

WHITE SPEAKS AT SPORT'S BANQUET

ATO Invites Campus for Anniversary

Fifty years ago, the Alpha Tau Omega chapter was officially chartered here at Worcester Tech. In honor of this occasion, the brothers of Alpha Tau Omega are having an Open House on Saturday, January 12, 1957 for the entire campus including faculty, students, and friends.

Highlights of the evening include the up and coming St. James Society from Holy Cross, who will entertain with music in true Dixieland style. This will inaugurate the rebirth of the Round Robin parties after basketball games. The brothers of ATO extend a cordial invitation to the entire campus to attend the Open House following the basketball game with Assumption.

DR. PAINE SPEAKS TO I.R.E. JAN. 10

The Boston section of the I.R.E. will sponsor a joint meeting of engineering and science students from different colleges at W.P.I. on Thursday, January 10th at 7:00 p.m. at the Electrical Engineering lecture hall.

The subject: "Modern Theory of Magnetism" will be discussed by General Electric's Dr. Paine, one of the world's experts on magnetism.

See DR. PAINE—Page 6

PRIVATE COLLEGES GET ASSISTANCE FROM BANK

The First National City Bank of New York announced today that effective January 2, 1957 it will start a program of financial aid to privately controlled colleges, universities and technical schools.

The Bank stated it would set aside a varying amount each year, based on earnings, from which annual grants may be made to four-year institutions which award degrees. It is expected that \$150,000 will be disbursed to 112 institutions in 1957.

The First National City method of distributing funds among the eligible institutions under the plan embodies a unique approach to the allocation of corporate support in the field of higher education. The plan provides that the college of origin of any employee who has been with the Bank for five or more years, or of any officer, is eligible to receive grants. The only stipulation is that the individual be a graduate of the institution and that he—or she—is in the active service of the Bank. Allocations during 1957 will be based on 505 graduates of eligible colleges now in the Bank's employ, an average of \$300 for each person.

Grants in behalf of each graduate will be of equal size, and will continue each year during the graduate's active service in the organization. The grants will be unrestricted and may be used in any manner the recipient institution sees fit. Commenting on the plan, Howard C. Sheperd, Chairman of the Board, said:

"For a bank, just as for any business,

Staples, Szypula, Zanini, Galbraith Elected Captains

The annual Fall Sport's banquet was held on Dec. 13 in the Sanford Riley Dining room. The Room was colorfully decorated with paper letters on the wall and paper plates on the table. Double duty seemed to be the order of the day as Bob Pritchard served as comedian and master of ceremonies and the spoons served from cocktail to dessert. Thanks to Bob Rochette's fine meal, which it was, the capacity audience settled back contentedly to enjoy the evening's program. Professor Pritchard took over and introduced the guests at the head table. Those present included President Bronwell, Vice-President Van Arsdale, Dean Downing and Tom Carey of the Worcester *Telegram and Gazette*.

Coaches Pritchard, Sannella and Geddes then made the individual letters awards for football, cross country and soccer teams, respectively. Announcement of next year's captains by Emcee Pritchard revealed that Stu Staples is football captain-elect, Pete Zanini and Andy Szypula are co-captains of Tech's future soccer team and Mike Galbraith will lead the cross-country squad.

Guest speaker Sammy White who is well known throughout New England as the Boston Red Sox's outstanding catcher brought the program to a close with his interesting story of his rise to big league stardom and his anecdotes about baseball in general. After answering questions Sammy was given one of the best ovations ever heard at a Tech Sport's Banquet.

PRIVATE COLLEGES GET ASSISTANCE FROM BANK

educated, trained men and women are its most significant asset. That is why we, of the First National City organization, are expanding our program of financial aid to those institutions which over the years have provided us with an important supply of vital manpower—our colleges and universities.

"By training young men and women for leadership and for productive careers, and by helping them to become thoughtful, well rounded citizens, these institutions are performing a service of incalculable value, for us and for the nation.

"As beneficiaries, we recognize our obligation. This recognition is sharpened by the realization that those of us who were fortunate enough to receive a college education did not pay its full cost through tuition fees.

"It is our hope that our program will in some measure reimburse the colleges. We trust that through sustained efforts such as ours, and increasing support from business organizations, these institutions will be strengthened and better enabled to make their necessary contribution to our society. Our prosperity and continued well being depend in large part on them and their graduates."

A booklet outlining the plan states that the Bank has every hope it will be in a position to continue the program for years to come and that while the amount allocated for any one year is nominal, when extended over the

See PRIVATE COLLEGES—Page 3

GOV. HERTER SPEAKS AT CONFERENCE

R.O.C. PRESENTS NEW PLAN FOR STUDENTS

The Navy has recently announced a significant revision in the eligibility requirements for selection of college students for enrollment in the Reserve Officer Candidate Program of the Naval Reserve. As a result of this change, it is now possible for college Freshmen, Sophomores and certain Juniors to enroll in the Naval Reserve Officer Candidate (ROC) program. Previously, only those who were under 18½ years of age could enlist for inactive duty. As a consequence, many college students who were interested in entering the ROC program were precluded from doing so because of the requirement that reserve status was necessary prior to applying for selection.

This new revision provides that college students may apply for enrollment in the Reserve Officer Candidate Program prior to enlisting in the Naval Reserve. Upon notification of selection, successful candidates will be enlisted in the Naval Reserve. Here are some of the features of the program:

1. After notification of selection for the ROC program, the candidate enlists in the regular naval reserve for a period of six years. This is a firm enlistment, making the enlistee subject to all naval regulations covering reserve personnel, and precludes enlistment in any other service.
2. The individual must attend one

two-hour "drill" each week. (These are held in Worcester from 7:30 to 9:30 P. M., on Monday, Tuesday or Wednesday nights.) The "drill" consists of classes which lead to petty officer ratings in a variety of technical, administrative and operational fields. A day's pay, determined by the rating obtained, is received for each drill.

3. To qualify for appointment to the commissioned rank of Ensign, the candidate must graduate from college with a baccalaureate degree and must successfully complete two eight-week (1 July to 31 August) summer training periods at Reserve Officer Candidate school at Newport, R. I., to be taken not later than the summer immediately following receipt of the degree.

4. Satisfactory performance in the program defers candidates from induction into active military service. Each candidate must agree in writing to accept a commission and to serve on active duty for a period of three years after receipt of commission, which would be at graduation if the two summer periods were completed while in college.

5. Should a candidate be disenrolled from the program prior to receiving a baccalaureate degree, he must serve on active duty for two years in his, then attained, enlisted rating.

See R.O.C. PROGRAM—Page 2

EIGHT MAN BOARD SET UP AT DORM

A dorm committee was organized last December and put into effect at Sanford Riley Hall. The purpose of this committee is to handle the difficulties and problems encountered by dorm residents as well as the administration. It is their aim to take care of all situations that arise at the dorm so as to make it a better place for the Freshman to spend his first year of college.

The committee has initiated the idea of having milk at three meals instead of only breakfast and dinner. They have also been put in charge of making known all rules, news and other important information to dorm residents. The representatives on the Committee, who are J. Alpern, Chairman; Jose Barresi, Vice-Chairman; Bud Legall, Secretary-Treasurer; Dave Reilly, Dick Casko, John Vale, Art LoVeter, and Paul Johnson, will try to do all that is possible in order to accomplish the goal of the Committee.

Research and Education Aided By New Grants

During the last month Worcester Polytechnic Institute was the recipient of the following money grants:

From the General Motors Corporation, \$1600 for scholarships, \$600 of which is to be used in support of the educational program at W.P.I.

From the Esso Education Foundation, a grant of \$7700, \$3500 of which is to go for support of the educational program, and \$4200 to be used in support of research in Chemical Engineering.

From the Massachusetts Protective Association, an unrestricted grant of \$1000.

From the Bethlehem Steel Company, an unrestricted grant of \$6000.

TECH NEWS ELECTIONS
FRIDAY, JANUARY 11
At 4:00 P.M. in
SALISBURY 311

TO ALL FUTURE ENGINEERS AND FACULTY:

The Worcester Tech Camera Club invites you to attend their special meeting of January 21, 1957 in the Janet Earle Room at 7:30.

At this special meeting the Club will present two movies of interest to everyone connected with science and research. The movies were obtained from the Eastman Kodak Co. The first movie is entitled "Magnifying Time," which deals with the use of high speed movie cameras and their application. The second movie is entitled "Functional Photography in Industry" which is self explanatory.

The club is presenting these films as a service and we hope that everyone on campus will find the hour needed to attend this meeting.

ANALYZES INDUSTRIAL EXPANSION

A week before the Christmas vacation started an Industrial Conference was held on our campus.

Governor Christian Herter, speaker at the luncheon, opened his remarks as follows, "In general, the primary function of the State in fostering successful industrial development is to furnish good government."

Pointing out that Massachusetts has only one of the three "classical requirements of industry"—manpower—he said that only in the "skill and brains of that manpower may we expect to compete effectively with other areas of the country and world."

In analyzing the tremendous growth of Massachusetts' electronics industry, he used as an example the Raytheon Research Laboratory in Wayland with 1,200 employees. Such operations are located in Massachusetts he said, because of the "technical skill of our workers, as well as the tremendous concentration of research brains in our higher educational institutions.

Governor Herter pointed out that the "electrical machinery industry is our largest manufacturing employer, involving 79,700 people."

"We visualize sharply expanding development of even more technical industry, ranging from servo-mechanisms to astro-physics," he said.

The governor stressed that the basic educational reliance "here in the Commonwealth has been on private institutions, such as Worcester Polytechnic Institute."

In speaking of the many advantages that fall to the Massachusetts' worker, the governor told how one Commonwealth firm gave its employees notice that it was moving out of the State. The heavy majority of them refused to move with the company. They preferred to take their better-than-good chances on finding similar jobs with other local companies.

In back of their thinking, the governor said, was the fact that they realized that ideal working conditions in a changing climate, fine public schools and general cultural advantages were very important to them and their families.

Governor Herter concluded by saying that if "any cold-blooded analysis" is made of the future of 5,000,000 people in Massachusetts, "without the help from groups such as these," it may be difficult "to maintain our population."

Chairman of the morning program was Philip M. Morgan, president of the Morgan Construction Co. The first guest speaker was Dr. Clifford C. Furnas, assistant secretary of defense for research and development. He was followed by Dr. Halton A. Leedy, director of the Armour Research Foundation of the Illinois Institute of Technology. Dr. Leedy spoke on how New England industries can take advantage of technological developments. The last speaker—See GOV. HERTER—Page 3

NEWMAN CLUB MEETING
This Sunday
January 13, 1957, 6:00 P.M.
Immaculate Conception Church

TECH NEWS

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Tech News Phones: Main Office PL 3-1411 Ex 245 Editorial PL 7-6855
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EDITORIAL

Time for a Change

The cliché "everybody talks about the weather, but nobody does anything about it," seems to be a suitable description of the campus attitude towards Tech's rushing system. We are all aware of the fact that there are many abuses and inconsistencies within the system, but nobody seems willing to make any real changes. Of course, there have been many small changes in the details of the rushing rules, but the problem is much too basic to be solved by such minor changes. The fundamental problem is that our rushing season is much too long.

Let us take a long look at these problems and then see if it can't be shown that they would be minimized by a shorter rushing season. It must first be realized that rushing is a matter of survival for fraternities. If a fraternity is not successful at rushing it cannot long exist. Even one poor rushing season can leave a marked effect on a fraternity for many years. This is why fraternities go to such lengths to get the men they want during rushing. It is more than just competition, it is a struggle for life. Now just as with an individual, an organization is apt to get rather basic in its approach to a struggle for life. And when it is bound by such ridiculously stringent rules as are in effect now, infractions are bound to take place. These infractions are noticed by other fraternities and are used as excuses for more violations of the rules. It gets to the point where everyone breaks the rules and at the same time points an accusing finger at other violators. All of this amounts to a serious violation of principle on the part of the fraternities, and yet it is rationalized that it can't be helped. "We have to do it because everyone else does it." Tempers flare, arguments rage, and bitter feelings last long after rushing is completed. These bitter feelings thwart other attempts at mutual cooperation on the part of the various fraternities, so that instead of being a unified group, Tech's students are divided into nine opposing camps on many issues. Spirit is deprived of its object and is channeled along petty lines. ALL BECAUSE OF AN OUTMODED AND IMPRACTICAL RUSHING SYSTEM.

Another problem which is a direct outgrowth of a ten week rushing season is that scholarship suffers tremendously. Two and sometimes three rush nights a week, combined with the time spent in campus rushing and other activities pertinent to rushing, make a big dent in study time. This is true of every fraternity man, but especially so of such people as rushing chairmen and fraternity officers who spend an even greater amount of time planning and worrying. Moreover, there is little the faculty and administration can do to make the load lighter during rushing because it is a matter of ten weeks and not just a few days. This has been the cause of more than a little concern on the part of the administration.

What can be done about it? The answer is obvious. SHORTEN THE RUSHING SEASON AND RELAX THE RUSHING RULES. Rushing should take place as near as possible to the beginning of the school year, and should last no longer than nine days (two weekends and the intervening week). Fraternities could certainly adapt to this if the rushing



Christmas vacation gone by and a "Happy New Year" been expressed by all, the Greeks are back in full swing (or should I say half) at the "Toot". Maybe a little explanation why the swing has been cut so unmercifully is in order, though I am fully aware of the fact the students of the Institute know the reason. Finals—Now *there* is a funny term. That small six letter work has a simple Greek connotation—the end. Could this be the answer we're looking for???

Over the vacation Old St. Nick played a double role, for in addition to being Santa he also had to play Cupid. While making his rounds he hit our fraternity loop, and let me tell you he hit it *hard*. Bring presents? Heck no, he took 'em. Much fraternity jewelry is missing from our shy Greeks.

The first stop on the campus was at 28 Einhorn Rd. The Pi boys must have had much coffee sitting on the table, for his stay was long enough to cop five pins. He took Eli Dworkin's, Mike Cordon's, Mike Gutman's, Bill Saxton's and Bernie Podberesky's, so he could give them to Betty Puller, Pamar Taub, Lois Girshman, Lin Green, and Esta Schwesky, respectively.

With a little yell, the Dancers and Prancers winged over to Theta Kap. Here Old St. Nick acquired three more valuables from brothers Jim Dunne, Frank Cohee, and Henry Nowick. Evelyn Morriseau, Carol Ferriolo, and Betty Britt were Santa's "Fair Ladies" in this case.

Onward you crazy reindeer. St. Nick was getting hep about this time. His next stop was 99 Salis-

bury St. Here the roof fell in because a Phi Gam junior got pinned, in fact a duce. Joe Borge pinned June Kadlac, and Brad McKenzie bestowed the "Black Diamond" on Joan Pearson.

Around and around the loop he traveled, in search of those famous (infamous) pieces of jewelry. A stop at Lambda Chi Alpha added three more tokens to his already large treasure. Here Al Adamson and Phyllis McCoy, Hank Altbrand and Sandra Stinchfield, Tony DiGiovanni and Joanne Delisio, all became more closely united.

The snow must have been heavier on some roofs, because the white bearded gentleman couldn't seem to

rules were relaxed. Of course it would be a very hectic week with a great deal to be accomplished in a short time. However, if a program were established whereby freshmen were free to go to the various fraternities at the beginning of the week on their own volition (with a time limit on visits) and then the last few nights were made similar to our present second rush (dinner, entertainment, etc), it could work very successfully. The competition would be tremendous, but at least it would be open and above board, and it would be up to the fraternities to use their wits instead of wasting time and creating problems by arguing among themselves.

From the scholarship viewpoint this would be ideal. Certainly there would be one week during which not much would be accomplished. But that's better than the present ten weeks during which very little is done scholastically. It is also more than probable that the administration would look favorably upon this and make certain concessions in the work load.

But the most important thing is that campus relations would be tremendously improved. The long drawn out period during which feelings reach murderous proportions would be eliminated. Fraternities would be able to forget petty differences because they wouldn't have time to get to be personal (that's the biggest problem).

So let's not just talk about rushing. Let's do something about it. Let's not go around with our heads in the sand and be afraid to make a change. But rather let us consider this proposal and if it has merit then act upon it. There will be many stumbling blocks to be worked out, but it can be done.

This action must stem from the I. F. Council, and therefore it is hoped that the various fraternities will consider this proposal and have it brought up for discussion within the Council.

Among The Greeks

WITH DEMITRIUS DUDDY

bury St. Here the roof fell in because a Phi Gam junior got pinned, in fact a duce. Joe Borge pinned June Kadlac, and Brad McKenzie bestowed the "Black Diamond" on Joan Pearson.

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The snow must have been heavier on some roofs, because the white bearded gentleman couldn't seem to

land on A.T.O., Theta Chi, or Phi Sig. The results—no pins lost.

During the vacation Sig Ep and S.A.E. went completely out of their minds. Even the reindeer were helping Santa take the loot from these houses. At 6 Humboldt Ave. pinning seemed to be too mild, so Ken Hermance and Charlie Whitney traded their pins for diamonds. Santa then stopped at 11 Boynton St. Here Roger Anderson and Carl Dingle fell prey to Phyllis Webster and Eileen Block, while Pete Dirksen really got taken over the course for a diamond to Bev. Berge.

And I could hear him exclaim as he rode out of sight, "it was a nite of fright."



ON OTHER HILLS

By Bill O'Neil

Although there hasn't been any recent survey, I doubt whether the results of a pool taken in 1935 about the "average coed" would stand up today.

At that time, the average girl was five-foot four inches, and weighed 118 pounds.

She wore a size 16 dress and a size four shoe.

Her favorite movie star was Clark Gable, followed by Franchot Tone. Favorite female stars were Claudette Colbert and Katherine Hepburn. Favorite sport: swimming. Favorite course: English.

She averaged two and a half dates a week.

Measure up to these 1935 standards, girls? If so, I can fix you up with my uncle.

Today's coed, as much as could be imagined, would probably differ quite a bit. As far as the physical mathematics are concerned, she probably has bigger feet.

Her favorite movie star? Since "Bridget Murphy" has been discovered, she wouldn't choose anybody alive today. She'd say Jimmy Dean.

I doubt that she knows any female stars she likes.

Today's polls on "favorites" always include a vocalist. But we won't go into that.

Her favorite sport is whatever she happens to be taking in her physical education course. If she's an upper-classman, it's horseback riding.

Now, as far as the number of dates is concerned, I don't know. She always has too many to fit me in her schedule.

And I can't figure out why.

Down at the University of Texas televised laboratory sections are helping chemistry students to a quicker grasp of lab techniques. Six laboratory rooms have been equipped with television receivers enabling some 380 students to have a "front row seat" for experiments performed by the chemistry department's ablest instructors.

—Associated Collegiate Press

The new student eligibility set-up on extra-curricular activities at Ohio Wesleyan University, introduced by Allan C. Ingraham, registrar, requires students to maintain a specific point average for eligibility in activities.

In the semester preceding participation, freshmen must earn a minimum

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R.O.C. PROGRAM—From Page 1

6. All time spent in college as a member of the naval reserve counts against the total obligated reserve time, so that upon release from active duty, a man who had entered the program as a freshman, for example, would have completed his military obligations. Also, since this involved valid military service, the entire time spent in the program counts towards longevity for pay purposes. This means, for example, that upon going on active duty as a commissioned officer a man who had been in the R.O.C. program three or four years would receive almost \$1000 more a year in pay than a newly commissioned officer who went on active duty without credited longevity.

7. This program will effectively close for this year on February 15. Notice of selection for the program will be made about May 1st, after which formal enlistment may be made. Those applying before February 15, will normally attend Officer Candidate School this summer, whether the applicant be a Freshman, Sophomore or Junior.

Additional information may be obtained from Prof. Grogan, Dept. of Electrical Engineering or the Naval Reserve Training, 137 West Boylston Drive.

R.A.B.

A FRESHMAN'S THOUGHTS ON LIFE IN THE DORM

After two weeks of peace and quiet the halls of S.R.H. are once again filled with the hustle and bustle of its inhabitants rushing, or should I say staggering, to and from their classes.

Not only was the recent vacation a welcome relief for the professors but you can't imagine how great it was for us Frosh. However, as someone once said, "All good things must come to an end." What an end at that; it's just like falling off a cliff into a bottomless ocean with sharks trying to tear us to pieces every minute of the time.

The innumerable dorm parties held before Christmas have become a thing of the past and the many Freshmen who attended them have once again opened their dust-covered books as semester finals loom in the distance with their evil eyes. Not only are lights burning well into the night but also the pencil and paper sales in the bookstores are increasing by leaps and bounds. I don't see why everyone is so scared, the worst we can do is fail and won't that give us a jolt to say nothing of the one it will give our parents. Remember them?

There's not much else to say, I guess, for as all the other dorm residents yours truly is still coming out of that dream and once again realizing that this is Worcester Tech and that I'm in one of Rocket's suites and being treated to his cooking and not Hometown, U.S.A., in my own room and enjoying mother's home-cooking. Is that a complete contrast or is that a complete contrast.

Well, now to grease up my slide rule and get to my Physics' homework and greet Pascal and Archimedes, whoever they were.

In closing this philosopher would like to say, "Are you worried about exams, cousin? Well, save the bottle (aspirin), bunky for you ain't seen nothing yet!"

PAUL E. JOHNSON

GOV. HERTER—From Page 1

er before lunch was Dr. Maynard M. Boring of the General Electric Co. His subject was: "How New England Companies Can Attract and Develop Scientific and Technological Manpower."

In a talk by Dr. Furnas, he said that eventually American technology will spread throughout the entire world. As industrial expansion unfolds, "one can see that New England should be in a position to play a prime role," for "various manufactured goods, machine tools and power plants will be in great demand," he declared.

Dr. Furnas said that atomic power plants based on the fission of uranium are at present very costly, but will come down within the next few years. "This should be particularly attractive to New England which is in a high-cost power area," he added.

President Bronwell, who was the chairman of the afternoon program, introduced several speakers, among whom was Richard T. Whitcomb, of the National Advisory Committee for Aeronautics, who spoke on commercial opportunities revealed by aeronautics research. He was followed by Professor Romeo L. Moruzzi of W.P.I., who discussed the future of electronics and automation. The final speaker of the afternoon was Prof. C. A. Keyser of the University of Massachusetts, who spoke on new commercial possibilities in metals.

Former Secretary of the Army Frank

Pace Jr. spoke to the group at dinner, which climaxed the one day meeting at Tech. In his speech, Mr. Pace said that the four billion dollars a year now being spent by America in research, while a distinct jump over the 900 million dollars spent five years ago, is not too much. The shift in the basic nature of research came about, he said, during the period he was Secretary of the Army.

Basic military research is now up to seven per cent," but it should go to ten per cent," he added.

Seven years ago, Mr. Pace said, many Americans engaged in research and industry discounted the stride Russia was making. "Russia was even then producing things we had not anticipated," he said, "and was being aided to a great extent by German scientists." He referred specifically to A-bomb and H-bomb research being done, and still going on, inside of Russia.

He spoke of how the Russians have set up an incentive system for its scientists, one which gives them a preferential type of treatment within the Russian social and economic framework. "They are a threat, even if

PRIVATE COLLEGES—From Page 1

years of a graduate's service it will represent a substantial sum.

The Bank said that although it fully realizes the equally valuable contributions of tax supported institutions, it believes that the limited funds available can best be allocated to those institutions that receive few or no public funds and that must depend for the bulk of their support on voluntary contributions.

they don't quite match American efforts in research," Mr. Pace said.

On the military side, the United States is being pushed into new areas and must aim toward the ultimate he said. "For example, we are now forced to experiment in Mach 10 speed and 15,000 degree Fahrenheit heat."

"In this new era, the small American businessman has a chance to succeed," Mr. Pace said. "He has already done it in the production field and can do it in the research field." He stressed that the United States has to develop more and better scientific personnel—"quantity and quality". He was referring to students and teachers.

Mr. Pace said that, in a sense, America is still short on scientists and teachers and, as well, "minds who have an understanding of what is needed." Big industry must understand the role the teacher is to play in this era of development. He said that today a graduate with a Ph.D. degree is being hired at a starting salary of between \$600 and \$700 a month, or more than professors were getting only a few years ago.

More than 125 attended and the session was in Alden Memorial. Cooperating with Worcester Tech were The Associated Industries of Massachusetts, Worcester Chamber of Commerce, The New England Council, Department of Commerce of Massachusetts and Tech's School of Industrial Management.

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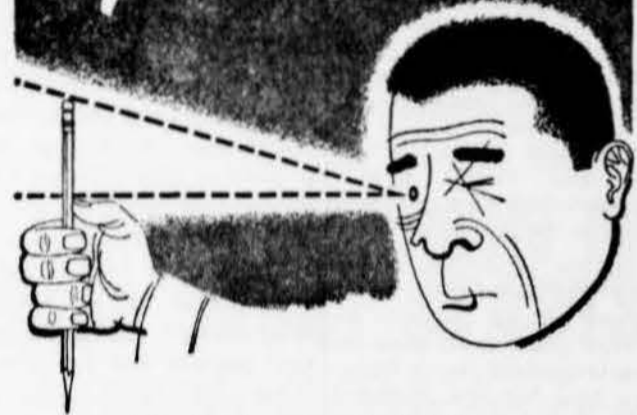
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JANUARY 16, 1957



UNBEATEN ASSUMPTION INVADES GYM SATURDAY

This Saturday night, Alumni Gym will be the scene of perhaps the top small college basketball game in Worcester this season, namely the Worcester Tech - Assumption College clash. Assumption is no stranger to Tech fans as the Frenchmen have been receiving quite a buildup by the local papers, and rightly so; in games through today, Assumption boasts a 9-0 record, including a sweep in the NAIA New England Regional holiday tournament at New Haven State Teachers College over the Christmas holidays. They meet Clark tonight in what appears to be a not-too-difficult win for them, and thus, Tech should be running into an undefeated club this Saturday night. According to Tech coach Charlie McNulty, Assumption's success is due mainly to their great shooting. At least five of their first eight men have excellent shooting percentages. "Their offense does not depend upon any one or two men having hot nights," says Mac. "Any one on the club can score." This is borne out in noting the box scores of the Greyhounds' games. More than once all five starters have hit in double figures; also, they have scored more than 100 points in 3 games already this year.

Assumption is coached by Andy Laska, a former Holy Cross great, who was Bob Cousy's running mate on the great Cross teams of that era. Since he took over the reins, Assumption's basketball fortune has been on the upswing. They have beaten Tech in the last two years and last year it was strictly no contest. Yet prior to that, Tech had won all the regularly scheduled contests in the previous ten years.

This year, the Greyhounds are led by Captain Joe O'Brien. Joe is the leading scorer and top playmaker on the club. The most colorful player on the team is undoubtedly Herbie Dyson. Herb is a local boy who graduated from South High and served in the armed forces prior to entering Assumption. He is big (6 ft. 4 in.), solid and fast and can score and rebound with the best of them; in addition, Dyson is a good ball handler and is even "guilty" of having perfected a behind-the-back dribble. Two freshmen are outstanding additions to the team. They

are Buddy Masterson, who is listed among the starters, and Joe Lane, another local boy (St. John's Prep) who is a top reserve. The other starters, along with O'Brien, Dyson, and Masterson, are Ronnie Goba and Joe Sweeney. Lane, Fred Scollan, and Danny Gearin are expected to help out early in the fracas.

So it seems that Tech has quite an obstacle in its path towards a victorious season. But they'll be pulling all stops in an attempt to knock off their in-city rivals. The incentive is certainly there; i.e., the chance to spoil the undefeated record the Greyhounds will bring to the hill. Also the Engineers want a little atonement for the crushing defeat handed them by Assumption last year. That game was over almost before it started and really hurt our Engineers. Finally, Tech will want to prove to her fans that it is the same ball club that performed in Alumni gym before the Christmas break. Then, the Engineers won their opener against Curry College, nosed out Trinity by one point (in overtime) in as thrilling a game as Tech fans have ever seen; finally Tech lost to Williams by two points in another last second thriller. But last Saturday, the Engineers showed the effects of the layoff and lost to Wesleyan in a low scoring game. Their shooting and ball handling were way off form. So the boys will want to prove to their followers that they can play good basketball.

Eddie Eidt will lead the team and will be joined by Dave Penkus at the forward posts. Richie Stevens and Mike Stephens will handle the back court positions with big Miles Grant in the pivot. Grant appears to have recovered from an ankle injury; in any event, he will be spelled during the game by Freddie Lutze. Dick Casco and Bob Basil will certainly see action.

Assumption rules a solid favorite; Tech is conceding nothing. All in all, it should make for quite a basketball game.

U.Conn. Downs Tech Mermen In First Meet

The Worcester Tech swimming team opened the 1956-57 season on Dec. 13 by dropping its meet to U.Conn., 65-21. The Huskies completely outclassed the Engineers as the score indicates, but all wasn't lost.

This was the first time Coach Grant had a chance to observe his frosh in active competition, and one of them, Skip Johnson, took a third in the 100-yard freestyle. Johnson appears to be the most promising freshman Frank has, and it is hoped Skip will be able to help the team not only this year, but in future years as well.

This meet saw the Blue and White from Storrs, Conn., establish two new records, one New England and one pool. The Huskies' 440-yard Medley Relay team set a new NEISA record of 4:12.1, and their teammate, Beauvais, posted a pool record of 1:01.7 for the 100-yard butterfly.

While the Engineers captured only one first, they did manage two seconds and eight thirds. Tech won the 440-yard freestyle relay only because U. Conn. was disqualified, and this accounted for seven points. Bob Jenkins was W.P.I.'s high scorer with a total of four points, and Hal Schmidt was second with three points. The Engineers displayed strength in the 100-yard freestyle and the 200-yard backstroke as they captured second and third in both events.

Judging from the scoreboard it appears that Tech was not only outclassed in ability but in manpower as well. The Huskies had enough personnel so that no one had to swim in more than one individual event, while Engineers Jenkins, Ekman, and Hopf swam at least two individual events apiece. If it is possible for U.Conn. to do this, so can Tech, but it appears that all those who can swim go out for the team at U. Conn., while only a few venture to swim for W.P.I.

Friday will find the Engineers searching for their first win in six seasons. The aquamen play host to U.Mass. in a home meet at 8:00 p.m. Good luck.

Summary

400-yard Medley Relay — Won by U.Conn.; Time 4:12.1. New NEISA record.

220-yard freestyle — Won by Griener (C); 2, Evans (C); 3, Jenkins (W). Time: 2:27.5.

60-yard freestyle — Won by Shippe (C); 2, Ellard (C); 3, Hopf (W). Time: 0:31.1.

100-yard butterfly — Won by Beauvais (C); 2, Halsburds (C); 3, Johnson (W). Time: 1:01.7. New pool record.

Diving — Won by Gonthier (C). Points: 61.5, 2, Stuart (C); 3, Craig (W).

100-yard freestyle — Won by Volonis (C); 2, Jenkins (W); 3, Blonder (W). Time: .59.

200-yard backstroke — Won by Andrews (C); 2, Schmidt (W); 3, Silven (W). Time: 2:25.

440-yard freestyle — Won by Fingles (C); 2, Drury (C); 3, Hopf (W). Time: 5:06.

220-yard breaststroke — Won by Fedesch (C); 2, Bishop (C); 3, Elman (W). Time: 2:57.4.

400-yard freestyle relay — Won by Tech, U.Conn. disqualified.



Your editors, as well as the rest of the student body, we are sure, have had a difficult time getting back into the "old routine" after the longest vacation that any of us have enjoyed here at Tech. But, we are back behind our typewriter again and ready to bring your way some interesting sport comments and news. (At least we hope our readers find them interesting.) We are a little rusty after our long absence from the printers, but here we go again:

NEWS IN THE I. F. CIRCLES:—Bowling is just under way and word around the alleys is that A.E.P. will be the team to beat. Larry White is back and the Einhorn Roadmen have a well balanced aggregation to go along with him. Phi Sig will definitely be in the running also, as Bob Dunn, another one of last season's outstanding keglers, will also be back to display his wares. . . . Also, let's not forget Lambda Chi and Theta Kap who were up with the leaders last year and are expected to equal if not better their performance this Winter. . . . It looks like a very close and interesting season. We will go along with the favorite and take A.E.P. to cop the honors. . . .

HOCKEY:—Tuesday of this week, the Engineers opened their 1957 hockey season by tangling with Holy Cross. The club, which is enjoying its first year of recognition by the Athletic Department, is coached by Waino Gustafson, a former mentor of the professional Worcester Warriors. Hockey is the fastest as well as one of the most crowd-pleasing of the winter sports and anyone who can get down to the Worcester Arena in Webster Square for any of the Sunday evening games will certainly be surprised at the ability and hustle of Tech's representatives on the ice. . . . The Assumption Greyhounds, who are enjoying a very successful basketball season, will be invading Alumni Gym this Saturday night. Although they will be heavy favorites to continue their winning ways, the thought of an upset has been permeating the air on Boynton Hill. The Engineers are due for a real hot night and there can be no better time for an upset than Saturday evening before the capacity crowd that will fill the Gym. . . . In any event, Tech will be hustling all the way. . . . Have you noticed the bulletin in the Gym naming Stu Staples and Clinton's own Paul Kerrigan to a national small college All American squad? Hats off to these two stalwarts! We're wondering who this fellow Gustafson is who was named to the squad as a guard from Worcester Tech. Coach Pritchard and his aids must have the same thoughts. . . .

COMMENTS ON I. F. BASKETBALL:—We have heard some talk around the campus regarding a revision in the Fraternity basketball league. Two ideas have been brought up. One is to lengthen the schedule by having each team play the other teams twice instead of once as the league is presently set up. Since there is considerable talent in the I. F. loop, it is felt that these men should have the opportunity to play more games and thus make a better league. The other idea is to divide the league into two divisions, the winners of each participating in a play-off to determine the league champion. Last season's standings or the numerical size of each house could determine which division a house would play in. This would make for closer games, the opportunity to play each team in a division twice and a very spirited and exciting play-off at the end of the season. Just a few ideas to think about when we are not cramming for finals. . . . Interest is picking up on the approaching season itself. Phi Gam will be the most improved team with Bill Braley and Al Swetz joining the squad after performing with the varsity and junior varsity respectively, last year. S.A.E. will be strong also, as they have the nucleus of last year's powerful quintet returning. Charlie Whitney, Dick Lisbon and Bob Donegan will combine with another of last season's varsity players, Jim Christo, to give the men from Humboldt Ave. a highscoring contingent. Sig Ep will be very troublesome and Theta Chi and Theta Kap could surprise a lot of people, but we feel that S.A.E. will take the honors. Phi Sig, the team that captured the trophy last year, is crippled by the loss of three men from this victorious team. They will be winning some games, however. . . . **GOOD LUCK TO THE RELAY TEAM:**—Few people realize that Worcester Tech's indoor relay team has the distinction of competing before more people than any other Tech athletic representative. The squad will be running in the Knights of Columbus relays in the Boston Garden and in the B.A.A. meet as well. These two events consistently fill Walter Brown's Garden to its 13,909 limit, as they draw the top track and field stars from all around the nation. . . . That's about it for this issue. See you at the Assumption skirmish. . . .

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WESLEYAN SWEEPS J.V., VARSITY CAGE CONTESTS

VARSITY GAME

Down by two points at half-time, Wesleyan University used a strong second half performance to turn back Worcester Tech, 55-45. Saturday night at the Alumni gym. Led by their starting forward, Peter Lund, the visiting five shook off their early scoring doldrums and took advantage of Tech's poor marksmanship to gain their come-from-behind victory.

Both teams exhibited a rustiness probably due to the recent Christmas layoff. The Cardinals were shut out for the first eight minutes and seven seconds, during which time the Engineers could only score three baskets to gain a 6-0 lead. John Watson ended this drought with a pair of free throws, Jay Cobbledick hit with a layup, and Dick Cassie cashed a driving shot to tie the score at 6-all. Mike Stephans came back with two free throws to put the Engineers ahead 8-6 at the 10-minute mark in the first half. Then, with Fred Lutze and Richie Stevens showing the way, the Techmen jumped to their biggest lead of the night, 17-10, only to

Stevens hit on a pretty backhand layup to cut the enemy lead to 5 points, 46-41. The Cardinal's Cliff Horlow then hit for a three-point play to give his team an 8 point lead, but Lutze scored two quick buckets to make the score 49-45, with less than a minute to go. That was it, however, for Wesleyan scored six points to gain the verdict, while Tech was unable to score.

The whole story of the game lies in the shooting percentages of the two rivals. Tech hit 17 of 62 attempts for 27%, while Wesleyan hit 20 of 61 for 33%, although they hit close to 45% during the second half. Pete Lund led the game's scorers with 16 points, while Fred Lutze was high for the Engineers with 11 markers, closely followed by Mike Stephans with 10. It was Tech's fourth loss in six games, while the Cardinals gained their first victory in six decisions.

J.V. GAME

A full court press during the first ten minutes of the first half caused the downfall of Tech J.V.'s in their game

WPI RELAYERS TO ENTER TWO GARDEN MEETS

The indoor track is almost into full swing again. Coach Sannella has had his boys running around the track at the gym since they returned from the Thanksgiving vacation and there is a lot of competition for this year's four man team.

Heading the list is Jim Brown, captain-elect of the spring track team, and the best 440-yard man during the past two years. The only other senior on the squad is Charlie Whitney, a veteran from last year. Bill Saimond is the boy with the most potential. Bill, who was a high jumper in high school, has turned out to be one of Worcester's finest track prospects. He uses his long legs and good coordination to his best advantage in developing a long, smooth stride. The surprise of the squad is Dave Bragg, who improved remarkably over last year. He, along with Brown and Saimond, will probably hold down one of the four spots. Stiff competition for the fourth position is coming from Whitney, Dizzy Desrosiers, a good prospect and the best freshman on the squad, and Sophs Don Kirk, Harvey Rosenfeld, and Dave Sullivan. The relay race is one mile with each man running one quarter mile.

Freshman Doug Ferrand might be entered in the 50-yard dash. Doug has an ailing back and his condition for the meet is unknown.

The first meet is the K of C meet at the Boston Garden on January 19. Tech will probably compete against such teams as U.Mass., Amherst, Wesleyan, RPI, and Bowdoin. In this meet, which will be attended by 15,000 spectators, will compete the greatest performers in the country including several Olympic stars.

Sannella thinks that this year's team is one of the better ones he has coached. He added that Tech is at a big disadvantage going into this meet. Other schools have either field houses or large tracks to practice on. These conditions are more like the Garden. It is a lot different than running on our small track with its large spring. He feels that we could do much better if allowed to practice under Garden conditions. For this reason, he generally tries to hold one or two practices at Holy Cross each year.

Excellent shooting of Buzz Biddle and Dave Johnson. Their alternate shooting netted Tech 22 points and brought the final score to Wesleyan 60, Tech 59. Biddle and Johnson were tied for high scoring honors with 18 points each.

Worcester Telegram

The Evening Gazette

Sunday Telegram

Radio Stations WTAG and WTAG-FM

Hockey Club Has 9 Game Schedule

The newly recognized Worcester Tech Hockey Club held preliminary workouts last week in preparation for its full nine game schedule extending through February and into March. This is the club's fourth year "on the hill" but this is the first season that it will be functioning as recognized school organization receiving financial aid from the student activity fund. In previous years the team was supported by the players themselves and by an anonymous donor who very generously donated money and even outfitted the entire team with uniforms. But these limited resources did not enable the club to schedule many games or even practices, due to their high cost. The majority of the club's budget this year went for these two items with the players continuing to supply most of their own equipment.

The club opened its season last night meeting arch-rival Holy Cross, traditionally their toughest opponent. It was originally planned to have this game at the end of the season when the team would be in top form but scheduling difficulties made this impossible. The remaining games will be played mostly on Sundays at 5:30 in the afternoon, at the Worcester Arena located on Main Street at Webster Square. The Club is offering free admission to everyone to encourage Tech students and their friends to come to a hockey game just to see what it's like. Those who have never seen a hockey game are missing what a great many

people believe to be the greatest spectator sport there is, and what is generally accepted as the fastest game in the world. The brand of hockey played at Tech may not be of this high caliber, but it is still exciting to watch and the club has never had a complaint that their games were dull.

The first workout held last Wednesday saw a good turnout of about thirty prospects. By Sunday this had been cut to a more workable group of twenty and the team began to take shape. One very encouraging note was the fact that only three men were lost from last year's squad through graduation. Among those returning are last season's high scorers Mike Gasek and Bob Bourget who are expected to lead the club again this year.

1957 Hockey Schedule

January	8—Tues. — 8:30 — Holy Cross
	13—Sun. — 5:30 — Assumption
February	11—Mon. — 5:30 — Wesleyan
	17—Sun. — 5:30 — Merrimack
	19—Tues. — 7 or 9:00 — Assumption
	24—Sun. — 5:30 — Babson
	27—Wed. — 8:00 — Merrimack*
March	3—Sun. — 5:30 — Babson
	10—Sun. — 5:30 — Nichols

All Home Games at Worcester Arena
*Away Game.

I.F. COMPETITION IN TWO INDOOR SPORT STARTS

Attention is now being centered on the IF season already in progress. The bowling contests have begun, and basketball practices for each of the houses take place whenever the gym is available. Some houses have started planning for the IF swimming meet which takes place after the varsity natators complete their season.

LC is Worcester's best bowling circles. In LC is usually one of the strongest teams in the league, and they started the season by beating SPE. Phi Gam also began well, winning over ATO. PSK split with Theta Chi, and the SAE-AEP match was postponed. Tyson, White, Sutherland, and Webster make up LCA's strong team, while Bratt, Baker, Wright, Johnson, and Rodes are among those bowling for SPE. Phi Gam has Daly, McCloud, Clark, and Ketunuti on its roster, and ATO's ranks included Wiinikainen, Kirk, Pomeroy, and Norton. Dunn, Cheney, Brand, and Pratt are Phi Sig's top men, and Pekrul, Kangas, Papaioannou, and Robichaud roll for TX. The teams which have not yet rolled. SAE, AEP, and TKP, have no definite starters as yet. Probably White, Korelitz, Friedman, Goodfader, and Brodie will aid the AEP cause, while Galavotti, Callahan, Mierke, and Abraham will be part of SAE's contingent. Theta Kap's chances will perhaps center around Laplume, Lemieux, Cohee, and Ottowitz.

Speculation about the forthcoming IF basketball season has already led to guesses about the league's top clubs. SAE, PSK, SPE, and PGD all present a definite threat for the top honors. Christo, Lisbon, Whitney, Strabham, and Donegan are possible strongmen for the Humboldt Avenue team. PSK's chances will probably center on Olsen, Brand, Steen, and Saimond. Sig has perhaps the largest team with Staples, Ripple, Friberg, Edwards, Schlenker, and Costello adding their weight and size. PGD will be aided by last year's top scorer and members of varsity and JV squads—Daly, Braley, Swetz, and Walker. Ex-JV men Droms, Burger, and Kirk with Lee and Prinz will help the ATO club. The Einhorn Road team will include Sokoloff, Remer, Robbin, Heller, and Chmara. Ryan, Salek, Sikoras, Bullock, and Mandrola will be among those adding their talents to Theta Kap's 1957 edition. Theta Chi's team will include Alferi, Daniels, Duff, Vine, and Dupuis. LCA's chances will probably rest on Tyson, Wesolowski, Nault, White, and Crawford.

Definition of the first electronic engineer: Adam, mainly because he furnished spare parts for the world's first loud speaker.

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Up, Up, And . . .

have the Cardinals cut down the lead to two points, 20-18, at the first half intermission.

At the start of the last two periods, the Wesleyan five started to warm up to their task. The score was tied three times in the early going, before Lund hit two from the free-throw line to break a 26-26 deadlock and gave the Cardinals a lead which they never relinquished. This Wesleyan lead soon jumped to six points as Cassie and Lund hit on beautiful drives, off fast breaks and Watson dropped a pair of charity tosses, while Tech could only score on a lone push shot by Eddie Eidt, making the score, 34-28.

The Engineers, as has been the case all season, fought back to within two points, before the Cardinals took off on a scoring spree to take a commanding nine-point lead, 42-33, with 10:00 left in the game. Both teams sparred evenly for the next five minutes, and with the score reading 46-37, Tech made their bid.

The Engineers started to press and Wesleyan lost their poise for several minutes. Eidt hit with a jumper, and

against the Wesleyan freshmen. They lost the ball to the Wesleyan frosh constantly and before anyone knew it, the Cardinals were ten points ahead. The Tech team had little shooting chances and when they did shoot, there was no accuracy. The first ten minutes ended with the score Wesleyan 20 and Tech 12. After that the play picked up a little with a few of the Tech men finally getting the range. During the last part of the half the only thing that kept the Cardinals ahead was their phenomenal shooting at the foul line. The score at half-time was Wesleyan 39 and Tech 30.

Coach Norcross really fired up his boys during the half-time recess and they came back ready to play a good game. The second half started out as a real football game with players sprawled all over the floor most of the time. To show how slow play went, Tech scored only seven points and Wesleyan scored six in the first ten minutes. In the last ten minutes Tech started a full court press which slowed Wesleyan somewhat. The biggest factor, however, in the last period surge of the Tech men was the

ON OTHER HILLS—From Page 2
 average of 1.7, sophomores must average 1.9, and juniors and seniors must average 2.0 or more. Cumulative point averages at the end of the semester must be the same as those above. Students must carry at least 12 hours in the semester preceding participation, making at least 24 points. They will be on probation from activities when the required average is not maintained. Freshmen having more than two lows at mid-term of first semester will be ineligible for participation.

The recommendation was made after study of similar systems on other campuses by the Registrar's Advisory Committee. The ruling will apply to participants and office-holders in campus activities such as: intercollegiate debate and athletics; music trips; ROTC trips; publications; dramatics; radio station work; and student government.

To attract the best professional talent to a possible career in engineering education, Newark College of Engineering has established a new program of education, an employment for promising college graduates, according to Dean William Hazell, Jr. As far as is known, NCE and Missouri School of Mines are the only two colleges offering such a program in the United States.

Acutely aware that the college must offer opportunities comparable to those in industry to successfully recruit the best engineering minds into the teaching profession, NCE is offering assistant instructorships to qualified college graduates, and tuition to complete requirements for the master's degree in chemical, civil, electrical, management, or mechanical engineering.

—Intercollegiate Press Bulletins

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 I guess our ancient speech has gone so flat that we have to spike it;
 Like the hart panteth for the water-brooks I pant for a revival of Shakespeare's "Like You Like It."
 I can see the tense draftees relax and purr
 When the sergeant barks, "Like you were!"
 And don't try to tell me that our well has been defiled by immigration;
 Like goes Madison Avenue, like so goes the nation.
 —OGDEN NASH

DR. PAINE—From Page 1

Dr. Paine, here for the first time, is considered one of the most instructive and entertaining in the science field today, and only through the efforts of the Boston I.R.E. in establishing this joint meeting was his presence possible.

Other schools invited are the Engineering Departments of Rhode Island University, Brown, University of Connecticut, and the University of Massachusetts plus the Physics Departments of the preceding colleges plus Amherst, Holy Cross and Clark.

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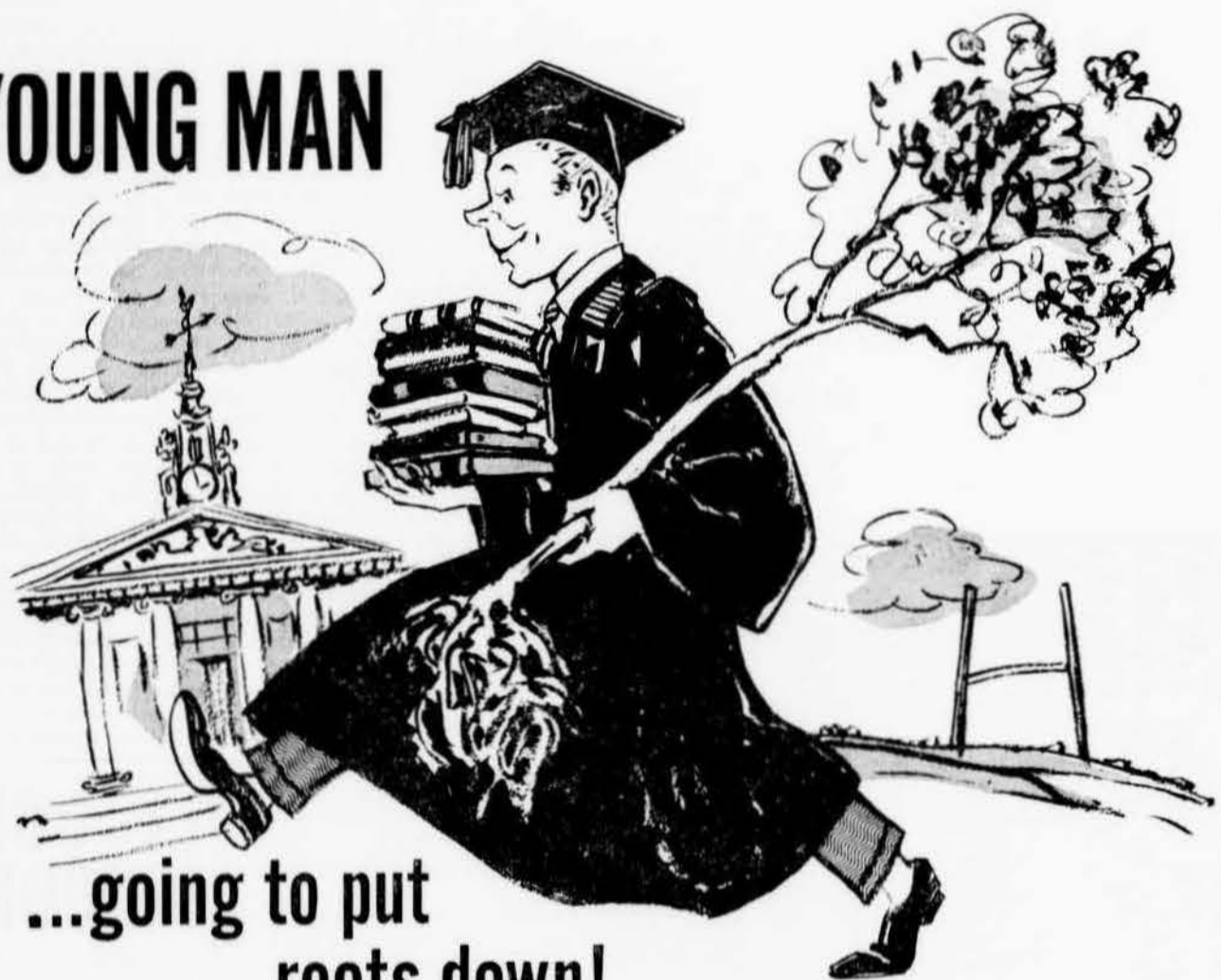
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