

REPORTERS  
Assignments B19  
March 21, 4:15

# TECH NEWS

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March 16, 4:15

VOL. XXIX WORCESTER, MASS., TUESDAY, MARCH 15, 1938 NO. 19

## Professor J. Anton de Haas Of Harvard University To Speak at Sixth Assembly

Lecture on "The Far East"  
To Be Held Wednesday  
Morning at Eleven

**ATTENDANCE URGED**

### Professor de Haas Well Qualified to Speak on Subject of The War in China

Professor J. Anton de Haas, Professor of International Relationships at the Harvard University Graduate School of Business Administration, will be the speaker at the sixth Fuller Lecture of the year, next Wednesday morning, March 16, 1938, at eleven o'clock. His lecture will cover some of the present-day problems in international relationships in his talk, "The Far East." Few are better qualified to speak on this subject than Professor de Haas, who is in every sense an expert on the subject of International Relationships. He has had many years of experience in teaching this and connected subjects and has also been actively engaged in direct contact with foreign and domestic problems along this line. A brief resumé of his life will illustrate his vast experience.

Professor de Haas was born in Amsterdam, Holland. He came to this country for his college education. He was awarded a B.A. at Stanford in 1910 and a Ph.D. in 1915. He also earned his M.A. at Harvard, in 1911. He came to this country to live in 1917 and became a naturalized citizen in 1917.

His first work in the field that was to be his life work was in 1913, when he became an instructor in Economics for two years at Stanford University. In 1914 he worked in California, Utah, and Europe as an agent of the California Immigration Commission. He became an assistant Professor of business administration at the University of Texas in 1915, where he stayed until the summer of 1917, when he became an examiner for the Federal Trade Commission. In 1918, he became a Captain in the United States Army. He was a lecturer at the Columbia Summer School in 1918 and then became Professor of Foreign Trade at the University of Washington from 1918 to 1919. In 1920 he went to Rotterdam, Holland, for one year as professor of "Handelstechnik" at the University there. From 1921 to 1927, he was Professor of Foreign Trade at New York University. In 1927 he became Professor of Foreign Trade and International Relationships, at the Harvard Graduate School of Business Administration, the position he now holds. He has also been a lecturer at the United States Naval War College, Newport, R. I., since 1928. He also lectured at Columbia from 1930 to 1932. In the summer of 1932 he was a professor at the Summer School of the University of Southern California.

He is the author of several works on Foreign Trade and Business Administration. He is considered to be one of the foremost men in this country in the field of Trade and International Relationships. There is no doubt that this lecture will be well worth attending. President Earle will make statistical

(Continued on Page 4, Col. 3)

## Averages Show Seniors Lead In Honors

### Sophomores Fall Far Below Usual Average as Physics Dept. Clamps Down

Thru the cooperation of President Earle and Miss Rugg, registrar, the TECH NEWS is able to present the first publication of individual and fraternity scholastic honors as well as some interesting statistics pertaining to the honors in the various departments and classes.

#### WEIGHTED AVERAGES First Term, 1937-38

Theta Kappa Phi	73.6%
Phi Gamma Delta	73.1
Lambda Chi Alpha	72.9
Phi Sigma Kappa	72.8
Theta Chi	71.9
Sigma Alpha Epsilon	69.3
Alpha Tau Omega	68.7
Theta Upsilon Omega	65.7

All Fraternity	71.2
All Non-Fraternity	73.7
College	72.7

Note: Regular Freshmen are all non-fraternity men for the first term.

#### SENIOR CLASS

**First Honors**—F. J. Burg, A. R. Deschere, R. M. Elliott, B. H. Wilson, R. G. Young, T. C. Andreopoulos, A. F. J. Kullas Jr., C. L. Lavezoli, J. G. Foster, A. E. Martell, G. W. McKenna, P. M. Murphy.

**Second Honors**—D. B. Clark, J. A. Holbrook, J. S. Mudgett, T. B. Gruzdis, E. L. Mager, D. G. Slovin, J. M. Wisniewski, R. P. Day, D. W. Howe Jr.,

(Continued on Page 3, Col. 2)

## Students Urged To Cast Ballot On Peace Issue

### Fillout Ballot To Be Run In March 22nd Issue Of Tech News

Letters of support and commendation for the week-old Survey of Student Opinion on Peace continue to pour into the Brown Daily Herald office from which the poll of 1,200,000 college students is being directed. Educators, legislators, college leaders, and dozens of organizations express their approval. The American Institute of Public Opinion, leading poll experts of the nation, declared through Associate Director Claude E. Robinson: "No doubt you will get many revealing results from your work . . . the Institute is greatly interested in this poll."

College newspapers have seized upon the poll as an effective method of crystallizing campus opinion. Seven-hundred and fifty-three undergraduate publications will conduct the surveys on their campuses.

## Dean's Chapel Talk of Value To Students

### Lists New Responsibilities That The Student Must Face at Present

I will present to you this morning a very simple thesis: Your privilege entails a responsibility. I wonder if you have considered how highly privileged you are. It may be that because you have been able to come here to Tech as a result of your own earnest efforts, and are able to continue here and receive the instruction we are prepared to give you, also because of your self discipline and willingness to subject yourselves to continuing schedules of hard and persistent effort, you may have lost sight of the participation that others have in all this. I need only mention your own parents and other personal and private benefactors, and the endowment of this college by its early public-spirited founders and by the devoted friends and alumni of later years. It needs only this brief allusion to recall to your minds the stake that more or less immediate benefactors have in you young men. But perhaps it is more necessary to remind you that you are the recipients of more than their benefactions; you are the heirs of all that our civilization has so painfully built up, of knowledge, of science, of institutions and of opportunities. Not all the philanthropy of a John Boynton and an Ichabod Washburn and a Stephen Salisbury could have provided this college for you without the contributions by myriads of souls through many past ages, of knowledge, of social and spiritual progress, of physical wealth of all kinds, which go to make up our civilization, a civilization which could include a Worcester Tech, and you, so confidently looking forward to an honorable and secure and satisfying normal span of life. And if we class Worcester Tech,—as we have every right to do,—as one of the colleges and professional schools of the first rank, then from the standpoint of privilege I think you may properly be accounted as one in perhaps twenty of your age group of both sexes. This is what I mean by your privilege, and your obligation to others and to the past.

\* \* \*

This uneasy, fearful world, faced with imminent changes of awful import, faced with problems apparently too difficult and complicated, turns to you, its young men, its young college men, to whom it is giving the best that the past and the present have been able to accumulate of knowledge and science and wisdom, and makes this earnest appeal: Prepare yourselves now to be ready a few years hence to engage as leaders, resolute and valiant and wise, in what may very likely be the crusade for civilization. Be willing, yea, eager, to give up a little of boyish diversion and light-mindedness, to resist the present prevailing habit of substituting reading for study and thought, and of substituting pre-digested brevities for more solid reading, and of substituting the moron's delight in a purposeless gazing at pictures for the more lasting and real satisfaction to be gained from

(Continued on Page 4, Col. 4)

## Twenty-second Tech Carnival Is Huge Success as Crowd of Six Hundred People Attend

### Plans Working Out Well For Junior Prom

#### Enthusiastic Committee Assumes a Gala Time For Dancers

The Junior Prom committee reports at least 50% of the tickets already sold or reserved. As there are only one hundred and ten reservations made, all desiring to attend this gala affair are urged to make their reservations as soon as possible. The \$5.00 payments may be arranged for your convenience.

The favors to be handed out on this memorable evening of April twenty-second are very unusual. Not automobiles, not compacts, but something really useful. They will be an object of desire for both men and women alike. Watch for future announcements.

The Prom committee consists of: chairman, Henry Blauvelt; orchestra committee: Walter Abel, Paul Johnson, Adrien Jacques; favor committee: Eugene Gravelin; decorations: "Al" Chase, Carl Lewin; business and arrangements: Boosahda, Kaplan, Keyser.

The committee are all eagerly awaiting the night of the dance. When not working on all of the necessary preparations, they find it very hard to concentrate upon their studies. They all have something to say.

Blauvelt: I promise the best time in the history of Tech. Every item will be a memory that lingers on.

Abel: I have seen, I have heard, and I have been conquered. You, too, will be overcome by their charm. (Referring to the orchestra.)

Johnson: By radio audition, they have "umph."

(Continued on Page 4, Col. 2)

## Tech Graduate Wins Prize By Best Article

### Abner Crumb is Honored by Electrical Engineering Institution

Word has just been received that the American Institute of Electrical Engineers has selected Abner Crumb as the recipient of its District Branch Prize for his student paper, "Power Circuit Filters for A-C Generators." The award will be made at the District Convention to be held at Pittsfield, May 18-20.

Mr. Crumb's paper was presented at a convention in Buffalo a year ago, where the author's work was open to competition from students of all engineering colleges of New England and the state of New York. Papers were presented in direct competition by students from M. I. T., Cornell, Yale, and Rensselaer. Following presentation, the papers have been under consideration by a committee on prizes which has just announced its decision.

(Continued on Page 3, Col. 3)

### Sophomores Win Carnival Cup With Skit "Lover, Come Back To Me"

#### FACULTY PLAY WELL

### Freshmen Present Fine Melodrama "For Love of Sigma Mu," Starring Hoebel

A crowd of approximately six hundred people attended the twenty-second annual Tech Carnival last Saturday night, March 12, and saw a skillful Sophomore cast capture the Carnival Cup with an entertaining skit entitled "Seven-Tenths of a Year at the Worcester Polytechnic Institute" or "Lover, Come Back to Me."

The Carnival opened with "Them Basses" and selections from "Maytime" played by the Tech Band. The first event of the evening was the Freshman play, a heavy melodrama entitled "The Fate of Nellie Pimplesnoot" or "For Love of Sigma Mu." This was followed by a more credible than musical imitation of a German Band by five members of the Tech Band and the leader. Next on the program came the prize-winning Sophomore play which was followed by four vocal selections rendered by a quartet consisting of George W. McKenna, Roger Iffland, John Morrison, and Russell W. Parks. The faculty act came next, an entirely new version of "Uncle Tom's Cabin," never before presented on an American or any other stage. The last event on the program was the presentation of the Carnival Cup to the Sophomore class by Dr. Charles A. Pierce. After this there was dancing to the music of the Boyntonians until midnight.

The various fraternities on the campus, whose banners decorated the gym, conducted five booths on the midway for the amusement of the crowd and the collection of stray dimes.

The Sophomore act was written and directed by W. Alex Patterson and was staged with the following cast: Ralston Bates as the father, Alex Bodreau as the mother, Richard Messinger as the beautiful and shapely Barbara, Charles McDonald as Butch, the precocious young son who plans to enter Tech when he grows up, W. A. Patterson as Pat, Donald L. Stevens as Don, W. Clark Goodchild as Jonas G. Clark, Frank J. Delaney as a woman, Randall Whitehead and Jack R. Baker as a couple of fellows, Kenneth Blaisdell, Walter Sodano, and Robert Newton as three founders of Worcester Tech conjured up from the dead by Butch's machine and Raymond J. Forkey as Raymond J. Forkey. Clyde C. Gerald was property man, Rolfe Johnson was stage manager, and Raymond Milner handled the make-up.

The plot of the act concerned the relative successes of the various suitors for the hand of the fair Barbara, highly complicated by the doings of Butch and his machine. The machine was a complicated looking piece of apparatus which, under the direction of Butch, first calls back John Boynton, Ichabod Washburn, and Stephen Salisbury to give their views on Tech, then, when

(Continued on Page 4, Col. 1)

# TECH NEWS

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## — editorials —

### think

Too often have college seniors been told, "You are the leaders of tomorrow," yet despite its triteness, the phrase expresses a reality. College graduates are the leaders of their generation, and fifteen years out of college they are playing a major part in determining the policies of the nation.

As students, these prospective future leaders must begin the process of training their minds on questions of vital national importance, of moulding the opinions which will guide them in formulating policies as citizens.

The Survey of Student Opinion offers an opportunity for the students of the entire nation to declare their beliefs on five questions of foremost importance in international relations today. All of them bring clearly to the fore the necessity for sound, well-reasoned undergraduate opinion which will provide a background for development of a constructive American program for peace.

The Far East threatens to become the storm center of a second world war. Russia, the United States, and Great Britain are faced with the necessity of deciding once and for all their policy in China and the Pacific. Shall they join to suppress Japanese aggression, by force if necessary? Shall the United States withdraw from China? What shall our policy be?

Do the students themselves desire maintenance or enlargement of the R. O. T. C., or do they wish it to be curtailed? What do we think of our naval and military program? What action shall we take in Europe in an attempt to maintain peace? Will isolation prevent us from being involved in war, or will we inevitably be drawn in?

And, a most vital issue: In what sort of war will students be willing to fight? Again a well-worn expression, "It is the Youth of a country that fights its wars." Under what conditions will we be willing to fight—or shall we refuse our support in any war?

Statistics are valuable information. The expressed beliefs of over a million college students are a tremendous force in support of those policies favored by Youth. The effectiveness of the Survey depends entirely upon its magnitude.

Think—and having thought, let the world know your answers.

### frosch-soph rivalry

As a result of the popular belief that the true purpose and impressiveness of Freshman-Sophomore rivalry and hazing is waning, the Tech Council assumed the aggressive and drew up a set of rules which will appear in an early issue of the TECH NEWS.

These instructions to the incoming class, while similar to previous ones, are to be laid down with due seriousness by the second year men and without the usual taunting attitude. The Freshmen will be expected to carry out these regulations to the letter under the supervision of their rival class.

Doubtless in years past the greatest asset to the bewildered newcomers was the encouragement and cooperation tended by the Juniors. Under the present plan the third year men will also be against the yearlings. It is easy to see that this is the best way to discipline and improve the character of our undergrads.

However, the success or failure of this system depends on the cooperation of the entire student body. Even though it will be the special duty of the Sophomores to haze and chastise the Frosh, the upper classmen are expected to know these rules and help out in times of stress. Also, as this new plan is in one sense an experiment and still subject to improvement and modifications, all students are urged to think about this new proposition and hand in any new ideas or suggestions to their class president or bring up the issue in a class meeting.

It is hoped that this method of receiving the Freshman Class will be a success and will be employed as a tradition in the future.

## Department Notes

### Electrical Engineering

On Wednesday, March 16, 1938, the W. P. I. Student Branch of A. I. E. E. will hold a joint meeting with the Worcester Section in Sanford Riley Hall. The meeting will be preceded by a dinner at which the students will be guests of the Section. Donald W. Howe, '38, will give a short talk on a device which he is building as a Senior Electric project. The main speaker of the evening will be Mr. J. P. McCann, Safety Manager of the New England Power Service Company, who will talk on "Organizing for Safety." Mr. McCann is one of the most widely experi-

## Peele Prize Is Announced For Class of '39

### Best Engineering - Economic Plan Gives Junior Cash Award of \$100.00

The final date for submitting entries to the Peele Prize Contest is drawing near, with March 19th as the deadline. All entries must be in by this time, so any of you Juniors planning to enter this contest be sure and get your entry in by this date. See Professor Taylor for further details.

In review of the announcement appearing in the NEWS a few weeks ago, the contest is open only to the class of '39. An award of \$100 will be made to the student presenting and defending an "engineering-economics" plan. The idea of this contest is not only to interest students in the connections between economics and engineering in practical plans, but also to convince them of the necessity of being able to present the advantages of their idea.

The entrants must select their own subject and prepare it without faculty assistance. They are to choose some project which must be done and then plan a method for solving this problem, both from a good engineering standpoint and also from the point of view that it may be carried out more economically than any other method.

Differing from most contests of this nature, the plan must also be presented in a short talk before a small gathering of students and faculty members. The entrant must be able to defend the plan against adverse criticism. The three best contestants will then be chosen by judges from the engineering and economics departments, and will appear before a larger assembly to further present and defend their plan. The basis for the award will be soundness of the idea, arguments favoring the adoption of it, and the presentation of the plan orally before an audience.

Last year was the first time the contest was held, and the prize was won by Robert B. Abbe of the class of '38 enrolled in the Civil Department. The prize of \$100 is given by Wilfred L. Peele of the City Bank Farmers Trust Company of New York, who is an honorary alumnus of the Institute.

enced men in New England in dealing with the provision and maintenance of safety, and is well equipped to make this important subject of interest to all students. The dinner will be at 6:45, and the meeting, to which all are welcome, will commence about 7:45.

### Physics Department

At the Physics Colloquium of Tuesday, March 8, Professor Masius discussed the broadening of spectral lines. The discussion was confined to the effects arising from the Doppler effect, whereby, due to motion of molecules, the frequency and wave-length of emitted light is increased or decreased. Professor Masius discussed the application of the broadening of spectral lines to interferometer observations.

Professor Ewell will be the speaker at the Physics Colloquium Tuesday, March 15. His topic is as yet unannounced.

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## Campaigners Appeal To Students For World Peace

To the Youth of Worcester and Worcester County:

In its efforts to further the cause of peace in the world, the Worcester officials of the Emergency Peace Campaign have tried in many ways to bring the youth of Worcester and County to a realization of the fight at hand to keep the peace of the world secure. All too few have responded.

It is in this view again then, that we announce, for the evening of Wednesday, March 16th, at 8 P. M. in Dean Hall at the Woman's Club Building on Salisbury St., the illustrated lecture by Dr. Francis Onderdonk of Ann Arbor, Michigan, on "Thunder Over the Orient."

Surely such an intriguing title, in itself should fill Dean Hall to overflowing. It will call forth, in view of its deeper meaning, the youth of Wor-

chester and County, for after all it is you who will fight and die, mentally if not physically, if war should come to this hemisphere. Yet the amazing lack of interest which has been displayed at earlier meetings in behalf of peace—although not pre-war, seems to be a characteristic of youth displaying that they care little what may come. Such indifference cannot really exist.

We dare you then, the youth of Worcester and County, to listen to and see Dr. Onderdonk's lecture for peace; see for yourselves what will happen if you go to war. It will make you think, to see, and we hope, to act with us. Do you accept the challenge?

Sincerely yours,

Youth Division Committee  
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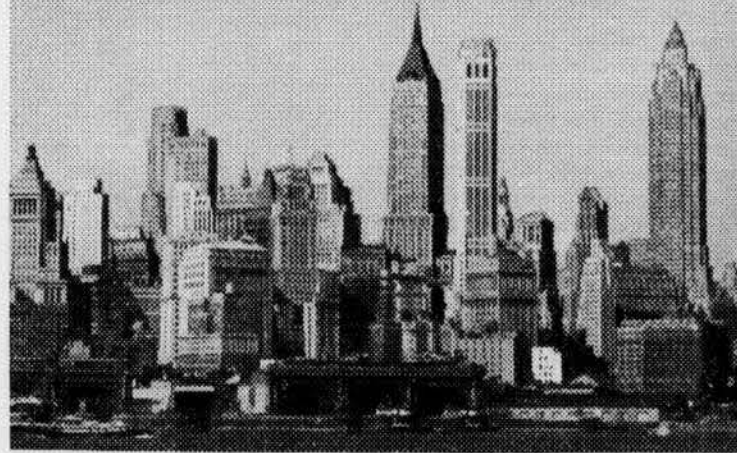
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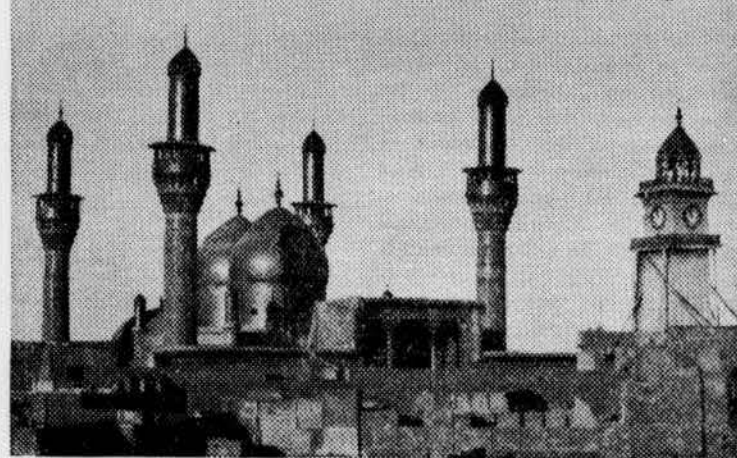
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## Tech Hoop Season Closes After Brilliant Unlucky Campaign

Munson, Jenkins, Elliot, and Bergstrom are Only Men On Squad To Be Lost by Graduation

### Regulars and J. V. Mainstays Point Toward Fine Team For Next Year

It's hard to believe that the 1937-38 basketball season is all over, but Tech's heroes took off their basketball shoes and trooped into the showers for the last time this season a week ago last Saturday, after that heart-breaking one point loss to Springfield College. Not until next December will Alumni Gymnasiums again re-echo to the roars of thrill-loving basketball fans.

With a few lucky breaks at the right times, the team might well have gone through the season undefeated. Everyone remembers that wild and woolly high scoring game against Rhode Island State. Rhode Island staged a strong closing surge to finish in the van by ten points, 71-61, but it was a thrill-jammed battle all the way. Late in the first half, Jack Rushton, who was a mainstay under the basket all season, suffered a recurrence of that painful knee injury which first bothered him in the game against Tufts on the previous Wednesday. This ten point loss was the heaviest sustained all season, but it seems very reasonable to believe that if Jack had been in there to cut down on Rhode Island's large number of sucker shots, the outcome of the game might have been decidedly different. During the first five minutes of this game, the team scored twenty-three points. This was their most deadly scoring offensive of the season, and if it had been continued with constant velocity, would have given them a total of one hundred-eighty points for the game.

The other five games dropped were all lost by a breath of wind; a couple of free try chances made good here and there being all that would have been necessary to turn the tide. Incidentally, the free try department has been for two seasons the only noticeable weak spot in the team's offense.

The two sweetest victories for Tech among the Saturday night home games were those against Brown and Mass. State. The Mass. State game was the more thrilling inasmuch as Tech erased State's twelve point half-time lead in the closing minutes of the game.

Of the varsity squad, four members will be lost by graduation: Munson, Jenkins, Bergstrom, and Elliot. Of these, only Dick Munson was a regular, and his great team work will be sorely missed next year. Due credit must be given to Captain McEwan for his ability to score in the tight spots, to Forkey and Rushton for their stellar work under the basket, and to Al Raslavsky for his brilliant shooting and floor generalship. Also to the younger players who will be stars during the next campaign.

Doc Carpenter ought to rate a big hand for the most attractive schedule of Saturday night home games which he arranged, and so should Pete who developed the team which came out of this year's stiff competition with flying colors.

### Averages Show Seniors Lead in Honors

(Continued from Page 1, Col. 2)

P. P. Koliss, E. K. Rogers, F. E. Wiley. **Third Honors**—W. L. Kuniholm, E. W. Leach, H. F. Lundquist, F. S. Raphael, W. R. Spofford, D. D. Stratton, R. B. Abbe, R. W. Cloues, A. L. Delude Jr., R. J. Donovan Jr., D. L. Milliken, R. W. O'Brien, J. B. Scalzi, A. L. Powell, W. S. Proctor, R. F. Burke Jr., N. A. Fitzgerald, H. W. Haynes, D. G. Mazur, R. M. Stawiecki.

#### JUNIOR CLASS

**First Honors**—W. L. Abel, W. R. Carson, J. G. Hollick, D. E. Mouser, R. W. Martin, R. B. Wilson, C. W. Lewin, G. E. Faiker Jr., A. A. Nims Jr.

**Second Honors**—C. H. Amidon Jr., R. V. Bergstrom, H. W. Humphrey Jr., F. N. Webster, M. R. Chandler, J. H. Lancaster, D. M. Burness, W. L. Kay, E. Roszko, E. C. Dench, J. J. Hagopian, A. J. Raslavsky, C. W. Thulin.

**Third Honors**—R. L. Iffland, W. L. Longnecker, D. McEwan, N. A. Packard, F. E. Strandberg, R. F. West, E. M. Moggio, F. B. Ritz, E. L. Sykes, C. A. Keyser, H. S. Blauvelt, E. E. Nutting, G. V. Pearson, L. G. Rourke Jr.

#### SOPHOMORE CLASS

**First Honors**—R. E. Dunfee Jr., R. A. Coleman, D. B. Zipser.

**Second Honors**—P. D. Bartlett, R. S. Brand, M. S. Burton, W. E. Crandall, A. S. Dinsmore, R. W. Hewey, R. G. Johnson, R. A. Lovell Jr., J. D. Lowd, H. J. Paulsen, M. Skeist, E. A. Martell, M. Wales, L. Goldsmith, W. F. Gruzdis, D. G. Howard Jr., H. B. Jenkins, A. R. Koerber, D. Rosenthal, R. B. Schlora F. S. Wackerbarth.

**Third Honors**—F. A. Crosby Jr., R. J. Forkey, K. W. Fowler, H. G. Freeman, W. C. Goodchild Jr., P. E. Johanson, D. A. Goodchild Jr., F. E. Miller, J. D. Morrison, J. H. Peters Jr., D. P. Ramaker, J. V. Smolinski, D. R. Bates, G. S. Bingham, W. C. Hotchkiss, L. C. Neale, M. E. Ross, C. H. Allen, W. T. Blades, C. S. Dickerman, C. F. Fritch Jr., M. R. Maleady, R. M. Swift, L. F. Behrent, R. G. Cannon, E. D. Cross, J. H. Dower, W. T. Gove, G. Lainer, G. M. Moore Jr.

#### FRESHMAN CLASS

**First Honors**—A. F. Anderson, F. A. Andrews, D. T. Atkinson, R. E. Bley, R. H. Bretton, A. S. Chodakowski, G. A. Cohen, F. H. Holland, S. Hopkins, P. Jaremko, H. D. Kingsley, S. J. Majka, R. A. Muir, R. W. Parks, F. S. Sherwin, L. H. White, R. F. Wilson.

**Second Honors**—A. S. Ashmead, E. M. Bates Jr., J. B. Bell Jr., J. W. Benedict, F. J. Benn Jr., K. B. Benson, G. J. Bibault, E. K. Boyd, R. B. Brautigam, I. A. Breger, G. T. Gurney, C. L. Hoebel, R. M. Holby, E. G. Jacober, T. Kostarides, M. B. Leneshka, T. R. Lewis Jr., J. F. McElroy, R. K. McIntyre, F. D. McKeown, N. C. Morrison, J. K. Mowery, P. G. Nystrom, H. W. Paige, W. F. Paulsen, S. M. Potter, C. P. Powell, J. V. Quinn, R. G. Ramsdell, S. S. Ribb, J. E. Schread, C. O. Smith, D. E. Smith, S. Soloway, V. H. Thulin, J. A. Waskiewicz, B. W. Watson, E. F. Webster, B. Williams Jr., A. E. Winslow, W. B. Zepp, F. W. Ziegler, H. R. Shailer.

**Third Honors**—B. S. Bean, A. G. Bellos, M. J. Bird, P. G. Bonin, Wm. Bosvk, F. J. Boyle, W. S. Bradford, B. P. Brownson, L. J. Burns, F. B. Chamberlin, R. A. Curran, A. Davidson, S. G. Davis, R. L. DeLisle, D. S. Denio, G. T. Douglass, K. R. Dresser, J. C. Ferguson, R. A. Fraser, L. B. Harding, J. H. Hinman, E. W. Howland, W. B. Kennedy, N. Klaucke, G. W. Knauff, V. A. Kolehs, M. Lerer, F. R. Lindberg, E. E. McNutt, H. Medwin, J. W. Morse.

## Phi Sig Leads Bowling Race

Undefeated as League Goes Into Third Week

Consistently good scores by Stauffer, Harding, and MacDonald have held Phi Sig at the top of the inter-fraternity bowling league standing. The team has yet to lose a point to any of the other houses. The league standings are as follows:

#### TEAM STANDING

	Won	Lost
P.S.K.	12	0
P.G.D.	13	3
T.U.O.	12	8
A.T.O.	9	7
T.X.	8	8
S.A.E.	8	12
T.K.P.	7	13
L.X.A.	6	10
S.O.P.	1	15

Highest single string—Hughes, A.T.O., 119. Highest 3 string total—Stone, P.G.D., 328. Highest team single—S.A.E.T.K.P., 393. Highest team total—P.G.D., 1,096.

## Tech Graduate Wins Prize By Best Article

(Continued from Page 1, Col. 4)

The paper is rather technical, and describes work done by the author at Worcester Tech while studying for his Master of Science degree in Electrical Engineering last year. The apparatus which Crumb designed and which he made operate successfully had for its function the "purification" of the voltage produced by alternating current generators. It is simply a filter for electrical power separating out the harmonics and all irregularities so that nothing passes through the filter circuit but pure sine wave voltage. Such electrical filters have been used for many years in communication circuits but Mr. Crumb was working in an original field in attempting to utilize the principles in power machinery.

Mr. Crumb came to Tech from Norwich, Conn. He graduated in 1936 and received his Master's degree in 1937. Upon completing his course he took a position with the General Electric Company and is now employed in their works at Schenectady, N. Y.

T. W. Niemiec, N. H. Osgood, A. V. Osipowich, G. K. Peck, W. B. Phelps, W. C. Richardson, H. E. Robertson Jr., E. M. Ryan, F. W. Sama, W. P. Simmons, J. J. Sugrue, R. J. Sullivan, A. H. Swanson, T. J. Sydor, L. P. Tillyer, R. W. Tuller, J. P. Wells, J. W. Whitaker Jr., W. E. Wiley, J. M. Wolkonowicz, J. S. Ingham, S. K. Lang, C. E. Nystrom.

#### HONOR GROUPS

First Term, 1937-1938					
Honors	Sr.	Jr.	Soph.	Fr.	Totals
1st	12	9	3	17	41
2nd	12	13	21	43	89
3rd	20	14	30	54	118
	44	36	54	114	248
Percent of class	48.9	25.5	30	50.2	38.8

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## Sophs Jolt Seniors in Final Game of Inter-Class Series 48-34

Forkey, Schlora and Gustafson Star For Victors and Munson and Jenkins For Seniors

### Sophs in 29-26 Victory Over Frosh Cagers

#### Class of '40 Regaining Its Prestige in Goat's Head Competition

Paced by lengthy Ray Schlora, the Sophomore hoopsters downed a fighting Freshman quintet to the tune of 29 to 26 last Wednesday afternoon at Alumni Gymnasium.

As the second year men never led by more than two points, the first half looked like anybody's ball game. The first quarter ended with the Sophomore aggregation leading, 13 to 12. The second quarter saw a basket apiece from Schlora, Forkey, and Gustafson; while a pair of sinkers from the hands of long John Wells kept the freshmen in the game, as the half ended with the men of '40 leading 19 to 16.

The second half started with a whole new Freshman team and a greatly revised Sophomore team. The Frosh seconds, unable to overcome the Sophomore lead, were replaced by the starters. Once again the yearlings were in the game as Francis Oneglia sank a couple of floor shots and a gift shot to tie it up, 25 all. But the freshman hopes were shattered as fleet-footed Frankie Gustafson, in the closing minutes of the game, sank two more to put the game on ice for the Sophomores, 29 to 25.

Scoring honors of the afternoon's fracas go to yearling Francis Oneglia who came through with eleven points for the first year men. This Sophomore victory brings the competition for the Goat's Head to five points for the class of '40 and seven for '41.

Score:

SOPHOMORES			
	fg	fp	tp
Forkey lf	3	0	6
Gustafson rf	3	0	6
Lafrance rf	0	0	0
Schlora c	4	0	8
Lambert lg	0	1	1
Carangelo lg	1	0	2
Cameron rg	3	0	6
Wackerbarth rg	0	0	0
	14	1	29

#### FRESHMEN

	fg	fp	tp
Bellos lf	2	0	4
Jeremco lf	0	0	0
Oneglia rf	5	1	11
Bosyck rf	0	0	0
Wells c	3	0	6
Bonin c	0	0	0
Thulin lg	1	0	2
Carroll lg	1	0	2
Knauff rg	0	0	0
	12	1	25

Referee: Booth.

## Seniors Defeat Chesty Juniors In Upset 31-29

### Over-Confident Juniors Are Surprised By Smooth Senior Team

The first interclass basketball game of the season went to the fourth-year-men last Wednesday to the count of 31-29. The pre-game favorites, the Juniors, who were composed chiefly of varsity material, exhibited flashes of individual brilliancy, but for the most part displayed sloppy teamwork. The tackling, blocking, elbowing, and holding made the game resemble football, or wrestling as much as basketball. The third-year-men incurred six fouls,

### Sophs' Height and Power Too Much For Tired Seniors In Nightcap

The Sophomores buried the Seniors, 48-34, in the finals of the interclass basketball series to become the 1937-1938 champions. It was a fast, well played game with only a minimum of roughness as compared to the preceding games.

Ray Schlora and Ray Forkey starred for the victors, their great height being the most valuable asset of the game. Little Frankie Gustafson played his usual whirlwind game, covering the entire floor and in on every play. Dick Munson, Frank Jenkins and Dick Elliot turned in the best performances for the Seniors with Munson the high scorer. Dick's eye was at its best and he sunk shot after shot, keeping the seniors in the running.

At the start of the game, it looked like a repetition of the Senior-Junior game. Munson swished one through in the first minute of the game to start the scoring. The Sophs started to emulate the Juniors by throwing the ball around with no display of teamwork. The Seniors made the most of it but the Sophs soon started with Schlora and Forkey ringing up two-pointers. The game was very close throughout the first half with the Sophomores leading by one or two points. At the half the score stood 22-19 in favor of the second year men.

At the beginning of the second half the Sophs jumped ahead in a flurry of baskets. The Seniors then really got down to business. Field goals by Elliot, Munson, Jenkins and Bergstrom slowly pared down the lead until with about eight minutes to go the score was tied at 32 all. After a time-out the Sophs gave an exhibition of some real basketball playing, piling up eight field goals while the Seniors did not ring the gong once. With about two minutes to go, both teams were changed and the "seconds" fought it out for the rest of the game, the Seniors finally managing to mark up one more basket.

Referee Booth turned in his usual performance. three of which were made good by the Seniors. The cheering of the rooters was infectious as the Junior quintet threatened a rebellion after one of Referee Booth's decisions.

The Seniors took the lead in the game right from the start after the Juniors had missed several field goals. The score wavered back and forth many times as the Seniors battled to maintain their slender margin, and the Juniors strove to catch up. When the horn sounded the end of the first half, the score stood 12-14 in favor of the The third-year-men incurred six fouls, class of '38.

At the beginning of the second half the leaders came back with the determination to increase their lead. This they did as Munson and Bergstrom combined to sink several baskets before the Juniors had fully realized that the second half had begun. At the start of the fourth quarter, the Juniors, refreshed by their rest, again sallied forth to start a scoring spree that threatened to put the game on ice. It was only due to dogged determination and an improved defense that kept the Seniors in the lead. When the final whistle sounded the score stood 29-31 in favor of the exhausted but exultant Seniors.

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## 26th Tech Carnival Attended by Gala Crowd

(Continued from Page 1, Col. 5)

another button is pressed, chooses Ray Forkey to win Barbara. After this final effort the machine threw off clouds of steam and blew up.

The Freshman skit was written by Milton Lemeska and managed by Earle Webster, with Jack Peterson as stage director and Merle Wright as property man. The cast consisted of Charles Hoebel as the Villain, John Dudley as the beautiful but somewhat rugged-looking Heroine, Edward Pacek as the Hero, complete with derby and schnozzle, William Simmons as Maw, and Keith McIntyre as Paw. The Villain sues for the hand of Nellie but Nellie is saving both hands for her Hero, who has been up digging gold in Alaska but who arrives on the scene in the middle of the first act. Foiled by this unexpected event, he kidnaps Nellie and offers her the traditional choice between him and the railroad track. Nellie chooses the railroad track but her Hero dashes up and overcomes the Villain, only to discover that he is a fraternity brother in Sigma Mu, so they both walk off and leave Nellie to her fate with the train approaching. Andrew Anderson, as the Echo, supplies the offstage comments through the public address system.

The faculty act, "Uncle Tom's Cabin," adapted by the George S. Kaufman of Worcester Tech, Mr. B. L. Wellman, departed rather widely from the original and had no discernable plot but it did not seem to suffer much on that account. Prof. F. W. Roys played the part of Uncle Tom. Prof. H. J. Gay played Aunt Chloe, Prof. K. G. Mirriam was a tax collector, Mr. Wellman was a low pressure salesman, Mrs. H. A. Maxfield played Little Eva as it has never been played before, Mr. F. S. Finlayson was Topsy, and Prof. H. A. Maxfield played the part of the doctor. The telephone sequence in the first act would have done credit to any radio comedian.

The freshman act was aided by Gus Coontz as an entertaining, if somewhat irrelevant, Hitler stooge, an act which would have netted him some years in a concentration camp if he had played it in his native Austria today.

The committee which managed the carnival and was largely responsible for its success consisted of John Alcock, General Chairman, Robert Martin, Business Manager, William Ahearn, Stage Manager, Mr. B. L. Wellman, director of the faculty act, W. Alex Patterson, director of the sophomore act, Earle Webster, director of the freshman act, and Prof. Paul R. Swan, ex-Officio member representing the Tech Christian Association.

The judges who decided the contest were Dr. Charles A. Pierce, Dr. Gleason H. MacCullough, and Prof. Edwin Higginbottom.

Candy was made by the wives of the faculty and sold by the daughters of the faculty under the direction of Miss Gertrude Rugg.

The spotlights, a new feature in the carnival this year, were borrowed from the Elm Street Theatre by Bill Ahearn.

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## Plans Working Out Well For Junior Prom

(Continued from Page 1, Col. 4)

Jacques: Wait 'til you see Mae Ward. She is "smooth"!

Gravelin: It'll sweep her off her feet. (Referring to the favors.)

Chase and Lewin: "We'll fix the hall, but please leave the decorations until the dance is over."

Boosahda and Kaplan: Even we are enthusiastic.

Keyser: Everyone I've talked to is enthusiastic.

## Prof. J. Anton de Haas To Speak at Assembly

(Continued from Page 1, Col. 1)

announcements of honors and scholastic standing for the last term at the assembly Wednesday.

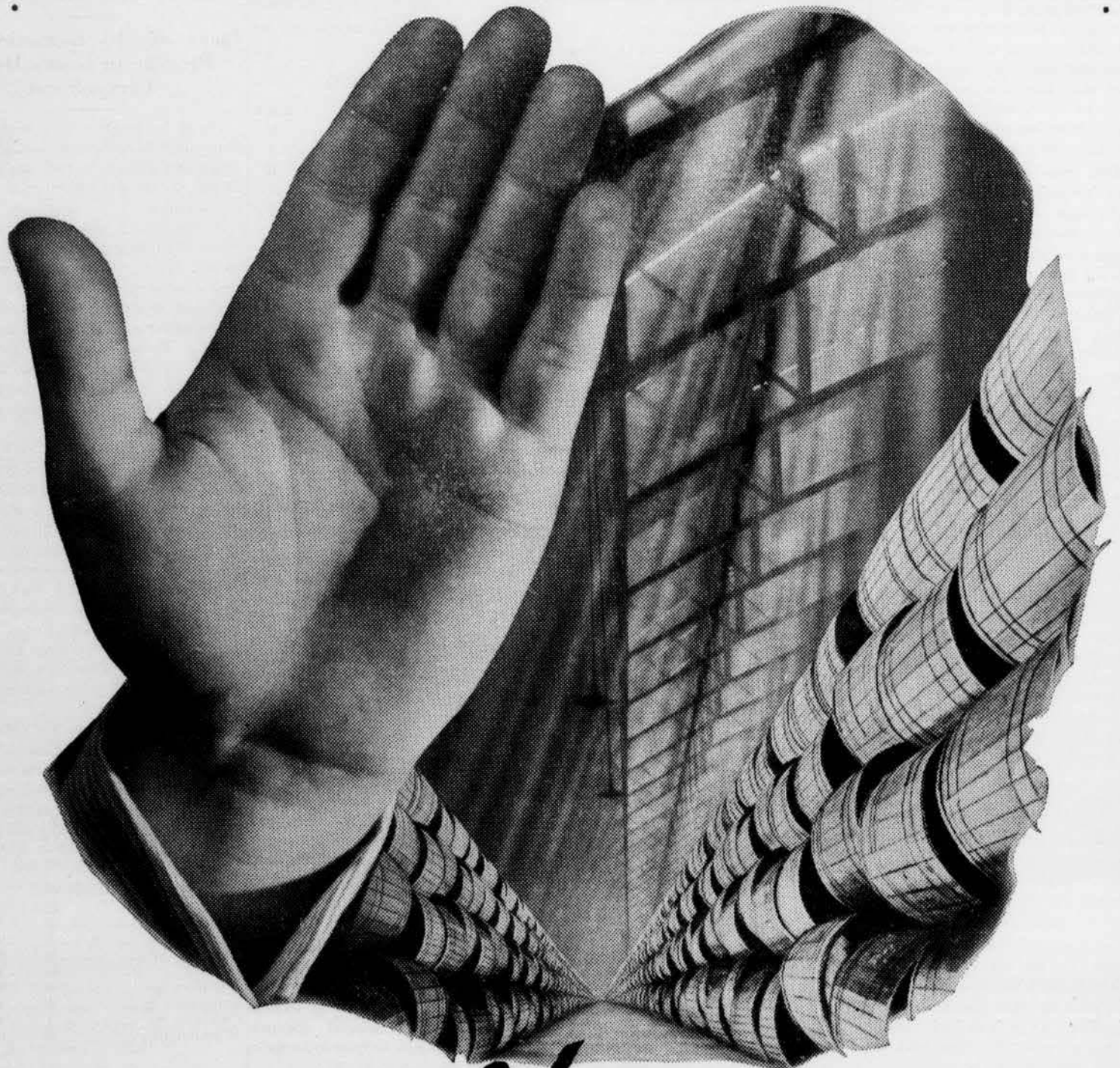
## Dean's Chapel Talk of Value to Students

(Continued from Page 1, Col. 3)

sharing the thoughts and ideas and imaginations of competent writers in whatever field. Be willing and even eager to obtain all the understanding that may be possible for you, by your attention to your studies here in the courses in language, history, politics, economics and business, as well as by

your reading and your discussions, of the great principles of human progress that persist through all change. And finally, be willing to yield yourselves to the moulding and guiding influence of a true religious spirit and faith, to the end that, however hard may be the battle ahead, you shall renew your strength, you shall mount up with wings as eagles; you shall run, and not be weary; and you shall walk, and not faint.

Jerome W. Howe



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