



Published throughout the school year, by the students of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Entered as second-class matter Sept. 16, 1911, at the Post Office at Boston, Mass., under the Act of March 3, 1879. Accepted for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on July 19, 1918.

MANAGING BOARD

A. J. Browning, '22, General Manager  
W. B. Purinton, '22, Editor-in-Chief  
C. T. Jackson, '22, Treasurer  
G. H. Southard, III, '23, Managing Editor  
W. A. Thomas, '23, Advertising Manager  
E. E. Kattwinkel, '23, Circulation Manager  
B. A. Dickson, '23, Chair. of Editorial Board  
W. B. Munder, '23, Asst. General Manager

BOARD OF CONTRIBUTING EDITORS

D. F. Carpentier, '22, R. C. Rundlett  
G. F. Nesbitt, Jr., R. E. Van Gieson  
A. L. Johnson, C. E. Brokaw  
H. M. Shurey, W. W. Russell  
T. M. Taylor, J. C. Patty  
L. K. Cowie, Hall Kirkham  
M. N. Waterman, C. C. Taylor

EDITORIAL BOARD

I. Gerofski, H. F. Cotter  
E. M. Soin, C. B. Warden  
C. B. Conway, F. N. Perry, E. D. Cahill  
C. B. Conway, P. A. Ryan

NEWS DEPARTMENT

Associate Editors  
John Magee, Jr., E. M. Goldsmith, Jr.  
J. F. Pierce, S. H. Hemerway  
W. F. McMeans, E. W. Reynolds  
David Kaufman, H. P. Kurzman  
A. B. Allard, J. W. Gundling, H. L. Bond  
Ingram Lee, R. B. Bamford, W. G. Perce  
R. B. Bamford, W. G. Perce

Assistant Editors  
H. G. Burt, H. S. Rubens  
P. K. Bates, H. B. Cuthbertson  
N. Cohen, W. Scripps, R. E. Rubins  
C. L. Maltby, E. S. Gray, K. B. Castle  
W. Rosenwald, R. L. Kaufman

Staff  
G. C. Reinhardt, I. B. Levine  
L. B. Leighton, L. E. Fogg  
H. Bishko, F. B. Dyer  
G. F. Ashworth, S. H. Caldwell  
H. Gross, R. K. Askew  
J. P. Ramsey, R. E. Dorr  
M. A. MacDuffie, B. Lewis

BUSINESS DEPARTMENT

Staff  
C. H. Toll, B. M. Mossman  
H. C. Benedict, Jr., H. W. Koch  
H. S. Ferguson, E. Brugmann  
W. H. Couch, D. M. Schoenfeld

Staff  
J. D. Bates, Jr., M. G. Davis  
H. Doble, E. Piepho  
T. O. Richards, H. C. Rickard  
H. S. Rogers, A. B. Weston  
A. M. Worthington, Jr., F. L. Gemmer  
A. W. Rhodes, E. W. Carleton  
A. Henderson, P. E. Hess  
W. L. Nye, P. P. Pratt  
W. N. Webster, W. Schoop, H. W. Lewis

Subscription \$2.50 for the college year in advance. Single copies five cents.  
Business office, 310 Walker Memorial, Charles River Road, Cambridge, Mass.; business phone University 7415. News Room, 3 Walker Memorial; news phone, University 7029.

All material for publication must be received by noon of the day previous to issue. The Editor is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

Although communications may be unsigned, if so requested, the name of the writer must, in every case, be submitted to the Editor-in-Chief. THE TECH reserves the right, however, to reject unsigned communications.

IN CHARGE OF THIS ISSUE

G. I. Carper ..... Wm. Scripps

Thursday, December 22, 1921

STUDENT INDIFFERENCE

College students do not take an interest in national and international affairs. They go about their work, most of them, without more than a casual glance at a newspaper, and discussions on topics of world interest are seldom heard. A writer in a recent issue of The World's Work remarks, "... students in the backward countries of the East, unlike college men in certain more advanced civilizations of the West, take an active interest in national problems. An "interest in national problems" is important to the technical man as well as to the arts student. A knowledge of mechanics and mathematics may make a good engineer, but more than scientific training is required to make the type of citizen so necessary in American life today.

There is no reason why the scientifically trained man should not take his part in public affairs. He is needed more and more in the legislative bodies of the country. Commissions which require technical as well as political knowledge are constantly being created. Above all every man should have the knowledge which will permit him to vote intelligently. We learn from Professor Holcomb of Harvard that the younger voter is usually the deciding factor in determining the trend of elections. The college student has a responsibility which he should not overlook.

There are courses at the Institute which aim at imparting political intelligence, but they can do little. An active interest in national problems is necessary. Reading the important items of a newspaper and discussing current affairs with others aids in acquiring the interest. Time may have been lacking during the school year, but there will be time to read and discuss during the vacations. The results are worth while.



The Lounger having proved to the best of his ability to the various departments who so inquired that he did not know anything, has taken a vacation. He has gone far into the hills of New Hampshire to try his fling at skiing and kindred winter sports. He said good-bye to the office and was seen hurrying as he never hurried before for the 4:55 Portland Express. Although he was loaded very heavily with baggage, including a portable Corona (the little brother to his finger bruising oliver) to write a few Lounger's while he journeys into the far country, and considerable ink to add a personal touch to his daily epistle to what Kipling calls "A rag, a bone, and a hank of hair," yet he was not so heavily loaded as the Professor of Mathematical Physics, in charge of the department gentleman who undertook a similar trip last summer.

Local gossip has carried it to the Lounger that the above mentioned Ph. D. went in his F. O. B. Detroit carrying on front his wife and baby, and in back was an animal which had been captured, and domesticated by the ambitious Industrial Coop Charlie. This animal had an appearance like that of the goat from Bill's School and the general understanding was that it was to furnish milk for the baby. This fine theory fell thru the floor due to the rough roads and the neglect of the Corporation to water the stock.

The following letter arrived from the Lounger today:

48.7 miles from Portland, Maine—New Hampshire Line.  
General Messer of THE TECH:

Dere Jesse,  
About the middle of this forenoon, I pulled into this one horse town. I received a hearty welcome on my arrival as I stepped from the rear of the jerk-water accommodation. The whole police force of the town was there to see that no bad people eloped with the mail. After the police had loaded the wagon, then the postmaster, store-keeper, fire chief, chairman of the board of selectmen, and inn keeper had climbed into the two seated sleigh he (the above complex, although I could never decide which person he was at the time) hollered to me "Be ye agoin' up the mountain, stranger? If Y'are, better climb up here with me. It's been pretty bad lately walkin' there, ain't no one tried it lately except a Math. Prof. from Tech, and he told my boy that while it was very elementary, it was the nearest approach to an infinite series of footsteps he ever saw."

Being rather sleepy, I shall hit the hay now, and in the morning will put on my skis and see if the representative of Vol. XLI can come down with a greater second derivative with respect to the time that the representative of Vol. III went up.  
Tahoo, Lounger.

P. S. Don't forget to feed the office cat.

AT THE THEATRES

COLONIAL: "Tip Top." Fred Stone in a good mixture of humorous stunts. Also the Six Brown Brothers.

TREMONT: "Only 38." Clean cut New England comedy.

HOLLIS: "Mr. Pim Passes By." English humor derived from a good impersonation. Delightfully amusing.

SELWYN: "The White Peacock." Mme. Olga Petrova in a new piece. Some papers are making a big fuss.

ARLINGTON: "The Mikado." An old favorite that has had unusually long runs.

ST. JAMES: 8:10. "My Lady Friends." A clever and amusing farce played in a somewhat mechanical fashion. Reviewed in this issue.

COPLEY: "Charlie's Aunt." A humorous comedy of a college fellow masquerading as another's aunt for chaperonage purposes. Reviewed in this issue.

KEITH'S: 8:10 Vaudeville. Featuring the elusive Houdini.

MAJESTIC: 8:10. Vaudeville. La petite Frances White featured.

FENWAY: (Thurs., Fri., Sat.) "The Sheik. "I Do," with Harold Lloyd.

HERRICK

COPLEY SQUARE

Call Back Bay 2328

5 Telephones Connecting

ALWAYS THE BEST SEATS

AN ARMY OF COLLEGE MEN AND WOMEN

Enrolment Figures for This Year and Last from Representative Institutions in All Parts of the Country—These Totals Do Not Include Summer School, Evening, or Extension Students

(Compiled by Boston Transcript)

| College                 | 1921    | 1920    |
|-------------------------|---------|---------|
| Allegheny               | 548     | 504     |
| Amherst                 | 521     | 500     |
| Bates                   | 556     | 526     |
| Boston College          | 863     | 741     |
| Boston University       | 5,094   | 4,150   |
| Bowdoin                 | 456     | 394     |
| Brown                   | 1,641   | 1,367   |
| Bryn Mawr               | 456     | 479     |
| Carnegie Inst. of Tech. | 2,435   | 2,234   |
| Clark                   | 198     | 198     |
| Colby                   | 485     | 485     |
| Colgate                 | 675     | 692     |
| Columbia                | 9,652   | 8,473   |
| Conn. Coll. for Women   | 376     | 342     |
| Cornell                 | 5,283   | 5,174   |
| Dartmouth               | 2,011   | 1,888   |
| De Pauw                 | 1,150   | 970     |
| Goucher                 | 875     | 834     |
| Hamilton                | 327     | 316     |
| Harvard                 | 6,033   | 5,674   |
| Holy Cross              | 752     | 724     |
| Indiana State           | 2,801   | 2,596   |
| Iowa State              | 4,450   | 4,266   |
| Johns Hopkins           | 1,369   | 1,339   |
| Knox                    | 593     | 506     |
| Lafayette               | 832     | 801     |
| Lehigh                  | 1,052   | 1,016   |
| Leland Stanford         | 2,711   | 2,489   |
| Mass. Agricultural      | 546     | 505     |
| Mass. Inst. of Tech.    | 3,535   | 3,436   |
| Middlebury              | 493     | 447     |
| Mount Holyoke           | 795     | 787     |
| New Hampshire State     | 905     | 846     |
| New York University     | *10,684 | *9,068  |
| Northeastern            | 806     | 537     |
| Northwestern            | 4,099   | 3,695   |
| Norwich                 | 293     | 251     |
| Oberlin                 | 1,188   | 1,129   |
| Ohio State              | 7,776   | 7,156   |
| Pennsylvania State      | 3,136   | 2,949   |
| Princeton               | 2,041   | 1,963   |
| Purdue                  | 2,960   | 2,890   |
| Radcliffe               | 622     | 614     |
| Rhode Island State      | 393     | 350     |
| Simmons                 | 1,219   | 1,253   |
| Smith                   | 1,999   | 1,940   |
| Syracuse                | 4,612   | 4,396   |
| Trinity                 | 265     | 215     |
| Tufts                   | 2,103   | 2,128   |
| Univ. of California     | 10,466  | 10,371  |
| Univ. of Chicago        | 6,088   | 5,850   |
| Univ. of Cincinnati     | 2,776   | 2,710   |
| Univ. of Illinois       | 9,084   | 8,250   |
| Univ. of Maine          | 1,304   | 1,270   |
| Univ. of Michigan       | 8,727   | 8,458   |
| Univ. of Minnesota      | 7,664   | 7,437   |
| Univ. of Nebraska       | 4,740   | 4,411   |
| Univ. of Pennsylvania   | 9,650   | 7,594   |
| Univ. of Pittsburgh     | 4,212   | 3,932   |
| Univ. of Rochester      | 876     | 703     |
| Univ. of the South      | 220     | 227     |
| Univ. of Vermont        | 1,030   | 930     |
| Univ. of Virginia       | 1,667   | 1,630   |
| Univ. of Washington     | 4,596   | 5,191   |
| Univ. of Wisconsin      | 7,344   | 7,004   |
| Vanderbilt              | 1,208   | 1,198   |
| Vassar                  | 1,144   | 1,089   |
| Wellesley               | 1,548   | 1,551   |
| Wesleyan                | 544     | 549     |
| Western Reserve         | 2,201   | 2,058   |
| Wheaton                 | 308     | 257     |
| Williams                | 583     | 579     |
| Worcester Polytech.     | 497     | 559     |
| Yale                    | 3,939   | 3,820   |
| Totals                  | 197,081 | 183,861 |

\*Includes evening students.

THE WIDENED CAMPUS

How the Colleges are Meeting the Educational Needs of Their Communities

| College                 | Extens. stu- dents | Summer stu- dents |
|-------------------------|--------------------|-------------------|
| Allegheny               | 102                | .....             |
| Bates                   | 125                | .....             |
| Boston University       | 789                | 3,260             |
| Bryn Mawr               | 35                 | .....             |
| Carnegie Inst. of Tech. | 588                | .....             |
| Clark                   | 191                | .....             |
| Columbia                | 11,809             | 6,845             |
| Cornell                 | 2,739              | .....             |
| De Pauw                 | 168                | .....             |
| Harvard                 | 2,355              | 25                |
| Indiana State           | 1,700              | 3,957             |
| Iowa State              | 1,791              | 272               |
| Johns Hopkins           | 949                | 1,560             |
| Lehigh                  | .....              | 558               |
| Leland Stanford         | 1,132              | .....             |
| Mass. Agricultural      | 300                | 335               |
| Mass. Inst. of Tech.    | 1,487              | .....             |
| Middlebury              | 388                | .....             |
| New York University     | 2,096              | 255               |
| Northeastern            | .....              | 616               |
| Northwestern            | 1,361              | 2,490             |
| Norwich                 | 75                 | .....             |
| Oberlin                 | 194                | .....             |
| Ohio State              | 1,562              | .....             |
| Pennsylvania State      | 1,905              | 14,208            |
| Purdue                  | 171                | .....             |
| Simmons                 | 230                | 107               |
| Syracuse                | 715                | 1,000             |
| Univ. of California     | 7,864              | 20,337            |
| Univ. of Chicago        | 6,458              | 6,352             |
| Univ. of Cincinnati     | 934                | .....             |
| Univ. of Illinois       | 1,917              | .....             |
| Univ. of Maine          | 228                | 100               |
| Univ. of Michigan       | 2,815              | 600               |
| Univ. of Minnesota      | 2,687              | .....             |
| Univ. of Nebraska       | 1,589              | 756               |
| Univ. of Pennsylvania   | 1,768              | 6,554             |
| Univ. of Pittsburgh     | 1,396              | 250               |
| Univ. of Rochester      | 330                | 927               |
| Univ. of the South      | 43                 | .....             |
| Univ. of Vermont        | 500                | .....             |
| Univ. of Virginia       | 2,429              | 339               |
| Univ. of Washington     | 3,295              | 1,823             |
| Univ. of Wisconsin      | 4,547              | 18,675            |

ALUMNI NOTES

OSBOURNE '21—YOUNG

Dr. Evangeline W. Young announces the engagement of her niece, Miss Marion Young, to Alan Osbourne, of Palo Alto, California, eldest son of Mr. and Mrs. Lloyd Osbourne and the stepson of Robert Louis Stevenson. Osbourne served in the Army during the World War and before coming to the Institute attended Pomona College, California.

STOCKWELL '21—BEACH

Mrs. Ralph W. Bierer announced recently the engagement of her sister, Miss Beatrice Burr Beach of Brookline to Ernest F. Stockwell of West Somerville. Miss Beach is the daughter of Mr. and Mrs. Frank H. Beach. Miss Beach is a graduate of the Emma Willard School of Troy, New York, and of Miss Capen's School at Northampton.

Stockwell is a graduate of Phillips Andover, class of 1916, also of Chauncy Hall. He is now a member of the firm of Barbour Stockwell Company in Cambridge, and is the son of Mr. and Mrs. Fred F. Stockwell of West Somerville. The wedding will take place next June.

After a lapse of two years, the Princeton Open Forum has been revived, stimulated by questions that have arisen at the Armament Conference at Washington.

Loomis Dancing School

93 Mass. Ave., Boston  
Latest Modern Dancing Taught  
Also Stage Dancing  
Socials every Wednesday and Saturday evenings

Take Your Work to an Expert

MISS MARBLE

Typewriting and Mimeographing  
205 Brattle Bldg.  
Harvard Sq  
Thesis Work A Specialty

BLOMQUIST & HOWES GARAGE

Automobile Service

DAY STORAGE 50c

Exposition Bldg., next the dormitory



YOUNG MEN'S HATS

Distinctive & Exclusive Styles

Foreign & Domestic Manufacture

COATS

Agents for

Burberry and Aquascutum

English Coats

Golf Suits

Caps Gloves Neckties

Collins & Fairbanks Co.  
383 WASHINGTON ST  
BOSTON

THE GREEN BOUGH TEA HOUSE

Sally's Specialty Shop

597 WASHINGTON ST., WELLESLEY, MASS.

Tel. 51715

AFTERNOON TEA  
1-5 P. M.

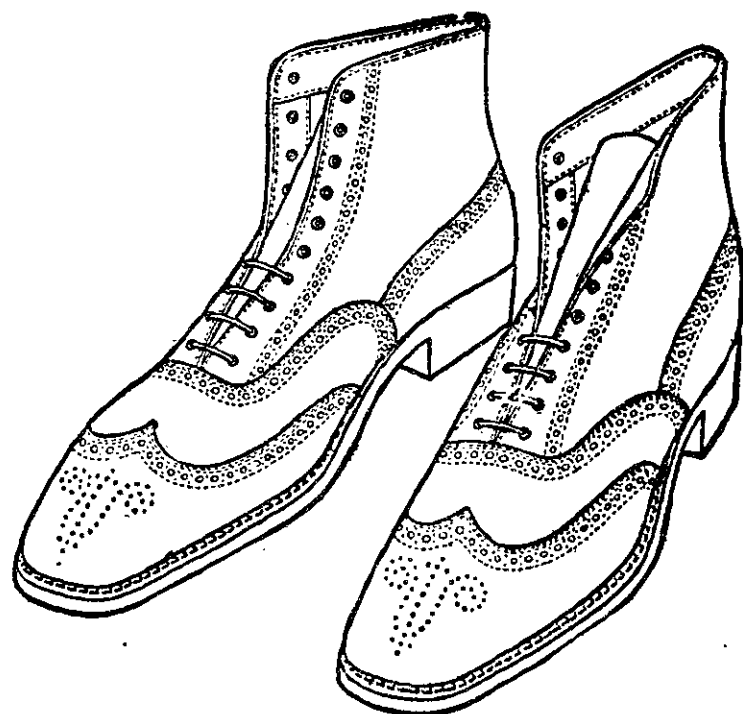
DINNERS  
6-7 P. M.

SUNDAYS

DINNERS  
1-2 P. M.

SUPPERS  
6-7.30 P. M.

STODDER MEN'S SHOES



A New Brogue

Just received, bought on the lowest market since the war and priced accordingly.

STYLE 315  
Tan Box Calf

STYLE 316  
Black Box Calf

\$7.75

These boots are built on our perfect brogue last, of plump, pliable, durable, boarded box calf leather; have full brogue patterns neatly perforated—soft toes—overweight single soles, with extra wide welts—and are fitted with broad square rubber heels.

A truly wonderful value at this price.

Special 12½% discount to Tech Students listed in the Tech Catalogue

COES AND STODDER

10 TO 14 SCHOOL STREET