

Pardon us while we proceed into a monastic silence until next semester, and — good Luck.
—The News

TECH NEWS

"Any one can be a Republican when the market is up, but when stocks is selling for no more than they're worth, I'll tell you, being a Republican is a sacrifice."
—Will Rogers

VOL. XXVIII

WORCESTER, MASS., TUESDAY, JANUARY 26, 1937

NO. 14

Tech Vanquishes Experienced Northeastern Five 50 to 33 In Poorly Played Contest

Raslavsky and McEwan Pace Home Team Collecting 17 and 13 Points

TECH SECONDS WIN

"Cowboy" Korolyshun Carries Fight to Visitors as Seconds Win First Game

After a half of intermittently good, bad, and indifferent basketball, the Engineers hit their pace in the final twenty-minutes and defeated Northeastern's fast, hard-hitting aggregation 50-33. Although the score stood at 22-20 at intermission, the Tech lads returned with a fast passing combination and an impenetrable defense, and soon had a comfortable margin to their credit.

In the early moments of the first half, the Huskies tallied several times and, but for the free throws by McEwan, would have unbalanced the score before the game was well under way. When the Hub hoopsters had run up ten points as compared with Tech's six, Captain Munson called a time-out in an attempt to remedy the Engineers' paralysis. Evidently the cure was a good one, for Raslavsky bloomed forth with four baskets in the remainder of the half and the other Tech lads performed very creditably. The Huskies were able to penetrate the Worcester defense only occasionally, but their stars, Rice and Alstrom, kept them in the running by raining a continual fire from the center of the floor. In the last minutes of the period, both teams began to slip a bit, and the result was many fouls and few field goals.

The final session brought with it a Tech team, that was, at last, warming to its task. Except for the three beautiful shots that Alstrom sent through the hoop from the midway, the Boston club was almost completely overwhelmed. They committed many fouls in an effort to halt the smooth running Tech machine, but the Engineers shot free throws just as well as field goals, making 16 out of 22 tries. Munson could not seem to find the center of the hoop, but his floor work aided his
(Continued on Page 3, Col. 3)

New Courses Announced By Physics Dept.

Experimental Side of Work To Be Emphasized Rather Than Theory

The Physics Department calls attention to the following advanced courses to be offered in the second term:

1. A one credit hour course, "Elementary Theory of Relativity", will be given in the second term if there is sufficient demand for it. The emphasis will be on the experimental rather than the mathematical side of the subject. Those interested should consult Dr. Masisus.

2. The course in "Light" (Physics 9) will be given in the second term jointly by Professor Ewell and Beth, and Mr. Young, provided a reasonable number of Juniors, Seniors or Graduate Students inform any one of the above before January 30, 1937, of their desire to take the course. The text used will be Houston's "A Treatise on Light" on the reserved shelf in the Physics Library.

It is emphasized that the above courses will be offered only if a sufficient number have signified their intention to take them before January 30.

Skep Chymists Hold Meeting

Somerville and Burness Give Interesting Discussions

A meeting of the Skeptical Chymists was held at the Salisbury Laboratories on Tuesday, January 19. Pres. John F. McGinnis opened the meeting and routine business was transacted. The speakers were then introduced. Mr. Robert L. Somerville, '38, spoke on "Chemical Treatment of Sewage", while Mr. Donald M. Burness described a "Special Procedure for the Analysis of"
(Continued on Page 4, Col. 1)

BOYNTON'S BEACON



W. P. I. Week by Week

A few embryo artists seem to have reached our engineering school if we are to judge by the "noteworthy" sketches which appear so unobtrusively on our walls. (White ones at that.) In all fairness to those budding geniuses, we wish to compliment them but at the same time point out that a picture lasts longer on a sheet of paper and also is much easier to transport from place to place. Epidemics of artistic splurges seem to be most current after a drawing pre-lim but if these few men would curb their artistic temperaments, it would be a great saving in time and labor for all concerned and at the same time keep our walls looking much the better for lack of wear.

"Frosh" Special

It was recently learned by this department through a talk by Mr. Locke that all money which is received through the use of Sanford Riley Hall is put into food. It was learned later that the "dorm" is run on the receipts from all occupants plus these earnings and that all bills including water and light came out of this fund. It is not hard to see that the cutting down of unnecessary use of electric light bulbs and water would increase the amount of money which could be used for food. Results come from action.

All hail to the "blind" date. Where would half of W. P. I. be without the so called engagement? Half of the fel-
(Continued on Page 2, Col. 4)

"Something More" Subject of Professor Francis J. Adams Chapel Talk on Last Monday

Carew Again President of Senior Class

Linsley, Harvey and Fuller Are Made Officers at Recent Elections

At the recent election held by the senior class, William E. Carew was re-elected president by a close majority. Bill is a member of Phi Sigma Kappa, Tau Beta Pi, honorary society, and has been active during the year in many organizations and committees.

Ray K. Linsley, Jr., a member of Lambda Chi Alpha and also a member of Tau Beta Pi, was re-elected class secretary. Francis S. Harvey, a member of Theta Kappa Phi and the senior society "Skull", was re-elected treasurer. Henry S. Fuller of Phi Gamma Delta was re-elected class historian. Henry has had the honor of holding this position since his Freshman year.

These officers will hold their positions until the permanent class election this spring.

Dick Elliott Is Elected New Junior Prexy

Other Officers are Germain, Gustafson, Spofford, And Burke

The Junior class elected Richard M. Elliott of New Rochelle, N. Y., president at the last class elections. Dick Elliott is co-captain-elect of football, a member of the varsity basketball squad, and a member of Phi Gamma Delta and Tau Beta Pi. John E. Germain, 13 Sylvan Street, Worcester, was chosen vice-president. Jack is the last football captain, baseball and track letterman, and a member of Sigma Alpha Epsilon fraternity.

(Continued on Page 2, Col. 4)

Men Who Cannot Do As Told

And Those Who Can Do Nothing Else Fail

ABBE PRESENTS SPEAKER

Cites Examples of Actions Above And Beyond Mere Duty By Outstanding Men

Many years ago, in the days of the clipper ships, a farmer sent his three sons to work for a friend, a Mr. Eaton, who was a ship owner. At the end of two years Tom's pay was the same as when he started, John's had been raised twice, and Phil was getting more than double what he had in the beginning. So the farmer paid a visit to his friend to see why there was such a difference.

"I'll show you," said Mr. Eaton. He sent for Tom. "Go down to the wharf and see if the Spindrift has docked," he told him. There was a long wait with no result. Finally Mr. Eaton called a clerk to see if Tom had returned. The clerk reported that Tom had not even started, that he was still talking to some girls.

"Tom doesn't do what he is told", said Mr. Eaton. Then he sent John on the same errand and before he had time to return Phil was given similar orders.

Soon John returned to report that the Spindrift had docked. "John does just what he is told," was Mr. Eaton's comment.

Then Phil came in to say that the ship was in and that he had found a customer who would buy the entire cargo.

"Phil is a great help to me," Mr. Eaton said with evident satisfaction.

The next day when the farmer went home he felt satisfied that his sons had found their proper level.

The point of this story is so obvious as to need little comment. It should be remembered, however, that people do not fall exactly into these three classes. Some days when we are feeling well, with plenty of energy, we may do much more than is expected and on other days when we are ill we may not even do what is reasonably necessary. If we take an average, however, we do find that we can classify most people on this basis.

Let's take a look at a few who have done something more than was required or expected.

At one time Andrew Carnegie was telegraph operator and clerk for Thomas A. Scott, division superintendent of the Pennsylvania Railroad at Pittsburgh. One morning on reaching the office he found traffic tied up as the result of a wreck. Freight trains were at a standstill and passenger expresses were seriously delayed. Scott was not there and there was a strict rule that no one but the division superintendent could issue train orders.

Under these circumstances the safe thing for Carnegie to do was nothing. He realized that if he did anything and
(Continued on Page 2, Col. 2)



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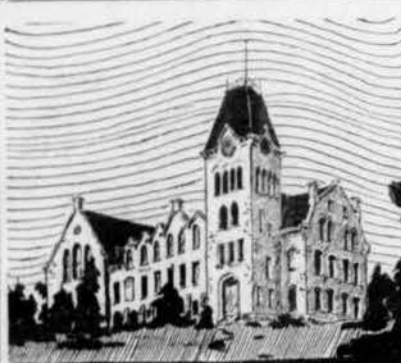
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Technicalities

Could you do last week's "Black and White" problem? Here's the answer: Since the Blacks always lied and the Whites always told the truth, both Blacks and Whites would always say, upon being questioned, that they were white. This makes Man B's statement false, as Man A could not have said he was black. Thus Man B is black. This being the case, Man C must also have lied, as he said Man B was white, so Man C is also black. As all three were not of the same color, Man A must be white. Thus A, B, and C were white, black and black, respectively.

Now here's another one for you, though you may have "heard this one before":

An employer had a managerial position open and he could not decide to which of three intelligent clerks to give it. So he gathered them together and said this: "I am going to paste a piece of paper on the forehead of each of you men. On at least one of these pieces there will be a cross marked so the others can see it. However, I may put crosses on two of you, or all three of you, but I will put a cross on at least one. Now, without speaking to one another, you are to try to figure out whether or not you have a cross on the piece of paper stuck to your forehead. Then you are to come to me and tell by what logic you arrived at the conclusion you state. The first man to tell me the correct answer will get the position."

The employer then pasted the papers on the foreheads and each one had a cross on it. After thinking it over for a while, Mr. A went to the boss and told him he knew he had a cross on his forehead and went through his train of logic. What was the method by which he reached his conclusion?

Again, this problem has no "trick" to it, but requires straightforward, logical thinking. Are you stumped?

after remarkable business ventures in South America he became the president of the American Telegraph and Telephone Co., and was the guiding spirit during the years of the most remarkable development of that great corporation.

Start now to do something more than just what is required. If you fail occasionally do not be discouraged. Remember that another day is coming.

Make this a day. There is no gain
In brooding over days to come;
The message of today is plain,
The future lips are ever dumb.
The work of yesterday is gone—
For good or ill, let come what may;
But now we face another dawn
Make this a day.

Though yesterday we failed to see
The urging hand and earnest face
That men call Opportunity;
We failed to know the time or place
For some great deed, what need to fret?
The dawn comes up a silver gray,
And golden moments must be met.
Make this a day.

Or as another author has expressed it:
With every rising of the sun
Think of your life as just begun.

Boynnton's Beacon
(Continued from Page 1, Col. 3)
lows here know girls and the other half don't but the first half introduces the second half to the girls that the first half know and the the second half know some of the girls that the first half formerly knew. Repeat when and if graduation comes along.

In the aftermath of our snow storm (2) of two weeks ago, it was learned from an authoritative source (the fellow whose room it was) that a really decorative snow man can be made in one's chair. In fact it can be made to look peculiarly like a human being by the addition of some of the room occupant's clothing. There's no moral to this one because the fellow came back to his room before the snow melted but we thought you might be interested. Incidentally the room was on the fourth floor.

Coach Johnson should visit Sanford Riley Hall if he is looking for prospective winter track material. One skillful, or otherwise, runner from the third floor while practising in his corridor recently allowed his enthusiasm to overcome his sense of decorum, all of which helped to jar the floor and cause one light globe from the second floor to come down to the second floor with a slight pop. Needless to say, the pieces were picked up.

PI

What became of the backers of the "snow train" which was to be held between W. P. I. and Wellesley? In fact what became of the snow? ... Maybe somebody did read this column last week, anyway we have not heard any more explosions of late in S. R. Hall. ... Some "Frosh" sure made a punk shot when he, through lack of eyes or a brain, partially soured with water one of the visiting engineers last Monday. ... Our compliments to the Jayvees who won their first game Saturday night. ... Over one hundred names have been signed to a petition asking reduction of prices at the basketball games. Why not more? ... A newly formed club which is to be called the "Mad Chymists" was recently organized by the Sigma Bets on the last Chem prelim. A few qualifications of the club were that the prospective member had to be able to burn nitrogen, screw all pre-lims with at least a forty, and anyone showing the least signs of knowing any of the fundamentals of chemistry was to be regarded with suspicion and disbarred from the club. But in a serious vein, those same fellows had better study just a little.

Junior Election
(Continued from Page 1, Col. 4)

Ernest E. Gustafson, 11 Englewood Avenue, was reelected treasurer. He has been class treasurer since his freshman year and is a member of Lambda Chi Alpha. Warren Spofford, of Marblehead, was reelected class secretary. Warren was assistant manager of soccer last fall and is a member of Theta Chi. Richard F. Burke, Jr. of Williamsburg, was reelected class historian. He is a member of Theta Kappa Phi.

The Past has cancelled and buried deep
All yesterdays. There let them sleep.
Concern yourself with but To-day.
Grasp it and teach it to obey

Your will and plan. Since time began
To-day has been the friend of man.
You and To-day. A soul sublime
And the great heritage of time.

With God Himself to bind the twain
Go forth brave heart. Attain. Attain.
(Chapel Talk by F. J. Adams—January 18, 1937.)

Departmental Notes

C. E. DEPT.

The national meeting of the A. S. C. E., which was held in New York, Jan. 20-24, was attended by a generous delegation from W. P. I. from the Civil and Mechanical Engineering Departments. Besides the faculty and student members present, there were two alumni who figured prominently in the activities.

E. Leland Durkee, '19, assistant engineer of the Bethlehem Steel Company, of Bethlehem, Penn., presented a paper on "The Design and Construction of a Steel Pile Pier in Tropical Ocean Water at Puerto Armuelles, Republic of Panama" in collaboration with T. J. Barnett, the chief engineer of the United Fruit Company.

Harrison P. Eddy, '91, a trustee of the Institute, lead the discussion on a paper on "Sewage Treatment at Cleveland" by Geo. B. Gascoigne, of Cleveland, Ohio. Dr. Eddy is also past president of the A. S. C. E.

Professor Allen of the M. E. Dept., a member of the Committee on Hydraulic Power of the A. S. C. E., also attended, as did Mr. Hooper and Mr. Hubbard from his department. From the C. E. Dept., the following members attended: Professor Howe, Mr. Brinker, Mr. Fillion, and Students Benjamin, Fine, Raine, Linsley, and Kullas.

CHEM. DEPT.

Mr. Beach of the Dupont Company interviewed the seniors of the department on Friday, Jan. 22. He apparently was very well impressed by his visit.

Dr. Butler will speak on the radio over the Yankee Network on Feb. 26. His subject will be "Leonard Parker Kinnicutt and His Work in Sanitary Chemistry" and will be sponsored by the Northeastern Section of the American Chemical Society. Dr. Kinnicutt was an authority on this subject, and was Dr. Jennings' predecessor as the head of the Chemistry Department.

E. E. DEPT.

The annual Midwinter Convention of the A. I. E. E. will be held in New York January 25-29. Professor Morgan and Mr. Locke of the department expect to attend. Professor Morgan is a member of the national nominating committee for officers of the coming year; also, as member of the committees on education and electrical machinery, he will attend conferences on these subjects.

PHYSICS COLLOQUIUM

At the last meeting of the Physics Colloquium, which was held on Tuesday, January 19, Prof. W. E. Lawton discussed the phenomena of "Endomosis and Cataphoresis".

Cataphoresis is the motion of small particles in a fluid under the influence of an electric field. Helmholtz was the first to give a theoretical explanation of these phenomena. Recent investigations on particles of oil, copper, starch, zinc oxide, beeswax, resin and many other substances have shown that for microscopic particles at least, all suspensions in water act as if negatively charged. In these experiments account was taken of the conductivity of water. The effect of X-rays has also been studied in connection with this work. One of its most important industrial applications is in the "plating" out of rubber in latex solutions.

The next Colloquium will be held on January 26. At that time, Dr. Robert T. Young will discuss "The Ground State of the Deuteron".

editorials



a letter

Here at hand is a letter written to the NEWS. Among other things it says:

"I was both pained and surprised to read the account of last Saturday's game with Tufts, as pictured by some ambitious scribe who pictured the team in a style that might be well left to those more experienced journalists on the Worcester daily papers.

Further, "Can't you leave belittling to the professional writer and devote your time to giving the boys a balancing push? Let us not forget that 'anyone can support a winner but it takes a real sportsman to support a loser'."

These remarks are unjust, uncalled for, and unsupported.

Why in the world should we have to leave the comment making up to "professional scribes". (It's only your minimum financial support that keeps us amateurs, you know!) After all we're a newspaper reporting a game, and if the game is poorly played, we are apt to speak of it as such.

As far as "belittling" goes the author is all wet. As I remember it, in the same issue of the TECH NEWS as the Tufts write up, there was the B. U. write-up which wasn't too belittling!

There is no one on the NEWS staff who isn't very proud of Tech's basketball, and who is not willing to support them when losing.

You can see that it would be rather difficult for a news writer to write about fifteen column inches in a flowery lingo, about the activities of a losing team.

Anyhow, let's forget all this and study hard for the exams.

Chapel Talk

(Continued from Page 1, Col. 5)

made a failure of it that it would mean disgrace and possibly criminal prosecution. In spite of this he went ahead to issue train orders signed by Scott's initials, knowing that it was the business of the railroad to run trains.

When the division superintendent returned trains were running smoothly. He said nothing to Carnegie, but Carnegie soon learned indirectly that Scott was very much pleased. Even John Edgar Thompson, president of the Pennsylvania, learned of his "train-running exploit". Soon Carnegie became Scott's private secretary and when he was twenty he was division superintendent himself.

"The battle of life is already half won" said Carnegie, in commenting on this incident, "by the young man who is brought personally in contact with high officials; and the aim of every boy should be to do something beyond the sphere of his duties—something which attracts the attention of those over him."

Edward Bok, the editor, speaking of Cyrus H. K. Curtis, the publisher, says "there are two kinds of men in Mr. Curtis' estimation who never amount to anything, the one kind that cannot do as they are told, and the other who can do nothing else."

T. Coleman de Pont has put the matter somewhat differently. "Of course," he says, "not all men are capable of filling positions which carry the responsibility of making important decisions. Some men can work wonderfully for other people: they are ideal tools or implements, when guided by others, but they lack initiative, originality, self-courage. They are capable, faithful, valuable followers but not leaders.

When young Theodore Vail was a railway mail clerk, the methods of distributing the mail were very primitive. Letters were sorted and routed largely by guess work. There were many needless delays of days, even weeks.

Vail worked out a map of connecting routes and tacked it up in the car. He also developed a new method of assembling mail at various points. His charts and schemes attracted notice. In five years he became assistant superintendent of the railway mail service and later general superintendent. Later

Engineers Subdue Brown Five In Stirring Game at Providence

Boynton Hillers Pile Up Large Lead in First Half But Nearly Give Way to Furious Brown Onslaught

Ray Forkey and Al Raslavsky Lead Team in Finest Play- ing of Year

Whipping into a commanding lead in the first half of the game with the Brown Bruins last Wednesday evening but later giving way to some very accurate shooting, the Tech basketball forces finally clicked in the closing minutes to come out on the long end of a 45 to 38 score.

The first half of the game saw the home boys click as well as they have in quite some time; the passing was accurate, the shooting was accurate, and as the whistle at the half sounded it began to look as if it might be almost time to send in the reserve. But then the Brown boys began dropping them in and what had at first taken on the aspects of a rout began to look like a very tight ball game. The boys then finally came to in the closing moments and fixed things up the right way.

Raymond Forkey, who started at guard but later switched to center, set the pace in the first half by picking up 11 points. After the first few moments of play the home forces were enjoying a 7 to 3 lead and then soon they jumped this total to 22 points holding the Bruins absolutely scoreless for ten minutes. It was in this first half that the Engineers played their best basketball. The passing and shooting was as fine as any seen this year. It was just a type of basketball too fast and too superior for the Brown club to fathom. Most of the Brown tallies were as a result long range connections but their total of 13 looked rather small when placed beside the Tech total of 28.

When play was resumed in the second half a couple more baskets for the Tech forces fixed things even better. But then the Providence boys started an onslaught that words can not adequately describe. From anywhere and everywhere they began collecting baskets until they had drawn within two points of the Engineering forces. The score at this point was 34-33, the game had taken on a totally different aspect; and the Bruins had done all this in just

13 minutes. Then came a period of frantic passing and shooting. Finally Dave dropped a basket and Al sank a foul shot. Brown then scored from the floor, but two baskets apiece by Captain Richard and Al in the waning moments won another ball game for us with a 45-38.

TECH	g	f	t
Munson, f	3	0	6
McEwan, f	3	2	8
Forkey, c	6	1	13
Jenkins, g	0	0	0
Rushton, g	1	0	2
Raslavsky, g	7	2	16
Totals	20	5	45
BROWN	g	f	t
Burbank, f	5	0	10
Petrone, f	0	0	0
Morcum, f	6	1	13
Chichester, f	2	0	4
Kennedy, c	2	1	5
Clements, g	2	0	4
Larkowich, g	0	0	0
Sharkey, g	1	0	2
Truman, g	0	0	0
Totals	18	2	38

Referees, Parker and Clark. Time, 20-minute periods.



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T.U.O. Leads In Basketball

Phi Sig Second as Intramural Contest Nears Close

The intramural basketball goes into its final week with T. U. O. still in the lead, having beaten S. O. P. on Tuesday and T. X. on Thursday, making six straight wins. Michel and Mudgett of Phi Sig lead the individual scorers having brought their totals to 91 and 63 respectively when P. S. K. beat S. A. E. on Friday and T. K. P. on Tuesday.

Team Standing	Won	Lost
T. U. O.	6	0
P. S. K.	6	2
T. K. P.	4	2
S. A. E.	4	3
L. X. A.	4	3
A. T. O.	2	5
P. G. D.	2	4
S. O. P.	1	5
T. X.	1	6

Scoring Statistics	g	f	t
Michel, P. S. K.	41	9	91
Mudgett, P. S. K.	28	7	63
Jacques, A. T. O.	26	5	57
Grant, T. U. O.	25	1	51
Gustafson, T. U. O.	21	4	46
Houston, L. X. A.	15	16	46
Taylor, P. G. D.	14	7	35
Despotopoulos, S. A. E.	14	7	35
Burness, L. X. A.	20	1	41
Bialer, S. O. P.	15	1	31
Lindegren, T. U. O.	13	3	29
Carangelo, S. A. E.	14	1	29
Nims, P. S. K.	13	2	28
Stone, P. G. D.	12	2	26
Atwood, A. T. O.	11	4	26
Sadick, S. O. P.	11	4	22
Driscoll, T. X.	9	4	22
Rozko, A. T. O.	8	5	21
Lyman, L. X. A.	10	2	22
Woodward, P. G. D.	10	2	20
Nimmo, T. X.	10	2	20
Hastings, T. K. P.	9	2	20

Northeastern Game

(Continued from Page 1, Col. 1) team mates, Raslavsky and McEwan, who were carrying their rabbits' feet throughout the entire half. The first stringers, better known as the Boynton Hill "Iron Men", succeeded in mak-

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Swimmers Lose To Wesleyan

Dearborn and Evans Take Firsts in 60-17 Defeat

Coach Frank Grant's swimmers went down in defeat yesterday in a vain attempt to break the streak of losses which have been piled against them since they won their first meet with M. I. T. The meet was with Wesleyan at Middletown, Conn., with the engineer team coming off on the little end of the score 60-17.

The Crimson and Gray natators repeated their performance of the week before taking only first places in the dive and the 220 yard breast stroke which were won respectively by Hank Dearborn and Bob Evans, Wesleyan captured the remaining first places and all of the second places, except in the 150 yard back stroke which was taken by Hansen.

Masson swimming for Wesleyan was the star performer taking first places in the 220 and 440 yard as well as assisting in the 400 yard relay.

Evans, swimming the 220 yard breast stroke just nosed out Hinsdale of Wesleyan to finish first in 2:43.6.

Summary:

300-yard medley relay—Won by Wesleyan (Lehninger, Hinsdale, Baird). Time 3:27.3.

220-yard swim—Won by Masson, Wesleyan; 2d, Malley; 3d, Willey, Worcester. Time 2:34.4.

50-yard dash—Won by D. Davis, Wesleyan; 2d, Blizard, Wesleyan; 3d, Orans Worcester. Time 25 seconds.

Dives—Won by Dearborn, Worcester; 2d, Maue, Wesleyan; 3d, Ray, Wesleyan. Winners points 60.61.

440-yard swim—Won by Masson, Wesleyan; 2d, Malley, Wesleyan; 3d, Swenson, Worcester. Time 5:42.4.

150-yard backstroke—Won by Lehninger, Wesleyan; 2d, Hansen, Worcester; 3d, Maue, Wesleyan. Time 1:56.5.

220-yard breaststroke—Won by Evans, Worcester; 2d, Hinsdale, Wesleyan; 3d, Eichin, Wesleyan. Time 2:43.6.

100-yard dash—Won by D. Davis, Wesleyan; 2d, S. Davis, Wesleyan; 3d, Willey, Worcester. Time 56.2.

400-yard relay—Won by Wesleyan (S. Davis, Malley, Masson, Baird). Time 4:12.8.

ing such a large difference between their score and that of their opponents that Coach Bigler deemed it feasible to send in the number two quintet. Elliott hooped a fine shot in the final seconds to bring Tech's score to an even 50, making the final score 50-33.

Capt. Rice, Alstrom, and Bialkowski were the big guns of the visitors' at-

tack, Alstrom tallying 15 of the Huskies' 33 points. With Forkey and Rushton grabbing the ball off the backboard and with the McEwan-Munson-Raslavsky combination whipping it down the floor, the Huskies found the trail just a bit too rough.

Your correspondent has the unique opportunity of being able to report that the Tech Seconds won their game against Commerce High Saturday night 33-28. And that isn't all—the entire contest kept the spectators tense and it was only in the second overtime period that the Jayvees were able to outshoot their opponents. Cameron led the scoring for the home team but "Cowboy" Kerolyshun was the defensive bulwark and he provided the humor of the battle with his dribbling exhibitions.

The Summaries.

TECH	g	f	t
Munson, f	3	0	6
McEwan, f	3	7	13
Bergstrom, f	0	0	0
Elliott, f	1	0	2
Forkey, c	1	3	5
Schlora, c	0	0	0
Rushton, g	1	5	7
Raslavsky, g	8	1	17
Jenkins, g	0	0	0
Folmsby, g	0	0	0
Totals	17	16	50

NORTHEASTERN

	g	f	t
Rice, f	3	0	6
Rogers, f	0	0	0
A. Smith, f	0	0	0
Hobson, f	0	1	1
Wilson, f	0	0	0
Dyer, f	0	0	0
Meehan, c	0	0	0
Freeman, g	0	1	1
Hart, g	0	0	1
Alstrom, g	7	1	15
Birenbrdspt, g	1	0	2
Bialkowski, g	1	1	3
Conley, g	1	0	2
Wright, g	1	0	2
Totals	14	5	33

Referees, Haughey, Roberts.

TECH JAYVEES

	g	f	t
Cameron, f	5	0	10
Wingardner, f	1	0	2
Holt, f	2	0	4
Esper, f	0	1	1
Newton, c	3	0	6
Reid, c	1	0	2
Korolyshun, g	0	0	0
Blanchard, g	2	0	4
Thulin, g	2	0	4
Totals	16	1	33

COMMERCE

	f	g	t
Strzlecki, f	7	3	17
Greenberg, f	2	0	4
Shafer, c	1	0	2
Matukaitis, c	1	0	2
O'Brien, g	1	1	3
Wasiewicz, g	0	0	0
Markarian, g	0	0	0
Zaparaskas, g	0	0	0
Totals	12	4	28

Referee, Wilkinson.

FELIX WAITKUS

IS THE ONLY UNIVERSITY STUDENT WHO HAS FLOWN THE ATLANTIC. HE ATTEMPTED TO FLY TO LITHUANIA IN 1935 BUT WAS FORCED DOWN IN IRELAND. WAITKUS IS NOW ATTENDING THE UNIVERSITY OF WISCONSIN AND PLANS TO FLY TO PARIS THIS YEAR!

HIS PICTURE ADORN'S A LITHUANIAN POSTAGE STAMP!

IN GREEK LETTER SORORITIES THE LETTER DELTA IS USED MOST AND IN FRATERNITIES THE LETTER PHI.

TRANSLATED, DELTA MEANS IN LOW PLACES WHERE— AND PHI MEANS MUD-FORMED!

Tune 'em in
HAL KEMP and KAY THOMPSON
Chesterfield's Friday Night Show



ALL COLUMBIA STATIONS 8:30 E.S.T.

Skep Chymists

(Continued from Page 1, Col. 2)

the Iron and Barium Groups in the Presence of Phosphate".

Mr. Somerville mentioned the fact that although chemical processes for sewage disposal were used in England in 1864, they were later abandoned in favor of mechanical methods. Increased knowledge has lately revived interest in the chemical schemes, and there are now many plants in this country using whatever procedure is best suited to their needs. The speaker described several of these methods in detail, including the Laughlin-Guggenheim, and Scott-D'Arsay systems. In general these treatments consist of first using sulfuric acid or lime to get the right pH. When a pH of 8.5 has been reached, ferric chloride is added and mixed and the mixture allowed to settle. This flocculates the organic and

colloidal matter, permitting the solid portion to be removed and disposed of.

The special procedure which Mr. Burness described was first proposed in Germany by Prof. Petraschenj. The Ba and Fe groups are precipitated by di-ammonium phosphate and ammonium sulfide, after which all but Co and Ni are dissolved in dilute HCl. This solution is oxidized and chromate removed from the resulting precipitate, which is then treated with acetic acid and sodium phosphate. Al, Mn, Fe are thus removed. The solution is heated and saturated with hydrogen sulfide, and Zn is filtered off. Ba, Ca, Sr and Mg only remain, and are separated in much the usual way. Bromine water or sodium peroxide may be used as the oxidizing agent. It is claimed that this method is faster and less round-about than most of the systems now in use. Mr. Burness himself has been remarkably successful in its use.

Varsity Relay Trials Tuesday

Harvey Only Veteran Likely To Make Team

One of the best relay teams to represent Tech in several years is rounding into shape for the K. of C. games at Boston, January 30.

The time trials to decide the four men and one substitute who will carry the Crimson and Gray, Saturday night, will be held on Tuesday, January 26. Thus far this season Moore, Lawton, Harvey, Kraemer, La Liberte and Coffin are making the best showing. La Liberte, former Worcester Academy track luminary and North High one man track team, has turned in the best time of any Tech relayest in three or four years.

The fact that Harvey is the only one of the veterans to make a good-showing, attests to the power and ability of the newcomers, all of whom have had some relay experience.

The schedule which includes the K. of C. relay, the B. A. A. relay, Feb. 7, and a triangular meet with Mass. State and Tufts at Amherst on February 27, is not conducive to good conditioning with midyears, the week of Feb. 1, but, barring sickness and such, Tech, in the persons of Lawton, Harvey, Moore and La Liberte, should be well represented.

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