

FINANCIAL SUCCESS IS ASSURED JUNIOR PROM COMMITTEE

Richard L. Fossett '33 Says There May Be A Slight Amount of Profit

FEW RESERVATIONS LEFT

Despite all rumors to the contrary, the Junior Prom will very definitely be a success financially, according to a statement made by Richard L. Fossett '33, chairman of the Prom Committee. The expenses of the function will all be met from the money taken in through sale of tickets and there may possibly be a surplus to be added to the Junior Class treasury. "Should there actually be a profit, it will be the first time in several years that a Junior Prom has shown a surplus," Fossett said yesterday.

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"What's Wrong with Modern Engineering Education," is the stimulating title under which two articles are to appear. One, expressing the viewpoint of a Faculty member, is written by Ernst A. Guillemin, Professor in the Communications Division of the department of Electrical Engineering. The other, giving the viewpoint of the student, is by Beaumont H. Whitton '33, present Editor of THE TECH. The first analyzes lecture methods, and shows how they may be improved; the second makes a more general survey of engineering education, with particular reference to student-Faculty relationships.

BROCKTON TAKES SCHOOL TOURNEY

Captures Crown For First Time By Beating Fitchburg In Overtime

Brockton High School won the annual Tech tourney, emblematic of the schoolboy championship of eastern Massachusetts, for the first time, on Saturday night by edging Fitchburg High, the defending champions, in a thrilling overtime encounter. Trailing by 18-14, with less than a minute to play, the Shoe City passers sank two lucky shots to knot the count, and went on to win in a three-minute overtime period by 20-19.

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Fire Causes \$3000 Damage at Delta Upsilon Fraternity House in Boston

Discovery Is Made By George Wuestefeld At 3.00 A. M. Saturday Morning

Thirty students living at the Delta Upsilon fraternity house, 526 Beacon Street, Back Bay, were driven to the street at 3 o'clock Saturday morning when a fire of unknown origin started in the basement of the five-story dwelling. Damage was estimated at \$3000.

According to the police, the fire started in the boiler room, near the boiler, and went through the walls to the first floor, where it was checked after burning the front stairs. It was definitely established that the boiler was not the cause of the blaze, since the boiler was completely untouched.

The dense smoke in the building aroused George E. Wuestefeld '34 and another student who were the only two persons asleep in the building at the time. These two members had retired early because of training for track. The remaining members were just returning or had not yet returned from a late dance.

Smoke and Water Damage

Members of the Theta Chi fraternity, in the adjoining house at 528 Beacon Street, housed the students who were driven out for the remainder of the morning. The damage was caused mostly by smoke and water. None of the students lost any personal belongings. The students were able to return to their quarters by Saturday evening.

E. E. Colloquium Led By Dr. Hocker From Bell Telephone Laboratories

Will Discuss Use Of Ceramic Products In Telephone Industry

The second of the colloquia series given by the Electrical Engineering Department through the courtesy of the Bell Telephone Laboratories will be led by Dr. C. D. Hocker, Ceramics Apparatus Engineer, and director of the study of ceramic products at the Bell Laboratories. This colloquium, the presentation and discussion of which will occupy two days, will be held today and tomorrow from 2 to 4 o'clock in Room 10-275.

Dr. Hocker received his A.B. degree from Wabash College in 1912 and three years later the Ph.D. degree from the University of Michigan. Entering the Chemical Research Department of the Engineering Department of the Western Electric Company, predecessor of Bell Telephone Laboratories, he participated in investigations of vacuum tube filaments, enameled wire, metal finishes, and corrosion and its testing; and supervised at various times groups engaged in metal-

lurgy, chemical analysis, research on transmitter carbon, and current engineering activities. In 1927 he transferred to the Outside Plant Development Department where, as Ceramics Apparatus Engineer, he has charge of groups investigating conduits and their construction, ceramic insulators, paints, miscellaneous products, and cable joining and maintenance.

Talking Pictures Will Be Shown

During the past few years the Bell Laboratories has been conducting extended development work on Ceramic Products, particularly pole-line glassware and multiple-tile conduit. This subject will be discussed by Dr. Hocker in the presentation of the colloquium which is open to interested Senior and graduate students. In addition to the discussion, a talking motion picture illustrating the method of laying conduit will be shown. This picture has been developed for the purpose of instructing the field forces, and supplements printed handbook specifications.

(Continued on page three)

FRATERNITY AND DORMITORY SCHOLASTIC STANDINGS

(as of end of First Term 1931-32)

Comparative Standing of 27 Chapters (based on February 1932 marks)	Increase over June '31	Increase over Feb. '31	Comparative Standing of 27 Chapters over previous five-year period			
1. Sigma Alpha Epsilon.....3.22	0.13	0.26	1. Phi Beta Delta			
2. Phi Beta Delta.....3.217	*0.053	0.267	2. Sigma Nu			
3. Beta Theta Pi.....3.213	0.371	0.389	3. Alpha Kappa Pi			
4. Kappa Sigma.....3.08	0.00	0.024	4. Sigma Chi			
5. Theta Delta Chi.....3.07	0.23	0.39	5. Sigma Alpha Mu			
6. Sigma Chi.....3.062	*0.128	0.132	6. Theta Chi			
7. Sigma Nu.....3.05	0.00	0.11	7. Phi Gamma Delta			
8. Alpha Kappa Pi.....3.02	*0.02	0.256	8. Sigma Alpha Epsilon			
GENERAL AVERAGE						
ALL UNDERGRADUATES.....2.99	*0.10	0.07	9. Chi Phi			
9. Phi Kappa Sigma.....2.95	0.18	0.05	10. Kappa Sigma			
10. Theta Chi.....2.938	0.178	0.144	11. Delta Upsilon			
11. Tau Delta Phi.....2.934	12. Psi Delta			
12. Phi Mu Delta.....2.93	*0.20	0.13	13. Phi Mu Delta			
AVERAGE ALL FRATERNITY MEN.....2.91				0.02	0.13	14. Beta Theta Pi
13. Chi Phi.....2.91	*0.07	0.36	15. Lambda Chi Alpha			
14. Phi Gamma Delta.....2.876	*0.084	*0.014	16. Phi Beta Epsilon			
15. Phi Beta Epsilon.....2.873	*0.127	0.112	17. Tau Delta Phi			
16. Psi Delta.....2.855	0.065	0.045	18. Alpha Tau Omega			
17. Alpha Tau Omega.....2.855	0.014	0.025	19. Theta Delta Chi			
18. Phi Sigma Kappa.....2.837	0.257	0.137	20. Delta Kappa Epsilon			
19. Delta Psi.....2.818	0.178	0.638	21. Phi Kappa Sigma			
20. Lambda Chi Alpha.....2.806	*0.204	*0.104	22. Theta Xi			
21. Delta Tau Delta.....2.775	*0.195	0.185	23. Phi Kappa			
22. Delta Upsilon.....2.757	*0.214	0.137	24. Delta Tau Delta			
23. Phi Kappa.....2.732	0.052	0.312	25. Phi Sigma Kappa			
24. Sigma Alpha Mu.....2.68	*0.55	*0.38	26. Delta Psi			
25. Delta Kappa Epsilon.....2.60	*0.47	*0.26	27. Phi Iota Alpha			
26. Theta Xi.....2.599	0.179	*0.061				
27. Phi Iota Alpha.....2.51	*0.15	0.24				
Comparative Rating System Average of Fraternity and Dormitory Undergraduate Groups						
Fraternity Seniors.....3.188	*0.072	0.188				
Dormitory Seniors.....3.18	*0.12	0.07				
Fraternity Juniors.....2.967	0.057	0.207				
Dormitory Juniors.....3.10	*0.02	0.13				
Fraternity Sophomores.....2.855	0.135	0.255				
Dormitory Sophomores.....3.07	0.08	0.20				
Fraternity Freshmen.....2.765	*0.005	0.005				
Dormitory Freshmen.....3.06	*0.06	*0.09				
General Average.....2.91	*0.02	0.13				
(Fraternity)						
General Average.....3.09	*0.06	0.05				
(Dormitory)						

* Decrease

OFFICIAL BULLETINS OF GENERAL INTEREST

Colloquium Electrical Engineering Department
Monday, March 14, and Tuesday, March 15, 2.00 p.m., Room 10-275
 Dr. C. D. Hocker, Ceramics Apparatus Engineer, Bell Telephone Laboratories, will lead the colloquium which is to be on the subject "The Use of Some Ceramic Products in the Telephone Industry."
 Open to Seniors, graduate students, Junior honors students and members of the instructing staff of the departments of Electrical Engineering and Physics.

C · A · L · E · N · D · A · R

Friday, March 11

4.30 p.m. — "X-Ray Scattering and Molecular Structure" lecture by Professor P. Debye in Room 4-270.
 9.00 p.m. — Dormitory Dance in Walker Memorial.

Undergraduate Notices

PHOTOGRAPHIC SOCIETY

There will be a meeting of the M. I. T. Photographic Society on Friday, March 11, in Room 5-130, at 5 o'clock. Officers will be elected and arrangements for the mid-term exhibition of pictures made.

MUSIC ROOM RECORDS

It is requested that all records which have been borrowed from the Walker Memorial music room be returned at once. The music is now being catalogued and it is essential that all the records should be available.

A. E. S. GLIDER TO BE FINISHED SOON

New Ship To Take Place Of Old Faithful, "409"; Will Be Of Light Weight

Incorporating new principles of design and construction, the glider of the Aeronautical Engineering Society is rapidly nearing completion in Building 33. The two wing panels have been practically completed as well as the entire tail assembly.

The work completed so far comprises the major portion of the glider. The fuselage, which is to be made of very light welded steel tubing, will be left until the last. This is done because the work on this unit, although not necessitating much time, will have to be completed by an experienced welder.

The Society has been at work on this project since last November. The glider has necessitated a great deal of time and study on the part of the builders since the construction is of so radical a departure from the usual conventional methods of glider design. The principal change has been a new wing section, which will give strength as well as a minimum of drag. Other features have been incorporated and the finished product will undoubtedly be an advance in this form of aviation.

Those working on the glider hope to finish the construction by the spring vacation so that a number of flights can be made at this time. The work in progress now needs as much assistance as can be obtained from anyone interested in this form of aviation, if the glider is to be finished on schedule time. All those interested in this project are urged to come to Building 33 on Saturdays.

WILL PRESENT PAPER AT A. I. E. E. MEETING

Elwood Schafer '32, a student in Course VI-C and a Research Assistant at the Lahey Clinic, will talk on "Modern Applications of Electricity in Medicine," at the dinner meeting to be held by the M.I.T. Branch of A.I.E.E. in the North Hall of Walker Memorial on Tuesday, March 15. He will also lead the general discussion which is to follow. The meeting will begin at 6 o'clock.

Dinner tickets are 55 cents each and may be secured from any member of the Executive Committee or in Room 4-203 before Monday noon. All are invited to attend.

GYM TEAM WILL MEET DARTMOUTH

Abbott Back From Injuries; To Re-Enter Tumbling

After recently whipping the gymnastic teams of New York University and Temple in two successive meets, the Technology gym team varsity meets Dartmouth on their home floor. The meet will take place at Hanover tomorrow afternoon.

To date the Beavers have lost but one meet, at which the team from the Naval Academy downed them on their home floor in Walker. Aside from that fact, all scores have been on the Beavers' side.

So far the wearers of the Green have had varying luck in their encounters. They have downed Bowdoin, tied Springfield, and have lost to Princeton. Not much is known regarding the strength of the team as a whole, but it is rumored that there are several outstanding performers on it which are likely to make trouble for the men from Cambridge.

Ericson will probably come close to the Institute record which he made last week in the encounter with Temple in the rope climb event. He, together with Getting, are expected to reap the majority of points for the Beavers.

SCHOOL BASKETBALL TOURNAMENT STARTS

Lowell and Fitchburg Quintets Win First Two Games

Play started in the Eastern Massachusetts Interscholastic Basketball Tournament yesterday afternoon in the Hangar Gym at 3 o'clock, with Lowell High staging a great rally in the second half to overcome Lynn English by a 22-19 score. The losers, who were the favorites, outplayed Lowell for the greater portion of the game, but the latter team was unusually lucky in the last few minutes, and pulled out with the victory. Following this exciting contest, Fitchburg High, one of the two leading contenders in the Tournament, met Haverhill in a one-sided contest, leading by 22-4 at half time. Their final margin of victory was 39-11.

Following a dinner in North Hall, Salem faced New Bedford; and Brockton, the other favorite, was pitted against Rindge Tech of Cambridge. But these games were played too late last evening for their results to be obtained. Fitchburg, judging by their excellent play yesterday, should be one of the final contestants. Today the semi-finals will take place, with the two winners of yesterday afternoon meeting in one final, and last night's survivors fighting it out in the other. The finals, for the high school championship of Eastern Massachusetts, will be held tomorrow night in the Hangar Gym. Admission to outsiders is fifty cents; Institute students may gain admission by showing their Bursar's Cards.

Coach Henry P. McCarthy of the Engineer team, assisted by a large group of basketball experts, picked the eight quintets taking part in the tournament. Referees Kelleher, Hoyt, and Clark, who officiate at many Institute contests, are handling all the games.

FRESHMEN BEGIN P. T. COMPETITION

Ambitious freshmen who are substituting track for Physical Training have started their tryouts for the annual P. T. competition. This competition consists of eight track events, of which any one may be omitted by each contestant.

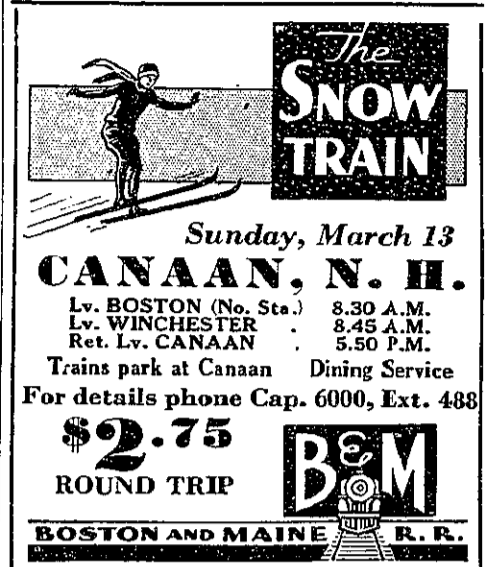
All scoring is done on the basis of the freshman records for the events. Points gradually work up from one or two for poor performances to 100 points for tying a record. Even more points can be made by breaking a record. The events included in the competition are the shot put, running broad jump, running high jump, 50-yard dash, 60-yard low hurdles, 440-yard dash, 880-yard run, and the mile run.

Last year's winner was Charles W. Hall, whose total score was 533 points. Hall was closely followed by Earl Lockhart with 517 points, and Walter Wrigley with 509 points.

If the coming week brings forth a little good weather, the present records may fall thick and fast.

W. M. HALL SPEAKS TO RADIO SOCIETY

Stressing the importance of the loud speaker in modern methods of sound production, Mr. William M. Hall of the Electrical Engineering Department headed the program of the Radio Society yesterday afternoon.



The SNOW TRAIN
 Sunday, March 13
CANAAN, N. H.
 Lv. BOSTON (No. Sta.) 8.30 A.M.
 Lv. WINCHESTER 8.45 A.M.
 Ret. Lv. CANAAN 5.50 P.M.
 Trains park at Canaan Dining Service
 For details phone Cap. 6000, Ext. 488
\$2.75
 ROUND TRIP
B&M
 BOSTON AND MAINE R. R.

MacDONALD & GOLDFARE Tailors

Formerly with Macullar Parker Co.
73 TREMONT STREET, BOSTON
 Fine Fabrics Tailored in Style
 Prices Reduced in Keeping with the Times

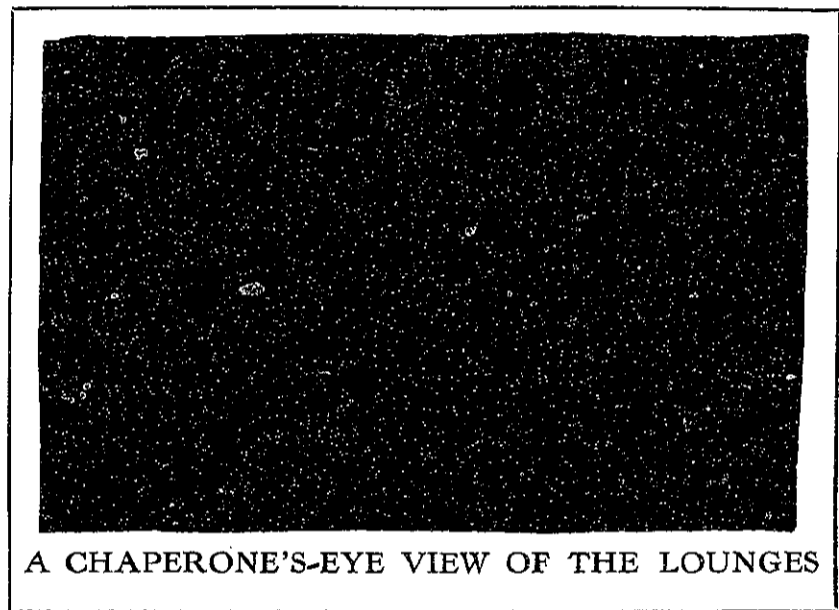
Walton Lunch Co.

420 Tremont Street
 629 Washington Street
 30 Haymarket Square
 6 Pearl Street
 242 Tremont Street
 1083 Washington Street
 44 Scollay Square
 332 Massachusetts Avenue
 19 School Street
 437 Boylston Street
 1080 Boylston Street
 34 Bromfield Street
 540 Commonwealth Avenue
 204 Dartmouth Street
 105 Causeway Street

ALLSTON
 1215 Commonwealth Avenue
 CAMBRIDGE
 78 Massachusetts Avenue

★★★★★
FINAL!

★★★★★
FINAL!



A CHAPERONE'S-EYE VIEW OF THE LOUNGES

"Let There Be Light"—

Bellowed the Managing Editor, and the flash of a THE TECH photographer burst the gloom. Angry males charged the reporter — but the camera does not lie. The intimate scenes revealed will provide nourishment to the sex-starved students of the Institute.

THE TABLOID EDITION

OF

THE TECH

ON SALE AT THE JUNIOR PROM

HOTEL KENMORE BARBER SHOP
 :: WHERE TECH MEN GO ::
 Very Convenient 490 COMMONWEALTH AVENUE
 For Fraternity Men AT KENMORE SQUARE

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One of the most fascinating of research fields, the study of prehistoric evolution and the formation of the earth, will be surveyed in Professor Morris' series of articles. As a geologist, his special line of study has been the history of the earth as revealed by the structure of its crust. He has also been led to examine the story from the viewpoint of allied sciences: anthropology, paleontology, and astronomy. As a result, Professor Morris is particularly well trained in the subject with which he is to deal. His articles will be illustrated with explanatory diagrams showing various theories of the formation of the earth.

Second on the list of contributors to the March *T. E. N.*, is William I. McNeill '17, who writes on "Accounting—a New and Promising Field for Engineering Graduates." The purpose of his article is "to point out the very real opportunities in the accounting field for engineers with accounting fundamentals acquired through a commercial engineering course such as Course XV." Himself an outstanding example of the engineer in the field of accounting, Mr. McNeill analyzes the work of the accountant and shows how the necessary qualifications are met by engineering graduates.

"What's Wrong with Modern Engineering Education," is the stimulating title under which two articles are to appear. One, expressing the viewpoint of a Faculty member, is written by Ernst A. Guillemin, Professor in the Communications Division of the department of Electrical Engineering. The other, giving the viewpoint of the student, is by Beaumont H. Whitton '33, present Editor of *THE TECH*. The first analyzes lecture methods, and shows how they may be improved; the second makes a more general survey of engineering education, with particular reference to student-Faculty relationships.

Fire Causes \$3000 Damage at Delta Upsilon Fraternity House In Boston

Discovery Is Made By George
Wuestefeld At 3.00 A. M.
Saturday Morning

Thirty students living at the Delta Upsilon fraternity house, 526 Beacon Street, Back Bay, were driven to the street at 3 o'clock Saturday morning when a fire of unknown origin started in the basement of the five-story dwelling. Damage was estimated at \$3000.

According to the police, the fire started in the boiler room, near the boiler, and went through the walls to the first floor, where it was checked after burning the front stairs. It was definitely established that the boiler was not the cause of the blaze, since the boiler was completely untouched.

The dense smoke in the building aroused George E. Wuestefeld '34 and another student who were the only two persons asleep in the building at the time. These two members had retired early because of training for track. The remaining members were just returning or had not yet returned from a late dance.

Smoke and Water Damage

Members of the Theta Chi fraternity, in the adjoining house at 528 Beacon Street, housed the students who were driven out for the remainder of the morning. The damage was caused mostly by smoke and water. None of the students lost any personal belongings. The students were able to return to their quarters by Saturday evening.

E. E. Colloquium Led By Dr. Hocker From Bell Telephone Laboratories

Will Discuss Use Of Ceramic
Products In Telephone
Industry

The second of the colloquia series given by the Electrical Engineering Department through the courtesy of the Bell Telephone Laboratories will be led by Dr. C. D. Hocker, Ceramics Apparatus Engineer, and director of the study of ceramic products at the Bell Laboratories. This colloquium, the presentation and discussion of which will occupy two days, will be held today and tomorrow from 2 to 4 o'clock in Room 10-275.

Dr. Hocker received his A.B. degree from Wabash College in 1912 and three years later the Ph.D. degree from the University of Michigan. Entering the Chemical Research Department of the Engineering Department of the Western Electric Company, predecessor of Bell Telephone Laboratories, he participated in investigations of vacuum tube filaments, enameled wire, metal finishes, and corrosion and its testing; and supervised at various times groups engaged in metal-

lurgy, chemical analysis, research on transmitter carbon, and current engineering activities. In 1927 he transferred to the Outside Plant Development Department where, as Ceramics Apparatus Engineer, he has charge of groups investigating conduits and their construction, ceramic insulators, paints, miscellaneous products, and cable joining and maintenance.

Talking Pictures Will Be Shown

During the past few years the Bell Laboratories has been conducting extended development work on Ceramic Products, particularly pole-line glassware and multiple-tile conduit. This subject will be discussed by Dr. Hocker in the presentation of the colloquium which is open to interested Senior and graduate students. In addition to the discussion, a talking motion picture illustrating the method of laying conduit will be shown. This picture has been developed for the purpose of instructing the field forces, and supplements printed handbook specifications.

(Continued on page three)

FRATERNITY AND DORMITORY SCHOLASTIC STANDINGS (as of end of First Term 1931-32)

Comparative Standing of 27 Chapters (based on February 1932 marks)	Increase over Jan. '31	Increase over Feb. '31	Comparative Standing of 27 Chapters over previous five-year period
1. Sigma Alpha Epsilon.....3.22	0.13	0.26	1. Phi Beta Delta
2. Phi Beta Delta.....3.217	*0.053	0.267	2. Sigma Nu
3. Beta Theta Pi.....3.213	0.371	0.389	3. Alpha Kappa Pi
4. Kappa Sigma.....3.08	0.00	0.024	4. Sigma Chi
5. Theta Delta Chi.....3.07	0.23	0.39	5. Sigma Alpha Mu
6. Sigma Chi.....3.062	*0.128	0.132	6. Theta Chi
7. Sigma Nu.....3.05	0.00	0.11	7. Phi Gamma Delta
8. Alpha Kappa Pi.....3.02	*0.02	0.256	8. Sigma Alpha Epsilon
GENERAL AVERAGE			
ALL UNDERGRADUATES.....2.99	*0.10	0.07	9. Chi Phi
9. Phi Kappa Sigma.....2.95	0.18	0.05	10. Kappa Sigma
10. Theta Chi.....2.938	0.178	0.144	11. Delta Upsilon
11. Tau Delta Phi.....2.934			12. Psi Delta
12. Phi Mu Delta.....2.93	*0.20	0.13	
AVERAGE ALL			
FRATERNITY MEN.....2.91	*0.02	0.13	13. Phi Mu Delta
13. Chi Phi.....2.91	*0.07	0.36	14. Beta Theta Pi
14. Phi Gamma Delta.....2.876	*0.084	*0.014	15. Lambda Chi Alpha
15. Phi Beta Epsilon.....2.873	*0.127	0.112	
16. Psi Delta.....2.855	0.065	0.045	16. Phi Beta Epsilon
17. Alpha Tau Omega.....2.855	0.014	0.025	17. Tau Delta Phi
18. Phi Sigma Kappa.....2.837	0.257	0.137	18. Alpha Tau Omega
19. Delta Psi.....2.818	0.178	0.638	19. Theta Delta Chi
20. Lambda Chi Alpha.....2.806	*0.204	*0.104	20. Delta Kappa Epsilon
21. Delta Tau Delta.....2.775	*0.195	0.185	21. Phi Kappa Sigma
22. Delta Upsilon.....2.757	*0.214	0.137	22. Theta Xi
23. Phi Kappa.....2.732	0.052	0.312	23. Phi Kappa
24. Sigma Alpha Mu.....2.68	*0.55	*0.38	24. Delta Tau Delta
25. Delta Kappa Epsilon.....2.60	*0.47	*0.26	25. Phi Sigma Kappa
26. Theta Xi.....2.599	0.179	*0.061	26. Delta Psi
27. Phi Iota Alpha.....2.51	*0.35	0.24	27. Phi Iota Alpha

Comparative Rating System Average of Fraternity and Dormitory Undergraduate Groups

Fraternity Seniors.....3.188	*0.072	0.188
Dormitory Seniors.....3.18	*0.32	0.07
Fraternity Juniors.....2.967	0.057	0.207
Dormitory Juniors.....3.10	*0.02	0.13
Fraternity Sophomores.....2.855	0.135	0.255
Dormitory Sophomores.....3.07	0.08	0.20
Fraternity Freshmen.....2.765	*0.005	0.005
Dormitory Freshmen.....3.06	*0.06	*0.09
General Average.....2.91	*0.02	0.13
(Fraternity)		
General Average.....3.09	*0.06	0.05
(Dormitory)		

* Decrease

A Record of Continuous News Service for Over Fifty Years



Official News Organ of the Undergraduates of M. I. T.

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PLAIN FACTS

APPEARING elsewhere in this issue is a table showing the scholastic ratings of the various social fraternities and the Dormitory residents. On examination this table yields some interesting information and some facts that may be of value to both fraternity and non-fraternity men alike. The most noticeable feature of the statistics is that the average of all the fraternity men is below that of both the Dormitory men and the entire undergraduate body. Why this should be so when it is generally conceded that the fraternity men are a picked group appears unanswerable. It is our belief that in general, throughout the country, fraternity scholastic standings are higher than those of dormitory groups. The situation at the Institute offers a challenge to the fraternities.

As an encouragement to the Greek-letter organizations, it is to be noticed that, as a group, their increase in cumulative rating over that of last February is greater than that of either the Dorms or the student body as a whole. In addition, their decrease from last June is smaller than that of either of the other two groups. The decline from last June in cumulative ratings for all three groups can be explained by the fact that February averages are always lower than those of June, because a number of men with extremely low cumulatives are dropped at mid-terms and so do not pull down the average during the spring term.

It is to be noticed that all three groups, fraternities, Dorms, and the entire undergraduate body, have raised their ratings of last February. This may have some significance. Perhaps it indicates that as time goes on scholastic work at the Institute will become increasingly exacting, but the period for which we have scholastic ratings is entirely too short to attempt to draw conclusions from it.

By the aid of these tables, which have been prepared in accordance with the MacKinnon System Rating, each fraternity group is able to compare its scholastic record with those of the other similar groups. In permitting such a comparison the tables serve a useful purpose. Members of a house are brought face to face with the plain facts. The group is improving in scholarship, standing still, or declining. The first is cause for commendation, the second for a negative comment, and the third for action on the part of those directing the group.

By comparison with the similar table issued previously, we find that several fraternities now listed among the first ten were considerably below their present positions at this time last year. We also find that some have suffered marked declines. Some few remain practically unchanged in position. The facts are shown. They may cause gratification or alarm. In the first case there is no reason for a decrease in activity; in the second there is reason for renewed scholastic endeavor on the part of the men concerned.

GIVING UNDERGRADUATE ASSISTANCE

NEWSPAPERS, from the college tri-weekly to the metropolitan daily, have but two sources of income: subscriptions and advertising. No paper can continue to exist without both. The income from either alone cannot possibly balance a budget which includes overhead, office supplies and mailing, in addition to the regular printing.

Publications over the entire country have felt the depression in the form of smaller income from both sources. The student papers and magazines at the Institute are no different from the others; they, too, feel the effect of smaller advertising income.

It's too old a story to make a plea for student patronage of our advertisers. Unconsciously we patronize those whose ads we see, and students must make their purchases of necessities, depression or no depression. Mentioning the fact that one has seen a merchant's ad in a student paper does in some small way contribute to a larger income for some student activity.

PROMOTIONS

THE Managing Board of Volume LII takes pleasure in announcing the promotion of David A. Robbins to the position of Photographic Editor.



The Lounger mentioned the fight about the issue of the *Filler Paper* in Institute Committee meeting last week, which brings to mind the fact that good old *Filler* will have to produce some pertaters to get a rise after the Tabloid Issue has had its innings—that is, if they have nerve enough to print some of the pictures that are floating around the office.

The story on the pictures brings to mind the now defunct Arno-Vanderbilt feud. It seems that some enterprising freshman photographer with a yen for points in the Staff Competition, casually wandered around the lounges at the Sophomore dance taking flashlights. Well, you can imagine my embarrassment! All the startled swains are now threatening the inspired cluck with everything from mavhem to mavhap, not to mention a sock on the nose, if said works of art appear. In the spring a young man's fancy lightly turns to thoughts of the *Filler Paper* and East Lounge of a Friday evening.

Speaking of dances, the Lounger suddenly found himself face to face with some beautiful creation of the evening in that winter resort of the elite known to all Institute men as "Shadowland." Don't be surprised, boys, it was quite unexpected. As a matter of fact, the Lounger would be grateful for any information concerning the earlier part of the evening. There seems to be a vague recollection about bottling something. Yes, I said "bottling." But to get on with the story—after several attempts to look hard-boiled enough to get someone to dance with him, the Lounger finally whirled off to the inspiring cadence of some bunch of horn-tooters for a dance or two, only to have some sickly looking pool-room hero cut the dream short. After considerable belligerence on the part of both components, the girl finally went her way with the other guy—as usual, leaving the Lounger to wend his weary, disillusioned way homeward. Who said something about spring and the young man's fancy?

Was it only yesterday that we passed by the new Vice-President? And so close we mighta spit on him, too—no kiddin'. All of which is pertinent to the dilemma in which the new division of Technology leaves the IV-A men. These poor unfortunates now find themselves half man and half architect.

Circus Day draws ever nigher, and all the frat-club-eating-house-lodges are dusting off their collective brains to devise some form of entertainment which will be at the same time entertaining to the on-looker and lucrative to the treasury. If the coeds really want to do something, they might panic the audience by staging an exhibition of a real live Technology coed walking down the hall, which action reminds one of nothing so much as a Technology coed walking down the hall.

Perhaps they should name April First, "Inhibition Day," or something similar. Every house on the so-called campus has applied for a gambling concession of some sort. And still the coeds insist on their rights.

We ought to be able to attach some significance to the occurrence of the D. U. fire just after they finished a dance, but who hasn't? We understand one yep tried to use the waking bell for a fire alarm, which makes it a wonder that the old barn didn't burn down without anyone being the wiser.

This one may be a little old, now that the Nationalist uprising in India is dying down, but while the Ghandi jokes were still floating around the country, two merry funsters in the Phi Sig house originated the world's worst pun. It went this way. One of the little sunbeams would holler up the stairs, "Hey, where's Mahatma?"* Whereat the other dimpled darling would lean over the banister and answer, "Aw, it's Ghandi!" When you have this figured out and feel in the murderous mood, names and addresses will be sent on request.

One of life's minor ironies made itself apparent at the Wigma Schi house where the Lounger was invited for merry wassail the other night. The boys were having a

*Pronounced "ma-hat-ma."

Naval Reserve Training Courses Now Established in Six Colleges

Petition Sent To Dr. Compton Requesting Its Formation At Institute

Although it has met with considerable discouragement, the movement to have a Naval Reserve Officers Training Course made available to students here is still gaining impetus among the undergraduates. Throughout the country there are at present only six such organizations, and President Karl T. Compton and Dean Harold E. Lobdell '17, in response to several petitions are giving the matter serious thought.

Naval R.O.T.C. was started when, to prevent a repetition of the lack of well-trained officers which both the Army and the Navy encountered during the World War, Congress passed an act creating training schools in colleges throughout the country; schools in which a large number of commissioned officers could be trained each year. The military schools were to be established in almost all the colleges which desired them; the Navy, however, decided that six schools would be sufficient for its purpose. Three were placed on the Atlantic Seaboard, one in the Mid-West, and two more on the West Coast. At that time, the late Dr. Samuel W. Stratton, realizing that such a course would prove beneficial to the students as a whole, made every effort to have a division established at the Institute, but the Navy Department finally chose Harvard.

Similar to Military Plan

The Naval Course, somewhat similar in plan to the Military Course, being divided into a two-year basic period and a two-year advance study group, is designed to give the student, in addition to a good, general education in Naval subjects, sufficient instruction to make him an efficient junior officer in the Naval Reserve.

Leadership is developed informally on the various R.O.T.C. teams, of which there are many, emphasis being placed, as might be expected, on the rowing team, for which the Navy furnishes the boats. More formal leadership is practiced by the advanced groups, the members of which have partial command of the basic men.

Basic Courses Given

The first course given is in seamanship, the student becoming familiar with the rudiments, such as the rules of the road, the handling of steamers, the elements of naval aviation, and the methods of communication. His course in these funda-



R.K.O.-KEITH'S "Impatient Maiden"

All the details of an appendix operation are presented to the movie fans in "Impatient Maiden," another of the series of medical films which have become so popular of late. The picture, now playing at the R.K.O.-Keith Theatre, reaches an unusual climax when the heroine, played by Mae Clark, and her interne lover are rejoined through the medium of a diseased appendix.

The story concerns a working girl who first met the interne, when the girl's neighbor attempted suicide. Their friendship developed to the proposal stage but was then shattered by the girl's refusal to accept his offer of marriage. She had seen too much of the sordid side of wedded life in her work at a divorce lawyer's office.

The happy ending occurs when she is brought to the hospital with a dangerously infected appendix, which is skillfully removed by Lew Ayres, who plays the part of the interne. A great variety of short subjects are used to bring the bill up to normal proportions.

little difficulty extracting the beer from their improvised Frigidaire, and were a little reticent about letting their visitors help. The reason made itself apparent when said receptacle turned out to be, of all things, the holding tank for one of these old-fashioned overhead water closets. Ashes to ashes. . . .

Once more the Lounger leaves any un-split infinitives to do their own splitting, but wishes to say that all complaints, if received with a stamped self-addressed envelope, will be carefully dropped in the waste basket.

mentals completed, the student then gets the theory of navigation, learning not only how to pilot a boat safely by dead reckoning and by the stars, but also how the instruments, which he uses, function.

A student's first real knowledge of naval warfare follows the navigation, at which time the plebe is introduced to Ordnance and Gunnery. Emphasis is put on this study, and the pupil, on contemplating it has a thorough knowledge of naval gunnery, landing forces, defense against aircraft, and torpedoes. The history of explosives is also studied to give the student a background from which to work.

Naval Engineering Given

Perhaps the most interesting study to Institute students, however, would be that of Naval Engineering. This course strives to give the Reserve officer sufficient knowledge of the engineering machinery of a ship and its operation to qualify the student completely for his duties as an officer. Because of the many sources of power used today, the officer must necessarily be familiar with steam, diesel and electric methods of propulsion, all of which are taught.

Not only does the Government furnish all textbooks, uniforms, and other equipment free, but it also pays the advanced student nine dollars a month. The equipment furnished to the student, including that for cruises, consists of the regular blue and white uniform, the all white uniform, and a slicker; that furnished the college ranges all the way from models of various fighting ships to a full size ship's bridge, complete with wheel, compass and pelorus.

In order that students may apply their knowledge practically, summer cruises are optional to the basic men, but a prerequisite of the advanced course. During these cruises the Government pays the students twenty-one dollars a month, and the college usually gives credit hours toward graduation for time spent on cruises. The cruises, usually three weeks in length, are taken along the coastline, the students trying their hand at navigating in and out of the various ports entered, as well as on the high seas.

Activities Space In Technique to Be Paid Apr. 5

Pictures Of Activities Groups Will Not Be Printed Unless Paid For

In accordance with a ruling passed by the Advisory Council on Undergraduate Publications, pictures of activity groups will not appear in this year's *Technique* if the space has not been paid for by April 5, states an announcement of the Managing Board of that publication.

As a number of activities did not pay for their space in last year's volume of the annual until this fall, the Advisory Council and those in direct charge of Volume 47 of *Technique* feel that this measure is necessary.

Section Closes April 5

To prevent the possibility of extra expense because of overtime charges resulting from late submitting of material, it has been decided that the Activities Section will definitely be closed on April 5. All pictures and written matter must be in the hands of *Technique* on or before that date.

According to General Manager Theodore R. Heim '32, work on the publication is proceeding at a satisfactory rate, and it is expected that the volume will appear at the usual time, about the first of May.

ROOSEVELT CLUB

There will be a meeting of the "Roosevelt for President Club" in Room 1-331 at 5 o'clock on Monday, March 14.

AUTOMOTIVE ENGINEERS

A closed meeting of the Society of Automotive Engineers for members only, will be held on Thursday evening, March 17. There will be a one-dollar dinner in North Hall at 6.30 o'clock, which is to be followed by a meeting at 8 o'clock on "Automatic Clutch Control."

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Dartmouth Beats Technology Gym Team at Hanover

Engineers Beaten 311-2-22 1-2; Ericson High Scorer For M. I. T. Varsity

Marring its record of only one loss so far, the Technology varsity gym team bowed in defeat to Dartmouth at Hanover. The meet took place Saturday afternoon.

Previous to this defeat the record of the Engineer team was marked by only one loss, to Navy. Since that defeat the schedule has been marked by wins.

Ericson was the individual high scorer of all men entered by both schools in the events. He made a first place in the parallel bars and a second in the rope climb. Next to Ericson, captain of the Technology aggregation, was Getting, taking first in the horizontal bar and third in the parallel bars.

Getting took first place on the high bar, followed by Hatch and Meyer of Dartmouth. Second place on the side horse was made by Bissell, being led by Blakesley and leading Peck, both of Dartmouth.

All three places on the parallel bars went to the men from Technology, Coach Neudorf's men shoving out the wearers of the Green from the head of this event completely.

In contrast to this sweeping victory was the flying rings event, in which Treadwell was the only man from Cambridge to place; and he placed third. First and second positions were taken by Miller and James of Dartmouth.

Flaitz of Technology and Englander of Dartmouth tied for third place in the tumbling event, with the first two places going to two Dartmouth men, Hohn and Hobson.

Ericson did not come near his brilliant record-breaking mark in the rope climb of 4 4-5 seconds. He came in second, losing to Goodfellow, who made the climb in 5 1-5 seconds. Hudson of Technology came in third.

Following is the summary of the Technology-Dartmouth meet:

- Horizontal Bar—Won by Getting (MIT); Hatch (D), second; Meyer (D), third.
- Rope Climb—Won by Goodfellow (D); Ericson (MIT), second; Hudson (MIT), third. Time 5 1-5 seconds.
- Side Horse—Won by Blakesley (D); Bissell (MIT), second; Peck (D), third.
- Parallel Bars—Won by Erickson (MIT) Treadwell (MIT), second; Getting (MIT), third.
- Flying Rings—Won by Miller (D); James (D), second; Treadwell (MIT), third.
- Tumbling—Won by Hahn (D); Hudson (D), second; Englander (D), and Flaitz (MIT), tied for third.

BOXING TEAM DROPS MEET IN NEW YORK

Wetherill Wins Only Match As Fighters Lose To N. Y. U.

Three bouts which the Technology boxers were forced to forfeit to New York University on Saturday proved too much of a handicap, and the Engineers were forced to be content with the small end of a 5 1-2 to 1 1-2 score. Defaults in the 115-, 155-, and 175-lb. classes gave the Violet mitmen a 3-point lead before the meet started, and the N. Y. U. outfit went on to win two and draw another of the remaining four matches.

Proctor Wetherill, in the 135-lb. class, was the only Engineer to come through with a win. He fought a beautiful fight throughout the three rounds and piled up enough points to give him a decisive edge over Jim Ochs of N. Y. U. Wetherill went after his man at the opening bell and kept hard at work on him until the end of the battle.

In the 145-lb. bout John Carey fought Bob Bigley of the Violet to a draw in spite of an almost disabled right hand. The Technology scrapper sprained a ligament in practice and went into the fray with most of his big guns out of action.

Capt. Peyton Cooper in the 160-lb. and Elliot Bradford in the 125-lb. fights fell back before the N. Y. U. attack. Cooper showed the effects of a week of concentrated effort in classes and could not quite manage to hit his usual pace, while Bradford lost the decision only after a hard-fought bout.

Following is the summary:

- 115-lb. Class—Won by N. Y. U., by default.
- 125-lb. Class—Frank Murray, N. Y. U., defeated Elliot Bradford, M. I. T., decision.
- 135-lb. Class—Proctor Wetherill, M. I. T., defeated Jim Ochs, N. Y. U., decision.
- 145-lb. Class—Bob Bigley, N. Y. U., and John Carey, M. I. T., drew.
- 155-lb. Class—Won by N. Y. U., by default.
- 160-lb. Class—Joe Saiganek, N. Y. U., defeated Peyton Cooper, M. I. T., decision.
- 175-lb. Class—Won by N. Y. U., by default.
- 115-lb. Class (Exhibition)—Mickey Aaronson, N. Y. U., and Les Brooks, M. I. T., no decision.
- 175-lb. Class (Exhibition)—Ed Huerstal, N. Y. U., and Ned Collins, M. I. T., no decision.

TURNER PLACES IN INTERCOLLEGIATES

Technology placed one man in the finals of the New England Intercollegiate Swimming Association Meet at Williamstown on Saturday. Captain James E. Turner '33 was nosed out in an almost dead heat of the 200-yard breaststroke by Sperry of Bowdoin in the fast time of 2 minutes, 45 2-5 seconds. Louis Flanders '33, finished third in the same event but was disqualified by the officials, who decided that he had made an illegal turn.

In the trials held on Friday, Turner lowered his 75-foot pool record by 1-5 second, when he covered the 200 yards in 2 minutes, 45 2-5 seconds. On the same day, Fred Vaughn '34 set a new Technology record in the 440-yard freestyle event with a time of 5 minutes, 45 1-5 seconds.

N.E.I.S.A. Records Broken

Five N.E.I.S.A. records were broken during the meet in which Brown, by a victory in the 200-yard relay, tied Williams for the championship. Both Brown relay teams were victorious, each turning in a record-breaking performance. Captain Swayzee and Beatty of Williams, Strohmeier of Amherst, and Lewis of Brown tied for high scoring honors, each having a first and second place to his credit.

Fencing Team Wins From Norwich and Bows to Dartmouth

Hamilton High Scorer For The Engineers; Scores Are 10-7 And 6-7

Winning one meet and losing another in two successive nights, the M.I.T. varsity fencing team defeated Norwich University by a score of 10-7, and lost to Dartmouth by 7-6 in rapid succession. The meets were held on the home floor in Walker Gym, taking place Friday and Saturday nights.

Captain Hamilton was the outstanding man on the Beaver team against Norwich, defeating Batchelder, Coolidge, and Briggs in the foil contests. Fra Giacomo and Wells each scored two wins, over Gregory and Coolidge and over Gregory and Batchelder.

Frisby and Galiese Win

In the Epee event, Frisby and Galiese each defeated one man, each man out-scoring Briggs of Norwich in their bouts with him. Both Hamilton and Frisby also lost to Batchelder.

Engineers Downed by Dartmouth
On the next night a match was held with Dartmouth in which the Engineers were beaten. The only events were the (Continued on page four)

Musical Clubs Join Framingham Groups In Combined Concert

State Normal School Audience Attends Musicales Given At Framingham

In their fifth appearance of the week, the Combined Musical Clubs, with the State Normal School Musical Clubs, gave a joint concert before a capacity audience in May Hall, Framingham Normal School, last Friday evening. The Glee Clubs and Instrumental Clubs of each organization rendered selections both jointly and separately.

Harold A. Travers '32, of the Institute organization, rendered several piano selections at the teachers' college and received an enthusiastic ovation from the audience of embryonic teachers. About one hundred members of the Technology group attended the concert, while the entire complement of the Framingham organization took part.



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DR. HOCKER TO LEAD SECOND COLLOQUIUM

(Continued from page one)
The following references, which Dr. Hocker suggests, will be found near Mrs. Maynard's desk in the Central Library: "Transmission Characteristics of Open Wire Line Insulators," "Study of Telephone Line Insulators," and "Mortar Bandage Conduit Joints." Students who desire a personal interview with Dr. Hocker should leave their names with Miss Baker in Room 4-202 before 9.30 o'clock Tuesday morning.

Dr. Hocker will treat with the subject as indicated by the following outline: A. Glass Insulators. Why insulators are important, insulator leakage losses, the available telephone insulators, methods of testing.

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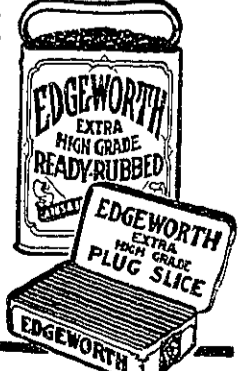


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And ever shall be—
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If you need any help read—Dottie Fixitt's "Advice to Lovelorn"

If there's some information you want—read what Walter Winchell's Boston Correspondent says.

If you can't seem to make things go just right—show her those pictures from the lounges.

THE TABLOID TECH AT JUNIOR PROM

OFFICIAL BULLETINS OF GENERAL INTEREST

Colloquium Electrical Engineering Department

Monday, March 14, and Tuesday, March 15, 2.00 p.m., Room 10-275
Dr. C. D. Hocker, Ceramics Apparatus Engineer, Bell Telephone Laboratories, will lead the colloquium which is to be on the subject "The Use of Some Ceramic Products in the Telephone Industry."

Open to Seniors, graduate students, Junior honors students and members of the instructing staff of the departments of Electrical Engineering and Physics.

Physics and Physical Chemistry Harvard University and Massachusetts Institute of Technology

Monday, March 14, 4.45 p.m., Cruft Lecture Room

Physical Colloquium:
1. "Ionization by Line Absorption." Dr. John H. McLeod.
2. "The Simultaneous Emission or Absorption of Two Photons." Mr. Hubert M. James.
3. "The Measurement of the Optical Constants of Solids in the Ultra-Violet."
Mr. Richard Tousey.
Tea served at 4.15 o'clock in Library of New Physics Building.

Wednesday, March 16, 3.00 p.m., Room 4-402

Theoretical Seminar for Graduate Students:
Professor M. S. Vallarta will talk on the Uncertainty Principle and Relativity.

Wednesday, March 16, 4.30 p.m., Room 4-231

Lecture by Professor P. Debye on "X-Ray Scattering and Molecular Structure."

FENCING TEAM WINS ONE AND LOSES ONE

(Continued from page three)

Foils and Sabres, no contests being held with Epees.

Four victories were scored in the Foils, Hamilton downing Payne, Ackerman, and Werranrath and Wells defeating Farrand. McCormack lost, however, to Ackerman, Payne, and Farrand.

Following are the summaries of the two meets:

M.I.T. vs. Norwich
FOILS—Capt. Hamilton, Tech, defeated Batchelder 5-2; Coolidge 5-2; Briggs 5-2; Fra Giacomo, Tech, defeated Gregory 5-3; Coolidge 5-3; Wells, Tech, defeated Gregory 5-4; Batchelder 5-2; Coolidge, Norwich, defeated McCormack 5-4; Batchelder, Norwich, defeated Fra Giacomo 5-4.
EPEE—Batchelder, Norwich, defeated Hamilton 2-1; Frisby 2-1; Frisby, Tech, defeated Briggs 2-0; Gallese, Tech, defeated Briggs 2-1.
SABRE—Frisby, Tech, defeated Chapin 5-4; Brennan, Norwich, defeated Wells 5-3; Rulon 5-3; Chapin, Norwich, defeated Gallese 5-0.

M.I.T. vs. Dartmouth
FOILS—Hamilton, Tech, defeated Payne 5-1; Wells, Tech, defeated Farrand 5-4; Ackerman, Dartmouth, defeated McCormack 5-4; Payne, Dartmouth, defeated Wells 5-2; Farrand, Dartmouth, defeated McCormack 5-3; Hamilton, Tech, defeated Ackerman 5-2; Payne, Dartmouth, defeated McCormack 5-0; Hamilton, Tech, defeated Werranrath 5-1; Ackerman, Dartmouth, defeated Wells 5-2.
SABRE—Wells, Tech, defeated Payne 5-3; Hamilton, Tech, defeated Payne 5-3; Farrand, Dartmouth, defeated Hamilton 5-3; Farrand, Dartmouth, defeated Wells 5-4.

COMMITTEE ADMITS PETITION WAS HOAX

(Continued from page one)

The petition became the topic of the day among the students when it was announced last Friday and a large variety of opinions on the question were expressed by the male members of the undergraduate body. Many were of the opinion that the prohibition against women should remain in effect but the girls were not without their defenders, who maintained that they should not be discriminated against because of their sex.

Clarence M. Chase '32, secretary of the Institute Committee said, "No, don't let 'em in—they'll ruin the whole thing. It'll be dangerous for them."

Among the small group of coeds the report had an even greater effect, since none of the girls had any knowledge of the petition. When asked her opinion on the question, one girl said that so far as she knew none of the coeds has expressed a desire to attend the Circus. A few had planned to observe Old Clothes Day, but did not intend to do anything further in connection with the affair.

One of the stenographers employed at the Institute said she did not think that Circus was any place for women. If the men wish to hold an affair of their own they should be allowed to do so, she stated.

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