Program For Pledges

On Monday evening, November 30, a Big Brother Seminar, sponsored by the Alumni Interfraternity Council was held in Alden Memorial. The purpose of the seminar was to make the pledges and also their big brothers in the fraternities more aware of their duties and responsibilities toward one another and to the fraternity itself. This event is significant on this campus since it is the first time anything of this nature has been held at WPI.

The program for the evening was divided into two parts. In the first part both the pledges and their big brothers were present. The meeting was opened by George V. Uihlein '45, the national executive vice president of Phi Kappa Theta, who represented the Alumni Interfraternity Council. The speaker for this part was Fred Ensinger, a graduate of Middlebury College and for many years the executive secretary of Kappa Delta Rho. In his speech Mr. Ensinger emphasized the importance of a man accepting every test of responsibility and ability that

The Cross Country team was then honored by Coach Merl Norcross in the absence of Coach Frank Sannella. Letters were presented to Joe Carpentiere, Tom Pantages, and Ed Powers, manager. Joe Carpentiere of Cromwell, Conn. and Tom Pantages of Marlboro, Mass. were named as co-captains.

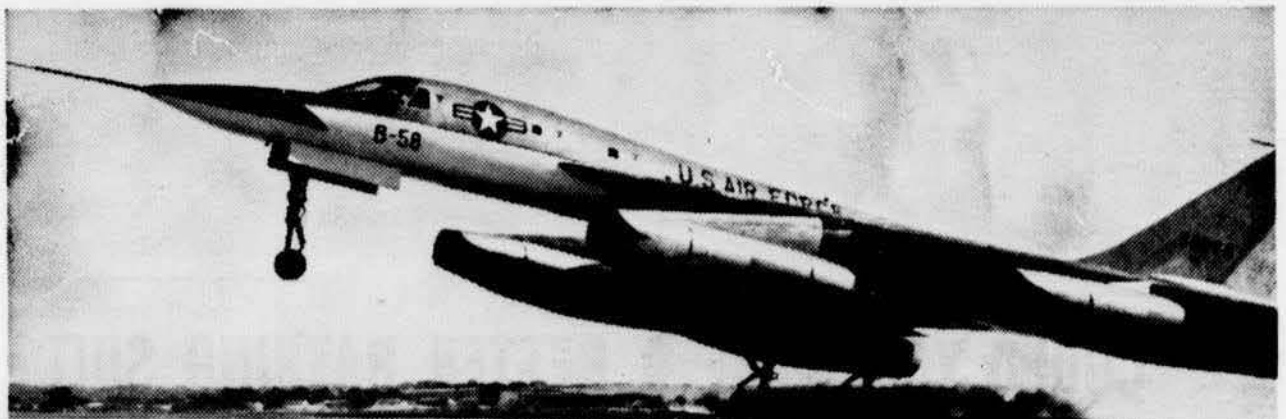
Awards were also presented to the cheerleaders Vin DeAndrea, Svend Pelch, and Ed Weber, by Coach Pritchard.

The evening was ended by an interesting talk by veteran American League umpire Bill Summers, who recently retired after spending many years as senior umpire of the league and who has officiated a great many World Series games. The story of some of his many experiences in the world of sports proved both humorous and educational to all those who attended.

is given to him, now while still in school, so that he might get to know himself and what his strong and weak points are, so that he can realize his own capabilities and try to improve his weaknesses.

The second part of the program was a panel discussion on scholarship improvement at which no pledges were present. This discussion was led by Robert Krovitz, a graduate of the University of Rhode Island, past National President of Alpha Epsilon Pi and present president of the National Fraternity Scholarship Association. The other members of the panel were Dean Downing, who spent ten years as a National Council Member of Phi Sigma Kappa, William R. Starkweather, president of the Alumni Corporation of Sigma Phi Epsilon at the University of Massachusetts and also Registrar of the same university. It was pointed out that generally scholarship is indicative of a chapter's over-all picture, and that the attitude and behavior pattern of members and pledges toward scholarship is usually identical. Another thing worth considering is that above average grades from fraternity members will curtail opposition from faculty, alumni, and parents, who all desire good grades, and it would also be good for publicity. Some of the suggestions for scholarship improvement were the setting up of a scholarship committee with the power to enforce study rules, progress reports from instructors, the recognition of achievement, minimum scholastic requirements for membership, lectures on attitude and study methods, and self-restriction if scholarship is poor.

**THE NEXT MAKE-UP FOR THE TECH NEWS WILL BE JANUARY 10, 1960 2 P.M.**



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an important career in the new Age of Space. As a college graduate, you will be given priority consideration for the Air Force Aviation Cadet Program. While openings are limited, you will be tested and advised immediately of qualification status. Find out if you measure up. Paste the attached coupon on a post card and mail it now.

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**U. S. AIR FORCE AVIATION CADET PROGRAM**

**AMONG THE GREEKS—From Page 3**  
mott, John McGrath, Fred Molinary, John Salerno, Tim Shea, Hank Schroder and Ted Zoli—Congratulations. The I.F. Weekend climaxed the activities. The KAP's Bachelor Club still has its pre-weekend quota. Woe for women-folk. Of course this doesn't include Paul Sledzik who did his pinning before the weekend. The lucky miss is Barbara Hauck. Brothers Yule, Socoli, Castriotta, and Duval, honorable members of the "Bird Dog Association," were each seen with their red-headed dates. Further inquiry indicated that there was only one red-head at the house. The essence of fraternalism. Brother Corvini got his big chance this weekend. He played "sick maid" for his ailing date. "Most fun I ever had," he declared. Brothers LaFontaine, Reisinger, Jolicoeur, Alaire, and Socoli put on a basketball exhibition at the game Saturday evening, but they couldn't seem to focus in on each other. Brother La Fontaine's peculiar cranium was dribbled downcourt a few times and it almost got two for the squad.

The Teke Temple now proudly boasts two colonels from the legions of the ROTC department. On 24 November we pledged Colonel Cowan into our ranks. Three of our alumni have in the past few weeks been rather active. Fred Reinhart, who has been paying frequent visits to the temple on weekends coming all the way from Philadelphia, Pa., passed out cigars last weekend to celebrate the loss of his pin. Joe Vivona has been working hard at his part as Assistant Province Supervisor. Last weekend he traveled to TKE chapters at UNH, URI, and RPI. He has planned visits to five of the other New England chapters in the near future. Eric Rorstrom has beaten everyone in being the first Worcester Tech Teke to get engaged. His future bride is our TKE sweetheart of last year, Priscilla Freeman. Work is rapidly progressing on our Founder's Day celebration, January 10th. Zeta Mu is fortunate in that its first anniversary as a chapter of TKE is also the 61st anniversary of the founding of Tau Kappa Epsilon. Our alumni, parents, and friends will all be present. P.S. The TEKE temple is now well protected against fire as we now have a fire extinguisher, color red, with four wheels and all the extras.

#### CLASS MEETINGS—From Page 2

At the freshman meeting, a committee was appointed to draw up a class constitution. It was announced that a committee of freshmen dormitory representatives would handle any complaints concerning student government. Plans for the Tech Carnival skit were discussed. Ted Zoli volunteered to take charge of writing up a suitable skit. Appointment of a director for the skit was postponed. Frosh chairman Bill Allanach closed the meeting by emphasizing that more interest should be shown in the Frosh-Soph interclass rivalry.

The sophomore meeting was opened by President Bazley. After the usual reports, plans for a possible sophomore dance were discussed. In view of the success of last year's dance, this idea was generally approved. It would probably take place sometime in February. An announcement that the freshman class had agreed to purchase those ill-fated bowties was then made. The rest of the meeting was taken up with a discussion of plans for the sophomore contribution to the Tech Carnival. Fran Goddu will direct the skit. It was emphasized that more interest be shown in this event this year.

The junior class meeting dealt mainly with plans for J.P. The Junior Prom Committee Chairmen were announced. The band chairman will be Dick Freeman with George Foxhall as project coordinator. Craig Rowley and Jack Gabarro will take charge of decorations while Bob Schuessler will handle refreshments. Tom Maloney will be publicity chairman and Connie Matuzek will take charge of invitations. Mel Keegan, J.P. Chairman stressed that "secrecy" be maintained concerning the

orchestra. Its name will probably be announced about Jan. 15.

At the brief senior class meeting, a motion to put a full-page ad in the yearbook was tabled pending an investigation of precedents concerning this matter. Paul Bayliss was appointed chairman of the senior gift committee. The senior class is still undecided as to what this traditional gift will be. The meeting was closed by President Biddle.

Class meetings are next scheduled for Jan. 20, 1960.

#### MOVIE OFFICIAL—From Page 3

which was once rather unique. In my own days—only yesterday, to be sure—a college education in our society was a matter of special privilege or special sacrifice.

"But today, America goes to college with a sense of urgency, and tomorrow, if our nation is to thrive and survive, an education in all the advancing areas of knowledge will be a matter of national necessity.

"The problems of leadership offer no simple solution as was possible in earlier times. Neither force nor the

threat of force will help us much. Instead we are called on for patience and wisdom, for sacrifice and total effort on many fronts.

"If we are to continue to lead, we must do so through the very difficult means of precept and example, through a breadth of vision and a singleness of strength.

"And if we are to be strong enough for such leadership, isn't it clear that we must recognize our weaknesses and root them out—because only by doing so can we build our strength?"

Among the seven principal areas of weakness in America today, Mr. Johnston listed the neglect of education.

"Now here is the most peculiar of sins, the neglect of mass education, of the school in this great land of ours. Mass education was our own invention, perhaps the most noteworthy since the foundation of this republic.

"But how has it fared in recent years? I trust that you have heard of the crisis in American education, the critical shortage of school rooms and teachers and facilities for our hopelessly expanding population. In fact, I

don't see how anyone who has picked up a newspaper in the past ten years could escape the news of this chronic crisis.

"Three years ago we were short 159,000 classrooms, short 160,000 school teachers, and this at a time when school enrollments were increasing at the rate of 1,250,000 students a year.

"Then came Sputnik and later the Soviet moon strike. Surely these should have shaken us out of our national indifference to the national school crisis. But did they?"

"Today, in 1959, our shortage of teachers is 195,000. We are still short 140,000 classrooms. And our annual enrollment has increased by another 100,000 to 1,350,000 a year.

"While we are losing ground, the Soviet Union is engaged in a forced-draft program of education. This is one of the weapons on which it most counts to match us, to catch us and to pass us.

"How much longer can we afford this sapping of our strength through the sinful neglect of our schools?"

#### AWARDS—From Page 4

L. Gibbs, R. Letteney, A. LoVetterre, R. Mulholland, E. Russell, B. Seastrom, L. Strzelecki, and W. Talbot.

This award is given to cadets who are in the top ten per cent in each class, as determined by the cumulative average of their ROTC grades for the preceding year. The award is a gold wreath which is worn on the right sleeve of the uniform, and is worn during the year following the year in which it was earned.

#### CONFERENCE—From Page 4

been received from American International, Boston University, Wellesley, Merrimack, Boston College, and Boston State Teachers College. Many applications are yet expected.

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## INEXPERIENCED HOCKEY TEAM SHOWS PROMISE

The Worcester Tech Hockey Club saw its initial action of the 1959-60 season last Wednesday night in the form of a jamboree held at the Worcester Arena. The teams participating in the jamboree were the members of the newly formed Worcester College Hockey League. As the program for the night was set up each team was to play one period with each of three teams. The three teams with which the Engineers matched skills were Nichols, Holy Cross and Assumption.

The starting lineup for the Techmen was as follows. At the wings Ralph Smith and Roger Flood were centered by Brad Hosmer. On defense were Paul Jolicoeur and Pat Williamson. The goaltending was split evenly between Art Ross and Bill Krein.

The first match of the evening was with Nichols. The men from Dudley drew first blood with a tally midway through the period. From this point on the game see-sawed back and forth with neither team getting many scoring opportunities. Late in the session Brad Hosmer passed to Ralph Smith on a breakaway and Smith tucked it away tying the score. The period ended without further scoring.

Meeting the crosstown rivals, Holy

Cross, in the second tilt the engineers were outscored 1-0. The Boynton Hillers looked better and seemed to be getting the feel of playing together as was evidenced by improved pass-work. On the other hand Holy Cross showed some real class and will be a team to watch.

To wind up the evening the Engineers faced Assumption. Neither team could seem to get going as was evidenced by the final score, 0-0. In the goal Art Ross, a freshman, made several fine stops and in general looked sharp. Some reserves performed well. Among them were Al Andrews, Dave Carlson, and Paul Roseen.

All things accounted for, the performance of the team in the Jamboree was creditable. It must be realized that none of the lines had played together before this season. This is a distinct handicap and can only be overcome by time and experience. However, the talent and interest is there and the future, both this season and for seasons to come, is bright indeed. The past two years have seen more freshmen try out than ever before. In fact, past seasons have seen less men from all four classes try out than the total candidates from this year's freshman

See HOCKEY—Page 9

## Tech Gains Win Over Jumbos For 2-0 Record

The W.P.I. Engineers, fresh after a win over a strong Coast Guard team, whipped the Tufts Jumbos in Medford 65-56. Early in the game the Engineers looked like they were in trouble trailing through the first six minutes, but they finally caught fire with the fine shooting of Co-Captains "Buzz" Biddle and Fred DiPippo. Aided by the fine playmaking of Andy Edelman and the tough board play of Bob Schuessler, DiPippo and Biddle hit for ten points each in the explosive first half. Although Tufts had the advantage in height Tech's speed literally "ran them into the floor." Freshman center Henry Schroeder then came into his own and began to control the rebounds. This is Schroeder's second year playing basketball and with a little more experience and practice, he should develop into one of Tech's outstanding ball players. With DiPippo hitting from outside Tufts' zone defense and Biddle's sharpshooting from the corners, Tech gained a 31-27 lead at the intermission. Once in front, the Engineers steadily increased their lead to as much as 14 points in the last five minutes. Mainly responsible for this 14 point lead was DiPippo who hit for 6 straight points to insure the Engineers of their victory. Coach Charlie McNulty then cleared the bench and the second-stringers came in and showed their stuff. Led by Roger Curtis, Al St. Germain, and Charlie Elfreich, they held the Jumbos to gain the season's second win.

High scorers for Tech were Co-Captains Biddle and DiPippo, each hitting for 19. Andy Edelman hit for 9, Henry Schroeder for 8 and Bob Schuessler chipped in with 3. This win gave Tech a 2-0 season so far and by the looks of things it looks like another fine season for the W.P.I. cagers.

## Tech Rifle Team Downs U. Mass., Record Now 3-1

Worcester Tech rifle team last week boosted their average to three and one by downing U. Mass. at U. Mass. The team had a total score of 1368 as opposed to 1336. High men for Tech were Dick LeDoux and Norm Ginsburg, with totals of 278 and 277 respectively. High men for the U. of Mass. were Moses and Christmann whose scores were 273 and 271 respectively.

Previously the Engineers have defeated Brown University and Boston College. They have lost to the University of Connecticut. The next match takes place in Boston against the highly rated Northeastern University squad. Sgt. Yopchick feels that this is one of his best teams since the Hearst trophy winning team of 1953.

"We regret that because of our limited facilities at the rifle range, it is impossible for W.P.I. to conduct home rifle matches. When the new field house is built, it will contain a range that will allow W.P.I. to conduct home matches. Until this time arrives, we will have to be content to travel around New England and beat our opponents at their own ranges."

## UNDEFEATED TECH FIVE NIPS TRINITY IN THRILLER

The W.P.I. cagers in a fine display of marksmanship and basketball knowhow ripped a very potent Trinity College five 70-68 in Hartford, Saturday night. It was a nip and tuck battle all the way with only a slight 5 point margin separating the teams at one time. The triumph was the Engineer's third of the season and Trinity's first defeat. Although Trinity was taller, Tech showed spectacular desire and speed rallying to their win.

Trinity started like a ball of fire lead by their star forward Johnny Norman who scored six quick points, in the first few minutes. Tech finally broke the ice with Bob Schuessler's jump shot from the corner. It was here that co-captain Buz Biddle caught fire and pumped in three baskets to even it up. From here on in it was basket for basket. For a while it looked like Tech was playing seven men instead of five because the officials seemed definitely against them. In fact they called only one foul against Trinity in

surge led by the dead eye of Fred DiPippo. He broke the Trinity defense with his hard driving and spectacular jump shots from the outside to score 13 points in the last ten minutes. With two minutes left the Engineers were behind 64-66, but DiPippo hit with a jump shot to tie the game. Al St. Germain then broke the deadlock with a free throw and now was the time for Tech's key play. As Trinity brought the ball up the floor, DiPippo took it away on a spectacular steal and passed to Biddle who was standing alone under the hoop. He hit for the two points and this clinched it. DiPippo then hit with a free throw to win it 70-68.

The game was hard fought all the way and the many fans who journeyed to Hartford from Tech were completely exhausted after the excitement. It was a fine tribute to the team and they were inspired by the cheering crowd. There were many heroes for Tech led by Fred DiPippo who led the scorers with 22 points. Andy Edelman was brilliant in his playmaking and scored 9 points. Co-Captain Biddle hit



the entire first half. Trinity's total game fouls was six as compared to Tech's fifteen. At the half Tech was in the lead 37-35 due to the sharpshooting of Buz Biddle who scored 10 of his game total of 18 points during the last ten minutes of the first half. Helping Biddle under the boards were Henry Schroeder and Bob Schuessler who were giving Trinity's big men a go for their money.

In the second half Trinity recovered and began to hit and at one time, later in the third quarter, led the Engineers by five points. Tech, however, came back with a tremendous winning

for 18 and was immense under the boards along with Bob Schuessler and Hank Schroeder who had three and ten points respectively.

All in all it was a great win and should inspire the team in their two games this week with MIT away on Tuesday and Merrimack at home on Thursday. Let's all be at the gym Thursday night to cheer this fine basketball team on to victory.

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## TECH STARTS SEASON BY SINKING COAST GUARD

Led by co-captains "Buzz" Biddle and Fred DiPippo the Tech team found the range early and often and went on to whip Coast Guard 77 to 66.

Biddle got 18 of his game high total of 24 points and DiPippo all of his 20 during the first half as Tech stormed ahead from a slow start to lead at half time 49-31.

At the beginning of the game things looked gloomy for Tech's hoopers as Coast Guard jumped into a 10-2 lead. As was mentioned earlier this lead didn't remain for long once Biddle and DiPippo started hitting. With Schues-

ler's sharp ball handling and pass play the score was soon squared off at 12 points each. The engineers continued to hit and went ahead 18-12 until Coast Guard converted to a man-to-man defense. From then on until right before the end of the half the two teams traded basket for basket. In the closing minutes of the first half Tech chalked up ten quick points to lead at

half time by 18 points, 49-31. The Boynton Hillers weren't as sharp during the second half as they were during the first half, evidenced by the fact that Biddle only managed to add 6 points to his total while DiPippo failed to connect at all. Things never got serious though as Tech held at least a ten point lead throughout the rest of the game.

Perhaps just as interesting as the actual results of the game was the observation of promising talent from sophomores and freshmen. Henry Schroeder, playing his first college

## J.V. Basketball Team in Slump, Season Doubtful

The W.P.I. J.V.'s have been very disappointing so far this season. The team has been cut down from the original 40 candidates to the present team of 12 men. Captained by sophomore Bill Borla, the team looked fairly good during pre-season scrimmages.

The first game against C.G. was one of disappointment for the team and for Coach Norcross. Although at a slight height disadvantage, it was not the rebounding that hurt us. The team, which trailed the entire game, just couldn't seem to get a hot streak going. They weren't hitting from the outside and the Coast Guard defense wouldn't let them in for the layups.

Midway through the third quarter the team livened up and closed the gap to about 5 points. However, they could not keep a sustained drive and the final score was C.G. 55, W.P.I. 48. High men for Tech were Turnquist 11, Daily 8, and Keirstead 8. Fraiser 16 and Pochman 15 were high for C.G.

The second game with Tufts was similar to the first except that the Tuft's J.V.'s were better offensively than the C.G. J.V.'s.

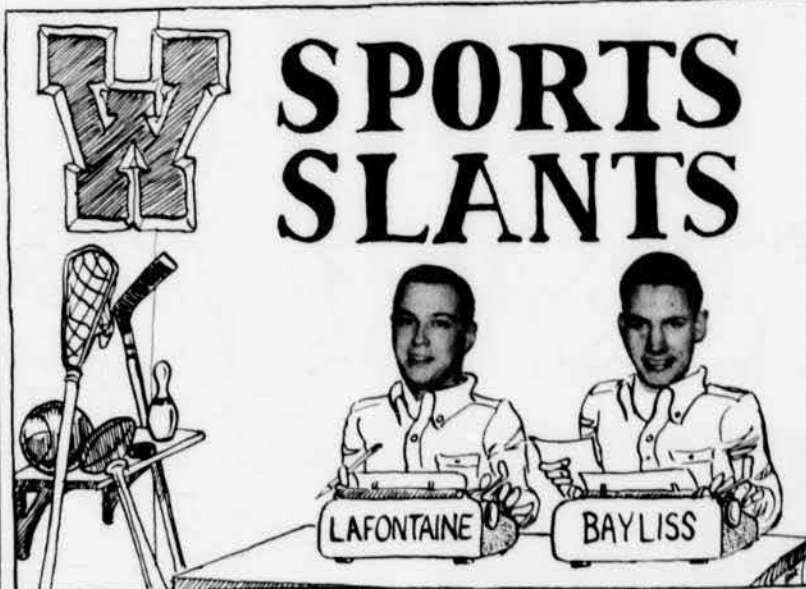
The Tech J.V.'s scored 49, about the same as they did against C.G., but Tufts scored 86 points, which is very high for a J.V. game. The morale of the team was extremely low and it showed during the next practice. Coach Norcross worked mostly on defense, realizing that Tufts' 86 points showed a definite weakness in our defense. High men in the Tufts game were MacDermott 10 and Magaldi 9.

The Trinity game, although the final score doesn't indicate it, was a little heartwarming. During the first half the team completely outclassed and outplayed the Trinity J.V.'s, at one point leading by 11 points. However, as fate has it, they were outscored by 33 points for the remainder of the game. The final score of 75-53 left us with a 0-3 record for the season. High men for Tech were MacDermott 14 and Capt. Borla 13. Keen 18 and Hoerr 17 were high for Trinity.

These J.V. teams that we have played are by no means the best of the teams on the schedule. I'm fearful of what teams like B.U. and Northeastern will do against us if we don't improve a great deal in a short time.

If the team plays like they did against Trinity in the first half, things may start looking up. They'll never win without support from their buddies, so let's support the J.V. team whether win or lose.

**HOCKEY—From Page 8**  
class. From this it is evident that hockey is growing rapidly and deserves more recognition than it now receives. Certainly it is known by all that a team's performance improves tremendously with student support. Nothing makes a team want to win more than a large enthusiastic group of fans. To be sure, it is an inconvenience to travel all the way to Webster Square to see the hockey team play, but the team needs the support just as badly as any other team does. The next game is at the Worcester Arena with Holy Cross on Wednesday, December 16, at 9:30 P.M.

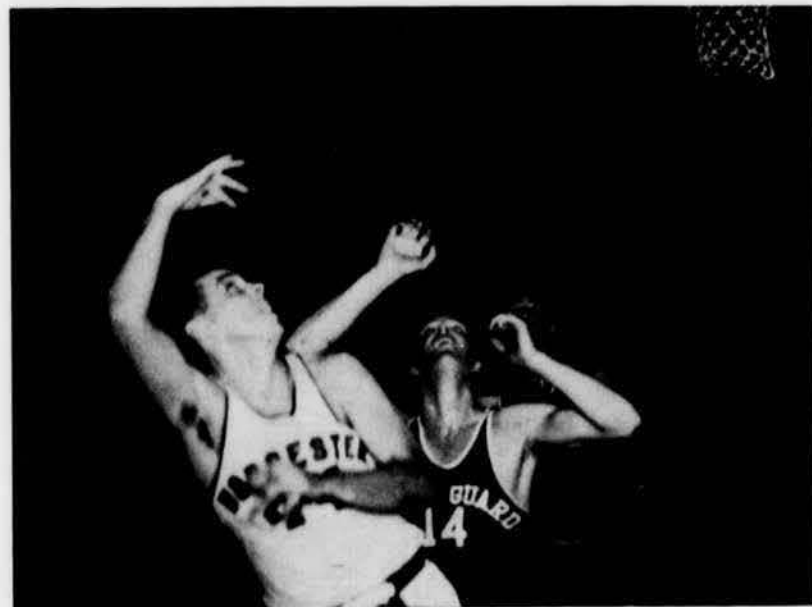


Well it looks like Tech's basketball team has another winning season on its hands. We don't mean to be too optimistic about this season, but winning three consecutive games is awfully impressive. The team in past years has always seemed to own up to a so-so away from home record, whereas the Tech five have always looked good on their home court. Judging from the smooth win over Coast Guard, in front of a joyous capacity throng, Coach McNulty's boys could very well do the same in past years and come up with a victorious home season. Their somewhat harder victories over Tufts and their spirited comeback over Trinity proves that the Engineers possess the ever important will to win and it looks like they want to continue their good record of last year. If they can fight as hard as they did last Saturday night in Hartford against Trinity the team can bring home the bacon for almost every away game. If this materializes Coach McNulty will have the honor of his team winning the small college city basketball crown again this year. Holy Cross and Assumption are doing real well this season and nothing at the present time has been heard from Clark. One advantage the Boynton Hillers have over Assumption is that the Greyhounds have lost many of their stars through scholastics.

Co-captains Fred DiPippo and "Buzz" Biddle have contributed much to all the victories. These two guys rack up the points in the first half of the game, then the rest of the team seems to take it from there. Andy Edelman on the other hand has been looping them through like last year. His maneuverable ball handling is still good though, if not better. One coach said that Andy is waiting for the night when either Fred or Buzz goes cold and then he'll start popping them as if they were going out of style. It seems as if Coach McNulty has himself a real find. Rumor has it that freshman Hank Schroeder has only played ball for about a year before coming to Tech. If this is the case he certainly has some know how, for he looks right at home around the key. Although he isn't a six-six giant he's been snagging them off the boards right along with Al St. Germain and Bob Schuessler. Little Roger Curtis has also looked good. Could it be that he'll come through like DiPippo? Let's hope so! All in all Coach McNulty has the makings.

What about the Hockey Club? We dropped in the Worcester Arena and witnessed the Hockey Jamboree last Wednesday evening. The blademen tied an aggressive Nichols club 1-1 and likewise tied Assumption 0-0. In the third game Holy Cross proved to be a little too sharp for the Engineers and won the tilt 1-0. A maze of new faces is populating the team this year. Last year's graduation took its toll. The first line retains some veteran players, however, like Captain Brad Hosmer, "Poof Poof" Jolicoeur, Pat Williamson and Ralph Smith. The goalies, this year, Bill Krein and Art Ross, are doing a better job than "Red Light" Cohee of last year's fame. It's our opinion, however, that the stickmen need to be a little more aggressive. That black puck sure did get stolen quite often last Wednesday evening. If the club can come through and have a winning season like the one last year it could very well come to pass that team status on the Tech campus would be granted to them.

Tech sure is giving Tufts a hard time this year. First we stomped on their toes in basketball, and now Prof. Ray Scott's matmen outbully them on the pads. Last Saturday, the boys outpointed Tufts 18-16 at Alumni Gym. Every now and then we drop in at the equipment room over at the gym. Prof. Scott sure has trainer Lee Jansson on the move. It seems as though minor injuries are causing a few grey hairs. The whirlpool and a good amount of tape are being used. Wiry Bob Curry can be seen every now and then on campus with his crutches. The club will sadly miss this scrapper on the mats. Moe Reese's stamina doesn't seem to be impaired after a pretty rough football season. This engineer certainly got more than his share of bangs and yet he keeps coming back for more.



IT'S A BIRD, IT'S A PLANE, IT'S ???

sler's sharp ball handling and pass play the score was soon squared off at 12 points each. The engineers continued to hit and went ahead 18-12 until Coast Guard converted to a man-to-man defense. From then on until right before the end of the half the two teams traded basket for basket. In the closing minutes of the first half Tech chalked up ten quick points to lead at

basketball game, showed potential as a good pivot man and with some practice could become a fine rebounder. Two men up from last year's J.V. team, Roger Curtis and Paul Engstrom, also proved themselves to be valuable members of the team. In fact, Roger Curtis, with his fine ball handling and play making, may prove to be just the man to fill DiPippo's shoes!

## Wrestling Club Outpoints Tufts Matmen 18-16

The Worcester Tech Wrestling formally started its 1959-60 season on the right foot last Saturday by downing Tufts, 18-16, in the home opener. There was a sizable crowd on hand at the Alumni Gymnasium to witness the exhibition of "brains and brawn" and they were not disappointed. Showing

much enthusiasm throughout, the crowd had a great deal to do inspiring the team on to victory.

The day's festivities began in the 123 lb. class. Freshman Kit Marcy making his debut on the intercollegiate wrestling front, was decided by Jack Gillespie of Tufts. Marcy made an impressive showing but due to a shoulder injury received earlier in the match, his opponent was able to remain on top throughout and gain the decision with a time advantage. The second match saw Tech gain five quick points when John Lewis was awarded a forfeit victory as his opponent could not make the proper weight. One of the most pleasant surprises of the day occurred in the 137-lb. class where Bob Murphy, another freshman making his debut, quickly pinned his op-

See WRESTLING—Page 10

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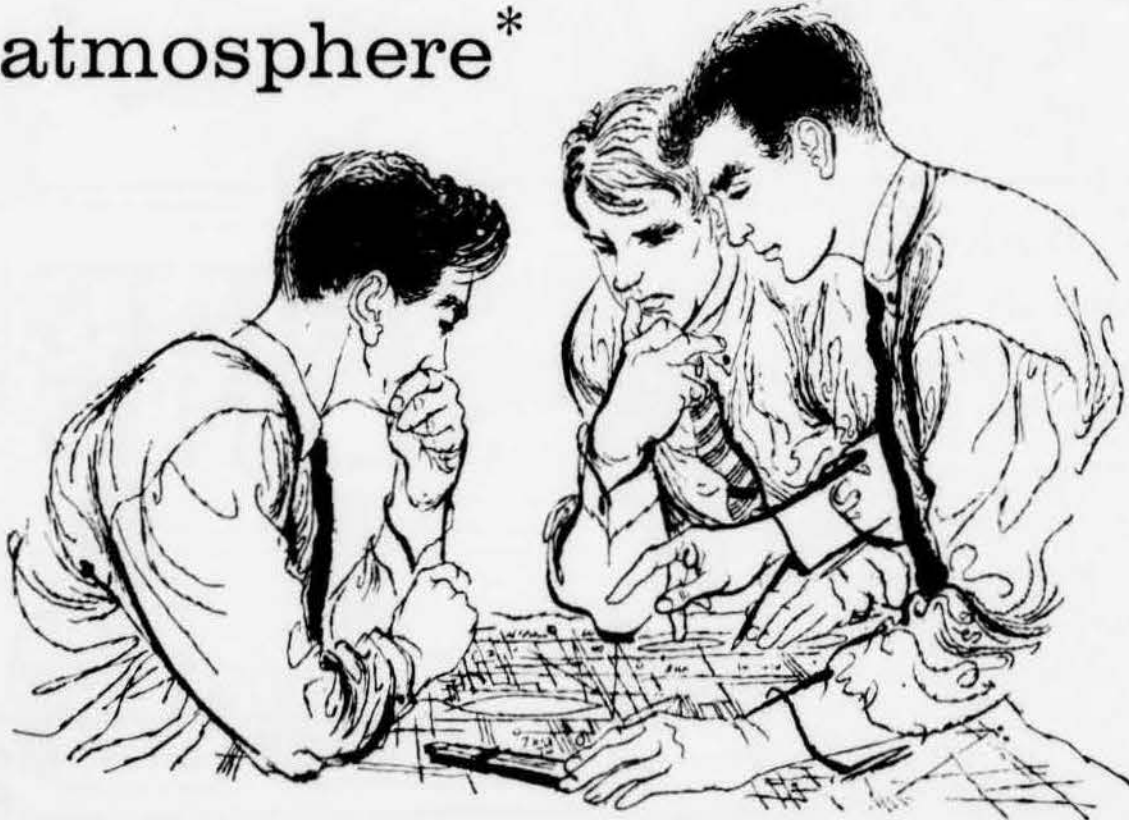
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Wednesday, January 6



WRESTLING—From Page 9

ponent in the first period for another five points. The next match, one of the most exciting of the evening, saw sophomore Dick Jewell struggle gamely but in vain as he was finally rolled into a pin by his opponent. Jewell showed much talent and gained many points throughout the match but he was finally worn down and pinned. In the 157 division, Charlie Mello was outpointed by Roger Sides of Tufts in a closely contested match. At times it seemed that Mello was a victim of bad breaks as he had several crucial holds broken by the referee for fighting too close to the edge of the mat. With any luck at all this could have easily been another Tech win. As the weights increased the action became more furious. In the most exciting and talented match of the evening, Capt. Moe Rees lived up to his reputation. His opponent had a great deal of experience but Moe literally wore him into the mat in the third period and pinned him to give Tech another five valuable points. In the next match, junior Dick Davis, who weighs but 167 lbs. and was forced to fight a man nearly 10-lbs. heavier, found his outlook very dark. But Dick quickly proved his worth and took command all the way as he outpointed his opponent. In the final match of the day, Tom

Conway, a sophomore wrestling for the first time ever, was outwitted by his experienced opponent and then pinned.

Coaches Hap Weaver and Ray Scott were elated with the performance of their squad in winning their first match. Victory was achieved despite the fact that several members of the team were wrestling against this grade of competition for the first time and despite the fact that a vital part of the machine was missing due to injury. Victory was achieved despite the fact that Tufts has had an established Wrestling Team for over one quarter of a century whereas Worcester Tech is only entering its third year with such a squad. It was a sweet victory and one which will doubtlessly be repeated many times in the future. For with every match the new men gain much needed experience and as the season progresses, they will add a great deal of solidity to the club.

The next match will take place this Wednesday evening when the squad travels to Amherst to meet the University of Massachusetts' Redmen.

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