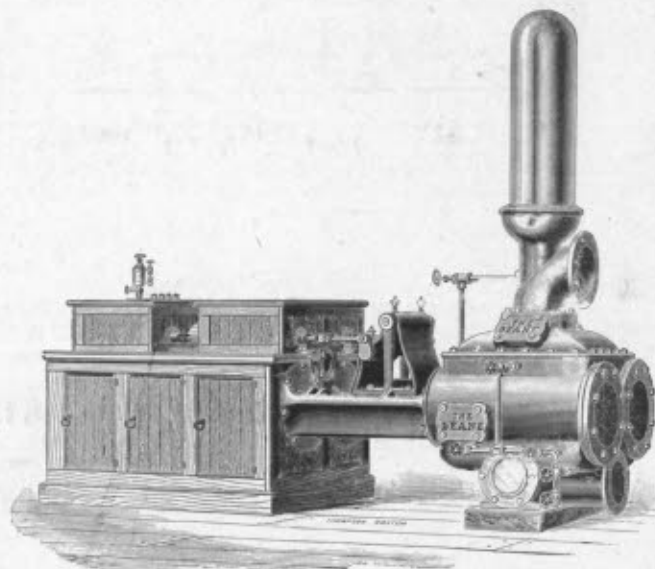


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ET

A is for Allen; the curls on his head,

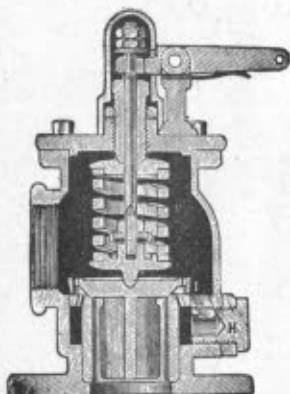
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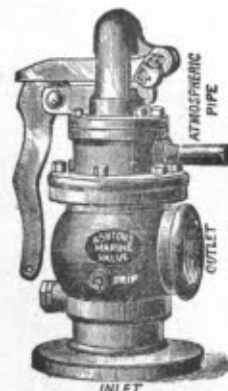
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a

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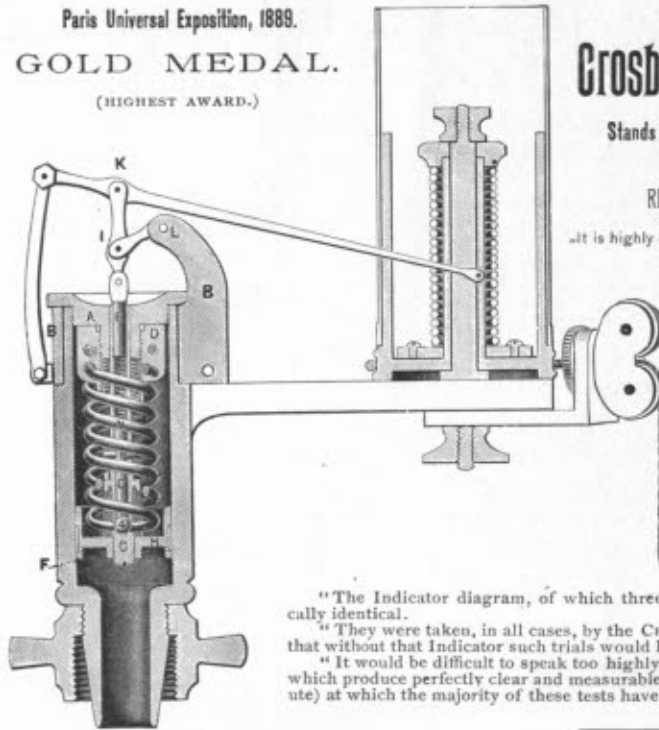
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C for John Curtin, of Company D;

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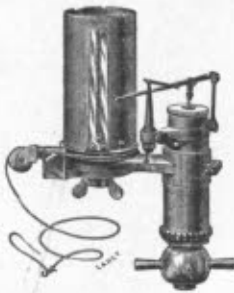


FLANIGAN (*who is spending a few days' vacation at the beach*).—"The kids be a tellin' me how they can ride down hill in the summer-time. I guess I will try the—"



(*But he decides that it is a very dangerous pastime, and should be viewed from a distance.*)

E is for Ely, the Illinois chap,



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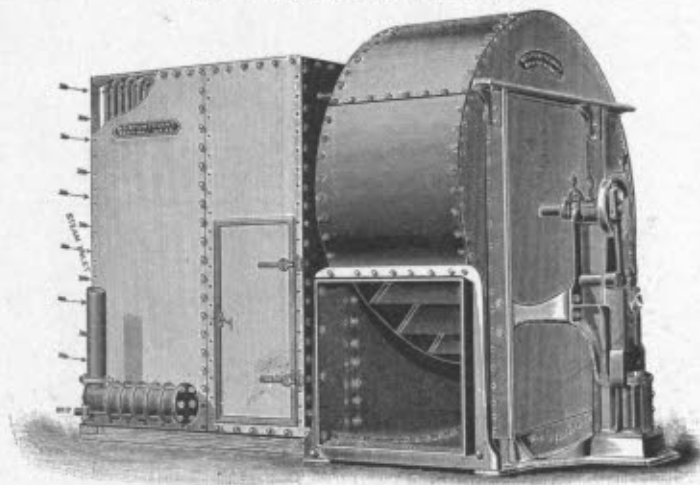
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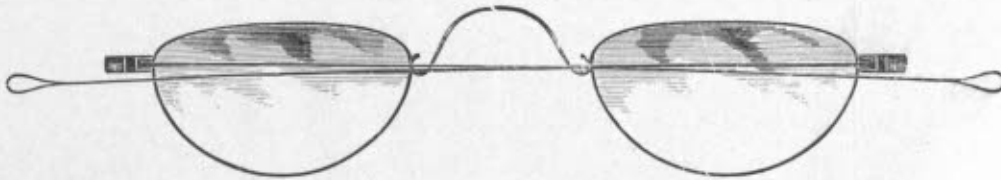
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H is for Harvey, who's fair-haired and tall;



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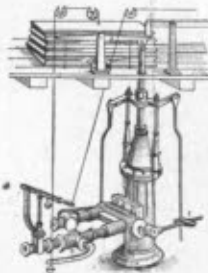
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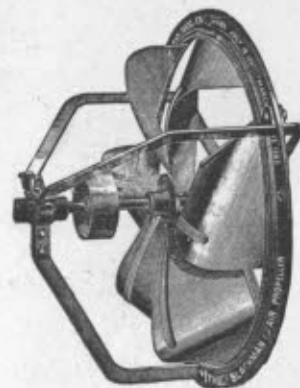
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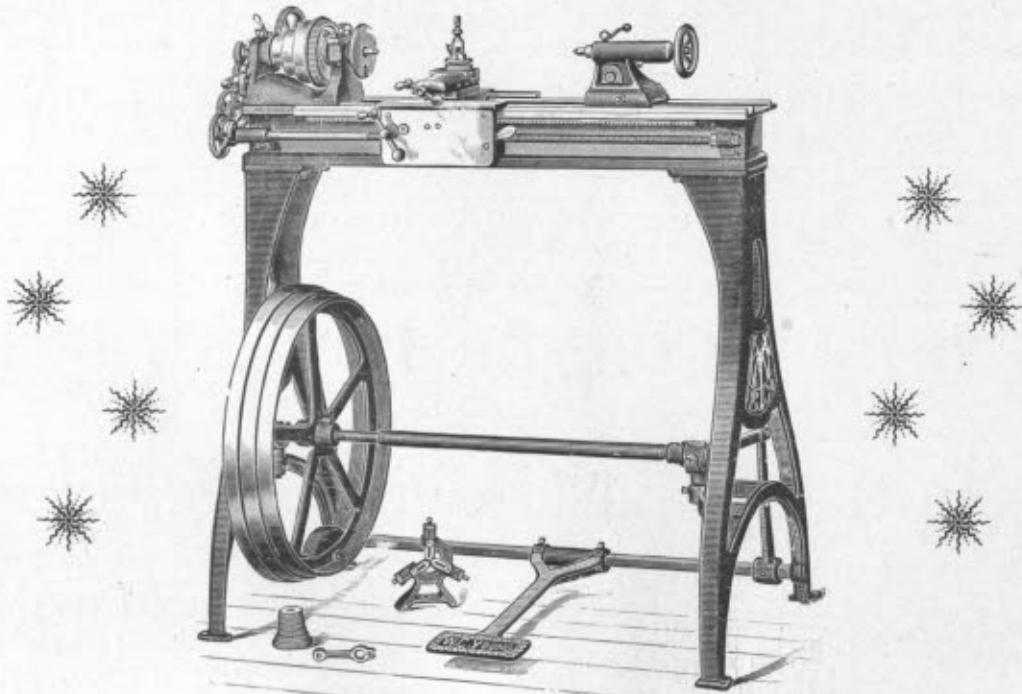
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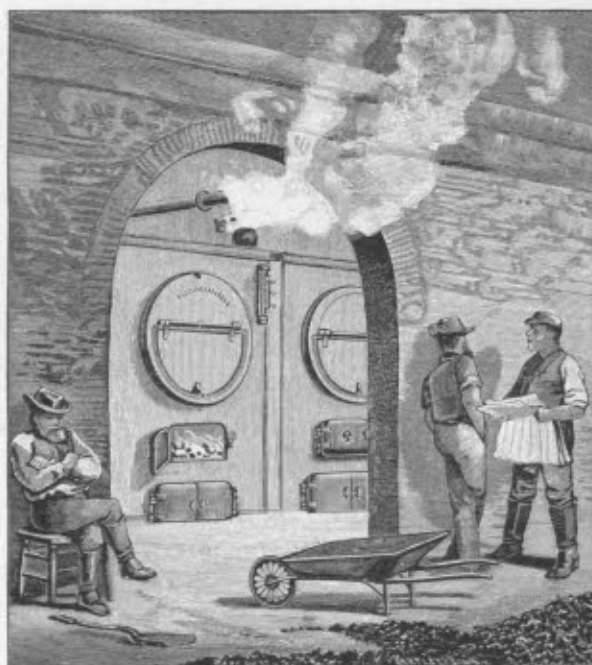
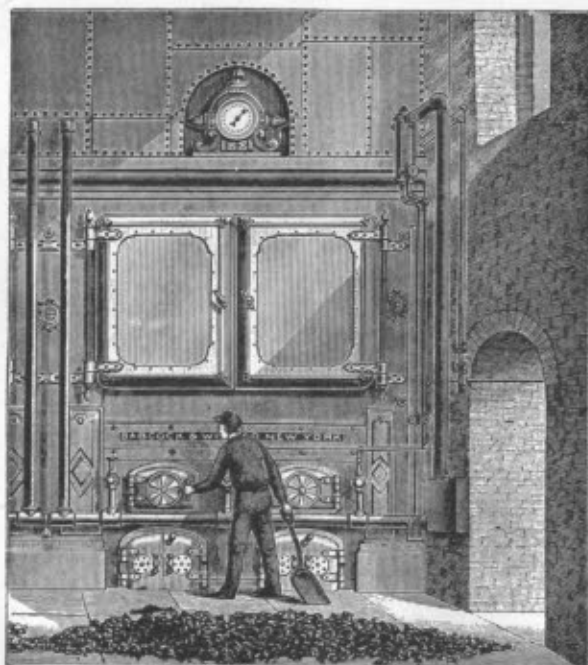


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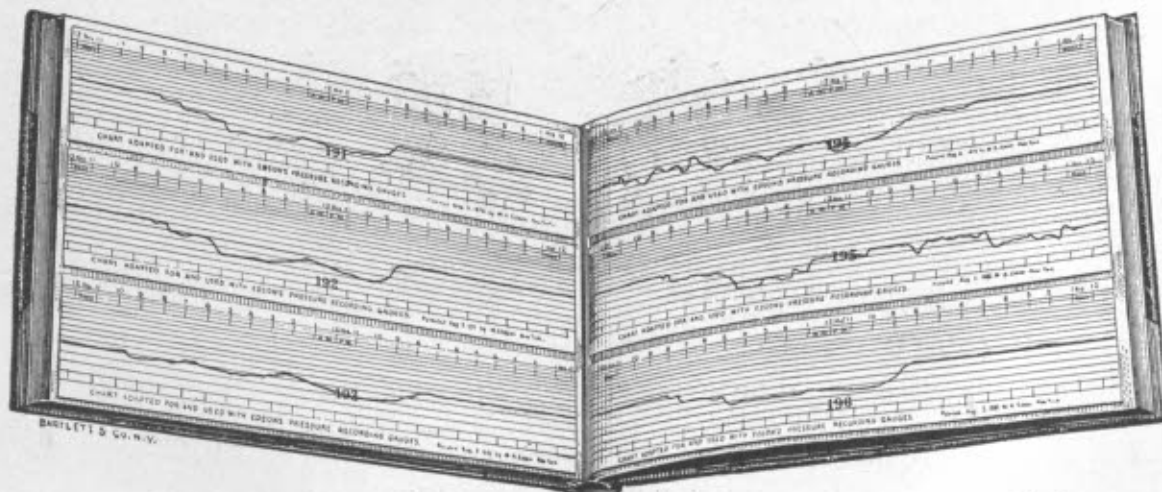
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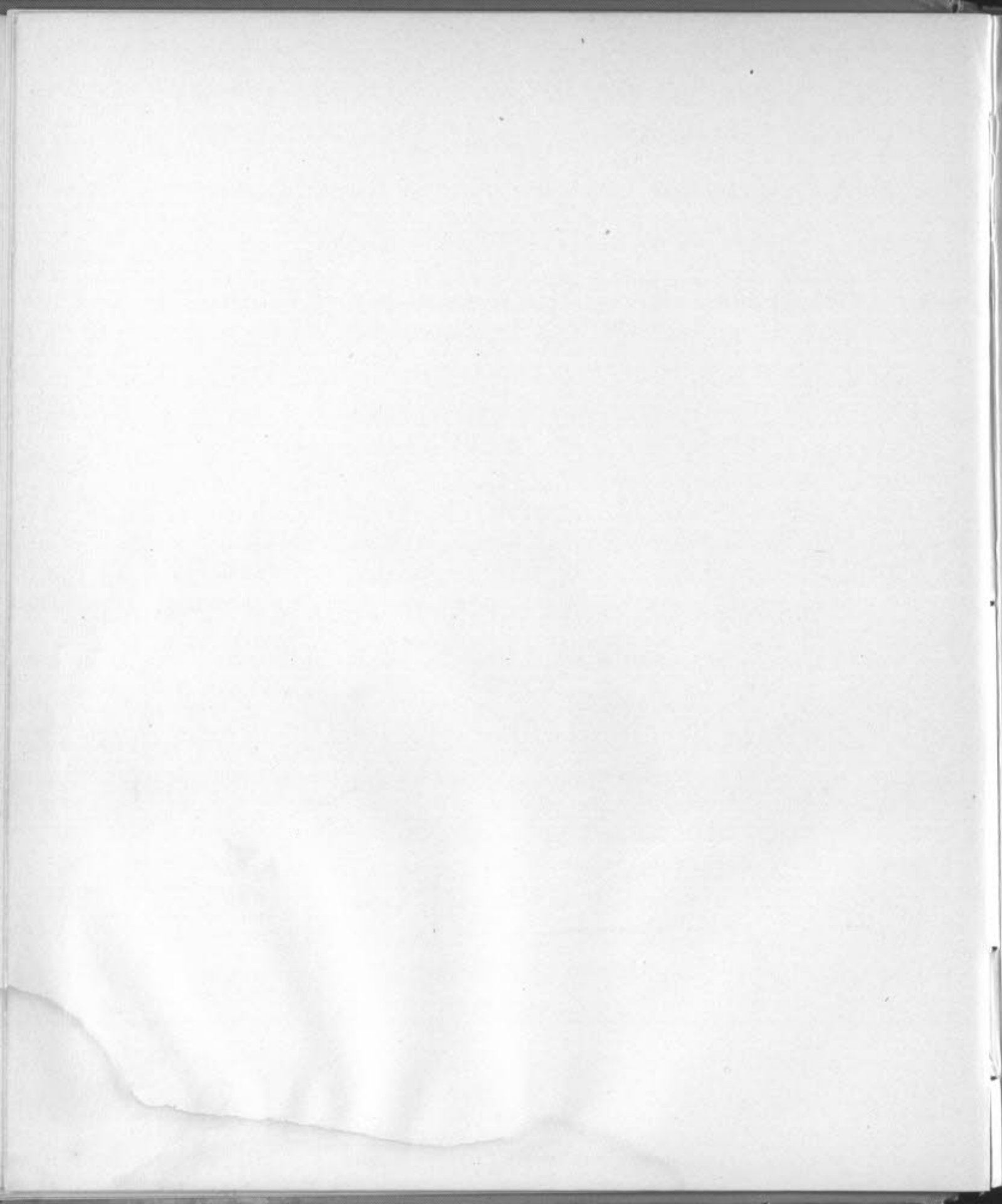
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xx

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W. P. Atkinson.

Mass. Institute of Technology



TECHNIQUE



J. E. MURPHY



TO COLLEGE GIRLS.

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

Since Inspiration always lends a hand,
 To clear a tangle of unnumbered whorls,
 When are we led aright, by her demand.
 To dedicate this volume to the Girls.



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WITH modest blushes we present to the public NINETY-Two's TECHNIQUE, upon which we have toiled through many a sleepless day. The blushes are largely for stage effect, for we are confident that our friends will recognize a good thing when they see it, and will give it a cordial reception. Indeed, we predict an unprecedented rush for copies, simply because of NINETY-Two's established reputation.

We believe that you will justify us in asserting that TECHNIQUE has this year reached the limit of excellence. The volume issued last year was a great improvement on its predecessors. To-day we place before you a book that is larger and better bound than any hitherto issued at the Institute. Artistically it has no superior in college literature; as a book of reference it is excelled only by a check-book. It contains matter of interest to every Tech. man, to every one who knows a Tech. man, and to every one who wants to know a Tech. man. Thus all possible cases are covered—"and the formula is general." We will leave you to discover its treasures without further comment.

The possibility of adverse criticism is, of course, recognized, and we assure our readers that it will be accepted thankfully, and in the right spirit. Critics will confer a favor by putting their opinions in compact form and mailing them to us, accompanied by one dollar, as a guarantee of good faith. If they prefer to call, they will be given all due attention by the Board of Editors—Marquis of Queensbury Rules.

As a parting word to our reader we suggest that she—or he—read our TECHNIQUE on the homoepathic plan; *i. e.*, in small portions. Our reasons for this limitation are twofold: first, you will in all human probability never again meet with a book as entertaining and instructive, therefore you should enjoy it as long as possible; second, persons of delicate, nervous temperament might be seriously affected by the strain of continued mental exaltation. It is our firm conviction that, by following the method we advise, you can peruse with perfect safety our entire volume.

Calendar.

1890-91.

School Year began	Monday, September 29, 1890.
Technique issued	Tuesday, December 23, 1890.
Semi-annual Examinations will begin . . .	Wednesday, January 14, 1891.
Semi-annual Vacation will begin	Saturday, January 24, 1891.
Second Term	Tuesday, February 3, 1891.
Annual Examinations will begin	Monday, May 18, 1891.
School Year will end	Saturday, May 30, 1891.
Degrees Conferred	Tuesday, June 2, 1891.
First Entrance Examinations will be held	{ Thursday, June 4, 1891, and Friday, June 5, 1891.
Second Entrance Examinations	{ Tuesday, September 22, 1891, and Wednesday, September 23, 1891.
Examinations for advanced standing . . .	Thursday, September 24, 1891.
School Year of 1891-92 will begin	Monday, September 28, 1891.

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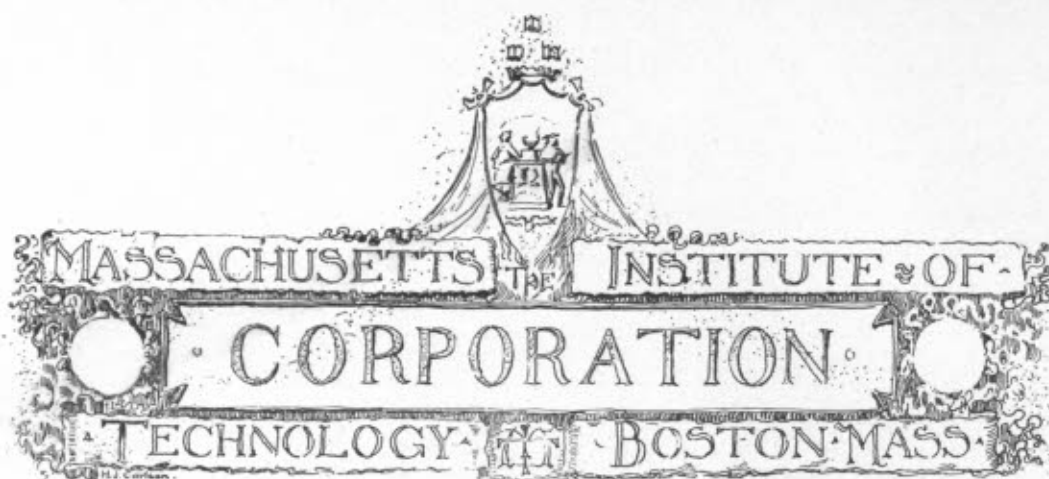
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△ △ △ △ △ △

△ FOR THE YEAR △

1890~91



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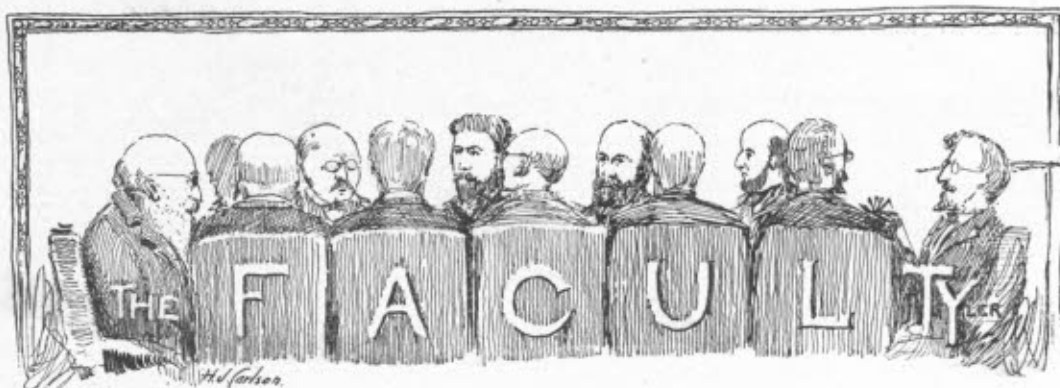
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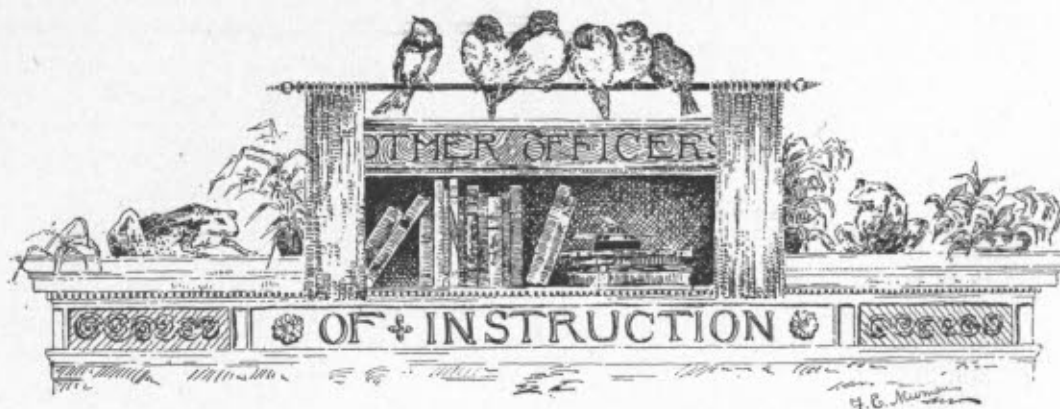
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ELTON D. WALKER, S. B.	<i>Assistant in Civil Engineering.</i>
WILLIS R. WHITNEY, S. B.	<i>Assistant in General Chemistry.</i>

TECHNIQUE.

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JAMES R. LAMBIRTH	<i>Instructor in Forging.</i>
ROBERT H. SMITH	<i>Instructor in Machine-tool Work.</i>
WALTER S. DODD	<i>Assistant in Wood-work.</i>
LAWRENCE W. CASE	<i>Assistant in Machine-tool Work.</i>
WILLIAM C. STIMPSON	<i>Assistant in Forging.</i>

Lecturers for the Current Year.

JOHN C. GRAY, A. M., LL.B.	<i>On Business Law.</i>
GEORGE W. BLODGETT, S. B.	<i>On Applications of Electricity to Railway Working.</i>
HENRY M. HOWE, A. M., S. B.	<i>On Metallurgy.</i>
ROSS TURNER	<i>On Water Color and Sketching.</i>
CHARLES W. HINMAN, S. B.	<i>On the Manufacture of Illuminating Gas.</i>
WALTER S. ALLEN, S. B.	<i>On the Manufacture of Fertilizers.</i>
DAVID A. GREGG	<i>On Pen and Ink Drawing.</i>
ANTHONY C. WHITE, S. B.	{ <i>On the Distribution of Electricity for Commercial purposes.</i>
EDWARD BLAKE, PH. B.	<i>On the Construction and Applications of Electromotors.</i>
GARY N. CALKINS, S. B.	<i>On Microscopical Technique.</i>
FRANKLIN W. WHITE, S. B.	<i>On Bacteriology.</i>
GEORGE W. FULLER, S. B.	<i>On Sanitary Biology.</i>
JOHN R. FREEMAN, S. B.	{ <i>On the Hydraulics of Fire Protection, and on Fire-proof Construction.</i>

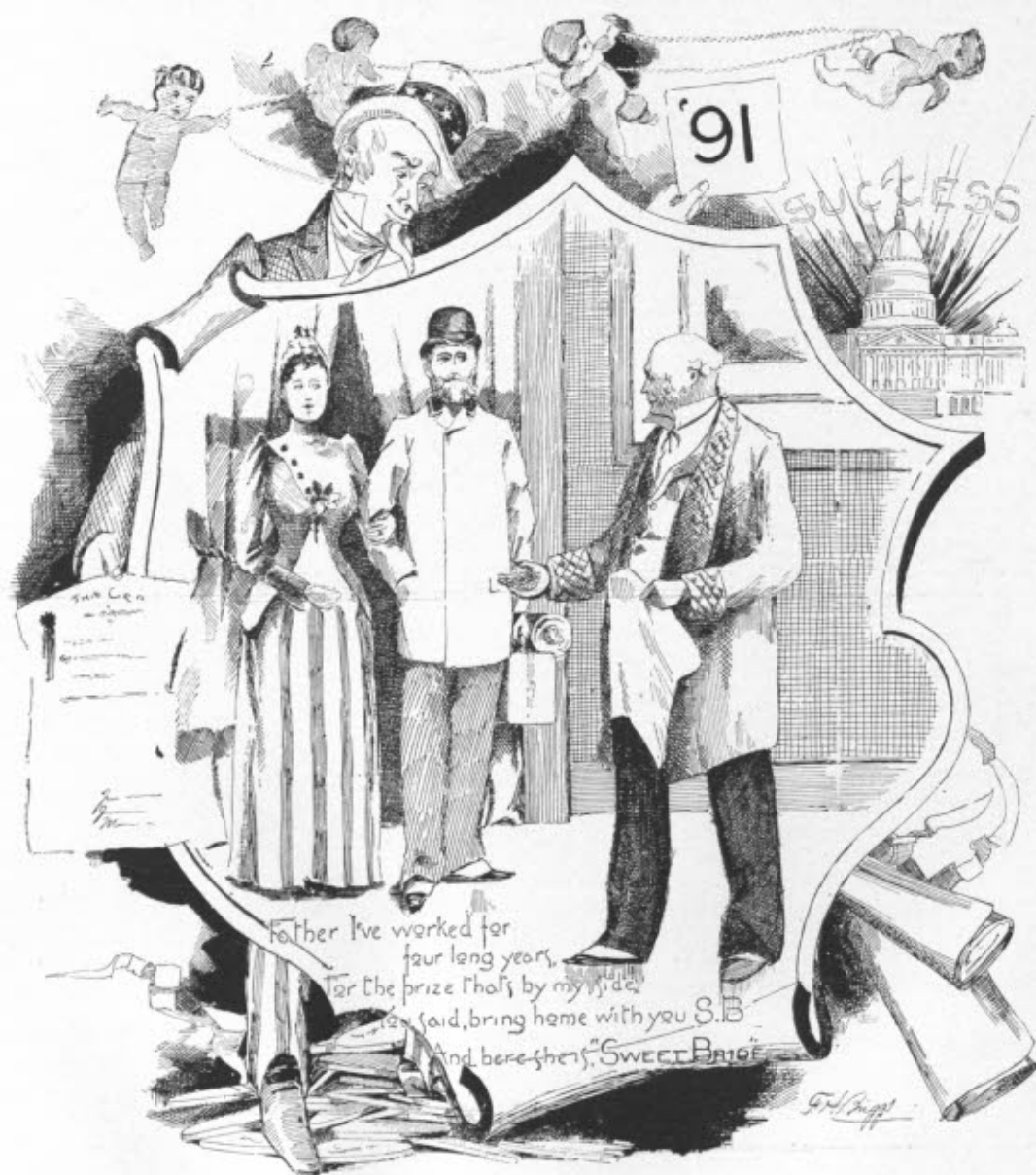
Graduate Students.

Candidates for Advanced Degrees.

ADAMS, ARTHUR HENRY, S. B.	Massachusetts Institute of Technology.	Newton	Newton.
POLAND, WILLIAM BABCOCK, S. B.	Massachusetts Institute of Technology.	Boston	19 Garrison Street.
RIPLEY, WILLIAM ZEBINA, S. B.	Massachusetts Institute of Technology.	Newton	Newton.
SHERMAN, CHARLES WINSLOW, S. B.	Massachusetts Institute of Technology.	Kingston	14 West Canton Street.
LINCOLN, GEORGE RUSSELL, S. B.	Massachusetts Institute of Technology.	Hingham	Hingham.
<hr/>			
BOLAN, THOMAS VINCENT, A. B.	Georgetown College.	Philadelphia, Penn.	40 Dudley Street, R.
CALKINS, LEIGHTON, A. B.	Harvard University.	Newton	Newton.
CLARKE, PRESCOTT ORLOFF, B. P.	Brown University.	Providence, R. I.	24 Kenilworth Street, R.
CLEMENT, HUGH BARRETT, PH.B.	Kenyon College.	Hepburn, Ohio	61 Chandler Street.
CODMAN, JOHN STURGIS, A. B.	Harvard University.	Cotuit	57 Marlborough Street.
COVELL, EDDY CLARK, A. B.	Hamilton College.	Cazenovia, N. Y.	41 Union Park.
CRANE, JOSHUA, JR., A. B.	Harvard University.	Brookline	Brookline.
DADMUN, GEORGE ESTABROOK, A. B.	Harvard University.	Philadelphia, Penn.	13 Arlington Street.
DANIELL, JOSHUA, S. B.	Michigan Mining School.	Opechee, Mich.	306 Columbus Avenue.
DERR, LOUIS, B. A.	Amherst College.	Pottsville, Penn.	10 Columbus Square.
DILL, HOWARD ALBERT, B. S.	Swathmore College.	Richmond, Ind.	99 Pinckney Street.
ESTY, WILLIAM, A. B.	Amherst College.	Amherst	10 Columbus Square.
FOSTER, FRANCIS HOMER, B. S.	Boston University.	Andover	273 Columbus Avenue.
GRAVES, WILLIAM HAGERMAN, LL. B.	Cornell University.	Milwaukee, Wis.	Cambridge.
LEVI, LOUIS	Baltimore City College.	Baltimore, Md.	79 Windsor Street.
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Oberlin College.		
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Harvard University.		
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Yale University.		
SCHWEITZER, JOHN FRANCIS, B. A.	New Orleans, La.	292 Columbus Avenue.
Springhill College.		
SHAW, HOWARD VAN DOREN, B. A.	Chicago, Ill.	27 St. James Avenue.
Yale University.		
STARR, PALMER WILLIAMSON, B. C. E.	Carson, Iowa	Hotel Thorndike.
Iowa State College.		
STILLWELL, HENRY COLBY, B. S.	Dayton, Ohio	127 Pembroke Street.
Denison University.		
SYKES, HENRY HUTCHINS, PH.B.	New Haven, Conn.	Melrose Highlands.
Yale University.		
THORNDIKE, HARRY HILL, A. B.	Boston	175 Marlborough Street.
Harvard University.		
THORNDIKE, STURGIS HOOPER, A. B.	Cambridge	Cambridge.
Harvard University.		
TOROSSIAN, TOROS HOUGHANES, B. A.	Roustchuk, Bulgaria	West Somerville.
Robert College.		
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University of the City of New York.		
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NINETY-ONE! NINETY-ONE! RAH, TECHNOLOGY, NINETY-ONE!

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History of the Senior Class.



MORE than three years have gently slid from the present into the past since '91 first adorned the Rogers corridor. It need hardly be said that her members attacked the entrance examinations with almost human intelligence, and fared no worse than their predecessors. She makes her last appearance in *TECHNIQUE* as the guiding star of the adolescent Freshman, the envy of the omniscient Junior, and points with pride to a record that, for solid mediocrity, stands unrivaled. Ninety-One does not stand on the top of the heap and wildly shriek that her career has been a dazzling scintillation, that her deeds are incomparable, that her fame will outlast the adamantine rocks; but she believes that she has not filled an unworthy place in the Institute, and is not ashamed to grasp the hand of the least of Freshmen, and call him a man and a brother. Firmness in matters requiring determination and self-sacrifice has been '91's cardinal virtue. Did she not in her Sophomore year, with true sense of the eternal fitness of things and of the size of the Freshman Class, forego

"The stern joy that warriors feel
In foemen worthy of their steel,"

and refuse to participate in a rush with the Freshman Class? Did she not accept with easy *sang froid* the defeat of her football team on two successive years, by scores so close as to make one feel that Providence had slipped a notch, and that the truly good

TECHNIQUE.

were not in it? Has she not at all times and in all places received her many defeats with perfect imperturbability, and her victories without undue exhilaration? Yessur. But it is not necessary to chronicle defeats alone, except so far as it indicates the disposition of the class to be frank and open with all mankind. Victories? Ah! yes. Remember that tug-of-war team that pulled all comers till the cleats shouted with wooden glee. Remember the young blood that we put into the victorious football team of '87-88. Remember the Institute record on the running high jump. Ninety-One has endeavored to keep a steady pace in prescribed study and in original research. She was the first class to substitute cider for water in the boiler tests, to the ruination of the Institute boilers and the upsetting of all theories of the expansion of gases. She has estimated the stress represented by each member of the Faculty. She has an ample understanding of the theory of probabilities, but no member of '91 has got so far as to estimate its application to the possibility of graduating. And—but these are incidents, and fade into insignificance beside the achievements in the sphere in which mind rules matter, and small means accomplish large ends. Ninety-One has always stood as the exponent of the highest and best in scholarship. In class matters her members have always stood together in the bonds of hearty good fellowship. There have never been any internal strifes in '91; and as we cast this last look behind, and review the history of the class from its inception to the present time, we cannot but feel that we have been blessed with quite our share of the joys of student life. Of the future—but this is history, not prophecy. Can we doubt that the sturdy, dogged persistence that has characterized her past, will carry '91 to continued success?

AND THE BAND PLAYED ANNE LAURIE





Course I.

A Star (*) signifies Special Student.

BARRI, JOEL GRAY	Cambridgeport	Cambridgeport.
BLACKMER, JAMES WESTON, 2d	Plymouth	Plymouth.
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DE BULLET, JOHN CHARLES EUGENE	Carroll, Md.	Hotel Brunswick.
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KEENE, THOMAS MEANS	Chelsea	Chelsea.
KEENE, WILLIAM FAITOUTE	Saugatuck, Conn.	12 St. James Avenue.
KNOWLES, MORRIS, 2d	Lawrence	21 St. Charles Street.
*LEE, ELISHA, JR.	Port of Spain, Trinidad	684 Tremont Street.
*MARQUAND, PHILIP, A. B.	Newburyport, Mass.	4 Spruce Street.
MARCH, CLEMENT	Cambridge	Cambridge.
MOORE, FRED FORREST	Waltham	Waltham.

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*PINTO, FRANCISCO DE MIRANDA	Rio de Janeiro, Brazil . . .	94 Huntington Avenue.
PRATT, NATHAN RAYMOND	Sudbury	
ROBERTS, HAROLD BARNES	Boston	81 Mt. Vernon Street.
ROBERTS, WILLIAM JACKSON, A. B.	The Dalles, Ore.	22 St. Charles Street.
*STARR, PALMER W.	Carson, Iowa	30 Dartmouth Street.
STEARNS, EDWARD BURNHAM	East Watertown	East Watertown.
*TAYLOR, GORDON HOOKER	North Cambridge	North Cambridge.
VAILLANT, GEORGE WIGHTMAN	New York, N. Y.	27 Blagden Street.
VERGES, LOUIS FRANCISCO	Arroyo, Porto Rico	Hotel Cluny.
WARREN, JOSEPH ADAMS	Cumberland Mills, Me.	

Course II.

AIKEN, CHARLES WILSON	Franklin, N. H.	111 Pembroke Street.
BALL, ROBERT STEELE	Dublin, Ireland	165 West Canton Street.
BIRKS, JOHN HENRY	Montreal, Can.	217 Huntington Avenue.
BLANCHARD, FREDERICK CHAMBERS	Dorchester	293 Commercial Street, D.
BOWEN, STEPHEN	Roxbury	255 Warren Street, R.
BRAND, HORACE LEWIS	Chicago, Ill.	111 Pembroke Street.
*BROOKS, THOMAS MUSGRAVE	South Sudbury	South Sudbury.
BRYDEN, GEORGE WILLIAM	Chelsea	Chelsea.
BURTON, FRANK HOWARD	Providence, R. I.	54 Berkeley Street.
CHILDS, EDWARD LINCOLN	Lee	23 Worcester Square.
*CLARK, CHARLES HIRAM	Thorndike	146 Chandler Street.
COLE, FRED ALLEN	Camden, Me.	Hotel Edinburgh.
COLE, HARRISON IRVING	Kingston	140 West Canton Street.
FRENCH, LESTER GRAY	Brattleboro, Vt.	13 Concord Square.
FUGER, FREDERIC WILLIAM	Fort Barrancas, Fla.	94 Huntington Avenue.
*GOTTLIEB, ALBERT SAMUEL	Brooklyn, N. Y.	202 Dartmouth Street.
HOPTON, WALTER EDWIN	Bridgeport, Conn.	30 Hanson Street.
KOCH, CHARLES FREDERICK	Cincinnati, Ohio	142 Chandler Street.
LELAND, WILLIAM EMMONS	Saxonville	Saxonville.
LIBBEY, ERNEST LINWOOD	Lowell	Lowell.
*MANSFIELD, KING WILLIAM	Melrose Highlands	Melrose Highlands.
MITCHELL, GUY EDWARD	Lowell	Lowell.
MOORE, FREDERICK CLOUSTON	Brookline	Brookline.
MOSELEY, ALEXANDER WILLETT	Evanston, Ill.	78 Rutland Street.
NORTON, FRED ELMER	Little Rock, Ark.	80 Pinckney Street.
READ, CARLETON ALLEN	Rockland	731 Tremont Street.
*RICE, HAMILTON	Palatine Bridge, N. Y.	30 Hanson Street.

TECHNIQUE.

RICHARDSON, WILLIAM CUMSTON	Boston	365 Marlborough Street.
ROSE, FREDERICK HOLLAND	Cleveland, Ohio	78 Rutland Street.
SWAN, JAMES	Dorchester	Arcadia Street, D.
TROWBRIDGE, WALTER BACON	Newton	33 St. James Avenue.
TYLER, CLIFFORD MOLINEAUX	Brookline	Brookline.
WETHERBEE, CHARLES PHELPS	Detroit, Mich.	Somerville.
WILSON, FRED ALLYN	Nahant	11 Albion Street, D.
WOOD, CHARLES HANCOCK	Brookline	Brookline.

Course III.

FAVOR, GEORGE WARREN	Chicago, Ill.	144 Boylston Street.
HAMILTON, EDGAR LOCKWOOD	Fond du Lac, Wis.	12 St. James Avenue.
*HARRIS, JOHN LUTHER	Hancock, Mich.	144 Boylston Street.
HASKINS, WILLIAM	Medford	Medford.
WESTON, WILLIAM HUTCHINSON	Boston	285 Newbury Street.

Course IV.

CLEMENT, HUGH BARRETT	Hepburn, Ohio	61 Chandler Street.
DONN, EDWARD WILTON, JR.	Washington, D. C.	94 Huntington Avenue.
LAWRENCE, WILLIAM HENRY	Dorchester	34 Sumner Street, D.
LEEMING, WOODRUFF	Brooklyn, N. Y.	17 St. James Avenue.
MEYER, JOSEPH ANDREW, JR.	Boston	10 Rutland Street.
*PUNCHARD, WILLIAM HENRY	Chelsea	Chelsea.
*REED, FREDERICK NEWLAND	Dorchester	100 Savin Hill Avenue, D.
STIX, SOL HENRY	Cincinnati, Ohio	352 Columbus Avenue.
*VANCE, JOSEPH McARTHUR	Chattanooga, Tenn.	506 Columbus Avenue.
*WALKER, AMBROSE	Boston	237 Beacon Street.

Course V.

*ADAMS, WILLIAM HURSEY	Newburyport	Newburyport.
BASSETT, WILLIAM HASTINGS	New Bedford	760 Tremont Street.
HATHAWAY, HERBERT EMERSON	Fall River	22 Yarmouth Street.
HERSAM, ERNEST ALBERT	Stoneham	Stoneham.
JORDAN, HARRY WARREN	Kennebunk, Me.	92 Pembroke Street.
KAUFFMAN, MILTON HENRY	Chicago, Ill.	5 Oxford Terrace.
McKENNA, ALEXANDER GEORGE	Allegheny, Penn.	145 West Newton Street.
*SHATTUCK, ARTHUR FORREST	Winchester	Winchester.
STODDARD, ARTHUR BATES	Taunton	Taunton.
TAYLOR, HARRY BURLINGAME	Boston	140 Marlborough Street.

TECHNIQUE.

WEED, HENRY TOWNSEND	Brooklyn, N. Y.	145 West Newton Street.
WHITE, ANNIE ELIZABETH	Roxbury	70 Vernon Street, R.
*WHITE, JOSEPH FOSTER	Brookline	Brookline.

Course VI.

BOLAN, THOMAS VINCENT, A. B.	Philadelphia, Penn.	40 Dudley Street, R.
BRADLEE, HENRY GODDARD	Boston	113 Beacon Street.
*BRAINERD, WALLACE HEBER	Chicago, Ill.	772 Dudley Street, D.
CAPEN, BARNARD, JR.	South Boston	534 East 4th Street, S. B.
*CLOUGH, ALBERT LUCIEN	Manchester, N. H.	190 W. Brookline Street.
CONANT ROGER WINTHROP	Gloucester	212 West Canton Street.
*DORR, FRANK HAYES	Great Falls, N. H.	55 East Chester Park.
ENGLAND, PAUL WILLARD	Allston	4 Gardner Street, A.
ENSWORTH, HORACE HAYDEN	Hartford, Conn.	Hotel Ilkley.
GARRISON, CHARLES	Brookline	Brookline.
GREER, MEDOREM WILLIAM	Tacoma, Wash.	52 Chandler Street.
*HAWLEY, GEORGE BURTON	Hartford, Conn.	Hotel Ilkley.
*HOWLAND, ARTHUR	West Newton	West Newton.
MOSSMAN, WILLIAM	Mattapan	Norfolk Street, M.
OXFORD, GEORGE HENRY KIMBALL	Cambridgeport	Cambridgeport.
PALMER, WILLIAM IRVING	Winchester	Winchester.
RICKER, CHARLES WILLIAM	Buffalo, N. Y.	150 Warren Avenue.
SNYDER, FREDERICK TITCOMB	Waterford, N. Y.	165 West Brookline Street.
SPAULDING, HENRY PLYMPTON	Newton	Newton.
SPENCER, THEODORE	Cambridge	Cambridge.
SPOONER, GEORGE HOWARD	New Bedford	760 Tremont Street.
SYKES, HENRY HUTCHINS, PH.B.	New Haven, Conn.	Melrose Highlands.
VIELÉ, FRANCIS STUART, B. S.	Geneva, N. Y.	22 Yarmouth Street.
WAIT, HENRY HEILEMAN	Chicago, Ill.	82 Myrtle Street.
WARNER, GEORGE MENZIES	Fall River	202 Dartmouth Street.
WASON, LEONARD CHASE	Brookline	Brookline.
*WATERMAN, CHARLES CLARENCE	Charlestown	80 Green Street, C.
*WHITE, JAMES FRANCIS	Waterbury, Conn.	Hotel Ilkley.

Course VII.

BIRD, ADELAIDE	Cambridge	Belmont Street, Cam.
BLACKWELL, ETHEL BROWN	Elizabeth, N. J.	Boutwell Avenue, D.
BRYANT, DIXIE LEE	Columbia, Tenn.	12 Dartmouth Street.
RAMSEY, ALLAN	Cincinnati, Ohio	5 Walnut Street.

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Course VIII.

MALTBY, MARGARET ELIZA, A. B.	Oberlin, Ohio	7 Irvington Street.
MANSFIELD, ARTHUR NEWHALL	Wakefield	Wakefield.
THOMPSON, HERBERT ARTHUR	Amherst	3 Yarmouth Street.

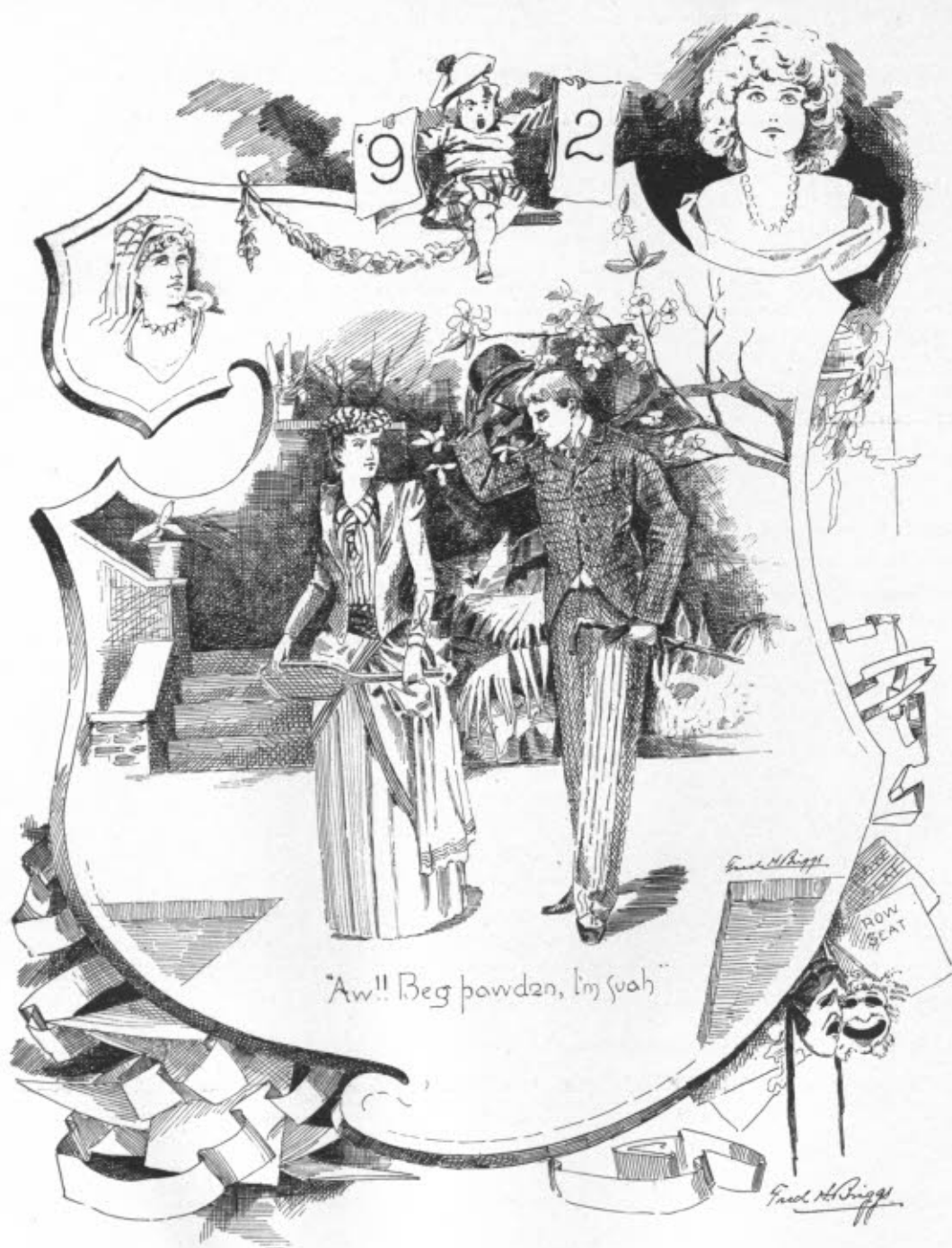
Course IX.

*ALLEY, ARTHUR HUMPHRYS	Jamaica Plain	Revere Street, J. P.
*PIERCE, ALBERT RUSSELL	New Bedford	70 St. James Avenue.
ROOTS, WILLARD HOLT	Little Rock, Ark.	80 Pinckney Street.
*TALLANT, GEORGE PAYNE	San Francisco, Cal.	93 Mount Vernon Street.

Course X.

BRYANT, WILLIAM PAGE	Charlestown	170 Bunker Hill Street, C.
CUNNINGHAM, EDWARD	East Milton	East Milton.
DART, WILLIAM CRARY	Providence, R. I.	33 St. James Avenue.
FISKE, HENRY ANTHONY	Roxbury	50 Elmore Street, R.
FORBES, HOWARD CARLETON	Roxbury	96 Elm Hill Avenue, R.
HOLMES, GEORGE ALFRED	Newton Centre	Newton Centre.
KIMBALL, HERBERT SAWYER	Jamaica Plain	Bishop Street, J. P.
WILDER, SALMON WILLOUGHBY, JR.	Lowell	Lowell.





"Aw!! Beg powden, I'm suah"

Fred. H. Briggs

Class of '92.

YELL:

RACKETY WHACK, GO WHACK, GO WHACK,
RACKETY WHACK, GO WHACK, GO WHOO!
RACKETY WHACK, GO WHACK, GO WHACK,
TECHNOLOGY, NINETY-TWO!

COLORS: BLACK AND CRIMSON.

OFFICERS FOR THE THIRD YEAR:

President.

FREDERICK HILL MESERVE.

Vice-President.

GEORGE VINCENT WENDELL.

Secretary-Treasurer.

SEVERANCE BURRAGE.

History of the Junior Class.

(AS TOLD BY ITS PRESIDING GENIUS.)



N the present day it is not generally believed that genii exist and control men and events. For this reason, when one of *TECHNIQUE*'s editors asked me to write up my experience, I hesitated before accepting. I knew that many would say it was made out of whole cloth by some Juniór, and would refuse to give it any credence. The persuasive editor prevailed, however, and I will leave it for him to vouch for the genuineness of this tale.

Something more than two years ago my chief, who knew I was out of a job, asked me if I would take the Freshman Class at the Institute, and see them through their course. Institute work was not new to me, and I agreed, rather reluctantly. He said that if I chose, I might wait a year and take the next class. I was strongly tempted to do so, but have since thanked my stars that I took '92. A friend of mine has '93, and she is nearly dead from the care and shame that they cause her. When I came down to look at my Fresh-

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men, I found them staring vacantly about Rogers, or eating their lunch in Room 11. They were just the aimless lot that I expected to find. I suggested to some of them that they hold a class meeting, and organize. This was soon done, and I was greatly encouraged by their wise choice of officers.

They were thus well started, and I had nothing of importance to do until the football game. I took good care of them then, and it warmed the cockles of my heart to see how they laid out the Sophomores. They were not content with that triumph, but won in addition the tug-of-war and the baseball game with '91.

My boys had a hard time at their first Semies. Lots of them had their constitutional nerve completely shattered, and had to retire from active life. The Annuals cut off many more in the bloom and freshness of their youth, and I wore mourning all summer.

When I returned in the fall to look after my charges, I found that they would need all the attention that I could give them. You see they had the idea that the entire solar system, including the interstellar space, was theirs, and it was a long task to cure them. They were a good-hearted class, however, and offered their aid in organizing the Freshmen; but their kindness, as is too often the case here below, was misconstrued, and they were indignantly rebuffed.

Their equanimity was undisturbed, and they determined to heap coals of fire upon the heads of the offending Freshmen. This was accomplished at the football game, mud and other Freshmen being used instead of the aforementioned coals.

It was really all I could do to get them through this year. They thought they could pass in Physics, and take seven "nights off" each week besides, and it was a great strain. I managed to get a glimpse of the examinations, and gave a few timely hints, for which I was afterward devoutly thanked.

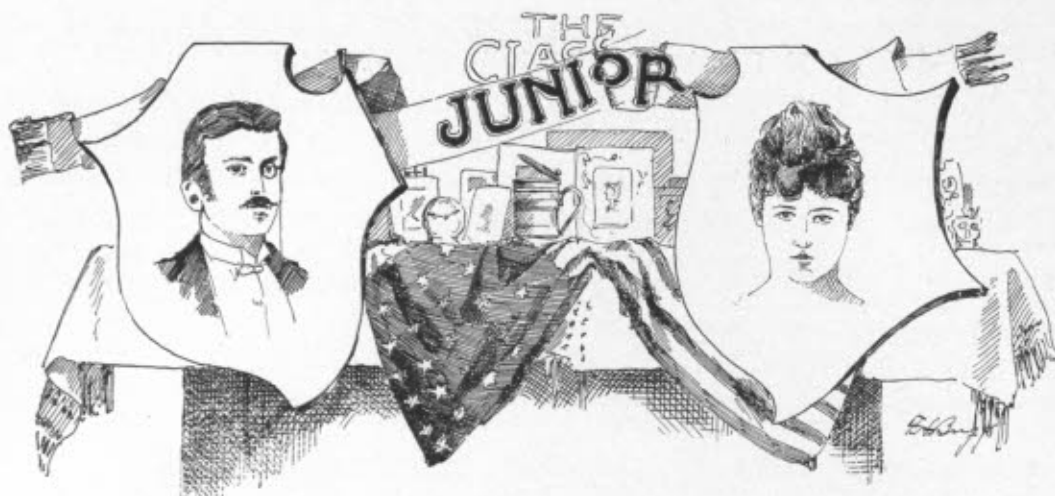
The only other matters of interest that I remember, were the Sophomore supper, from which I guided several men with difficulty to their lodgings, and the baseball game with '93.

When my class returned this fall as Juniors, I hardly knew them. Most of them wore mustaches, some had full beards, and all appeared at least two inches taller. They seem to realize that they are now men, and I anticipate very little trouble on their account. They are working hard, scientifically and socially, and achieve success in both directions. By a little judicious assistance I hope to carry them safely through the pestilential seasons of January and May. Next year will be their last, and I shall bid them farewell with much regret.

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I am very grateful that TECHNIQUE has given me this opportunity to say a good word for '92. As their tutelary genius, I have become well acquainted with every member of the class, and by comparing notes with the genii of '91 and '93, I find I have much the best class. Whenever called upon, I shall be glad to render them my hearty assistance.





Course I.

A Star (*) signifies Special Student.

*BISSELL, ROBERT WILSON	Pittsburgh, Penn.	8 St. James Avenue.
*BUCHHOLZ, CHARLES EGMONT	Hempstead, N. Y.	35 St. James Avenue.
*COGSWELL, CHARLES PERKINS, JR.	Norwich, Conn.	6 Berwick Park.
CURTIN, JOHN ANDREW	Roxbury	19 Waumbeck Street, R.
DANA, GORHAM	Dorchester	34 Glendale Street, D.
DAVIS, CARLETON EMERSON	Newton Centre	Brookline.
*DODGE, SAMUEL DOUGLASS	Arlington	Arlington.
DOUGLASS, WALTER BAILEY	Lowell	Lowell.
FALVEY, JOHN JOSEPH	East Somerville	East Somerville.
*FOSTER, FRANCIS HOMER, B. S.	Andover	273 Columbus Avenue.
*GOETZMANN, ALBERT LEE	Boone, Iowa	140 Worcester Street.
GREEN, WILLIAM WILCOX	Blue Island, Ill.	310 Columbus Avenue.
HALL, ALBERT PERCIVAL	Chicago, Ill.	17 St. James Avenue.
HOWLAND, FREDERICK HOPPIN	Providence, R. I.	33 St. James Avenue.
*HOWLAND, FRANK SEAMAN	Athens, N. Y.	57 Chandler Street.
*KNUDSEN, AUGUSTUS FRANCIS	Kauai, H. I.	Cambridge.
*LAMBERT, WALLACE CORLISS	Lowell	56 Clarendon Street.
*LOOK, MOSES JEROME	Boston	21 Harwich Street.
LYON, JOSEPH PALMER	Hanover, Conn.	385 Columbus Avenue.
MANLEY, LAURENCE BRADFORD	West Roxbury	West Roxbury.
METCALF, LEONARD	Cambridge	Cambridge.
*MIRICK, GEORGE LONDON	Everett	Everett.

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MORRILL, ASA HALL	Neponset	2 High Street, N.
*NEWMAN, ANDREW PARKER, JR.	Roxbury	19 Montrose Street, R.
*NORRIS, WALTER HENRY	Melrose	Melrose.
OBER, ARTHUR JOSEPH	West Medford	West Medford.
OTIS, HAMILTON	San Francisco, Cal.	430 Columbus Avenue.
PARASCHOS, NICOLAS THEOPHANES	Constantinople, Turkey	453 Beacon Street.
POPE, MACY STANTON	East Machias, Me.	5 Pelham Street.
PRATT, DANA MOORE	South Hanson	South Hanson.
ROWELL, GEORGE FREEMAN	Peabody	Peabody.
SARGENT, ALBERT FRANCIS, JR.	Malden	Malden.
SAUNDERS, ROBERT THOMSON	Tacoma, Wash.	92 Worcester Street.
SHERMAN, LE ROY KEMPTON	Chicago, Ill.	26 Rutland Square.
THALHEIMER, WILLIAM COOLIDGE	Cincinnati, Ohio	Newton Centre.
TOROSSIAN, TOROS HOUGHANES, B. A.	Roustchuk, Bulgaria	613 Tremont Street.
WALKER, FRANCIS	Boston	237 Beacon Street.
WARREN, WILLIAM	Brighton	Brighton.
WEIS, SAMUEL WASHINGTON	New Orleans, La.	160 Huntington Avenue.
*WELCH, JAMES JEFFERSON	Salem	Salem.
WESTCOTT, FRANK THOMAS, PH.B.	Hopedale	Hopedale.
WETHERBEE, GEORGE HENRY, JR.	East Marshfield	Newtonville.
*WHITE, HARTLEY LAURINGTON	Brookville	Brookville.
WILLIAMS, HARRY NYE	Cleveland, Ohio	150 Huntington Avenue.

Course II.

ADAMS, WILLIAM LINVILLE	East Boston	111 Eutaw Street, E. B.
*BOURNE, PHILLIPS PAYSON	Foxboro	Foxboro.
*BRAMAN, SAMUEL NOYES	Wayland	Wayland.
BROWN, WILLIAM FRANKLIN SNOW	Portland, Me.	40 Union Park.
BURNHAM, HARRY ATWOOD	Waltham	Waltham.
CATER, DOUGLAS AYMAR	New York, N. Y.	5 St. James Avenue.
*CHASE, HENRY MAYO	Holyoke	144 West Newton Street.
COGGIN, FREDERICK GRISWOLD, JR.	Lake Linden, Mich.	212 West Canton Street.
COLBY, JOHN MASON, JR.	East Boston	117 Trenton Street, E. B.
DADMUN, GEORGE ESTABROOK, A. B.	Philadelphia, Penn.	13 Arlington Street.
DRESSER, HENRY CHESTER	Southbridge	22 Concord Square.
ELY, SUMNER BOYER	New York, N. Y.	117 Berkeley Street.
FITZ, CHARLES FREDERICK, JR.	Watertown	Watertown.
*FRISBIE, WALTER LEVI	Waterbury, Conn.	223 West Canton Street.
FULLER, CHARLES EDWARD	Wellesley	Wellesley.
GILMORE, HOWARD	North Easton	North Easton.

TECHNIQUE.

GOODELL, GEORGE HASKELL	Salem	Salem.
HALL, EDWARD CHILDS, JR.	Watertown	Watertown.
*HIGHLANDS, JOHN ASHLEY	Fall River	78 Huntington Avenue.
*JACOBS, ARTHUR LINCOLN	Melrose Highlands	Melrose Highlands.
JOHNSTON, WILLIAM ATKINSON	Belmont	Belmont.
KALES, WILLIAM ROBERT	Chicago, Ill.	238 Huntington Avenue.
*KRAFT, ELMER PHILIP	Red Bluff, Cal.	137 West Newton Street.
*LOMB, ADOLPH	Rochester, N. Y.	234 West Canton Street.
MARCY, WILLARD ADNA	Newton Upper Falls	Newton Upper Falls.
*MEAD, PERCY WINTHROP	Norwalk, Conn.	8 St. James Avenue.
MESSINGER, WILLIAM HENRY	East Boston	286 Princeton St., E. B.
*MITCHELL, BENJAMIN MERVIN	South Britain, Conn.	507 Columbus Avenue.
*NEWKIRK, WALTER MATTHEW	Newark, Ohio	1 Yarmouth Street.
*NUTTER, CHARLES LATHAN	East Bridgewater	East Bridgewater.
*PARK, CHARLES FRANCIS	Taunton	Taunton.
*RUGGLES, HORACE FOWLE	Boston	165 Falmouth Street.
PARRISH, JAMES SCOTT	Richmond, Va.	150 Huntington Avenue.
PERRY, JOHN CRANSTON	Providence, R. I.	54 Berkeley Street.
ROBERTSON, ANDREW ROBERT	Glasgow, Scotland	165 West Canton Street.
ROSEWATER, WM. MARCUS	Cleveland, Ohio	25 Berwick Park.
SAGER, OSCAR FRANK	Charlestown	52 School Street, C.
*SEARS, CHARLES MAXWELL	Boston	32 Chester Square.
SMITH, EDWIN CLARENCE	Newton	Newton.
SUTTON, STANSBURY	Alleghany, Penn.	33 St. James Avenue.
TIDD, WINTHROP LOWE	Taunton	Taunton.
*WALLACE, FREDERIC APPLETON	Lynnfield	Lynnfield.
WARNER, MURRAY	St. John, N. B.	298 Columbus Avenue.
*WELCH, THADDEUS STEVENS	Augusta, Me.	55 Myrtle Place, R.
WELLS, EDWARD CASTLE	Quincy, Ill.	153 West Canton Street.

Course III.

BROWN, GLENN CHARLES	Tower, Minn.	15 St. James Avenue.
*HARVEY, FREDERIC HALL	Galt, Cal.	238 Huntington Avenue.
HUTCHINSON, WILLIAM SPENCER	Mattapan	44 Morton Street, M.
PARKES, HARRY CHARLES	Chicago, Ill.	137 West Newton Street.
*PALMER, CHARLES NELSON	Middletown, Conn.	6 Rutland Square.
*PEREZ, FAUSTINO ANTERO PARRAS	Coahuila, Mex.	111 Pembroke Street.
RANLETT, ARTHUR GROVER	San Francisco, Cal.	153 West Canton Street.
SWEETSER, RALPH HAYES	Portsmouth, N. H.	382 Longwood Avenue, R.
WENTWORTH, CHARLES T.	Roxbury	46 Sherman Street, R.

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Course IV.

*BLAIR, JOSHUA BROWN	Worcester	Worcester.
*BRIGGS, FRED HENDRICK	Rochester, N. Y.	290 Columbus Avenue.
*CARLSON, HARRY JOHN	St. Paul, Minn.	Newton Centre.
DAVIS, FRANK IRVIN	East Boston	191 Trenton Street, E. B.
DENNETT, WILLIAM HARTLEY	Saco, Me.	58 Chester Square.
*DUTTON, WILLIAM STILLMAN	Cleveland, Ohio	73 Pinckney Street.
FELAND, LOGAN	Owensboro, Ky.	14 East Chester Park.
*FOX, CHARLES ELI	Reading, Penn.	149 Worcester Street.
FRANCIS, FREDERICK LEIGHTON	Fitchburg	234 West Canton Street.
GILL, EDWARD PADDINGTON	Baltimore, Md.	150 Huntington Avenue.
*HALL, JOHN WENTWORTH	Roxbury	8 Hillside Street.
*HOPKINS, PRESCOTT ANDREWS	Newburyport	140 Beacon Street.
*HOUP, HARRY STERLING	Wilkesbarre, Penn.	290 Columbus Avenue.
INGRAHAM, GEORGE HUNT	New Bedford	East Milton.
*JENKS, BARTON PICKERING	Boston	290 Marlboro Street.
*JONES, BAYARD FRANKLIN	Kansas City, Mo.	Cambridgeport.
KOCH, ARMAND DAVID	Milwaukee, Wis.	58 Chester Square.
*LEVI, LOUIS	Baltimore, Md.	17 Garrison Street.
*MESERVE, FREDERICK HILL	Dover, N. H.	708 Tremont Street.
NEWMAN, FRANK EATON	Plainfield, N. J.	83 Montgomery Street.
*PASTORIUS, CHARLES SHARPLESS	Colorado Springs, Col.	Newton.
PERKINS, FRANK EDSON	Boston	14 Appleton Street.
*PETERS, MORRIS AUSTIN	Jamaica Plain	6 Louisburg Square.
*PLACK, LOUIS, JR.	Altoona, Penn.	533 Columbus Avenue.
*PULSIFER, LEWIS WARREN, A. B.	Cambridge	Cambridge.
*ROACH, HARRY FAY	St. Louis, Mo.	Newton Highlands.
*ROOT, EDWARD THOMPSON, A. B.	Providence, R. I.	Malden.
*SCHNEIDER, FERDINAND TURTON.	Washington, D. C.	84 Chandler Street.
*SCHWEITZER, JOHN FRANCIS, B. A.	New Orleans, La.	293 Columbus Avenue.
SKINNER, THEODORE HOBART	Boston	157 Newbury Street.
*SMITH, FRANK PATTERSON	Washington, D. C.	527 Columbus Avenue.
*SYLVESTER, EDMUND QUINCY, JR.	Hanover	Hanover.
TAYLOR, ROBERT ROBINSON	Wilmington, N. C.	
TUCKER, ROSS FRANCIS	Oakland, Cal.	58 Chester Square.
VINING, JOHN FRANKLIN	South Weymouth	South Weymouth.
*WAIT, EDWARD RIGGS	Glens Falls, N. Y.	19 West Cedar Street.
*WARDNER, HERBERT LEAVITT	Dorchester	Bowdoin Avenue, D.
*WATERMAN, HARRY CUSHING	Hanover	Hanover.
*WHITMAN, EDWARD PAYSON	Cambridge	88 Ellery Street, C.

TECHNIQUE.

*WOLTERS DORF, ARTHUR FRED	Chicago, Ill.	127 Pembroke Street.
YOERG, FRANK	St. Paul, Minn.	112 Pembroke street.

Course V.

*BASSETT, GEORGE OLIVER	Sandwich	Lynn.
*BURROUGH, HORACE, JR.	Baltimore, Md.	
CHURCH, ALBERT KINGSLEY	Lawrence	295 Columbus Avenue.
COVELL, EDDY CLARK, A. B.	Cazenovia, N. Y.	41 Union Park.
ELDRIDGE, GEORGE FREDERIC	Hyde Park	Hyde Park.
GRIMES, CHARLES BROWNING	East Boston	55 Monmouth Street, E. B.
MAY, GEORGE HENRY	Newton Centre	Newton Centre.
MILLER, LILLY	Charlestown	33 Essex Street, C.
*MOODY, HERBERT RAYMOND	Chelsea	Chelsea.
*SMITH, ARTHUR CARLTON	Worcester	143 West Canton Street.
*THOMPSON, JOHN GIFFORD	Roxbury	15 Moreland Street, R.
*LEWIS, DANIEL CLARK, A. B.	Suspension Bridge, N. Y.	202 Dartmouth Street.
*WOOFFINDALE, WARREN HERBERT	Charlestown	257 Bunker Hill Street, C.

Course VI.

ALLEN, ORREN	Denver, Col.	507 Columbus Avenue.
BEAL, CHARLES ALSTON	Abington	Abington.
BIGELOW, CHARLES HUDSON	Salem	Cambridgeport.
BUCKLEY, JAMES PINKNEY	Detroit, Mich.	17 St. James Avenue.
BURBANK, PHILIP MOUNTFORT	Waltham	Waltham.
BURNHAM, CHARLES MORTON	Waltham	Waltham.
*CHAPIN, GEORGE EDWIN	Charlestown	32 Chestnut Street, C.
CHASE, CHARLES HARRIS	Stoneham	Stoneham.
CRANE, JOSHUA, JR., A. B.	Brookline	Brookline.
CREDEN, THOMAS HAROLD	South Boston	940 Broadway, S. B.
CODY, LEWIS PHILIP	Grand Rapids, Mich.	40 Union Park.
*CUSHING, ROBERT DELANO	Lunenburg	
DERR, LOUIS, A. B.	Pottsville, Penn.	10 Columbus Square.
*DOE, HAVEN	Salmon Falls, N. H.	303 Columbus Avenue.
DUBOIS, BARRON POTTER	Portsmouth, N. H.	321 Columbus Avenue.
*ESTY, WILLIAM, A. B.	Amherst	10 Columbus Square.
FRENCH, EDWARD RUTLEDGE	Waterbury, Conn.	75 Chandler Street.
GAMBLE, WILLIAM BURT	Detroit, Mich.	8 St. James Avenue.
GRAY, WILLIAM PALMER	Richmond, Va.	150 Huntington Avenue.
HAWLEY, WILLIAM CHURCH	Malden	Malden.
HEYWOOD, ALBERT SAMUEL	Worcester	149 Worcester Street.
*HILLIARD, JOHN DUNLAP, JR.	Provincetown	28 Dwight Street.

TECHNIQUE.

*HOLLIDAY, CLYDE WILLIAM	Roxbury	17 Stafford Street, R.
HOXIE, FREDERICK JEROME	Phenix, R. I.	385 Columbus Avenue.
KENDALL, WILLIAM ROY	Kansas City, Mo.	1 Yarmouth Street.
*KING, WARREN DUDLEY	Peabody	Peabody.
LANE, WILLIAM HOMER	Medford	Medford.
LUKES, JOSEPH BRIAN	Racine, Wis.	Hotel Chester.
*LUKES, GEORGE HOLT	Racine, Wis.	Hotel Chester.
MANSFIELD, RICHARD HERBERT, JR.	Lynn	Lynn.
MCCAW, WALLACE EUGENE	Macon, Ga.	150 Huntington Avenue.
MCQUESTEN, GEORGE EDWARD	Boston	115 Newbury Street.
MILLER, HERBERT STANLEY	Elizabeth, N. J.	152 West Newton Street.
PHILLIPS, HENRY MORTON	Wrentham	298 Columbus Avenue.
PIERCE, ARTHUR GILBERT	East Boston	26 Bremen Street, E. B.
RHODES, FREDERICK LELAND	Winchester	Winchester.
ROBINSON, DWIGHT PARKER	Wareham	Cambridge.
SACKETT, WARD MYRON	Meadville, Penn.	52 Chandler Street.
SAGE, HENRY JUDSON, B. A.	Cincinnati, Ohio	89 Charles Street.
SHUTE, HARRY DAMON	Boston	137 Newbury Street.
*STILWELL, HENRY COLBY	Dayton, Ohio	127 Pembroke Street.
WALES, THOMAS CRANE, JR.	Boston	229 West Chester Park.
WALLACE, CHAS. FREDERIC	Roxbury	62 Roxbury Street, R.
WEBB, HARRY STORRS	Cincinnati, Ohio	166 West Canton Street
*WHEELER, ARTHUR LINCOLN, A. B.	Concord	Concord.
*Vining, LOUIS BRADFORD	South Weymouth	437 Columbus Avenue.
YORKE, GEORGE MARSHALL	Lowell	Lowell.

Course VII.

BECKLER, ALICE HOOPER	South Boston	590 East 7th Street, S. B.
BROWN, BERTHA MILLARD	Roxbury	18 Holborn Street, R.
*BURRAGE, SEVERANCE	West Newton	West Newton.
DODD, MARGARET ELIOT	Roxbury	43 Moreland Street, R.
*EATON, MARIA S.	Worcester	Cambridge.
MATHEWS, ALBERT PRESCOTT	South Evanston, Ill.	708 Tremont Street.
WORTHINGTON, ARTHUR MORTON	Dedham	Dedham.

Course VIII.

WENDELL, GEORGE VINCENT	Cambridgeport	714 Main Street, Cam.
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Course IX.

CLOGHER, ARTHUR WILLIAM	Dedham	Dedham.
*DE CARVALHO, RAUL REZENDE	Rio de Janeiro, Brazil	330 West Chester Park.
FRENCH, ALLEN	Boston	200 Commonwealth Ave.

TECHNIQUE.

*HART, ALBERT LEWIS	Boston	117 Pinckney Street.
HOLMES, FRANCIS CLINTON	Plymouth	17 Oakdale Street, J. P.
*NORTON, FRANCIS COBB	Rockland, Me.	152 West Newton Street.
*SELFRIDGE, RUSSELL	Charlestown	Navy Yard, C.
WATERMAN, RICHARD, JR.	Chicago, Ill.	202 Dartmouth Street.
*WELLS, CHANNING MCGREGORY	Southbridge	78 Huntington Avenue.

Course X.

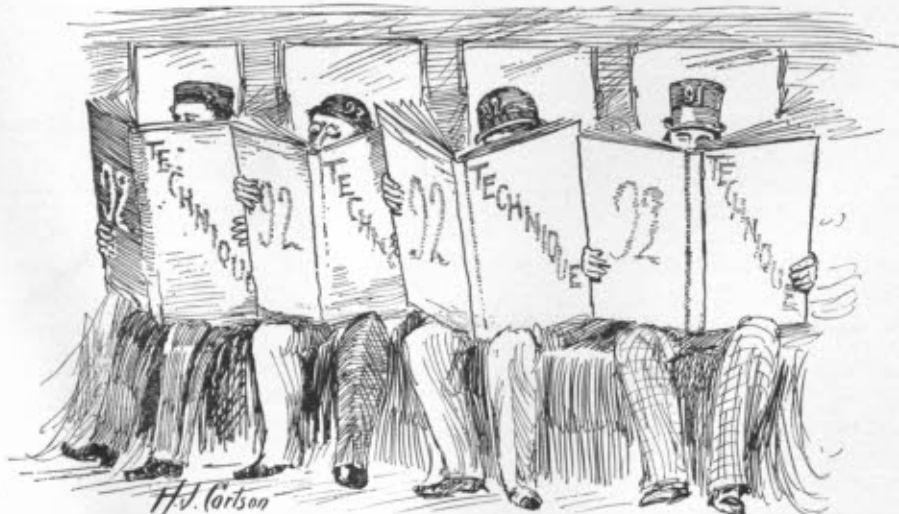
*BLUME, JOHN CHRISTOPHER	Lima, Peru	2 Commonwealth Ave.
BURNHAM, GUY JOHNSTON	Gloucester	32 Gardner Street, A.
*FORBUSH, GAYLE TILTON	Natick	Natick.
JOHNSON, JESSE FOLSOM	Ipswich	Danversport.
MERRILL, FRANK HENRY	Newburyport	Newburyport.
NOYES, EDMUND HORATIO	Arlington	Arlington.

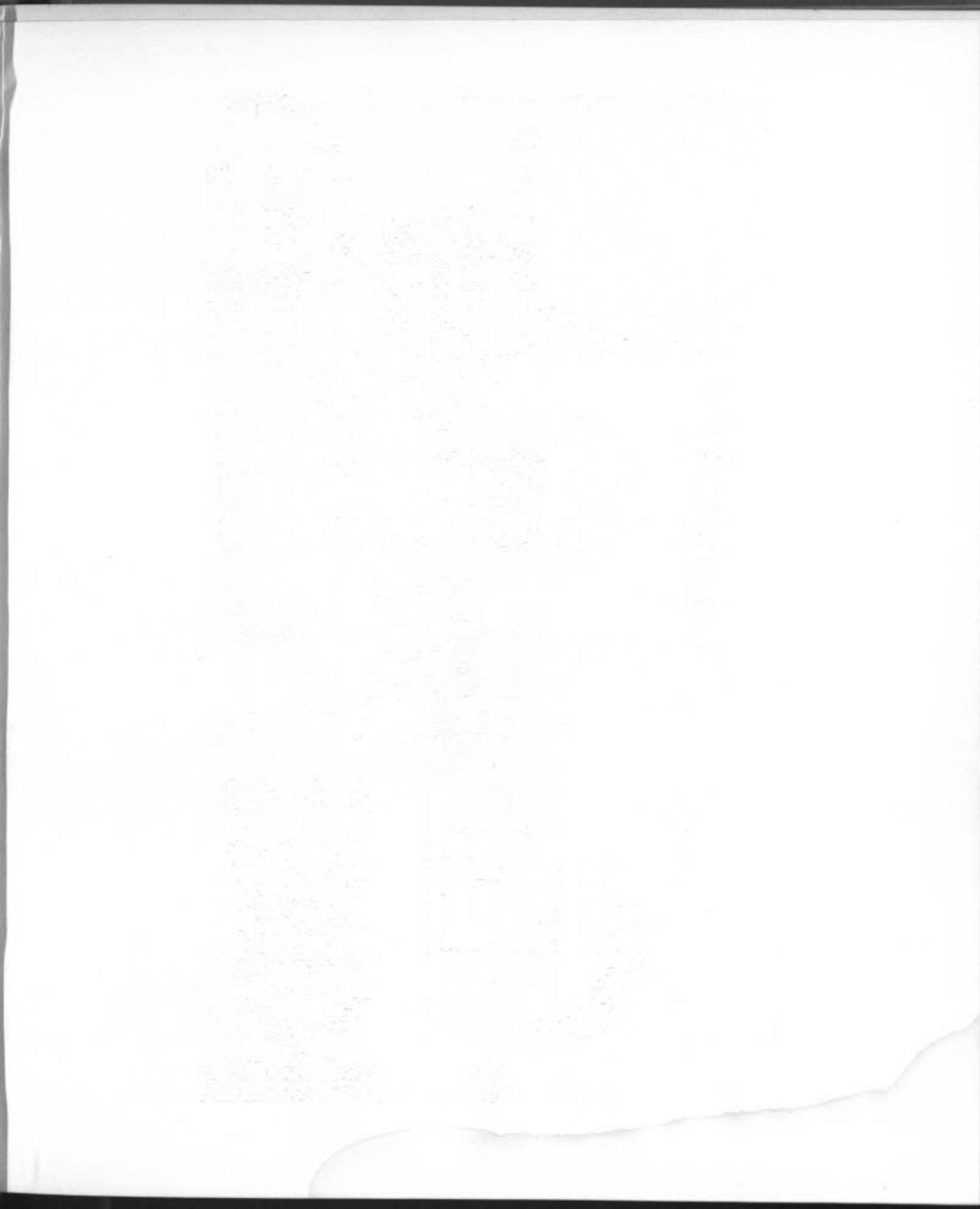
Course XI.

CHASE, RICHARD DAVENPORT	New Bedford	376 Columbus Avenue.
DEAN, ARTHUR WARREN	Taunton	Taunton.
LOCKE, WILLIAM WILLARD	Lockeford, Cal.	298 Columbus Avenue.
MANAHAN, ELMER GOVE	Lawrence	Lawrence.
MERRILL, GEORGE ALBERT	Newburyport	Newburyport.
PRATT, CALVIN BARTON	Bridgewater	Mass. General Hospital.
SHEPHERD, FRANK CUMMINGS	Gloucester	84 Chandler Street.
*WAITT, CHARLES GREENE	Malden	Malden.

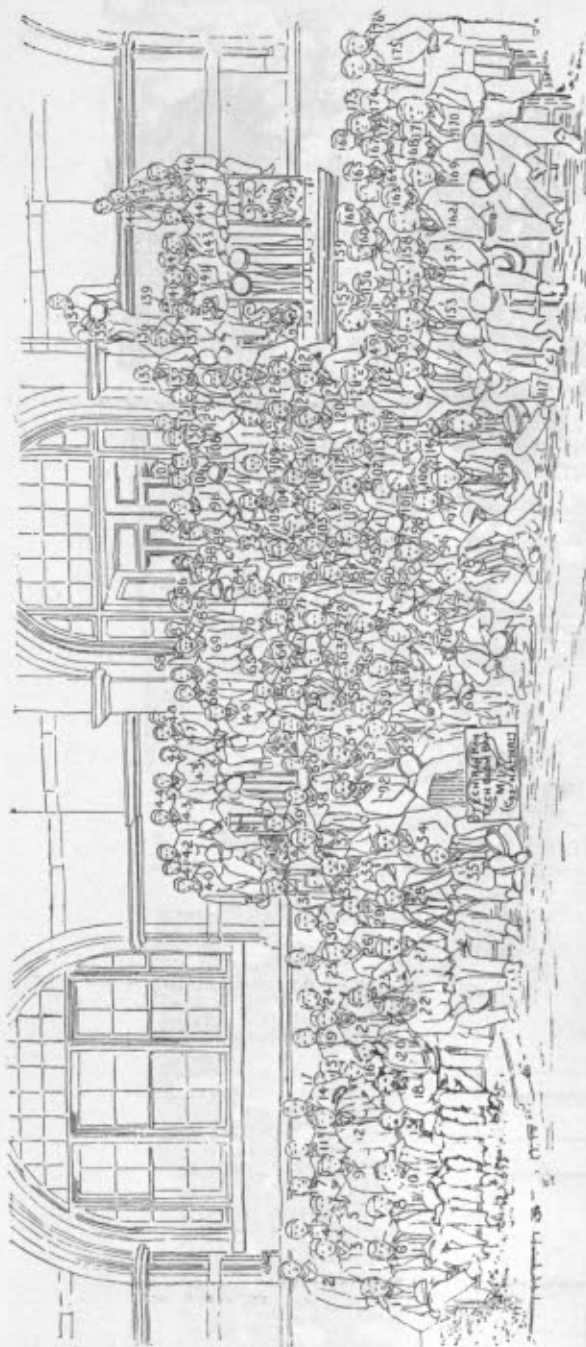
Course XII.

CARD, HUBER DAVID	Willimantic, Conn.	West Medford.
*CLARK, CLARA MAY	Northampton	10 Columbus Square.









KEY TO CLASS GROUP.

1 McCaw.	27 Hoxie.	52 Skinner.	77 Williams.	102 May, Wells.	127 Frisbie.	152 Dennett.
2 Thompson.	28 Allen.	53 Carlson.	78 E. C. Hall.	103 E. C. Wells.	128 Doe.	153 Morrill.
3 Lomb.	29 C. H. Chase.	54 Feland.	79 Nutter.	104 Webb.	129 Coggin.	154 Odis.
4 G. C. Brown.	30 Clogher.	55 Francis.	80 A. P. Newman.	105 Hart.	130 Ely.	155 King.
5 J. W. Hall.	31 Wardner.	56 Dadmun.	81 Eldredge.	106 Perkins.	131 Metcalf.	156 Parkes.
6 C. F. Wallace.	32 Wentworth.	57 Tidd.	82 Wales.	107 Reed.	132 Wendell.	157 Dean.
7 Bassett.	33 J. Schweitzer.	58 Schneider.	83 Miller.	108 Vance.	133 F. E. Newman.	158 Brockunier.
8 Phillips.	34 Holliday.	59 Cody.	84 Miss Becker.	109 Hopkins.	134 G. H. Merrill.	159 York.
9 Sylvester.	35 Johnston.	60 Ingraham.	85 Lyon.	110 Park.	135 Saunders.	160 Heywood.
10 Lane.	36 Green.	61 Newkirk.	86 Miss Miller.	111 Robertson.	136 Harvey.	161 Lambert.
11 Church.	37 Ranlett.	62 C. M. Burnham.	87 Bigelow.	112 Grimes.	137 Shute.	162 DeCarvalho.
12 Ely.	38 Sweetser.	63 Sears.	88 Miss Dodd.	113 Worthington.	138 G. H. Lukes.	163 Buchholz.
13 Woodhale.	39 Marcy.	64 Ruggles.	89 Miss Brown.	114 Card.	139 Mirick.	164 DuBois.
14 G. J. Burnham.	40 Gilmore.	65 Wells.	90 Leeming.	115 Locke.	140 Briggs.	165 Pierce.
15 Holmes.	41 Goodell.	66 Norton.	91 Burrage.	116 Ober.	141 Fenner.	166 R. D. Chase.
16 Warner.	42 B. F. Jones.	67 Gray.	92 Meserve.	117 Shepherd.	142 Pratt.	167 Perez.
17 X	43 Whitman.	68 Dresser.	93 Yoerg.	118 Koch.	143 Look.	168 Buckley.
18 Moody.	44 Beal.	69 Chapin.	94 Gamble.	119 Rowell.	144 Kales.	169 Welch.
19 Bourne.	45 C. M. Wells.	70 McQuesten.	95 W. F. S. Brown.	120 Dana.	145 Highlands.	170 A. French.
20 F. H. Merrill.	46 Fuller.	71 H. A. Burnham.	96 F. I. Davis.	121 E. R. French.	146 Sherman.	171 Dodge.
21 I. F. Johnson.	47 Gill.	72 Burbank.	97 L. B. Vining.	122 Knudsen and Pope.	147 Norris.	172 Colby.
22 Mathews.	48 Fitz.	73 Messenger.	98 Kraft.	123 Littlefield.	148 Manley.	173 Thalheimer.
23 Noyes.	49 Parrish.	74 Kendall.	99 Perry.	124 Wetherbee.	149 Tucker.	174 J. B. Lukes.
24 Rosewater.	50 R. Waterman, Jr.	75 Hutchinson.	100 Forbush.	125 Adams.	150 Wheeler.	175 Derr.
25 Falvey.	51 J. F. Vining.	76 Paraschos.			151 Mansfield.	176 Curtin.



Class of '93.

YELL:

HA! HA! HA! BIZ! BOOM! BAH!

M. I. T.! NINETY-THREE! RAH! RAH! RAH!

COLORS: ORANGE AND BLACK.

OFFICERS FOR THE SECOND YEAR:

President.

EDMUND ENOS BLAKE.

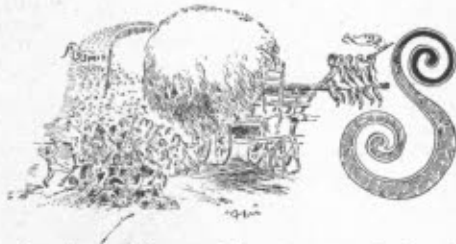
Vice-President.

JOSEPH CURTIS NOBLIT.

Secretary-Treasurer.

JAMES RAMSEY SPEER.

History of the Sophomore Class.



OME two hundred and fifty strong, the Class of '93 trooped from the Institute steps one memorable day last May.* The Annuals were over, Trig had performed its functions, and the fittest had survived. Father Time and the Faculty have, we must admit, dealt

leniently with us, if we may judge from the small number who suddenly found remunerative positions last summer and "decided not to return to the Institute this year."

One of our first outings last year was an inning,—as regards our pockets,—brought about by the sportive Sophs, who tendered us a sail down the harbor to inspect the new cruisers. We enjoyed our trip exceedingly.† Landing at Moon Island was suggested; but owing to the malarious influences of the place we decided not to do so. These same Sophs attempted to advertise their beneficence at our semi-annual drill;

* Chestnuts.

† For the sake of emphasis, '93's historian is here guilty of a slight misstatement of facts.

but as we didn't care to awaken any petty jealousies, we took down their signs. By the way, a few of our members became expert at unhangng signs last year. We have since gone out of the business, however, as we found it didn't pay, on account of a lack of interest in cross-country running at our Institution.

Apropos of athletics, we made a goodly showing in them last year. Owing to a slight misunderstanding—of the game—'92 obtained more points than we in the annual football contest; but when the rush came, the *push* of the class showed up to its best advantage, for we gently persuaded '92 to leave the field *en masse*.† Soon after this we had our semi-annual dinner, at which we all displayed our *dolicho-stomacholic* propensities. We also ran a baseball nine last spring; but, owing to the effective pull of our studies, we were unable to wax anything wondrous strange in that line.

As to this year, one has but to look at any one of us to see depicted upon every lineament of his countenance the proud fact that he is no longer to be numbered with the Freshmen. It is still early in the year for athletics, but we have begun in correct style. Upon the grounds where the Freshman football team met disastrous defeat at our hands, there stands a greased pole, and at its top our flag now waves triumphantly. This is but the beginning, for we shall continue to maintain our flag in its present conspicuous position. We have already gotten deep into the several branches of our will-be professions. Among other things we have learned that a man cannot walk with perfect equilibrium—uniformly in a straight line—unless he be “loaded” in the right place. This was quite “evident” before, but we were unable to demonstrate the theory of it “clearly enough.” “Dutch,” too, has settled upon us like a cloud. However, it is the second best thing for the hic-coughs, and we have gotten along pretty well in spite of considerable er—halting (en) at the beginning.

And the worst of studies that conspire to blind
Man's erring judgment is Descrip, you'll find.

We have, moreover, come to the conclusion that any of the Lyt sisters would be preferable to Anna.

And now, before we bring to a close this epitome of a year's work well done, we are reminded of the little fellows who are now treading the paths that we have trod, slinging the guns that we have tossed, and quaking at the “bulls” of our Pope. In spite of their present diffidence they will, doubtless, come out all right in the end, under the tutoring

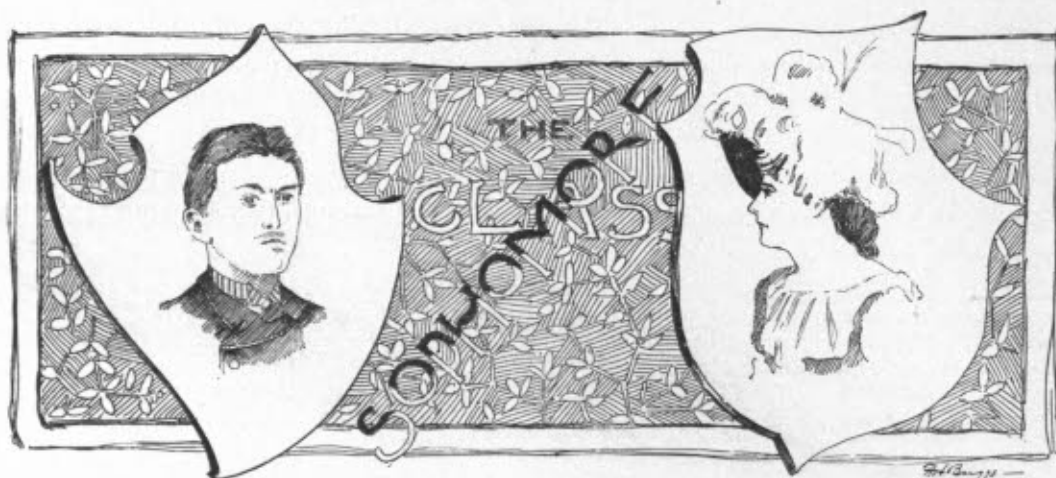
† Again has the historian's regard for truth given way before his desire to write of victories.

TECHNIQUE.

of one or two of our unfortunate ex-classmates, who will give them the benefit of their previous experience in obtaining glowing splinters at the supply room, and in pouring hot sulphuric acid into the sinks. We welcome these Freshmen to the Institute as Sophomores should, with a little good advice. We would suggest that if they wish to gather a few pointers to enable them to emulate—so far as they are able—the glorious career of the most wide-awake and enterprising class that ever honored the Institute, they must needs peruse the teeming pages of '93's history. §

§ This *finale* is a spread-eagle attempt to manufacture fact with the aid of fine writing. We let it go because it is the only chance '93 has had to exhibit herself this year, and we want to show her how she looks in cold type.—EDS.





Course I.

A Star (*) signifies Special Student.

ADAMS, FRANK WILLIAM	Newtonville	Newtonville.
BADGER, FRANK SIDNEY	Wellesley Hills	Wellesley Hills.
BARNES, WILLIAM THOMAS	South Boston	773 Broadway, S. B.
BEATTIE, ROY HAMILTON	Fall River	
BEMIS, ALBERT FARWELL	Colorado Springs, Col.	33 St. James Avenue.
BROWN, CHARLES CUSTER	Waltham	Waltham.
BURKE, JOHN RYAN	East Boston	119 Webster Street, E. B.
CLAPP, WILFRED ATHERTON	South Boston	104 F Street, S. B.
DARROW, COURTLAND ROGERS	New London, Conn.	110 Chandler Street.
EMERY, JAMES ALBERT	Taunton	Taunton.
FAY, FREDERIC HAROLD	Marlboro	76 Chandler Street.
HOUCK, WILLIAM GABRIEL	Buffalo, N. Y.	18 Durham Street.
HOWE, JOSIAH WILDER	New Haven	76 Chandler Street.
*HUNT, WILLIAM FRANCIS	Weymouth Depot	West Weymouth Depot.
*JOHNSON, CHARLES HERBERT	Jamaica Plain	494 Center Street, J. P.
KNOWLTON, WILLIS TAYLOR	Malden	Malden.
LYNCH, PATRICK MAURICE	Holyoke	85 Chandler Street.
MORRILL, HARLEY WINSLOW	Neponset	2 High Street, N.
MORSE, CHARLES FRANCIS	Milford, N. H.	41 Union Park.
NOBLE, WALTER EDWIN	Newton Centre	Newton Centre.
PARKS, OREN ELISHA	Westfield	1 Yarmouth Street.
PATCH, WALTER WOODBURY	Roxbury	18 Savin Street, R.
*PEABODY, WILLIAM WELCOME	Gilead, Me.	35 Rutland Square,

TECHNIQUE.

SKINNER, FENWICK FENTON	Boston	2849 Washington Street.
SMITH, FREDERICK DEXTER	South Framingham . . .	South Framingham.
SPOFFORD, CHARLES MILTON	Georgetown	Georgetown.
*STEBBINS, ELWYN WILFRED	Boston	58 Chester Square.
STOSE, GEORGE WILLIS	Chicago, Ill.	115 Pembroke Street.
SWANTON, WALTER IRVING	Gardiner, Me.	45 Milford Street.
*SWEET, KILBURN SMITH	Kenduskeag, Me.	57 Chandler Street.
WALDRON, SAMUEL PAYSON	Coos, N. H.	Somerville.
WALKER, GEORGE LOUNSBURY, B. S.	New York, N. Y.	48 Union Park.
*WHITING, WALTER SHERMAN	Cambridge	Cambridge.

Course II.

ALDEN, HERBERT WATSON	Peoria, Ill.	44 Chandler Street.
*ASHTON, FRANKLIN GEORGE	Somerville	Somerville.
BAKER, FREDERIC WALLACE	Newton	Newton.
BARBOUR, MINARD TOWNSEND	Chicago, Ill.	402 Columbus Avenue.
BARSTOW, GEORGE EDWARD	Lynn	Lynn.
*BELDEN, RICHARD EDWIN	New London, Conn. . . .	35 Union Park.
BLAKE, EDMUND ENOS	Newton	Newton.
BREED, STEPHEN ALEC	Lynn	204 Dartmouth Street.
*BROOKS, WARREN EVERETT	Boston	Hotel Flower.
*CADWELL, WILLIAM HARRY	Nashua, N. H.	295 Columbus Avenue.
*CALKINS, LEIGHTON, A. B.	Newton	Newton.
CARNEY, EDWARD BULLARD	Lowell	Lowell.
*CARNEY, GEORGE SYDNEY	Lowell	Lowell.
CRAIGHILL, NATHANIEL RUTHERFORD	Charlestown, W. Va. . . .	217 West Canton Street.
*CROSBY, WILLIAM WYMAN	Woburn	Woburn.
*DAWES, HERBERT NATHAN	Chelsea	Chelsea.
DAY, PHILIP BALDWIN	Charlestown	Navy Yard, C.
*DUNCAN, ROBERT JONES	Englewood, N. J.	162 Huntington Avenue.
*FAIRFIELD, EDMUND JOHN	Hartford, Conn.	
*GARDNER, JOHN HOWLAND	New London, Conn. . . .	4 Union Park.
*GLIDDEN, GEORGE BLANCHARD	Roxbury	23 Greenville Street, R.
GORHAM, MARVINE	Buffalo, N. Y.	6 Louisburg Square.
*GODCHAUX, JULES	New Orleans, La.	162 Huntington Avenue.
GUPPY, GEORGE	Jamaica Plain	12 Myrtle Street, J. P.
HAGAR, EDWARD MCKIM	Chicago, Ill.	14 Harris Avenue, J. P.
HAHN, WILLIAM IRWIN	East Boston	35 Chelsea Street, E. B.
*HAWES, GEORGE MASON	Fall River	356 Columbus Avenue.
*HAWKINS, WILLIAM ROBERT	Steubenville, Ohio	

TECHNIQUE.

*HEYWOOD, CHARLES DAVIS	Holyoke	144 West Newton Street.
*HOUGHTON, HERBERT ALLEN	Hudson	243 West Canton Street.
JONES, STEPHEN EDWARD, JR.	Louisville, Ky.	148 Chandler Street.
KENDALL, ALBERT LINCOLN	Framingham	Framingham.
KENISON, ERVIN	Chelsea	Chelsea.
*KEYES, FREDERICK HALE	Newtonville	Newtonville.
KIMBALL, EDWARD RICHARD, JR.	Roxbury	2 Lewis Park, R.
LANE, GEORGE H. THOMAS	Cincinnati, Ohio	2 Commonwealth Ave.
LATHAM, HARRY MILTON	Stoneham	Stoneham.
LOGAN, JOHN WOOD	Bala, Penn.	33 Yarmouth Street.
*MITCHELL, GEORGE MACKENZIE	New Glasgow, N. S.	27 Holyoke Street.
MOODY, ARTHUR MONROE	Newburyport	Newburyport.
MOORE, ARTHUR LEWIS	Warren	163 West Chester Park.
PAGE, WILLIAM BREWSTER	Fitchburg	129 Dartmouth Street.
*PAINE, CECIL E.	Portland, Me.	57 Chandler Street.
*PALMER, ALDEN ROBBINS	Wellington, Ohio	41 West Newton Street.
PARCE, JOSEPH YALE, JR.	De Land, Fla.	91 Waltham Street.
PARMLY, DALTON	Oceanic, N. Y.	
*PEASE, EDWARD GARDNER	Dayton, Ohio	2 Commonwealth Ave.
PHILLIPS, HARRY MILO	Keokuk, Iowa	148 Chandler Street.
REYNOLDS, ROBERT DUNCAN	Jamaica Plain	45 Orchard Street, J. P.
RICHARDSON, FRANK DOUGLAS	Oak Park, Ill.	14 Harris Avenue, J. P.
RICHMOND, HAROLD ANTHONY	Providence, R. I.	3 Oxford Terrace.
SHURTLEFF, ARTHUR ASAHIEL	Boston	9 West Cedar Street.
SPEER, JAMES RAMSEY	Pittsburg, Penn.	15 St. James Avenue.
*STANWOOD, HERBERT WINTHROP	Brookline	Brookline.
TAYLOR, CHARLES MALCOLM	Chelsea	Chelsea.
TOMFOHRDE, JOHN FREDERIC	Charlestown	24 Mt. Vernon Street, C.
TOWNE, FREDERICK TALLMADGE	Stamford, Conn.	6 Louisburg Square.
TUCKER, WILLIAM ALFRED	Roxbury	55 Waverley Street.
*WADSWORTH, JAMES STEVENSON	Malden	Malden.
*WALKER, AMASA	North Brookfield	16 Durham Street.
*WARREN, FREDERICK IVES	Bay City, Mich.	
WILSON, HARRY COLBY	Nahant	
WINGATE, EDWARD LAWRENCE	Malden	Malden.
WOODS, HENRY TYLER	Somerville	Somerville.

Course III.

ALBEE, ORTON WHEELOCK	Marlboro	Marlboro.
ANTHONY, JOHN GOULD	Cincinnati, Ohio	20 Union Park.

TECHNIQUE.

BOYD, JAMES CHURCHILL	Jamaica Plain	Pond Street, J. P.
BROCKUNIER, SAMUEL HUGH	Wheeling, W. Va.	58 Chester Square.
*DANIELL, JOSHUA, S. B.	Opechee, Mich.	302 Columbus Avenue.
DEMOND, CHARLES DENNY	East Boston	166 Webster Street, E. B.
JACKSON, OLIVER HOWARD	Fall River	28 Berwick Park.
KING, GEORGE ILGENFRITZ	York, Penn.	15 St. James Avenue.
MOORE, GEORGE	Fond du Lac, Wis.	58 Chester Square.
PAGE, EDWARD SAMUEL	Melrose	Melrose.
SOLEY, WM. ALEXANDER	Chelsea	Chelsea.
*STEVENSON, JOHN ROBERT	Lima, Peru	6 Rutland Square.

Course IV.

*ANDREWS, GEORGE WILLIAM	Cleveland, Ohio	Auburndale.
BARROWS, IRVING MCFARLAND	Fair Haven	20 Union Park.
*BARTLETT, JOSEPH GARDNER	Boston	Sutherland Road, C. H.
BISCOE, MAURICE BIGELOW	Westboro	20 Union Park.
*BROWN, FRANK ELWOOD	Amherst	
*BURTT, ARTHUR MORTON	Lowell	Lowell.
COX, FREDERICK EDWARD	St. Louis, Mo.	18 Durham Street.
DAVIS, WILLIAM E., JR.	Englewood, Ill.	58 Chester Square.
*DENNETT, JAMES VAUGHAN	Saco, Me.	58 Chester Square.
*DRAPER, CHARLES WARDWELL	Helena, Mont.	
*DUFORT, JOSEPH CAJETAN	Montreal, P. Q.	46 Union Park.
*EVANS, WILLIAM EUGENE	Jamaica Plain	South Street, J. P.
*FENNER, BURT E.	Rochester, N. Y.	290 Columbus Avenue.
*FITTS, FREDERIC WHITNEY	Somerville	Somerville.
*GARLICH, CHARLES FREDERICK	Washington, D. C.	87 Appleton Sreet.
*GARSTANG, CHARLES E.	Davenport, Iowa	234 West Canton Street.
*GILCHRIST, CLARENCE DIRE	Evansville, Ind.	14 Chester Park.
*GRAVES, WILLIAM HAGERMAN, B. L.	Milwaukee, Wis.	Cambridge.
*HASKELL, SAMUEL STEVENS	St. Paul, Minn.	Newton Centre.
*HIGHT, FRANCIS WILLIAM	Portland, Me.	457 Cambridge Street, A.
*HILL, JOSEPH BRIGGS, JR.	Great Neck, N. Y.	202 West Chester Park.
HILL, WILLIAM REED	Milton	Milton.
*HOOPER, GEORGE KENNARD	Dedham	Dedham.
*HUBBARD, GORHAM	Boston	210 Beacon Street.
*HUNT, MYRON HUBBARD	Terre Haute, Ind.	Newtonville.
*LEEDS, EDMUND INGERSOLL	Newton	Newton.
*LORCH, EMIL	Detroit, Mich.	46 Union Park.
*LOTZ, ARTHUR CHARLES	Chicago, Ill.	201 West Newton Street.

TECHNIQUE.

*LOW, FREDERICK FRIEND	Gloucester	16 Bulfinch Street.
*MCKENZIE, DONALD NEIL	Galveston, Tex.	218 W. Springfield Street.
*MESERVE, RICHARD EARLE	Dover, N. H.	708 Tremont Street.
MEYER, GUSTAV JULIUS	Cincinnati, Ohio.	5 Concord Square.
PARKER, EDWIN MASON	West Acton	West Acton.
*PERKINS, GEORGE BATCHELLER	Boston	387 Beacon Street.
*PIKE, GORDON BRAINERD, B. A.	Middletown, Conn.	12 St. James Avenue.
*ROPES, GEORGE HARDY	Topeka, Kan.	86 Chandler Street.
*ROSENHEIM, SAMUEL FAISST	St. Louis, Mo.	135 West Newton Street.
SARGENT, HOWARD RANKIN	Newburyport	Newburyport.
*SHAW, HOWARD VAN DOREN, B. A.	Chicago, Ill.	27 St. James Avenue.
SIMONDS, FREDERIC POND	Salem	Salem.
*SMITH, FRANK LINDLEY	Bangor, Me.	62 Berkeley Street.
*SWIFT, HUMPHREY HATHAWAY, JR.	New York, N. Y.	6 Louisburg Square.
*TRACY, ARTHUR M.	Cambridge	Cambridge.
*TURNER, ALFRED COPELAND	Cambridge	Cambridge.
*TUTTLE, RUEL CROMPTON	Windsor, Conn.	12 Exeter Chambers.
*WASHBURN, CADWALLADER LINCOLN	Minneapolis, Minn.	11 Yarmouth Street.
*WESTCOTT, HARRY MACKMANN	Richmond, Ind.	125 Pinckney Street.
*WHITE, JOHN STAFFORD	Grand Rapids, Mich.	125 Pinckney Street.
*FORSYTH, HERBERT	Lebanon, N. H.	Cambridgeport.
*SAWYER, CHARLES WINTHROP	Dorchester	41 Humphreys Street, D.
*THORNDIKE, HARRY HILL, A. B.	Boston	175 Marlborough Street.

Course V.

*BAXTER, JESSE BUNTON	East Milton	East Milton.
DILLON, FREDERICK NATHAN	Fitchburg	217 West Canton Street.
FORBES, FRED BETTINSON	East Cambridge	East Cambridge.
GAYLORD, WALLACE KENDALL	Wellesley	Wellesley.
HAWLEY, JOHN CHURCH	Malden	Malden.
JACKSON, DANIEL DANA	Lanesville	Newtonville.
JAMES, LAWRENCE STEARNS	East Boston	56 Trenton Street, E. B.
KEITH, SIMEON CURTIS, JR.	East Bridgewater	76 Chandler Street.
PICKERT, LEO WALTER	Boston	10 Greenville Street.
*WADSWORTH, MARY EDNA	Chelsea	Chelsea.
*WILLEY, NETTIE MORTON	Roxbury	1 Bower Park, R.

Course VI.

ABBOT, JOHN CAMERON	Westford	137 Pembroke Street.
ABBOTT, FREDERIC BASSETT	Lynn	Lynn.

TECHNIQUE.

ALLEN, CHARLES VERNON	Holliston	110 Chandler Street.
*ANDREWS, EDMUND LATHROP	Chicago, Ill.	238 Huntington Avenue.
BARTON, HOWARD RITTENHOUSE	Englewood, N. J.	200 Dartmouth Street.
BERRY, HEREFORD	North Andover	North Andover.
BLOOD, GROSVENOR TARBELL	Newburyport	Newburyport.
*BREED, STEPHEN LOVEJOY	Lynn	200 Dartmouth Street.
BROWN, JOHN CLIFFORD	Portland, Me.	33 St. James Avenue.
BROWN, WALTER VAIL	Oldtown, Me.	Hotel Lovejoy.
BUCHANAN, LEONARD BROWN	Woburn	Woburn.
BUCK, ARTHUR AUGUSTINE	Bucksport	Chelsea.
CALLAHAN, DENNIS EDWARD	Boston	329 Federal Street.
CHAPMAN, THOMAS IRVIN	Brookline	Brookline.
CODMAN, JOHN STURGIS, A. B.	Cotuit	57 Marlborough Street.
CUTLER, WILLIAM WORCESTER	Waltham	Waltham.
DATES, HENRY BALDWIN	New Britain, Conn.	5 Concord Square.
DENSMORE, EDWARD DANA	Somerville	Somerville.
DIXON, LAURENCE BELMONT	Chicago, Ill.	165 West Brookline Street.
DOLAN, PETER FRANCIS	East Boston	185 Chelsea Street, E. B.
ELLIS, JOHN	Woonsocket, R. I.	19 Upton Street.
FARWELL, ARTHUR GEORGE	St. Paul, Minn.	19 Union Park.
HADLEY, FREDERIC WALTER	Arlington Heights	Arlington Heights.
HANCHETT, GEORGE TILDEN	Hyde Park	Hyde Park.
*HIRST, PHILIP LESLIE	Huddersfield, Eng.	113 Berkeley Street.
*HOPEWELL, CHARLES FREDERICK	Cambridgeport	Cambridgeport.
*HOYT, CHARLES HENRY	Lynn	Lynn.
*IGLESIAS, EUGENIO THOMAS	San Juan, Porto Rico	483 Shawmut Avenue.
JAMESON, ARTHUR HUGH	Winchester	65 Appleton Street.
*KATO, GODFREY EUZIRO	Kyoto, Japan	89 W. Springfield Street.
KENDALL, FAY BRIGHAM	Roxbury	40 Codman Park, R.
*KIMBALL, HENRY RAYMOND	Lowell	Lowell.
LAMB, WILLIAM FRANKLIN	Roxbury	23 Waumbeck Street, R.
LATEY, HARRY NELSON	St. Louis, Mo.	4 Oxford Terrace.
LORD, FREDERIC WAIT	Boston	8 Mt. Vernon Street.
MAKI, HEIICHIRO	Tōkyō, Japan	28 Montgomery Street.
MORSS, HENRY ADAMS	Boston	323 Marlborough Street.
NOBLIT, JOSEPH CURTIS	Ogontz, Penn.	33 Yarmouth Street.
NORTON, CHARLES LADD	Springfield	11 Milford Street.
PAGE, EDWARD, JR.	Newtonville	Newtonville.
*PECK, WALTER TOUSEY	Boston	Hotel Argyle.
PETTEE, EUGENE EVERETT	Whitman	Whitman.

TECHNIQUE.

PEVEAR, ARTHUR STETSON	Cambridgeport	Cambridgeport.
*PHINNEY, FRANK FERGUSON	Stoughton	132 Boylston Street.
REED, JAMES HENRY, JR.	Boston	3 Gloucester Street.
*RESOR, WILLIAM SETH	Cincinnati, Ohio	121 Beacon Street.
*ROGERS, HOWARD LEWIS	Newton Centre	Newton Centre.
*SHERMAN, LAMPSON PARKER, JR.	Des Moines, Iowa	172 W. Brookline Street.
SOLOMON, JOHN ISAAC	New York, N. Y.	26 Cumberland Street.
SOUTHARD, FRANCIS MARSHALL	Brooklyn, N. Y.	145 West Newton Street.
STOWE, LOVELL BAKER	Caryville	13 Warren Avenue.
SUTTER, FREDERICK CHARLES	Detroit, Mich.	36 Holyoke Street.
TAINTOR, CHARLES	Keene, N. H.	Pond Street, J. P.
TENNEY, WINTHROP PARKER	Dorchester	Pleasant Street, D.
THOMAS, ALFRED CLARENCE	Cincinnati, O.	148 Chandler Street.
THOMAS, PERCY HOLBROOK	Wayland	Wayland.
TRIPP, CHARLES ALBION	Hudson	44 Clarendon Street.
VORCE, WALTER HERBERT	Farmington, Conn.	78 Huntington Avenue.
WASON, RIGBY	Girvan, Scotland	471 Columbus Avenue.
*WHISTON, WILLIAM CORTELYORE	Newtonville	Newtonville.
WHITAKER, SAMUEL EDGAR, A. B.	Portland, Me.	39 Holyoke Street.
WILDER, PARKER HASTINGS	Cincinnati, Ohio	121 Beacon Street.
WOODBIDGE, JONATHAN EDWARDS	Duluth, Minn.	29 St. James Avenue.

Course VII.

BEDDALL, ALBERT RICHARD	Chelsea	Chelsea.
*BLISS, CLARA A.	Newburyport	83 Montgomery Street.
*CARTER, MARION HAMILTON	Philadelphia, Penn.	96 Charles Street.
*GRANGER, CARRIE AMELIA	Roxbury	19 Akron Street.
*LEIGHTON, FLORENCE MARIAN	Portsmouth, N. H.	63 Worcester Street.
*SHURTLEFF, ARTHUR WEBSTER	Lewiston, Me.	88 Appleton Street.
*WADSWORTH, AUGUSTUS BALDWIN	Plainfield, N. J.	249 Berkeley Street.

Course VIII.

*HOLMES, EDWARD JACKSON	Boston	75 Beacon Street.
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Course IX.

BOSS, CHARLES ROYCE	New London, Conn.	14 Arlington Street.
DEARBORN, GEORGE KNIGHT	Dorchester	Harrison Square, D.
FABYAN, FRANCIS WRIGHT	Boston	36 Beacon Street.
SMITH, ARTHUR BLAKELEY	Providence, R. I.	249 Berkeley Street.
WALLIS, ROBERT NORCROSS	Fitchburg	146 Chandler Street.
SAYWARD, WILLIAM HENRY, JR.	Dorchester	69 Monadnock Street, D.

TECHNIQUE.

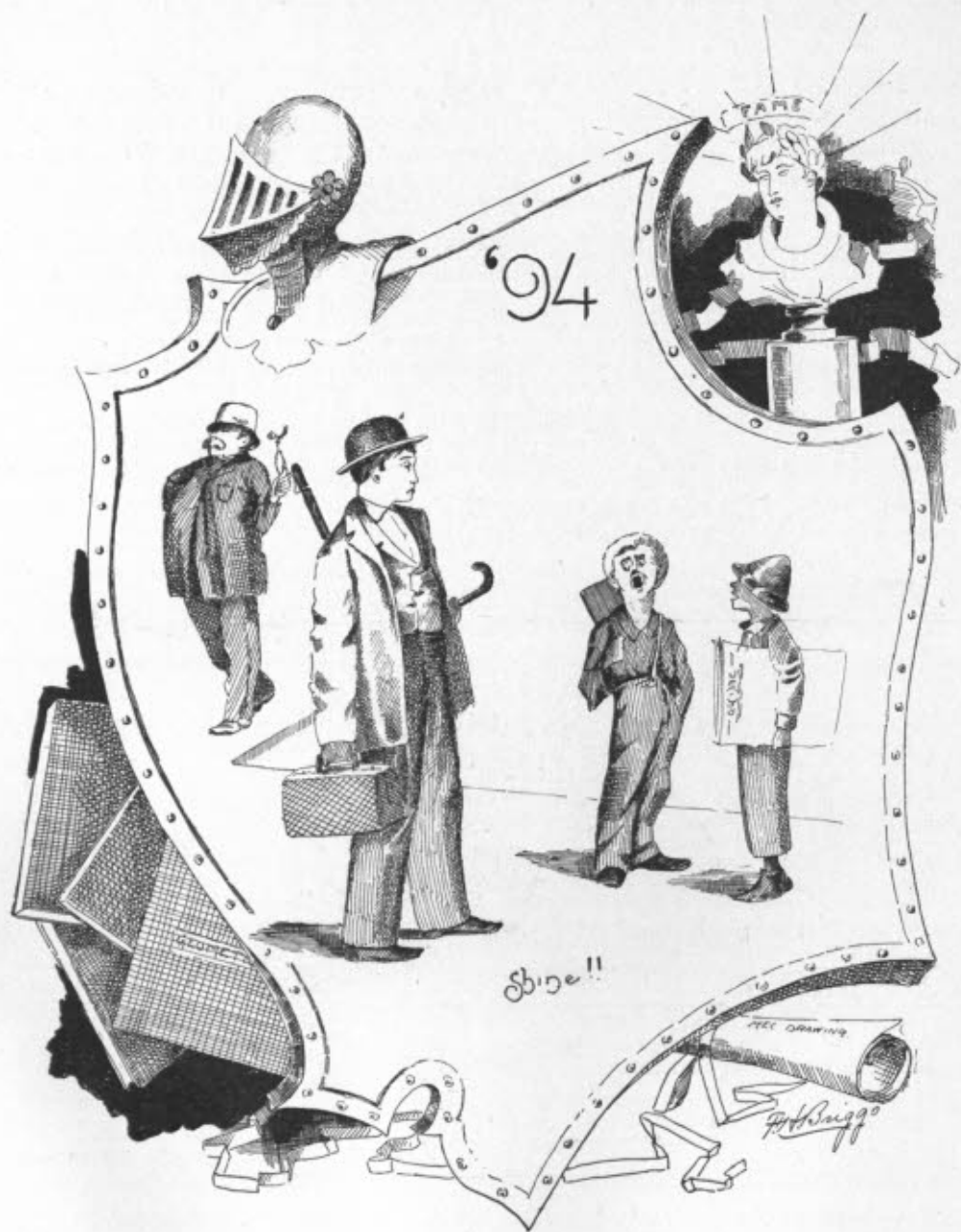
Course X.

CARTER, WILLIAM WOOD	Boston	110 Dartmouth Street.
CLAPP, HARRY LINCOLN	South Boston	18 Atlantic Street, S. B.
*COOK, CHARLES NOURSE	Woonsocket, R. I.	45 Mt. Vernon Street.
DANA, GEORGE FRINK	Cincinnati, Ohio	Hotel Chatham.
DORMAN, THEODORE TAYLOR	Upper Montclair, N. J.	2 St. James Avenue.
FOWLE, ARTHUR EDWIN	Newton Centre	Newton Centre.
HINCKLEY, JOHN FRED	Marlboro	76 Chandler Street.
*MOULTON, ALBERT SWEETSER	Lynn	200 Dartmouth Street.
NOYES, EDMUND HORATIO	Arlington	Arlington.
RICE, HARRY LAWSON	Lawrence	295 Columbus Avenue.

Course XII.

BALLARD, HETTY ORRILLA	Roslindale	152 Brown Avenue, Ros.
NICHOLS, HENRY WINDSOR	Cohasset	4 Bond Street.





Class of '94.

YELL:

GO WALLA, GO WUNK, GO WUNK, GO WUNK!
GO WALLA, GO WUNK, GO WUNK, GO WUNK!
NINETY-FOUR! NINETY-FOUR!
TECH., TECHNOLOGY, NINETY-FOUR!

COLORS: SILVER AND BLUE.

History of '94.



IN the morning of September 27, 1890, in an ancient city in the East, a number of youths with anxious faces might have been seen hastening toward a famous temple, whose massive stone columns loomed up dimly in the fog. Within this temple the Fates held their awful councils, at which they discussed the affairs of men, granting to some the reward of merit, but dooming others to the land of "shades and shadows."

The temple porch was crowded with those who had come there to learn their fate. Each had striven—some, nevertheless, more earnestly than others—to obtain a place in the ranks of a glorious army which was about to set out on its triumphant march.

The Fatal decrees were given at an altar, which was guarded by Sibyls. On giving his name, the inquirer received a casket in which his destiny was written. The faces of some showed that their doom was sealed. It was evident from the relieved expressions of others that they had been accepted.

After the dread ordeal, there was an opportunity to examine the temple more closely. It was, indeed, a place calculated to inspire the most courageous with awe. On one side of the entrance gate was a sombre-looking cage, behind the brazen bars of which hovered a fantastic bird. Broad flights of stairs led up to regions unknown. Each might

picture to himself what those chambers contained. Suddenly all were called back to this world by the tolling of a bell, which sounded uncommonly like the engine bell of a small steamer. Its tone was rather startling, but, as nothing more happened, the crowd grew calm again.

Two days later the temple presented a different appearance. It was no longer silent and gloomy. The sun shone brightly, and the floors re-echoed with the sound of many rushing feet. There seemed to be life everywhere. Even the bird was chirping, and the clanging of the bell sounded less dismal. The soldiers were forming into twelve companies in the plain below. At their head floated the regimental colors, silver and blue, on which was inscribed the number of the regiment, "'94."

About midday, the officers in charge ordered an advance, and soon all started on their long march. For the first few days they met with nothing of importance; but after this, hostile bands began to appear on every side. If at any point in their camp the fortifications did not exactly meet, it was sure to be detected by the eye of the enemy, who used his glass to advantage.

Many were the terrors through which they passed. Several monsters in human form were encountered, who, breathing forth noxious "gas," frizzled two knights and suffocated several others. However, the soldiers usually managed to divide these foes in extreme and mean ratio, and so eliminate them.

One day, as the soldiers were about to hold a council of war, there burst upon them, from dens and holes in the rocks, a band of marauders, marching under a yellow and black flag, itself the emblem of small-pox and death. It was "'a banner with the strange device,' '93." From this it was perceived that they had originally come from that ancient temple which '94 had just left. It might have been supposed that, having passed through the same terrors, they would have some fellow-feeling for our regiment. Not so. With fire flashing from their eyes and hoarse cries of denunciation, they hurled themselves upon '94, who received their onslaught calmly, and proceeded to retaliate. Exhorting each other to "Rush them," '94 charged down the plain, and threw the ranks of '93 into great confusion.

When '94 returned to camp, they proceeded to elect as leader a certain J. C. Stevens, a mighty man of valor; before that time they had had no settled chief. J. W. Tarbox was chosen by the people to be their scribe, that he might record for future generations all the inspired words, which should fall from the lips of their leader.

But when '93 perceived what was being done, they renewed the attack. This time, being borne off the field by '94, they retreated for some distance up the hillside, from

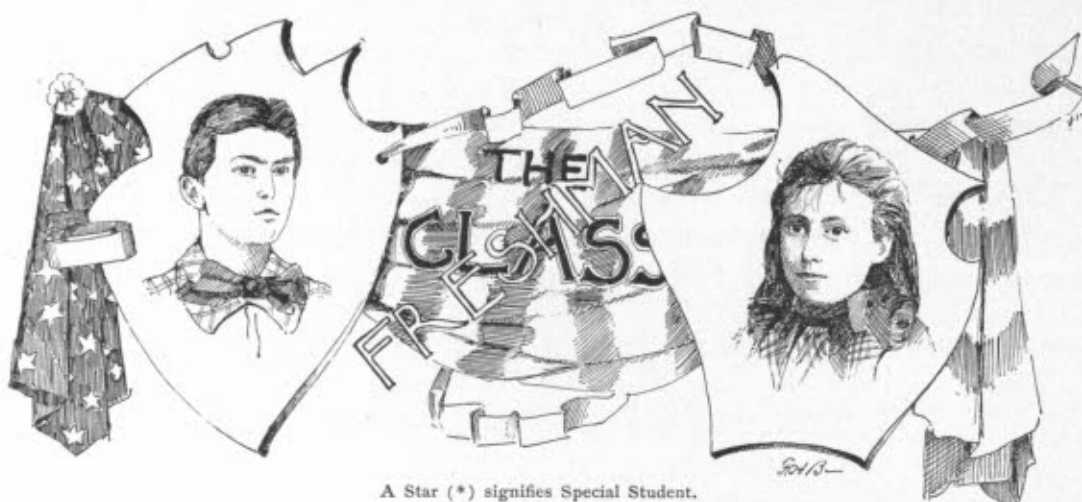
TECHNIQUE.

which they might with safety jeer at their opponents. At this they proved marvelously clever. Thus, for a time, '94 had peace.

Once again did '94 match themselves against the enemy. By means of stratagem, '93 attempted to force an entrance into the camp, but were repulsed with the loss of their baggage. Thus has '94 not lost a battle, but rather has come out of each in triumph.

"Honor, then, ninety-four,
Noble three hundred!"





A Star (*) signifies Special Student.

ABBOT, CHARLES GREELEY	Wilton, N. H.	12 Forest Street, R.
ADAMS, RALEIGH BULLARD	Dorchester	2 Gleason Street, D.
*AIKEN, JOHN	Norwich, Conn.	Dedham.
ALEXANDER, HENRY EDWARD MANSFIELD	Honolulu, H. I.	58 Chester Square.
AMES, AZEL, 3D	Chelsea	159 Shawmut St., Chelsea
ANDERSON, GEORGE HERBERT	Newburyport	Newburyport.
ANDERSON, RICHARD CLOUGH	Cincinnati, Ohio	303 Columbus Avenue.
*ANNANDALE, WILLIAM EDWIN	Dunbar, Scotland	84 Charles Street.
ARMISTEAD, FRANK NOBLE	Portsmouth, Va.	30 Dartmouth Street.
*ARMSTRONG, HERBERT	Detroit, Mich.	36 Holyoke Street.
BAILEY, ROLAND	Kingston	Kingston.
BAKER, FRED CHARLES	Waltham	Waltham.
BALDWIN, HARRY ALEXANDER	Haiku, Maui, H. I.	58 Chester Square.
BARKER, EDGAR HARRISON	Lawrence	21 St. Charles Street.
BARNARD, THEODORE OTIS	Roxbury	11 Lambert Avenue, R.
*BARTLETT, HERBERT WARREN	North Weymouth	North Weymouth.
BATCHELLER, HENRY RENSSAELAER	Charlestown	34 Monument Square, C.
BATES, HARRY REYBURN	Washington, D. C.	36 Temple Street.
BATSON, WALTER VENNARD	Watertown	Watertown.
BEACH, CHARLES BURR	Dubuque, Iowa	71 Rutland Street.
BEACH, IRVING EVERETT	Lawrence	134 Huntington Avenue.
BEARDSSELL, GEORGE RICHARDSON, JR.	Hudson, Mich.	Lynn.
BENEDICT, VALLETTE LYMAN	Boston	150 Huntington Avenue.
BENNETT, ROBERT MAGILL	Cincinnati, Ohio	308 Columbus Avenue.
BIGELOW, FREDERICK SOUTHGATE	Boston	334 Shawmut Avenue.
BINNEY, JAMES ALFRED	Roxbury	153 Highland Street, R.
BLAKE, SAMUEL HENRY	Whitman	Whitman.

TECHNIQUE.

BLAKE, WILLIAM GAINES	New Orleans, La.	157 Boylston Street.
BLANC, SAMUEL PETERS	New Orleans, La.	Cambridge.
BLISS, WALTER DANFORTH	Carson City, Nev.	518 Columbus Avenue.
BLUME, CARLOS ALBERTO	Lima, Peru	2 Commonwealth Ave.
BONESTEELE, FRANK P.	Rochester, N. Y.	39 Falmouth Street.
BOVEY, WILLIAM HOWARD	Minneapolis, Minn.	383 Columbus Avenue.
BOWERS, CHARLES EDWIN	Buenos Ayres, Arg. Rep.,	12 St. James Avenue.
BOWLES, CHARLES WILSON	Ponkapog	Ponkapog.
BROWN, HARRY ALBERTUS	Salmon Falls, N. H.	314 Shawmut Avenue.
*BUGBEE, LUCIAN WILLIS	Southbridge	533 Columbus Avenue.
BURNHAM, FREDERIC HENRY	Ottumwa, Iowa	324 Shawmut Avenue.
BURROWS, WILLIAM RUSSELL	Lynn	Lynn.
CAMPBELL, JAMES FAIRMAN	Bayside, N. Y.	22 Yarmouth Street.
CARLTON, JESSE CLYDE	Atlanta, Ga.	U. S. Hotel.
CARTER, PHILIP GREENLEAF	New York, N. Y.	295 Columbus Avenue.
CASE, WINTHROP TRACY	Canton Center, Conn.	58 Pinckney Street.
CHACE, MASON SMITH	Dorchester	31 Wales Street, D.
CHAPMAN, JOHN WINSLOW, JR.	Hyannis	65 Chandler Street.
CHAPMAN, NATHAN COLEMAN WINSLOW	Hyannis	65 Chandler Street.
CHASE, HAROLD MAYSON	Lowell	58 Clarendon Street.
CHENEY, NATHAN	Boston	136 Chandler Street.
CHICKERING, ARTHUR PERCY	North Andover Depot	North Andover Depot.
*CHURCHILL, WESLEY BRAINARD	Somerville	Somerville.
CLAFLIN, ALAN AVERY	Quincy	19 Chester Park.
*CLARK, ARTHUR HENRY	Cedar Rapids, Iowa	214 Columbus Avenue.
CLARK, WILLIAM LEWIS	Arlington	Arlington.
CLARKE, EDWARD DUTTON	Buffalo, N. Y.	The Huntington.
*CLARKE, JOHN CHARLES	Manchester	Manchester.
CLARKE, FRED HAMILTON	Jamestown, R. I.	132 Huntington Avenue.
CLEMENT, ARTHUR AUSTIN	Chicago, Ill.	89 Charles Street.
COLES, WALTER SMITH	Cincinnati, Ohio	11 St. James Avenue.
COLMAN, FREDERICK WILLIAM	North Andover Depot	North Andover Depot.
*CONANT, CHARLES LEONARD	Auburn, Me.	57 Hancock Street.
COOK, FRANK REMICK	Detroit, Mich.	Woburn.
COOLIDGE, PRESCOTT HILTON	South Framingham	South Framingham.
COPELAND, HENRY FILLMORE	Brooklyn, N. Y.	4 St. James Avenue.
COUCH, OSCAR ROBERTS	Pittsfield	373 Columbus Avenue.
COUSINS, STERLING GREEN	Fortuna, Cal.	307 Columbus Avenue.
COWLES, JOHN HILL	Gloversville, N. Y.	190 West Canton Street.
CRARY, HORACE ALLEN	Sheffield, Penn.	112 Dartmouth Street.
CROMWELL, MARTIN JOHN	Baltimore, Md.	78 Huntington Avenue.

TECHNIQUE.

CROSSEN, FRED JOHN	Cobourg, Ont.	145 West Newton Street.
CUTLER, CHARLES HENRY	South Framingham	South Framingham.
CUTTER, LEONARD TAYLOR	Nashua, N. H.	126 Berkeley Street.
DAGGETT, WALTER CROSSWELL	West Somerville	West Somerville.
DALTON, NELSON WAIT	Sandy Hill, N. Y.	Lynn.
DANA, LESLIE	Kirkwood, Mo.	19 St. James Avenue.
DANBAR, ALBERT	Pittsfield	109 Warren Avenue.
DAVIES, THEOPHILUS CLIVE	Southport, England	27 St. James Avenue.
DAVIS, LEON KEITH	West Newton	West Newton.
*DAVIS, CHARLES LARKIN	Milton	Milton.
DEJONGE, ALFRED LOUIS	Stapleton, N. Y.	73 Cedar Street, R.
DENNIS, CHESTER WARNER	Lynn	Lynn.
DICKEY, CHARLES WILLIAM	Haiku, Maui, H. I.	58 Chester Sq.
DOUGHTY, STEWART BROWN	Englewood, N. J.	192 Dartmouth St.
*DOW, FLORENCE	Exeter, N. H.	312 Columbus Avenue.
DRAKE, ALBERT WESLEY	North Cambridge	North Cambridge.
DUCKWORTH, HARRY STAFFORD	Lowell	Lowell.
DUMARESQ, PHILIP	Brookline	Brookline.
DU PONT, HENRY BELIN	Philadelphia, Penn.	226 West Canton Street.
DYER, JOHN, JR.	Chicago, Ill.	Brookline.
EATON, EVERETT LAWRENCE	Needham	Needham.
EDWARDS, ARIEL BALLOU	Woonsocket	164 Huntington Avenue.
EDWARDS, HENRY EMMER	Washington C. H., Ohio	22 Yarmouth Street.
*ESTEY, JULIUS GRAY	Brattleboro, Vt.	Hotel Huntington.
FARNSWORTH, ARTHUR JAY	Minneapolis, Minn.	383 Columbus Avenue.
FERGUSON, JOHN NEIL	Readville	Readville.
FLINT, RICHARD HALL	San Juan, Cal.	14 Arlington Street.
FOSTER, HAROLD ABBOTT	North Brookfield	307 Columbus Avenue.
FOWLE, FREDERICK EUGENE, JR.	Arlington	Arlington.
GALLUP, HATTIE TOOKER	Ledyard, Conn.	127 Charles Street.
GARDNER, HARRY WENTWORTH	Roxbury	8 Hotel Dale, R.
GARDNER, HENRY	Salem	Salem.
GILBERT, PERLEY FRED	Andover	Andover.
GILKEY, ROYAL WALDO	Watertown	Watertown.
GILMORE, FRANKLIN CHESTER	Lynn	Lynn.
GILPIN, CHARLES EDWARD	Washington, D. C.	12 St. James Avenue.
GOUGH, JOHN B.	Providence, R. I.	277 Columbus Avenue.
*GRABAN, AMADENS WILLIAM	Buffalo, N. Y.	87 Appleton Street.
GREEN, FRANCIS CUSHING	Boston	117 Marlborough Street.
*GREENE, FRANK	Cedar Rapids, Iowa	214 Columbus Avenue.
GREENLEAF, LEWIS STONE	Lenox	67 Elm Street, J. P.

TECHNIQUE.

HABBERLEY, ALBERT NATHANIEL	Hyde Park	Hyde Park.
HALL, SARAH ABBIE	Roxbury	Hotel Adelphi, R.
HAMBLET, CLEMENT ARTHUR	Lowell	Lowell.
HARDING, HARRY BREWER	Boston	5 Worcester Square.
HARRING, GEORGE WILLIAM	West Roxbury	Spring Street, W. R.
HARRISON, BURT SYLVANUS	La Crosse, Wis.	49 Revere Street.
HARWOOD, FREDERICK WILLIAM, JR.	Springfield	11 Milford Street.
HASTINGS, HARRY PAYSON	South Framingham	South Framingham.
*HAVEN, GEORGE BARTHOLOMEW	Sangerfield, N. Y.	162 West Springfield St.
HAZELTON, ISAAC BREWSTER	Wellesley Hills	Wellesley Hills.
HICKEY, WILLIAM JAMES	Boston	175 Chambers Street.
HILL, WILLIAM GILBERT, JR.	Malden	Malden.
HOLDEN, AMASA AMIDON	Malden	Malden.
HOLDEN, BEN EDWIN	Aurora, Ill.	101 Pinckney Street.
HOLDEN, FRANK HOWELL	Aurora, Ill.	101 Pinckney Street.
HOLDER, JESSE MORGAN	Lynn	Lynn.
HOLLISTER, JOHN JAMES	Santa Barbara, Cal.	517 Columbus Avenue.
HORTON, THEODORE	Newport, R. I.	73 Pinckney Street.
HOWES, CLIFTON ARMSTRONG	Cambridgeport	Cambridgeport.
HUBBARD, CHARLES BELA	Lyndon, Vt.	9 Rutland Square.
HUNT, ALBERT FRANCIS, JR.	Newburyport	Newburyport.
*HUGHES, EDWARD SENECA	Cincinnati, Ohio	3 Webster Street, A.
*HUNGERFORD, JARVIS WARREN	Chester, Conn.	67 Chandler Street.
*HUNT, EDWARD MARSHALL	Portland, Me.	12 Falcon Street, E. B.
HYLER, WILLIAM BOWDOIN	Thomaston, Me.	2 Commonwealth Ave.
JANVRIN, NED HERBERT	Somerville	Somerville.
JANVRIN, WALTER ADAMS	Revere	Revere.
JENCKES, EARL STANTON	Woonsocket, R. I.	16 Upton Street.
JENNEY, WARREN	Brookline	Brookline.
JOHNSON, HENRY HERBERT	Lawrence, Kan.	Dedham.
JOHNSON, WILLIAM ARTHUR	Jamestown, R. I.	27 Buckingham Street.
JOHNSTON, MORRIS LEIDY	Chicago, Ill.	11 St. James Avenue.
*JONES, JOHN WILLIAM	Needham	Needham.
*JONES, MILTON FRANK	Natick	Natick.
KIMBALL, JOSEPH HARRIS	Newburyport	Newburyport.
KIMBERLY, JAMES CHENEY	Neenah, Wis.	120 Appleton Street.
KING, WILLIAM HERBERT	Melrose	60 Second Street.
KIRK, ROBERT HORNER	St. Paul, Minn.	19 Union Park.
KITTREDGE, JOHN WOODMAN	Alnwick, Col.	39 Milford Street.
KNAPP, CHARLES REAY	Louisville, Ky.	120 Appleton Street.
KUKI, MARU TAKATERU	Kobe, Japan	43 Union Park.

TECHNIQUE.

LABOUISSIE, JOHN PETER	New Orleans, La.	157 Boylston Street.
LACOUNT, HENRY OSGOOD	West Somerville	West Somerville.
*LANIGAN, JAMES FRANCIS, JR.	Lawrence	Lawrence.
LA MOTTE, ARTHUR	Wilmington, Del.	138 Chandler Street.
LANDAUER, HARRY	Milwaukee, Wis.	295 Columbus Avenue.
LANE, LUCIUS PAGE	Boston	623 Tremont Street.
LEIPER, GEORGE NEVILLE	Philadelphia, Penn.	327 Columbus Avenue.
LEONARD, FREDERICK MEEHAM	Jamaica Plain	165 Green Street, J. P.
*LITTLEFIELD, JAMES DRAKE	So. Newmarket Junc. N. H.	Parker Hill Avenue, R.
LOCKE, JOHN CALVIN	Lockeford, Cal.	298 Columbus Avenue.
LOCKWOOD, CHARLES EASTMAN	Boston	16 Milk Street.
LORING, ROBERT	South Boston	789 Broadway, S. B.
LOVEJOY, FRANK WILLIAM	Boston	Hotel Gladstone.
LUCIA, DANIEL BALDWIN	Montpelier, Vt.	33 Yarmouth Street.
LYNCH, ALBERT JOHNSON	Jamaica Plain	Alden Place, J. P.
MACCLURE, COLBERT ANDERSON	Delphi, Ind.	Hyde Park.
MACKAY, ANGUS ROBERT	Montreal, P. Q.	198 Beacon Street.
MAHONY, MARION LUCY	Chicago, Ill	Cambridge.
MARVELL, EDWARD IRA	Fall River	47 Rutland Square.
MAXWELL, FRANK FLAGG	Fernandina, Fla.	Arlington.
MCCABE, JAMES	Charleston, S. C.	Stanley Street, D.
MCCULLOUGH, HARRIE BRUCE	Cincinnati, Ohio	2 Commonwealth Avenue
MCJENNETT, WILLIAM DARGON	Norwich, Conn.	Cambridge.
McKIBBEN, FRANK POPE	Van Buren, Ark.	57 Chandler Street.
McLAYEN, GEORGE SAUNDERS	Milwaukee, Wis.	148 Warren Avenue.
*McNEAR, MARY ISABELLA	Everett	Everett.
MEADE, CHARLES ARTHUR	Millerton, N. Y.	57 Chandler Street.
MELLUISH, JAMES GEORGE	Bloomington, Ill.	200 Dartmouth Street.
MINK, EDWARD	West Somerville	West Somerville.
MOORE, LESLIE ROGERS	Newton	Newton.
MORISON, NATHANIEL HOLMES, JR.	Ilchester, Md.	46 Chestnut Street.
*MOTT-SMITH, HAROLD MEADE	Boston	101 Newbury Street.
MOULTON, RAYMOND EDWARD	Paris, France	136 Boylston Street.
MOWER, GEORGE LANE	Lynn	Lynn.
MURKLAND, FRANK HATCH	New Bedford	56 Clarendon Street.
NAGLE, GEORGE HENRY	Boston	13 Cortes Street.
*NAST, LUTHER ROBERTS	Ridgefield, Conn.	89 Appleton Street.
NEWHOUSE, HENRY LEOPOLD	Chicago, Ill.	7 Holyoke Street.
NEWMAN, ARTHUR BRANTLEY	Shreveport, La.	195 Chestnut Ave., J. P.
NICHOLS, GEORGE ABRAHAM	Fitchburg	146 Chandler Street.
NICHOLS, WALTER BANCROFT	Reading	Reading.

TECHNIQUE.

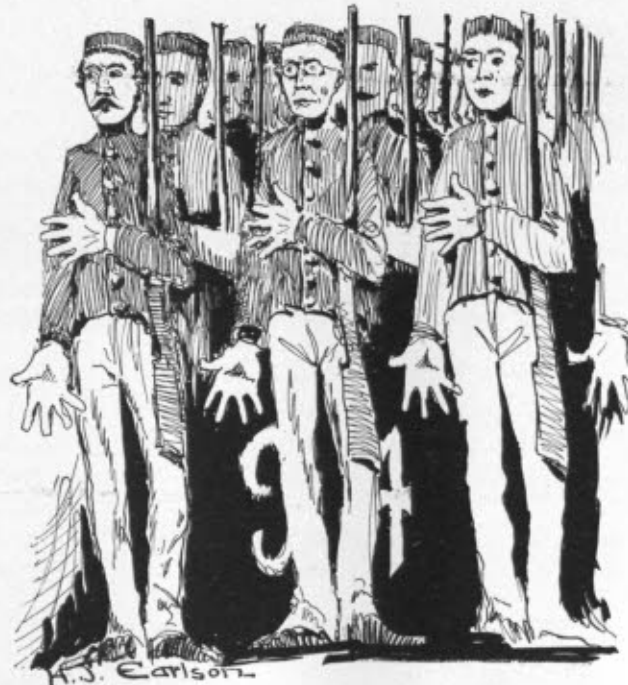
NOWELL, JOHN CHASE	Reading	Reading.
OBER, RALPH HADLOCK	Beverly	24 Milford Street.
*OKADA, HEITA	Tôkyô, Japan	39 Dwight Street.
*OSGOOD, CHARLES GERRISH	Belmont	Belmont.
OWEN, GEORGE, 3D	Providence, R. I.	80 Pinckney Street.
PARKER, HORATIO NEWTON	Cambridge	54 Concord Ave. Camb.
PARKER, WINTHROP DANA	Reading	Reading.
PATRICK, ARTHUR LOOMIS	West Newton	West Newton.
*PATTERSON, WILLIAM EDMUND	Baltimore, Md.	15 St. James Avenue.
PECHIN, JOHN SHELLEY	Cleveland, Ohio	200 Dartmouth Street.
PEET, WILLIAM CREIGHTON	New Orleans, La.	2 St. James Avenue.
PERRY, PHILIP EDWARD	Jamaica Plain	10 Gordon Street, J. P.
PHELAN, JOSEPH WARREN	East Boston	63 Lexington Street, E.B.
PIKE, ALEXANDER REA	Brookline	Brookline.
PIPER, WALTER ELBRIDGE	Hyde Park	Hyde Park.
PIPER, WILLIAM BENJAMIN	Dorchester	2 Winter Street, D.
POLLOCK, CLARENCE DUBOIS	Washington, D. C.	73 Montgomery Street.
*PORTER, LEE	Calais, Me.	31 Dartmouth Street.
PRATT, WALLACE WILLIAM	Hingham Centre	Hingham Centre.
PRATT, WILLIAM HEMMENWAY	Waltham	Waltham.
*PRESCOTT, ALICE BEARDSLEY	Jamaica Plain	123 Pond Street, J. P.
PRESCOTT, SAMUEL CATE	South Hampton, N. H.	Cambridge.
PRICE, RAYMOND BEACH	Boston	Hotel Flower.
PROCTOR, RICHARD WARREN	Billerica	Billerica.
RANDALL, ALBERT WINSLOW	Waltham	Waltham.
RANDALL, EDWARD BRYANT	Medford	34 Hancock Street.
RAY, GANO	Cincinnati, Ohio	
REED, SAMUEL GORDON	Rockland	Rockland.
REED, WALTER WILSON	Waltham	Waltham.
REYNOLDS, HOWARD SIDNEY	Randolph	
RICHARDS, DANIEL W., JR.	Needham	Needham.
RICHARDS, RUSSELL ALMON	Newton Highlands	Newton Highlands.
RICHARDS, THOMAS GLEASON	Roxbury	36 Lambert Street, R.
RIPLEY, HENRY FRANCIS	Hingham Centre	Hingham Centre.
ROBB, AUBREY GRANGER	Amherst, N. S.	
ROBBINS, FRANKLIN HENRY	Kingston	Kingston.
*ROBESON, ANTHONY MAURICE	Belvidere, N. J.	Cambridgeport.
ROGERS, ARTHUR SILAS	Salem	Salem.
ROGERS, JOHN ARTHUR	Bruna Park, Ill.	
ROLLINS, GEORGE OSCAR	North Brookfield	111 Pembroke Street.
ROSS, DONALD WILLIAM	Montreal, P. Q.	544 Columbus Avenue.

TECHNIQUE.

RUDDICK, JESSE HICKS	Boston	195 Huntington Avenue.
RUSSELL, HARRY BROWNING	Brockton	Brockton.
SANDERSON, NATHAN HERBERT	Waltham	Waltham.
SARGENT, CHARLES GRANDISON	Westford	137 Pembroke Street.
SAVAGE, SILAS ANTHONY	Chelsea	Chelsea.
SAWYER, ALBERT HAYDN	Newburyport	Newburyport.
SCHIERTZ, FERDINAND	Auburndale	Auburndale.
*SCHNEIDER, EDWIN EMIL	Covington, Ky.	Auburndale.
SCOTT, WALTER OSGOOD	Providence, R. I.	28 Cortes Street.
SHEPPARD, ROBERT KIMBALL	Newton	56 Arlington St., Newton.
SHERMAN, GEORGE WILMARTH	Fall River	1 Yarmouth Street.
SHULZE, GEORGE EMORY	Kendallville, Ind.	195 W. Springfield Street.
*SICHEL, MAURICE	New York	24 Greenwich Park.
*SMITH, HARRISON WILLARD	Dorchester	40 Mill Street, D.
SOUTHER, JOHN KERFOOT	Fredericksburg, Va.	19 Upton Street.
SPALDING, WILLARD FLOYD	Lynn	502 Columbus Avenue.
SPERRY, AUSTIN	San Francisco, Cal.	150 Chandler Street.
STARBIRD, HARRY COOLIDGE	Malden	Malden.
*STEARNE, FRANK ABBOTT	Brookline	Brookline.
STEARNS, FRED L.	Hopkinton	South Framingham.
STEVENS, JOHN CONYNGHAM	Philadelphia	95 Mt. Vernon Street.
STORK, WILLIAM BOTELER	Andover	41 Union Park.
STORY, JOHN PATTEN, JR.	Washington, D. C.	46 Chestnut Street.
STRATTON, GEORGE EBER	Shelburne Falls	Brookline.
STURGIS, RUSSELL, 2D	New York, N. Y.	15 St. James Avenue.
SWANTON, HENRY AIKEN	Gardiner, Me.	45 Milford Street.
TABER, GEORGE AYMAR	Montrose	Montrose.
TARBOX, JOHN WATSON	Nashville, Tenn.	20 West Cedar Street.
TAYLOR, GEORGE	Brookline	Brookline.
TAYLOR, WILLIAM BELLAMY	Brookline	Brookline.
TENNEY, ALBERT BALL	Everett	Everett.
THOMAS, WILLIAM BACON	Stockton, Cal.	369 Columbus Ave.
THOMSON, SAMUEL FORSYTHE	Charleston, S. C.	Salem.
THORNDIKE, STURGIS HOOPER, A. B.	Cambridge	Cambridge.
THROPP, JOSEPH EARLSTON, JR.	Philadelphia, Penn.	327 Columbus Avenue.
TIDD, ARTHUR WARREN	North Woburn	North Woburn.
*TRUE, ROSS	Augusta, Me.	Allston.
TUFTS, LEONARD	Medford	Medford.
UNRUH, DAVID SPENCER	Arcadia, Cal.	183 Warren Avenue.
VALENTINE, JAMES CLARK	Framingham	Framingham.
VARNEY, FRED LANE	Lynn	502 Columbus Avenue.

TECHNIQUE.

VARNEY, THEODORE	Watertown	Watertown Arsenal.
WADE, JOHN ROSS	Hulton, Penn.	112 Mt. Vernon Street.
WAITE, EDWARD BROUGHTON	West Newton	West Newton.
WARREN, HARRY ELLIS	Newton Centre	Newton Centre.
*WESTCOTT, CHARLES HENRY	Kennebunkport, Me.	45 Upton Street.
*WHEELER, MILTON MERRICK	Winona, Minn.	305 Chestnut Ave., J. P.
WHEELER, ROBERT CHARLES	Temple, N. H.	Concord.
WHEILDON, WILLIAM MAXWELL	Stoneham	425 Beacon Street.
WHITE, HARRY CLINTON	Melrose	Melrose.
WHITING, HOWARD EARL	Cambridge	Cambridge.
WHITNEY, HARRY HAYDEN	Brookline	Brookline.
WHITON, CHAUNCEY GILBERT	Hingham Centre	Hingham Centre.
*WHITEMORE, AMY FLORENCE	Concord, N. H.	105 Charles Street.
*WIGGIN, GEORGE OTIS	Santa Fe, Arg. Rep.	
*WILSON, WINSLOW ABBOTT	Dorchester	72 Magnolia Street, D.
WOOD, KENNETH FOSTER	Pawtucket, R. I.	
WRAY, JOHN EDWARD	St. Louis, Mo.	
WRIGHTINGTON, CHARLES NELSON	Brookline	Brookline.
YOERG, HENRY	St. Paul, Minn.	112 Pembroke Street.
*YOUNG, JOHN MANSFIELD	Madison, N. J.	202 Dartmouth Street.
ZENTGRAF, OTTO LOUIS	Stapleton, N. Y.	73 Cedar Street, R.



LOWELL SCHOOL



.. — OF — ..



PRACTICAL DESIGN



ALLEN, CONSTANCE EUGENIA	Wellesley Hills	Wellesley Hills.
ALLEN, MAUD AUGUSTA	Roxbury	4 Grosvenor Place, R.
BATTAGLIA, JOSEPHINE VERONICA	Roxbury	22 Centre Street, R.
BATTAGLIA, ORLANDO FRANK	Roxbury	22 Centre Street, R.
BESSE, ADA VIOLA	Lynn	Lynn.
BIRD, MABEL REBECCA	Dorchester	122 Cottage Street, D.
BROWN, LOUIS HENRY	Leominster	Leominster.
BUSS, CHARLES HOLMES, JR.	Woburn	Woburn.
COBURN, LILLIAN SUSAN	Tyngsboro	North Woburn.
COLE, ISABELLE NEWELL	Newton	Newton.
COVELL, GEORGE ELLIS	Fitchburg	Fitchburg.
CROWLEY, ELIZABETH CECILIA	Friend, Neb.	Winchester.
DANSEREAU, WILLIAM WINFIELD	Marlboro	Marlboro.
DODGE, LUVEIN ELMER	Charles River Village	Charles River Village.
DOWNEY, FRANK J.	Boston	74 Westminster Street.
DWINNELL, NELLIE ELIZABETH	Springfield	30 Worcester Square.
EDWARDS, WILLIAM JOSEPH	Boston	74 East Brookline Street.
FERRY, GRACE ELIZABETH	Milton	Milton.
FORBES, ALICE BELLE	Roxbury	54 School Street, R.
FORD, MYRON PORTER	East Weymouth	East Weymouth.
FRASER, EDNA ANNE	Jamaica Plain	86 Wyman Street, J. P.
FROST, MARY EDITH	Somerville	Somerville.
GILSON, HOWARD AUGUSTUS	Somerville	Somerville.
GRANT, WILLIAM TISDALE	Taunton	Taunton.
HARLOW, MABEL	Bangor, Me.	Medford.
HILL, MARIA LOUISA	Salem	West Somerville.
JENKINS, HELEN CANDACE	Ning-po, China	46 Chester Park.
JEWETT, LUCIA VIRGINIA	Bradford	Bradford.

TECHNIQUE.

LADD, ELIZABETH APPLETON	Needham	Needham.
LILLIE, ALBERT WEBSTER	Chelsea	Chelsea.
LINCOLN, BENJAMIN MORTON	Taunton	Taunton.
LUCE, FRED ALANSON	Haverhill	Haverhill.
LUCE, WILLIAM DARIUS	Haverhill	Haverhill.
LYMAN, MARY WHEELLOCK	Bolton	795 Washington Street.
MCDUFFIE, CHARLES CUMMINGS	Haverhill	Haverhill.
MEANS, HARRY FULLER	South Boston	104½ Dorchester St., S. B.
MEREDITH, CAROLINE AMELIA	Boston	658 Tremont Street.
MILLER, MARY DILL	Dummerston, Vt.	56 Clarendon Street.
MILLIKEN, EMMA CAROLINE	Chelsea	Chelsea.
MITCHELL, GEORGE BERTRAND	East Bridgewater	East Bridgewater.
NICHOLS, EDWARD STANLEY	Charlestown	20 Monument Court, C.
OLSON, ANNIE SMITH	Hingham	Hingham.
PARK, HARRY SEGERS	Stockton Springs, Me.	Waltham.
PARKER, GEORGE PILLSBURY	Jamaica Plain	16 Wyman Street, J. P.
PIERSON, GERTRUDE ELISE	Boston	73 Chester Square.
POOR, SUSAN OSBORN	Salem	Salem.
REICH, ARTHUR LOUIS	Zanesville, Ohio	54 Chandler Street.
ROGERS, KATE LINCOLN	Kanai, H. I.	4 Brookline Avenue, R.
SARGENT, FREDERICK AMASA	Wyoming	Wyoming.
SHAW, ELLA LOUISE	Portland, Me.	36 Holyoke Street.
STETSON, ADA FRANCES	Charlestown	55 High Street, C.
SWAN, WALTER B.	Boston	79 Worcester Street.
TAPLIN, WILLIAM HENRY	East Somerville	East Somerville.
WHITE, STANDISH GUNN	Roxbury	34 Highland Street, R.
WIKSELL, JULIA THERESE	Dorchester	98 Savin Hill Avenue, D.
WILBER, HERBERT T.	South Boston	426 West Fourth St., S. B.
WILLIAMS, HERBERT DE LAND	Newton Centre	Newton Centre.
WOODS, REUBEN EDWARD	South Boston	876 Fourth Street, S. B.

Summary of the School of Industrial Science.

BY COURSES.

	SENIOR.		JUNIOR.		SOPHOMORE.		REGULARS, SPECIALS.		TOTAL.
	R.	S.	R.	S.	R.	S.			
COURSE I.	25	8	29	15	27	6	81	29	110
" II.	30	5	28	17	38	26	96	48	144
" III.	4	1	6	3	10	2	20	6	26
" IV.	6	4	14	27	9	42	29	73	102
" V.	10	3	6	7	8	3	24	13	37
" VI.	21	7	36	11	49	14	106	32	138
" VII.	4	—	5	2	1	6	10	8	18
" VIII.	3	—	1	—	—	1	4	1	5
" IX.	1	3	4	5	6	0	11	8	19
" X.	8	—	3	2	8	2	19	4	23
" XI.	—	—	7	1	—	—	7	1	8
" XII.	—	—	1	1	2	—	3	1	4
	112	31	140	91	158	102	410	224	
TOTAL	143	31	140	91	158	102	410	224	634
FRESHMEN					231	260		42	294
FOR ADVANCED DEGREE							4	—	4
							666	266	932
LOWELL SCHOOL									58
GRAND TOTAL									990

TECHNIQUE.

Summary of the School of Industrial Science.

BY STATES.

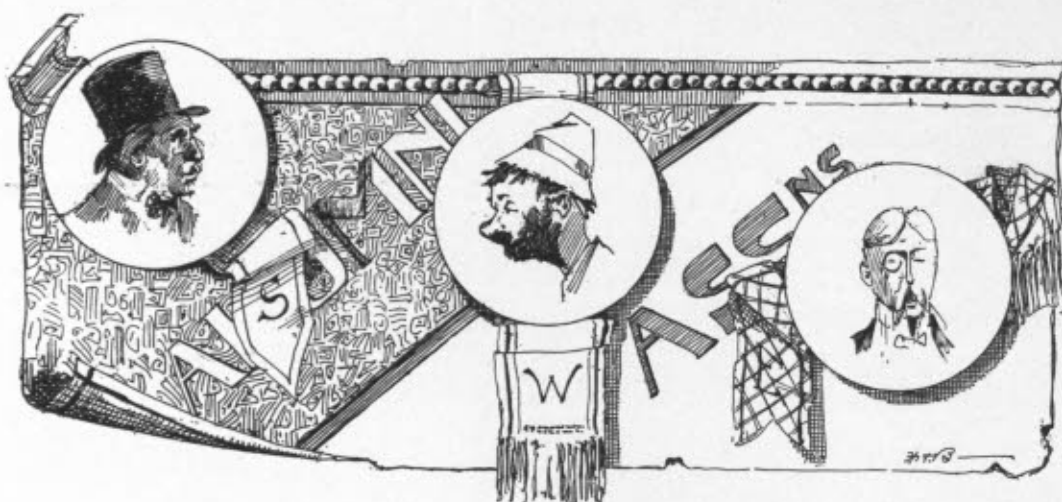
Massachusetts	521	Maryland	7
New York	41	Virginia	5
Illinois	34	Colorado	4
Ohio	32	Vermont	4
Connecticut	31	Arkansas	3
Maine	27	Florida	3
New Hampshire	23	Kentucky	3
Pennsylvania	20	Tennessee	3
Rhode Island	19	Georgia	2
California	14	Kansas	2
Michigan	14	South Carolina	2
Minnesota	14	Washington	2
Wisconsin	11	Delaware	1
New Jersey	10	Montana	1
Iowa	9	Nevada	1
District of Columbia	8	North Carolina	1
Louisiana	8	Oregon	1
Missouri	8	Texas	1
Indiana	7	West Virginia	1

BY COUNTRIES.

Canada	8	Porto Rico	2
Hawaiian Islands	4	Bulgaria	1
Japan	4	Ireland	1
Peru	3	France	1
Scotland	3	Mexico	1
Argentine Republic	2	Trinidad	1
Brazil	2	Turkey	1
England	2		

Thirty-seven States, the District of Columbia, and fifteen foreign countries are represented.

Corps of Instructors	97
Graduate Students	43
Women Students	24



ALUMNI ASSOCIATION.

Annual Meeting in Boston, Friday, December 26, 1890.

Annual Reception to the Graduating Class, about June 1, 1891.

OFFICERS.

President.

FRANCIS H. WILLIAMS, '73.

Vice-President.

A. LAWRENCE ROTCH, '84.

Secretary.

C. FRANK ALLEN, '72.

Executive Committee.

FRANCIS H. WILLIAMS, '73.

A. LAWRENCE ROTCH, '84.

C. FRANK ALLEN, '72.

SUMNER HOLLINGSWORTH, '76.

WALTER B. SNOW, '82.

NORTHWESTERN ALUMNI ASSOCIATION.

President.

T. W. ROBINSON, '84.

Vice-Presidents.

H. B. STONE, '78.

ARTHUR WINSLOW, '81.

Secretary-Treasurer.

SOLOMON STURGES, '87, 563 Rookery Building, Chicago.

WESTERN ALUMNI ASSOCIATION.

Treasurer.

E. W. ROLLINS, Denver, Col.

NOTE.—In this table the figures showing totals of graduates from each course and from each class are correct, and are put in heavier type. It has been impossible, except in case of death, to decide with perfect accuracy whether the graduate is still following his profession or not, but the table will serve to show very nearly how the alumni have distributed themselves.



Since 1873, young women have been received at the Institute on perfectly equal footing with the young men.

GRADUATES.

1873.

ELLEN H. RICHARDS, A. M. (Chemistry) { *Instructor in Sanitary Chemistry, Massachusetts
Vassar College. Institute of Technology.*

1881.

MARIE GLOVER HOLMAN, A. M. (Chemistry) *Died, May 5, 1885.*
Vassar College.

1882.

CLARA P. AMES (Chemistry) { *Teacher of Girls' Classical School, Northampton,
Mass.*
CARRIE L. RICE (Chemistry) *Teacher of High School, Denver, Col.*

1884.

AMY STANTIAL LUND (Chemistry) *Died, Feb. 11, 1888.*
ALICE BROWN TYLOR (Chemistry)

TECHNIQUE.

1885.

MARCELLA I. O'GRADY (General Studies) *Instructor in Biology, Vassar College.*

1886.

C. BELLE KENNEY (Chemistry) *Teacher of Science, Mt. Holyoke College.*

1887.

HELEN COOLEY (Chemistry) { *Teacher of Chemistry, State Normal School, California.*
SARAH L. DAY, A. B. (Chemistry) { *Water Analysis, State Board of Health, Massachusetts.*
Vassar College.

1888.

ANNIE W. SABINE, A. M. *Student.*
Ohio State University.
MARION TALBOT, A. M. (General Studies) { *Lecturer on Household Sanitation, Secretary of Association of Collegiate Alumnae.*
Boston University.

1889.

DELIA STICKNEY (Chemistry) *Instructor in Chemistry, Cambridge High School.*
CAROLINE A. WOODMAN, A. B. (Biology) *Instructor in Physiology, Wellesley College.*
Vassar College.

1890.

ELIZABETH E. BICKFORD (Biology) { *Teacher of Science, Bryn Mawr Preparatory School, Baltimore.*
LOTTIE A. BRAGG (Chemistry) *Instructor in Chemistry, Wellesley College.*
MINNIE ROGERS (General Studies) { *Principal of Private School, Jamaica Plain, Mass.*
SOPHIA G. HAYDEN (Architecture) { *Teacher of Mechanical Drawing, Jamaica Plain, Mass.*
ADELAIDE SHERMAN (Chemistry) *Teacher of Chemistry.*
LOIS L. HOWE (Architecture, partial) { *In Draughting Office of Allen & Kenway, Architects, Boston.*





PRESENT CO-EDS.

Class of '91.

BIRD, ADELAIDE	<i>Biology.</i>
BLACKWELL, ETHEL B.	<i>Biology (for Medical Studies).</i>
BRYANT, DIXIE LEE	<i>Biology, Geological Option.</i>
MALTBY, MARGARET E., A. B. Oberlin College.	<i>Physics.</i>
WHITE, ANNIE E.	<i>Chemistry.</i>

Class of '92.

BECKLER, ALICE H.	<i>Biology.</i>
BROWN, BERTHA	<i>Biology.</i>
DODD, MARGARET E.	<i>Biology.</i>
MILLER, LILLY	<i>Chemistry.</i>

Class of '93.

BALLARD, HETTIE O.	<i>Geology.</i>
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Class of '94.

GALLUP, HATTIE T.	<i>Architecture.</i>
HALL, SARAH A.	
MAHONY, MARION	<i>Architecture.</i>

Specials.

BLISS, CLARA A.	<i>Biology.</i>
CARTER, MARIÓN	<i>Biology (for Medical Studies).</i>
CLARK, CLARA M., A. B. Smith College.	<i>Geology.</i>
DOW, FLORENCE	<i>Chemistry.</i>
GRANGER, CARRIE A.	<i>Biology.</i>
LAIGHTON, FLORENCE M.	<i>Biology (for Medical Studies).</i>
MCNEAR, ISABELLA	<i>Chemistry of Foods.</i>
PRESCOTT, ALICE B.	
WADSWORTH, EDNA	<i>Chemistry.</i>
WHITTIMORE, AMY F.	<i>Chemistry of Foods.</i>
WILLEY, NETTIE M.	<i>Biology.</i>

Directory of Buildings

Occupied by the Massachusetts Institute of Technology.

Rogers Building. — Boylston Street.

Basement.

ROOM.

- Boiler Room.
- Lunch Room.
- 1. Mining Engineering Department; Library and Office: Professors Richards and Hoffman, Mr. Lodge.
- 2. *a*, Blowpipe Laboratory; *b*, Assay Balance Room; *c*, Private Laboratory.

ROOM.

- Kitchen.
- Hall, used for Supply Room and Dressing Room.
- 3. Assay Laboratory.
- 4. Engine and Lixiviation Room.
- 5. Milling Room.
- 6. Furnace Room.

First Floor.

- Office of President Walker.
- Offices of the Secretary and of the Bursar.
- Cage: *a*, Coat Room and Post-office; *b*, Office of Miss Bassett.
- 11. English Lecture Room.
- 12. Geology Laboratory and Lecture Room, Professor Crosby.

- 13. Biological Laboratory; Office of Professor Sedgwick, and Library of the Biological Department.
- 14. Geology.
- 15. Freshman Reading Room; Office of Mr. Andrews, Librarian.

Second Floor.

- Huntington Hall.
- 20. Recitation Room, Mathematics, Professor Tyler.
- 21. Recitation Room, Mathematics, Professor Wells.

- 22. Recitation Room, Mathematics, Professor Runkle.
- 26. Recitation Room, Language, Professor Luquiens.
- 27. Recitation Room, Mathematics, Professor Osborne.

Third Floor.

- 30. *Tech.* Office.
- 31. Professor Levermore.
- 33. Professor Carpenter and Mr. Herrick.
- 34. Mr. Emery.
- 35. Anteroom, connected with Huntington Hall.

- 36. Lecture Room, Mining.
- 37. Lecture Room and Museum of Mining Engineering.
- 38.

Fourth Floor.

- 40, 41. Library Department of General Studies.
- 42. Recitation Room, Mathematics, Mr. Frizell.

- 43. Mechanical Drawing Room; Office.
- 44. Lecture Room.

Fifth Floor.

- 50. *a*, Professor Faunce; *b*, Mr. Burrison.
- 51. Mr. Adams.
- 52. Mr. Adams.

- 53. Freehand Drawing Room.
- 54. Dressing Room.

TECHNIQUE.

New Building.—Corner of Boylston and Clarendon Streets.

Basement.

- | ROOM. | | ROOM. | |
|-------|---|-------|--|
| 1. | Chemical Storeroom. | 4. | Dynamo Room. |
| 2. | Industrial Laboratory: Physical Department. | 5. | Ventilating Apparatus. |
| 3. | Industrial Laboratory: Office. | 6. | Physical Laboratory; Janitor's Office. |

First Floor.

- | | | | |
|-----|---|-----|--|
| 10. | Rogers Laboratory (General Physics). | 14. | Lecture Room. |
| 11. | Small Lecture Room. | 15. | Library and Reading Room; Physical Department. |
| 12. | Apparatus Room. | 16. | Laboratory of Advanced Physics. |
| 13. | Private Study and Physical Laboratory, Professor Cross. | | |

Second Floor.

- | | | | |
|-----|---|-----|---|
| 20. | Library; Department of Architecture. | 22. | Physical Lecture Room. |
| 21. | Architectural Drawing Room, Third and Fourth Year Students; Office of Professors Chandler and Letang. | 23. | Architectural Lecture Room. |
| | | 24. | Architectural Drawing Room, Second Year Students. |

Third Floor.

- | | | | |
|-----|---|------|--|
| 30. | Chemistry Recitation Room. | 36. | Sanitary Chemistry; Water Analysis. |
| 31. | Textile Coloring Room. | 37. | Margaret Cheney Reading Room. |
| 32. | Recitation Room Language, Professor Van Daell. | 38. | Recitation Room, Language, Professor Dipold. |
| 33. | Combustion Room; Private Laboratory of Professor Craft. | 39A. | Recitation Room, Mathematics, Mr. Woods. |
| 34. | Sanitary Chemistry. | 39B. | Recitation Room, Mathematics, Dr. Skinner. |
| 35. | Kidder Chemical Lecture Hall. | | |

Fourth Floor.

- | | | | |
|-----|---------------------------------------|------|--|
| 40. | Laboratory of Analytical Chemistry. | 46A. | Office of Professor Drown. |
| 41. | Laboratory of General Chemistry. | 47. | Office of Professor Pope, Mr. Bardwell, Mr. Burns. |
| 42. | Organic Laboratory. | 47A. | Office and Private Laboratory of Professor Norton. |
| 43. | Nichols Library; Chemical Department. | 48. | Chemical Apparatus Room, Mrs. Stinson. |
| 44. | Balance Room. | 49. | Supply Room. |
| 45. | Burette Room. | | |
| 46. | Offices of Drs. Talbot and Noyes. | | |

Roof.

Furnace Room.

Engineering Building.—Trinity Place.

Basement.

Engineering Laboratories: consisting of a Steam Laboratory; a Hydraulic Laboratory; a Laboratory for testing the strength of materials.

TECHNIQUE.

First Floor.

- | ROOM. | | ROOM. | |
|-------|--|-------|-------------------|
| 10. | Laboratories: Mechanical Engineering and Applied Mechanics; Offices, Professors Lanza and Sondericker. | 11. | Cotton Machinery. |

Second Floor.

- | | | | |
|------|--|-----|---|
| 20. | Drawing Room; Second Year Mechanical Engineering; Model Room; Dark Room. | 21. | Recitation Room, Mechanism, Professor Schwamb and Mr. Purinton. |
| 20A. | Office. | 22. | Recitation Room, Applied Mechanics, Professor Sondericker. |

Third Floor.

- | | | | |
|------|---|-----|--|
| 30. | Drawing Room; Third and Fourth Year Mechanical Engineering. | 32. | Recitation Room, Thermo Dynamics, Professor Peabody. |
| 30A. | Offices, Professors Peabody and Schwamb. | 33. | Recitation Room, Applied Mechanics, Professor Lanza. |
| 30B. | Office. | | |
| 31. | Recitation Room, Mathematics, Mr. Bartlett. | | |

Fourth Floor.

- | | | | |
|-----|--|-----|--|
| 40. | Library: Civil and Mechanical Engineering Departments. | 45. | Instrument Room,—Surveying Instruments. |
| 41. | Drawing Room,—Fourth Year Civil Engineering. | 46. | Model Room; Civil Engineering. |
| 42. | Office, Professor Porter. | 47. | Recitation Room, Hydraulics, Professor Porter. |
| 43. | Office, Professor Swain. | 48. | Recitation Room, Language, Mr. Vogel. |
| 44. | Experimental Laboratory (C. E.) | 49. | Recitation Room, Bridges, Professor Swain. |

Fifth Floor.

- | | | | |
|-----|--|-----|---|
| 50. | Drawing Room,—Third Year Civil Engineering. | 52. | Blue-Print Room. |
| 51. | Drawing Room,—Second Year Civil Engineering. | 53. | Lecture Room, Surveying, Professor Burton. |
| | | 54. | Recitation Room, Railroad Engineering, Professor Allen. |

Roof.

- Blue-Print Room.

Workshop Building.—Garrison Street.

First Floor.

- | | |
|----------------------|--------------------|
| — Carpenter Shop. | — Recitation Room. |
| — Wood-turning Shop. | — Engine Room. |
| — Forge Shop. | — Boiler Room. |
| — Foundry. | — Stock Room. |
| — Machine Shop. | — Tool Room. |
| — Weaving Room. | |

Second Floor.

Occupied by the Lowell School of Practical Design.

Drill Shed and Gymnasium.—Corner of Exeter and Blagden Streets.



JUNE 2, 1890.

Baccalaureate Sermon by REV. PHILLIPS BROOKS, D.D. Trinity Church, June 1, 1890.

Order of Exercises.

OVERTURE	ORCHESTRA
MARCH	ORCHESTRA
ADDRESS	President GARY NATHAN CALKINS
ORATION	WILLIAM ZEBINA RIPLEY
SONG.—"IN ABSENCE"	T SQUARE QUARTET
POEM	FRANK MURRAY GREENLAW
MUSIC	ORCHESTRA
STATISTICS	SAMUEL DOUGLASS FLOOD
SONG.—"CANNIBAL IDYL"	T SQUARE QUARTET
HISTORY	JOHN LANGDON BATCHELDER, JR.
MUSIC	ORCHESTRA
PROPHECY	ATHERTON LORING

Class-Day Officers.

Chief Marshal EDWARD BRACKETT RAYMOND.

Committee.

ARTHUR HENRY ADAMS.	FREDERICK HOLMES DODGE.	EDWARD BRACKETT RAYMOND.
JOHN LANGDON BATCHELDER.	GEORGE LEONARD GILMORE.	ALLEN HASTINGS ROGERS.
GARY NATHAN CALKINS.	FRANK MURRAY GREENLAW.	HOWARD COLFAX SLATER.
MORTEN CARLISLE.	FRANKLIN KNIGHT.	ANDREW WHITNEY WOODMAN.
ELWOOD ALLEN EMERY.	ATHERTON LORING.	
	FREDERICK METCALF.	

Evening Reception at Cotillion Hall, June 2, 1890.

Class-Day Exercises.

ON June 2, 1890, Class-Day Exercises were held at the Institute for the fifth time since its foundation.

As the members of the Class of '90 entered Huntington Hall, they greeted their numerous friends gathered there by giving the long Tech. cheer:—

M. I. T. rah! rah! rah! M. I. T. rah! rah! rah!

M. I. T. rah! rah! rah! Technology!

A brief address of welcome by President Calkins, was followed by a few remarks from Mr. Raymond, the Chief Marshal. Mr. Ripley, Cicero et Demosthenes *pro tem.*, then took the floor. He began his "piece" with the surprising statement, "*We* are here, and the bleaching mental bones of our fellow-comrades lie strewn around us. We must not appear too good," he said, "or the world will mistake us for college graduates—for unripe fruit. Bachelors of Science were not made simply for ornamental purposes. What are we, then? Lords; offered lucrative positions by kneeling corporations." At this effective point the orator's classmates appeared to agree with him, *mirabile dictu*. With eyes fixed upon the left foot of the frescoed figure in the southwest corner of the frieze, Mr. Greenlaw, the Byron of the class, read a poem, whose flowing style would have done credit to the bards of the Renaissance. It was an original poem, and Mr. Greenlaw perpetrated it himself.

Light refreshments were then served by the T Square Quartette. Only eight or ten songs were given, at the urgent request of the audience, on account of the general impatience to hear Mr. Flood, the class statistician, explain his charts. These were fearfully and wonderfully made, and were intended to illustrate the peculiarities of the various members of the class. The following is a sample of the convincing logic by which Mr. Flood supported his theories: "Men wear beards to please the girls. To wear beards is a relic of barbarism; therefore, to please the girls is a relic of barbarism."

The class history, by Mr. Batchelder, was principally a record of athletic achievements. In referring to the numerous cups held by '90 men, he gave the names of many of the winners; but that of Mr. Batchelder himself, although it should have been a very prominent one, was conspicuously absent.

Mr. Atherton Loring, the class prophet, could have given anybody—even the Delphic Oracle—pointers on telling stories about the future. The great advantage he enjoyed was due to the fact that his audience was prepared not to believe a word that he said. The keynote of his discourse was, "Past, sad; present, sadder; future, saddest."

At the close of the exercises the mourners gathered in front of Rogers Building to cheer the professors and the buildings for the last time as students of the Institute.



Graduating Exercises.

HUNTINGTON HALL JUNE 3, 1890.

Introductory Remarks by the President.

Reading of Abstracts of Theses.

Commemorative Address,

A Historical Sketch of the First Quarter Century of the Institute.

By AUGUSTUS LOWELL, Esq.

Conferring of Degrees.

Master of Science.

WILLIAM BARTLETT THURBER, S. B., *Massachusetts Institute of Technology*, IX.

Bachelors of Science.

ARTHUR HENRY ADAMS	II.	FREDERICK STEARNS HOLLIS	V.
CHARLES HENRY ALDEN, JR.	IV.	SIDNEY ELLSWORTH HORTON	II.
FRANK WILEY ATWOOD	V.	FRANCIS HOWE KENDALL	I.
ARTHUR WHITTIER AYER	II.	HARRY ADAMS KENNICOTT	I.
CYRUS CATES BABB	I.	FRANKLIN KNIGHT	I.
JOSEPH BLACK BAKER	VI.	BERTRAM AUGUSTUS LENFEST	II.
HIRAM ELLSWORTH BALDWIN	I.	H. WARD LEONARD	III.

TECHNIQUE.

SPAULDING BARTLETT	V.	ERNEST ARTHUR LE SUEUR	VI.
JOHN LANGDON BATCHELDER, JR.	VII.	BERTRAM HASKELL MANN	VI.
CHARLES BOARDMAN BEASOM	II.	GEORGE BANCROFT McCONNELL	I.
ELIZABETH EMMA BICKFORD	VII.	GEORGE EDWARD MERRICK	V.
JOHN BALCH BLOOD	VI.	FREDERICK METCALF	II.
AUSTIN DUNHAM BOSS	II.	BURDETT MOODY	I.
EDWARD FRANKLIN BRAGG	II.	STEPHEN WALLACE MOORE	II.
LOTTIE ALMIRA BRAGG	V.	CHARLES NEAVE, B. A.	VI.
EDWARD DEXTER BROWN	VI.	ALLAN HOVEY NEWELL	II.
ERNEST HENRY BROWNELL, A. B.	I.	NORMAN GRANVILLE NIMS	IV.
EDWARD CLIFTON BURNHAM, A. B.	II.	ALMON EVANS NORRIS	II.
GARY NATHAN CALKINS	IX.	CLARENCE GEORGE NORRIS	I.
MORTEN CARLISLE	VI.	HARRY LINCOLN NOYES	I.
CHESTER VERNON CARLETON	I.	JOSEPH KARR NOYES	I.
JAMES ANDREW CARNEY	V.	GEORGE ARTHUR PACKARD	III.
GEORGE DANIEL CHAPMAN	II.	WILLIAM ROWZEE PEYTON	II.
FRANK LINTEN CHASE	I.	WILLIAM BABCOCK POLAND	I.
JAMES CLARK, JR.	VI.	EDWARD BRACKETT RAYMOND	VI.
WILLIAM HENRY COLLINS	V.	CALVIN WINSOR RICE	VI.
WALTER FREEMAN COOK	IX.	KNIGHT CHENEY RICHMOND, B. P.	II.
JOHN GOODING CRANE	I.	WILLIAM ZEBINA RIPLEY	I.
DARRAGH DE LANCEY	II.	HAROLD BARNES ROBERTS	II.
ALEXANDER JAMES DELANO	I.	EDWARD ROBINSON	II.
JOHN OVIATT DE WOLF	II.	ALLAN HASTINGS ROGERS	III.
FREDERICK HOLMES DODGE	II.	MINNIE HEMPEL ROGERS	IX.
FRANCIS WILLIAM DUNBAR	VI.	LOUIS SCHMIDT	V.
PIERRE SAMUEL DU PONT	V.	ADELAIDE SHERMAN	V.
EDWIN FORREST DWELLEY	I.	CHARLES WINSLOW SHERMAN	I.
ELWOOD ALLEN EMERY, B. L.	IV.	EDMUND THOMAS SIMPSON	V.
WILLIAM HENRY FENN	I.	HOWARD COLFAX SLATER	II.
WILLIAM PARKER FLINT	II.	WILLIAM LINCOLN SMITH	VI.
SAMUEL DOUGLAS FLOOD	II.	GEORGE ADOLPH SONNEMAN	III.
GEORGE WARREN FULLER	V.	MARTIN OTIS SOUTHWORTH	VI.
GEORGE L. GILMORE	II.	SAMUEL STORROW, A. B.	I.
JOHN WILLARD GLIDDEN	II.	BENTON STURGES	IV.
HARRY MANLY GOODWIN	VIII.	THOMAS JOSEPH STURTEVANT	VI.
FRANK MURRAY GREENLAW	VI.	FREDERICK WORCESTER SWANTON	VI.
GEORGE ELLERY HALE	VIII.	JOHN HENRY TOWNE	IX.
JOHN RICHARDSON HALL	VI.	ELTON DAVID WALKER	I.
PHILIP MELANCTHON HAMMETT, A. B.	II.	ROBERT TURNER WALKER	IV.

TECHNIQUE.

CHARLES HAYDEN	IX.	FRANKLIN WARREN WHITE	VII.
SOPHIA GREGORIA HAYDEN	IV.	WILLIS RODNEY WHITNEY	V.
FRANK HAYES	II.	ARTHUR ROBERTS WILSON	I.
HARRY EDGAR HAYES, A. B.	VI.	ANDREW WHITNEY WOODMAN	I.
SCHUYLER HAZARD	I.		

Lowell School of Practical Design.

Certificates Awarded.

JENNY BROOKS	Salem, Mass.
LEONARD LINCOLN CAIN	West Hingham, Mass.
BENJAMIN KINGSBURY CARR	Melrose, Mass.
JEANNETTE HUNTER CHOATE	West Somerville, Mass.
LOUIS WELLS CLARK	Middleboro, Mass.
KATHERINE LAPPEN CONNOR	South Boston, Mass.
CLINTON MURDOCK HILL	Saugus, Mass.
WILLIAM FERDINAND MEEHAN	Melrose Highlands, Mass.
FRED C. MOORE	Newton Highlands, Mass.
FRANK LESLIE RAY	Eastport, Me.
WILLIAM FRANK SIDELINGER	Quincy, Mass.
WARREN FREEMAN SNOW	Brewster, Mass.
ELIZABETH MORE THACHER	Dorchester, Mass.
ALVAH BICKFORD THOMPSON	Denver, Col.
FREDERICK W. WEST	Haverhill, Mass.

Address of President Walker, upon presenting Diplomas of Graduation.

MY FRIENDS: It is now my pleasant privilege, on behalf of the Corporation and Faculty of the Massachusetts Institute of Technology, to present to you the diplomas of your honorable graduation, and to greet you Bachelors of Science. It is rightly a subject of congratulation, on your part and on the part of all these friends, that you have passed so faithfully and patiently through one or another of the severe courses which lead up to the degree of the Institute. Doubtless at times it has gone much against the grain to do all that was required of you, and do it all well. But you have striven, and you have conquered. Never hereafter can you be as those who have not been tried. I do not believe that any one of you to-day regrets the severe exertions and great sacrifices that have been required. Those who do such things never regret the doing.

Behind you is a long course of laborious and honorable study and achievement; before you, a world which will never make upon you a severer demand than you have already successfully met. Are you not, then, glad that you have taken so brave a start in the cool of the day, and made so long a march in the morning of your lives, and now find yourselves so far on the way to personal and professional success, while sluggards are still droning and dozing away in camp the hours when the sun is low and the air is fresh and sweet? You are not to-day indulging in vain regrets as to hours which have been misspent, opportunities which have been neglected, and time that has been wasted in folly or vice. With the rightful pride of those who have fought a good fight, have kept the faith, and finished their course with honor, you stand here and now, on the threshold of the great world, in the consciousness of duty hitherto well performed, of preparation for the labors of life carefully and thoroughly made, and of suitable and ample equipment for all the responsibilities of professional practice in the several lines for which you have been qualifying yourselves. I congratulate you. We say farewell without sorrow, since it was for this you came to us. But we bid you farewell in all affection and respect, with all honor and regard, with the most pleasant recollections of your straightforward and honorable conduct here, and with the strongest anticipations of your success and prosperity, both in professional and in private life.

William Parsons Atkinson.

[A STUDENT'S TRIBUTE.]

No national testimonial marked the close of his career; no massive granite shaft or marble column to attract the eye of the passer-by has been erected by the busy community in which his life was spent; yet never did anyone utter more sincere words of appreciation than have fallen from the lips of colleague and pupil since Professor Atkinson's death. His fellow-members of the Faculty had the privilege of realizing most fully the faithful and painstaking way in which, throughout his long period of active service, he fulfilled the peculiarly difficult and exacting requirements of his position. To his social intimates was granted the opportunity of studying more closely than was possible by mere contact in class and recitation room, a nature which was in itself the strongest incentive to that "roundness of character," the production of which was his constant aim as a teacher.

His time was chiefly spent, however, among the students. To them, and for them, he devoted a life of untiring energy and unswerving devotion, and from them is due recognition which, while they were under the daily influence of his quiet and genial personality, was, perhaps, too meagre.

Only those who have been connected with a technical school can thoroughly appreciate the difficulties attending the presentation of strictly non-scientific subjects as a part of the regular course: and Professor Atkinson was one of the few who have succeeded not only in making his subject one of interest at the time, but in presenting it in such a way, and with such aids, as to make the Course one of extreme value in after life. His plan was fully embodied in the familiar phrase, "I want to teach you, not history, but how to study history." He found no time for presenting the ordinary dry and uninteresting facts of history as a mere succession of events, but made his lectures, or rather familiar talks, teem with the causes of events actually happening, taking the text from the morning paper as readily as from the prescribed text-book.

None appreciated more thoroughly than the students themselves the peculiar expression with which he accepted a box of dates at a class society meeting, when each member of the Faculty was presented with a memento appropriate to his special department, saying, "Gentlemen, I will try to digest them!" Entering into the enjoyment of the occasion with all the enthusiasm of a boy, few would have suspected that at least one of the other professors present was a former pupil, as well as present colleague.

TECHNIQUE.

Born in Boston in 1820, and entering Harvard College at the age of fourteen, Mr. Atkinson graduated in 1838, ranking fifth in his class. For some time he was principal of the Brookline High School. He afterward settled in Cambridge, where he was engaged in fitting young men for Harvard, when, in 1861, he was appointed professor of English and History in the new Institute of Technology. "Here," to quote Professor Runkle's words, "he labored with all his mind, and heart, and strength until his resignation, which took effect at the end of the school year of 1889, after a service of twenty-four years.

More than fifty years devoted to his chosen work! Half a century of labor in behalf of others! Is it any wonder that his old pupils think lovingly of the kind and genial influence that made "history hour" a relief from the more abstract and trying engineering studies.

He was always appreciative of honest endeavor to master a subject, and many were the hours he spent in "looking up" a reference for his classes,—hours represented, it may be, only by a line on the blackboard, but a line which is treasured up in many a little blue book as a reference "to look up when there is a leisure moment in business affairs."

Perhaps only a few of the Class of '87 noticed the tears in his eyes on graduation day; but those who did realized more fully than ever before the whole-hearted sympathy of the man whose memory will always be one of the pleasantest among our recollections of schooldays. New buildings, modern appliances, increased resources, all are of little moment in the annals of the Institute of Technology as long as it can point to such names among its stanchest friends and most faithful workers as that of William Parsons Atkinson.

H. C. SPAULDING.

TECHNIQUE.

.. Massachusetts Institute of Technology ..

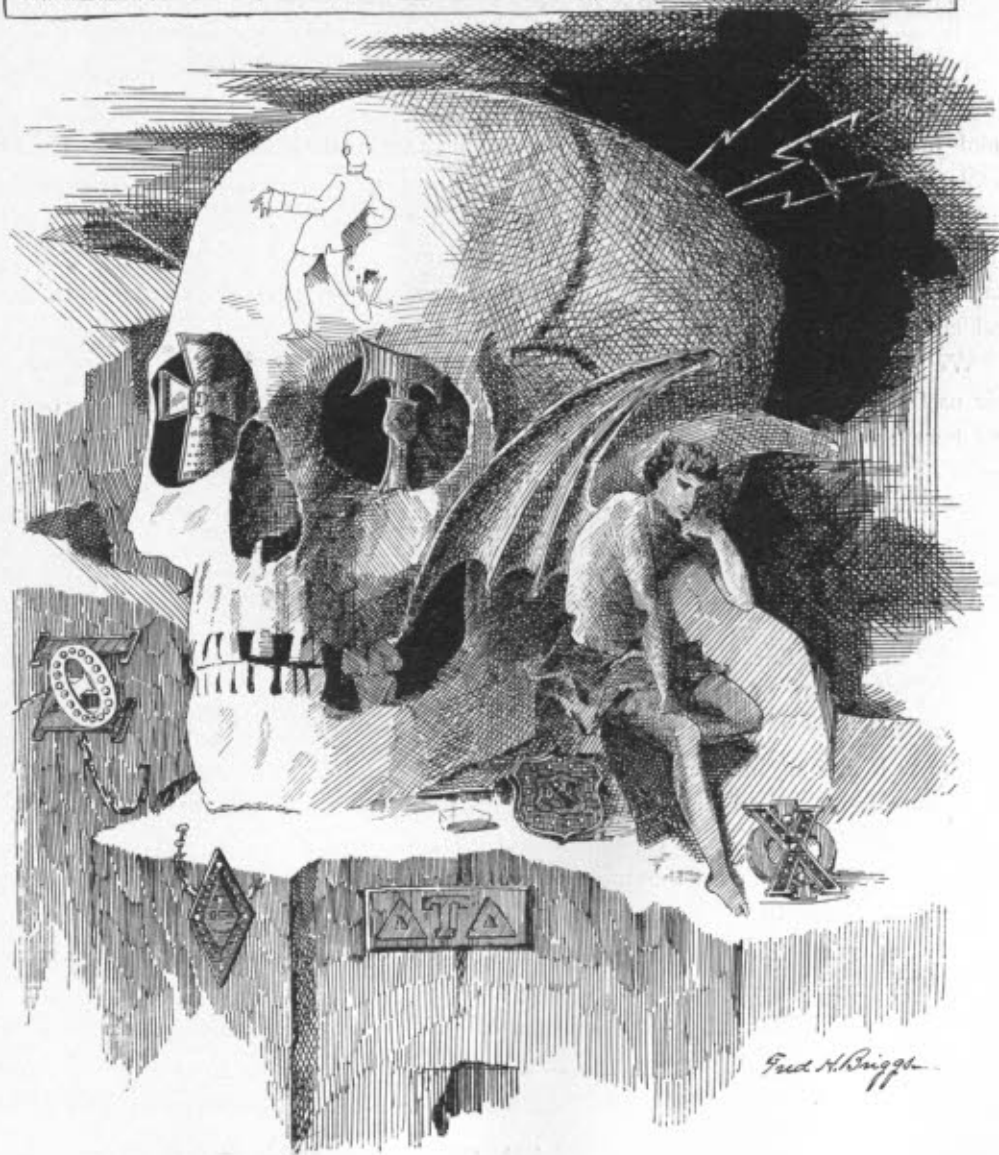
Table of the Distribution and Total Number of
Volumes in the Department Libraries.

LIBRARY.	LOCATION.	TOTAL NUMBER OF VOLUMES.
GENERAL	14 Rogers Building	1,475*
ENGINEERING	40 Engineering Building	2,100*
MINING	1 Rogers Building	897
ARCHITECTURAL	20 New Building	750*
CHEMICAL	43 New Building	4,231
BIOLOGICAL	13 Rogers Building	939
POLITICAL SCIENCE	40 Rogers Building	3,432
PHYSICAL	15 New Building	2,500*
ENGLISH	40 Rogers Building	671
GEOLOGICAL	14 Rogers Building	1,000*
TOTAL		17,990*
PAMPHLETS (not included in above), more than		8,000

PERIODICALS RECEIVED REGULARLY 333

Numbers marked (*) are approximate, as the catalogues are not yet completed.

FRATERNITIES



Fraternities.

THE Tech. student of a year's standing who has not openly deplored the lack of college spirit in the Institute, is a *rara avis*. Scattered over a large territory in their school homes, and seldom coming into close contact with their fellows outside of the school work, Tech. students, as a whole, have not formed the warm friendships that are characteristic of college life elsewhere. The desire for closer bonds than those of casual acquaintance, long since gave rise to the establishment of Greek Letter Fraternities with Chapters among the undergraduates of various institutions. Many Societies of a purely local character have also been formed.

We wish in this sketch neither to define the purpose of Fraternities, nor to consider their usefulness, but to call attention to the rapid increase in the number of Fraternity men here as evincing a healthy growth in college spirit among Tech. students. We cannot do this better than by a comparison of the lists of Fraternities and Local Societies as they appear in *TECHNIQUE*, Number 1, published in 1885, with the lists in the present volume. We find in the former a record of three Fraternities, with a total membership of thirty-eight; and three Local Societies, with a total membership of forty-seven. The current issue records eight Fraternities, with a total membership of one hundred and nineteen, and five Local Societies, with a total membership of fifty-five. This makes a gain in membership of 213% among Fraternities, and 14% among Local Societies. In 1885, one in every thirteen students in the Institute was a Fraternity man; at the present time the ratio is one in every six. Of the eight existing Fraternities in Tech., five have been established within the last year.

The foregoing facts seem to substantiate the claim that fraternity feeling, and its next in kin, college spirit, are in the ascendant at Tech., and that the near future is likely to see a large increase in the number of Fraternities, and in their membership. *TECHNIQUE* earnestly hopes that this will be the case, and that each man who is, or shall be, a member of a Fraternity here, may be imbued with the thought that should be a dominant one in every ideal Fraternity,—that of honest loyalty to *Alma Mater*, and sincere interest in her welfare.

Sigma Chi.

ROLL OF CHAPTERS.

*1855.	A.	MIAMIE UNIVERSITY	Oxford, Ohio.
1857.	T.	OHIO WESLEYAN UNIVERSITY	Delaware, Ohio.
1857.	H.	UNIVERSITY OF MISSISSIPPI	Oxford, Miss.
1858.	A.	INDIANA UNIVERSITY	Bloomington, Ind.
*1858.	I.	JEFFERSON COLLEGE	Canonsburg, Penn.
*1859.	N.	WASHINGTON COLLEGE	Washington, Penn.
1859.	Z.	DE PAUW UNIVERSITY	Greencastle, Ind.
1859.	O.	DICKINSON COLLEGE	Carlisle, Penn.
1859.	Φ.	UNIVERSITY OF VIRGINIA	Charlottesville, Va.
*1859.	Π.	ERSKINE COLLEGE	Due West, S. C.
*1860.	Σ.	LA GRANGE SYNODICAL COLLEGE	La Grange, Tenn.
1863.	Θ.	PENNSYLVANIA COLLEGE	Gettysburg, Penn.
1864.	K.	BUCKNELL UNIVERSITY	Lewisburg, Penn.
*1864.	E.	COLUMBIAN UNIVERSITY	Washington, D. C.
*1865.	Υ.	POLYTECHNIC COLLEGE OF THE STATE OF PENNSYLVANIA	Philadelphia, Penn.
1866.	Z.	WASHINGTON AND LEE UNIVERSITY	Lexington, Va.
1866.	P.	BUTLER UNIVERSITY	Irvington, Ind.
*1867.	Φ.	LAFAYETTE COLLEGE	Easton, Penn.
1867.	M.	DENISON UNIVERSITY	Grawville, Ohio.
1869.	Ω.	NORTHWESTERN UNIVERSITY	Evanston, Ill.
1871.	X.	HANOVER COLLEGE	Hanover, Ind.
*1872.	Δ.	UNIVERSITY OF GEORGIA	Athens, Ga.
*1872.	N.	CUMBERLAND UNIVERSITY	Lebanon, Tenn.
*1872.	Π.	HOWARD COLLEGE	Marion, Ala.
1872.	T.	ROANOKE COLLEGE	Salem, Va.
1872.	Σ.	HAMPDEN-SYDNEY COLLEGE	Farmville, Va.
1873.	B.	UNIVERSITY OF WOOSTER	Wooster, Ohio.
*1874.	B. B.	MISSISSIPPI COLLEGE	Clinton, Miss.
1874.	T. T.	RANDOLPH-MACON COLLEGE	Ashland, Va.
1874.	Δ. Δ.	PURDUE UNIVERSITY	Lafayette, Ind.
*1874.	E. E.	MONMOUTH COLLEGE	Monmouth, Ill.
*1875.	Φ. Φ.	UNIVERSITY OF PENNSYLVANIA	Philadelphia, Pa.
1876.	Z. Z.	CENTRE COLLEGE	Danville, Ky.
1876.	I. I.	UNIVERSITY OF ALABAMA	Tuscaloosa, Ala.
1877.	Θ. Θ.	UNIVERSITY OF MICHIGAN	Ann Arbor, Mich.
*1879.	X. X.	SOUTHERN UNIVERSITY	Greenboro, Ala.
1880.	Δ. X.	WABASH COLLEGE	Crawfordville, Md.
*1881.	K. K.	UNIVERSITY OF ILLINOIS	Champaign, Ill.
1882.	Z. φ.	UNIVERSITY OF CINCINNATI	Cincinnati, Ohio.
1882.	A. Γ.	OHIO STATE UNIVERSITY	Columbus, Ohio.
1882.	A. Z.	BELOIT COLLEGE	Beloit, Wis.
*1882.	A. H.	UNIVERSITY OF IOWA	Iowa City, Iowa.
1882.	A. Θ.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Boston, Mass.
1883.	A. Δ.	STEVENS INSTITUTE OF TECHNOLOGY	Hoboken, N. J.
1883.	A. E.	UNIVERSITY OF NEBRASKA	Lincoln, Neb.
*1883.	A. K.	HILLSDALE COLLEGE	Hillsdale, Mich.
1883.	A. I.	ILLINOIS WESLEYAN UNIVERSITY	Bloomington, Ill.
1883.	A. A.	WISCONSIN STATE UNIVERSITY	Madison, Wis.
*1884.	A. M.	VIRGINIA MILITARY INSTITUTE	Lexington, Va.
1884.	A. Z.	UNIVERSITY OF KANSAS	Lawrence, Kan.
1884.	A. N.	UNIVERSITY OF TEXAS	Austin, Texas.
1886.	A. O.	TULANE UNIVERSITY	New Orleans, La.
1886.	A. Π.	ALBION COLLEGE	Albion, Mich.
1886.	A. B.	UNIVERSITY OF CALIFORNIA	Berkeley, Cal.
1886.	A. P.	LEHIGH UNIVERSITY	Bethlehem, Penn.
1888.	A. Σ.	UNIVERSITY OF MINNESOTA	Minneapolis, Minn.
1889.	A. T.	UNIVERSITY OF NORTH CAROLINA	Chapel Hill, N. Y.
1889.	A. Υ.	UNIVERSITY OF SOUTHERN CALIFORNIA	Los Angeles, Cal.
1890.	A. Φ.	CORNELL UNIVERSITY	Ithaca, N. Y.

Sigma Chi.

ALPHA THETA CHAPTER.

ESTABLISHED MARCH 22, 1882.

Active Members.

EDWARD LATHROP ANDREWS.
CHARLES PERKINS COGSWELL, JR.
MARTIN JOHN SPAULDING CROMWELL.
JOHN ANDREW CURTIN.
HERBERT EMERSON HATHAWAY.
JOHN ASHLEY HIGHLANDS.
MYRON HUBBARD HUNT.
WILLIAM ROBERT KALES.
CHARLES REAY KNAPP.
WALLACE EUGENE MCCAW.

JAMES SCOTT PARRISH.
JOHN SHELLEY PEACHIN.
FRANK F. PHINNEY.
CALVIN BARTON PRATT.
HENRY COLBY STILLWELL.
WALTER HERBERT VORCE.
MURRAY WARNER.
SAMUEL WASHINGTON WEIS.
CHAUNCEY MCGREGORY WELLS.
EDWARD PAYSON WHITMAN.

HARRY NYE WILLIAMS.

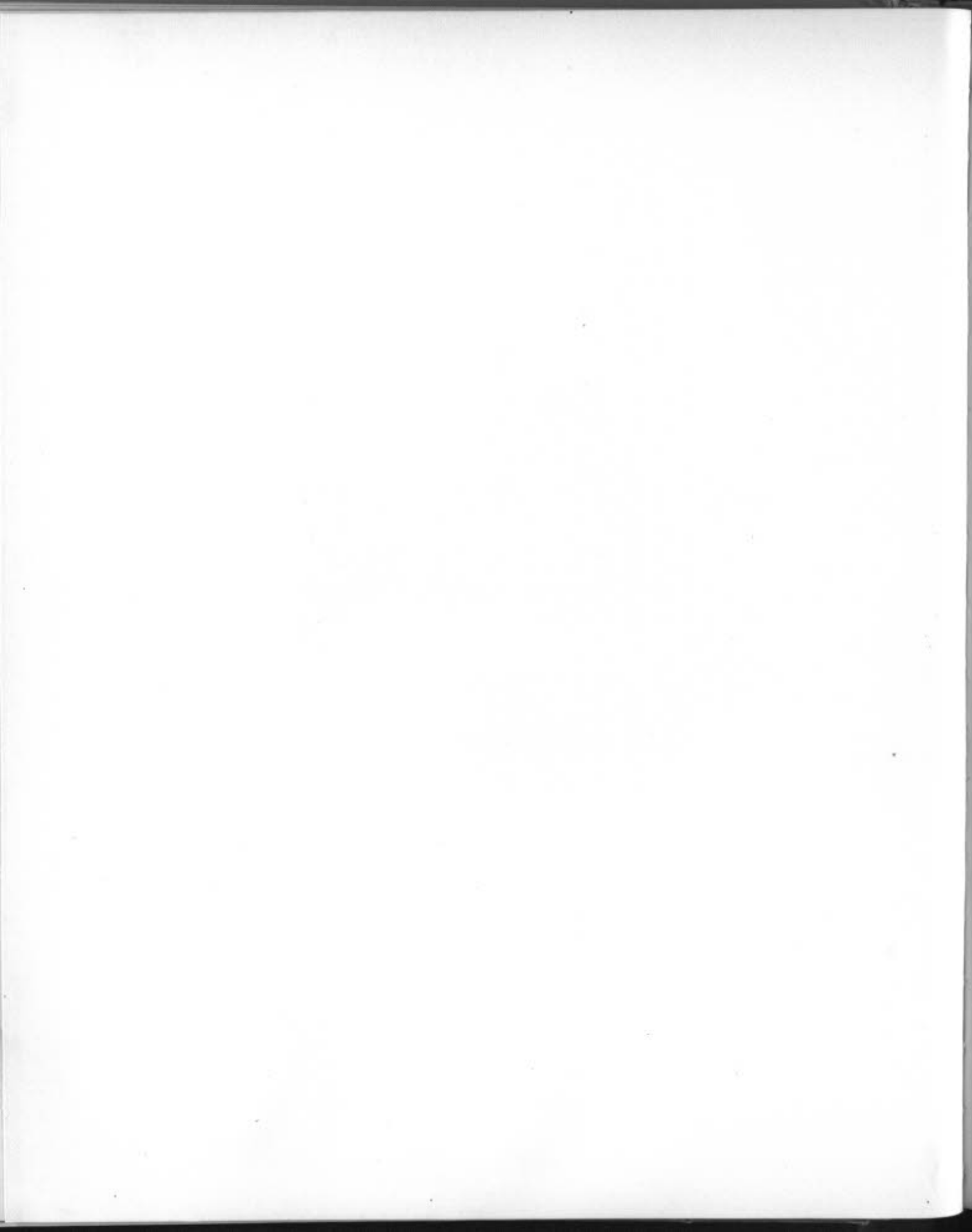
Fratres in Urbe.

A. F. BARDWELL.
H. T. BARDWELL.
W. A. CHAMBERLIN.
G. A. DORSEY.
W. D. HAMMOND.

C. P. JONES.
W. H. MERRILL, JR.
F. L. PIERCE.
R. C. SPENCER, JR.
T. STEBBINS.



J. B. B. B. B. B.



Theta Xi.

ROLL OF CHAPTERS.

A.	RENSSELAER POLYTECHNIC INSTITUTE	Troy, N. Y.
B.	YALE COLLEGE	New Haven, Conn.
F.	STEVENS INSTITUTE OF TECHNOLOGY	Hoboken, N. J.
A.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Boston, Mass.

Theta Xi.

DELTA CHAPTER.

Members.

ARTHUR HUMPHREYS ALLEY.
ALBERT FARWELL BEMIS.
JOHN CLIFFORD BROWN.
CHARLES EGMONT BUCHHOLZ.
JAMES PINKNEY BUCKLEY.
THOMAS IRVIN CHAPMAN.
WALTER SMITH COLES.
WILLIAM CRARY DART.
ALBERT PERCIVAL HALL.

EDGAR LOCKWOOD HAMILTON.
FREDERICK HOPPIN HOWLAND.
MORRIS LEIDY JOHNSTON.
FREDERIC WAIT LORD.
HENRY ADAMS MORSS.
EDWARD BRYANT RANDALL.
STANSBURY SUTTON.
WALTER BACON TROWBRIDGE.
WALTER SHERMAN WHITING.

In Urbe.

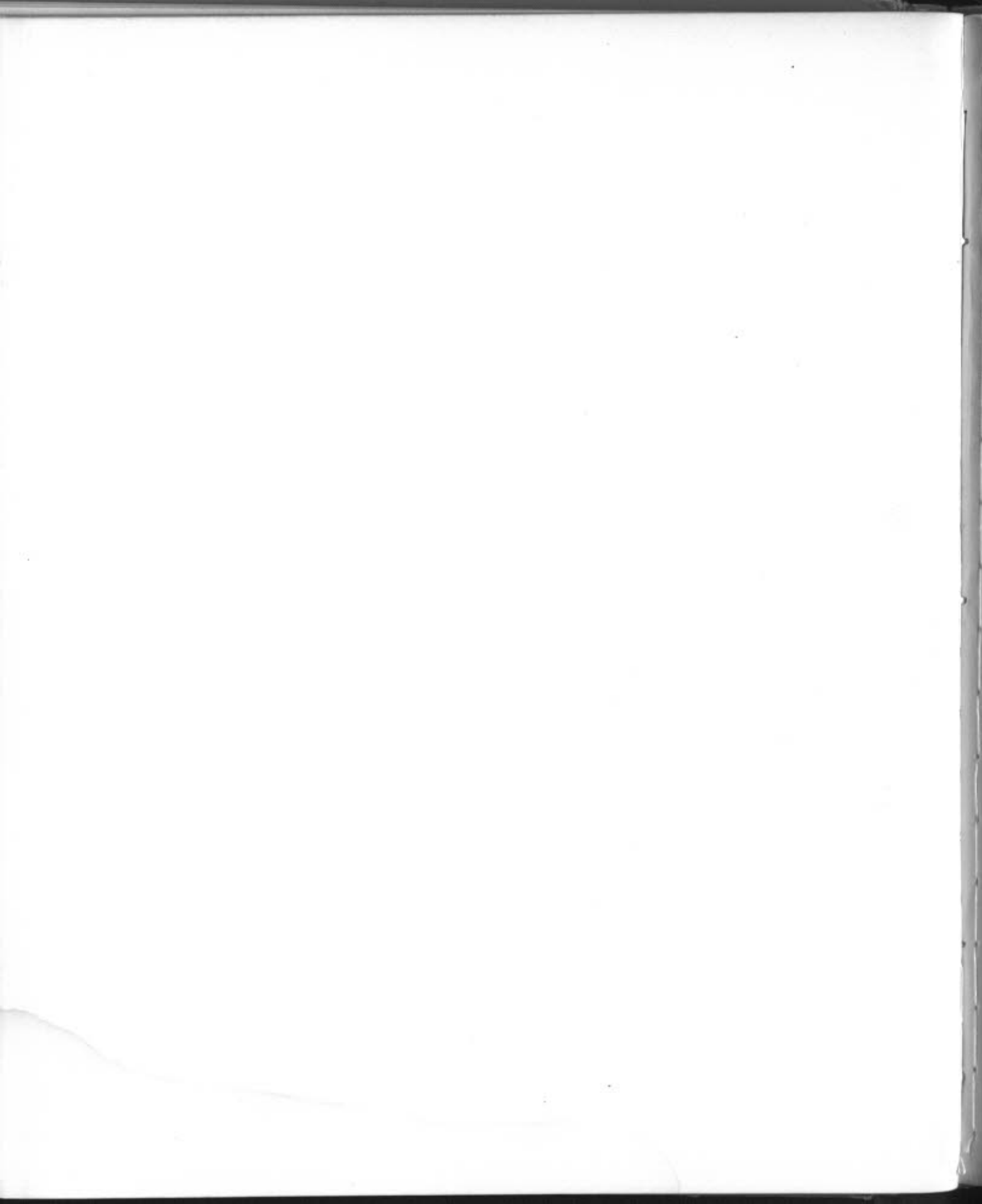
ALFRED MILLARD BLINN.
EDWARD LYMAN BROWN.
HARRY ELLSWORTH CLIFFORD.
MORTON EDDY COBB.
HENRY JOHN CONANT.
NATHAN DURFEE.
FRED PARKER EMERY.

HORACE SOUTHWORTH FRAZER.
HAROLD GORDON GROSS.
CHARLES HAYDEN.
HORACE GREELEY LOBENSTINE.
HERBERT STURGIS POTTER.
TIMOTHY WILSON SPRAGUE.
HARRY HAYWARD YOUNG.



J. J. Lippard & Co. Boston

1851



Phi Gamma Delta.

FOUNDED 1848.

ROLL OF CHAPTERS.

1848.	A.	WASHINGTON AND JEFFERSON COLLEGE	Washington, Penn.
1851.	E.	UNIVERSITY OF NORTH CAROLINA	Chapel Hill, N. C.
1855.	H.	MARIETTA COLLEGE	Marietta, Ohio.
1856.	A.	DE PAUW UNIVERSITY	Greencastle, Ind.
1856.	N.	BETHEL COLLEGE	Russellville, Ky.
1858.	Σ.	PENNSYLVANIA COLLEGE	Gettysburg, Penn.
1860.	Π.	ALLEGHANY COLLEGE	Meadville, Penn.
1864.	T.	HANOVER COLLEGE	Hanover, Ind.
1865.	Υ.	COLLEGE OF THE CITY OF NEW YORK	New York, N. Y.
1866.	Ψ.	WABASH COLLEGE	Crawfordsville, Ind.
1866.	Ω.	COLUMBIA COLLEGE	New York, N. Y.
1866.	A. Δ.	ILLINOIS WESLEYAN UNIVERSITY	Bloomington, Ill.
1866.	B. Δ.	ROANOKE COLLEGE	Salem, Va.
1867.	Γ. Δ.	KNOX COLLEGE	Galesburg, Ill.
1867.	E. Δ.	MUHLENBERG COLLEGE	Allentown, Penn.
1869.	Θ. Δ.	OHIO WESLEYAN UNIVERSITY	Delaware, Ohio.
1870.	Δ. Δ.	HAMPDEN-SIDNEY COLLEGE	Hampden-Sidney, Va.
1871.	K. Δ.	UNIVERSITY OF GEORGIA	Athens, Ga.
1871.	Z.	INDIANA STATE UNIVERSITY	Bloomington, Ind.
1875.	N. Δ.	YALE UNIVERSITY	New Haven, Conn.
1878.	O. Δ.	OHIO STATE UNIVERSITY	Columbus, Ohio.
1881.	B.	UNIVERSITY OF PENNSYLVANIA	Philadelphia, Penn.
1882.	Δ.	BUCKNELL UNIVERSITY	Lewisburg, Penn.
1882.	Δ. Σ.	UNIVERSITY OF CALIFORNIA	Berkeley, Cal.
1882.	Π. Δ.	UNIVERSITY OF KANSAS	Lawrence, Kan.
1882.	P. Δ.	WOOSTER UNIVERSITY	Wooster, Ohio.
1883.	Σ. Δ.	LAFAYETTE COLLEGE	Easton, Penn.
1884.	Σ.	WITTENBERG COLLEGE	Springfield, Ohio.
1885.	A. Φ.	UNIVERSITY OF MICHIGAN	Ann Arbor, Mich.
1885.	A. Δ.	DENISON UNIVERSITY	Granville, Ohio.
1886.	Z. Φ.	WILLIAM JEWEL COLLEGE	Liberty, Mo.
1886.	Ξ. Δ.	ADELBERT COLLEGE	Cleveland, Ohio.
1887.	B. X.	LEHIGH UNIVERSITY	South Bethlehem, Penn.
1887.	Θ. Ψ.	COLGATE UNIVERSITY	Hamilton, N. Y.
1888.	Γ. Φ.	PENNSYLVANIA STATE COLLEGE	State College, Penn.
1888.	K. N.	CORNELL UNIVERSITY	Ithaca, N. Y.
1889.	I. M.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Boston, Mass.
1889.	P. X.	RICHMOND COLLEGE	Richmond, Va.
1890.	M. Σ.	UNIVERSITY OF MINNESOTA	Minneapolis, Minn.
1890.	K. T.	UNIVERSITY OF TENNESSEE	Knoxville, Tenn.

Phi Gamma Delta.

IOTA MU CHAPTER.

ESTABLISHED MARCH 25, 1889.

Fratres in Universitate.

HERBERT ARMSTRONG.
ROBERT WILSON BISSELL.
HOWARD ALBERT DILL.
WILBUR FORBES EVANS.
CHARLES ELY FOX.
ALBERT LEE GOETZMANN.
ALBERT SAMUEL HEYWOOD.

WILLIAM FAITONTE KEENE.
ELMER PHILIP KRAFT.
ELISHA LEE, JR.
WOODRUFF LEEMING.
CLEMENT MARCH.
HARRY CHARLES PARKES.
JAMES RAMSAY SPEER.

FREDERICK CHARLES SUTTER.

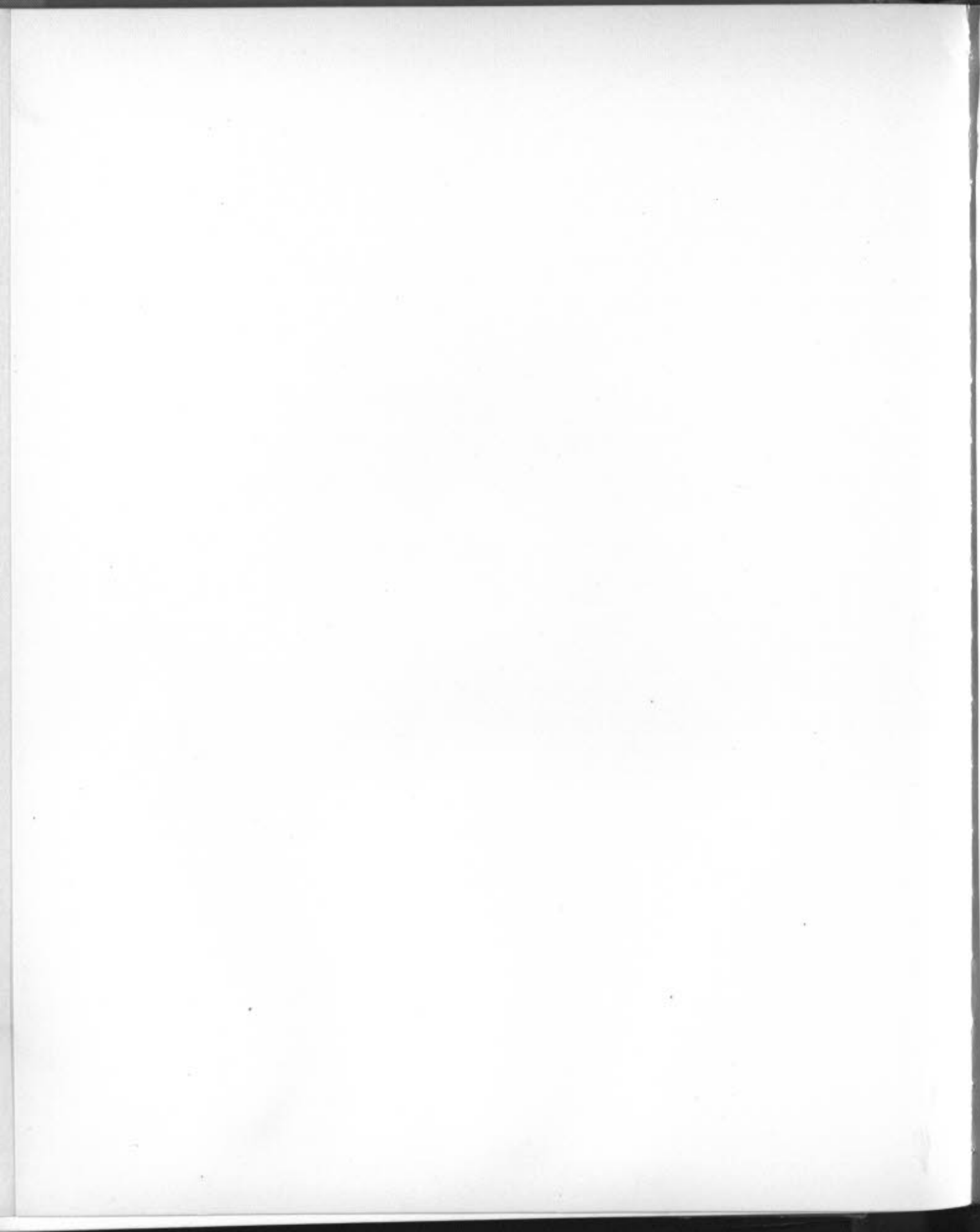
Fratres in Urbe.

H. P. BELLWS.
G. H. COFFIN.
G. K. HARRISON.
W. F. KELLY.
C. F. LEE.
J. R. LOVEJOY.

SAMUEL MIX.
E. W. MIX.
H. S. NEWTON.
A. L. ROHRER.
J. L. SCOTT.
WAYNE WHIPPLE.



Devoto. Phila



Delta Tau Delta.

FOUNDED 1859.

ROLL OF CHAPTERS.

Division of the East.

A.	ALLEGHANY COLLEGE	Meadville, Penn.
F.	WASHINGTON AND JEFFERSON COLLEGE	Washington, Penn.
G.	BETHANY COLLEGE	Bethany, W. Va.
N.	LAFAYETTE COLLEGE	Easton, Penn.
P.	STEVENS INSTITUTE TECHNOLOGY	Hoboken, N. J.
T.	FRANKLIN AND MARSHALL COLLEGE	Lancaster, Penn.
Y.	RENSSELAER POLYTECHNIC INSTITUTE	Troy, N. Y.
B. A.	LEHIGH UNIVERSITY	Bethlehem, Penn.
B. N.	MASSACHUSETTS INSTITUTE TECHNOLOGY	Boston, Mass.
B. M.	TUFTS COLLEGE	College Hill, Mass.
B. S.	BOSTON UNIVERSITY	Boston, Mass.
B. O.	CORNELL UNIVERSITY	Ithaca, N. Y.

Division of the North.

A.	UNIVERSITY OF MICHIGAN	Ann Arbor, Mich.
E.	ALBION COLLEGE	Albion, Mich.
K.	HILLSDALE COLLEGE	Hillsdale, Mich.
I.	MICHIGAN AGRICULTURAL COLLEGE	Agricultural College, Mich.
M.	OHIO WESLEYAN UNIVERSITY	Delaware, Ohio.
W.	WOOSTER UNIVERSITY	Wooster, Ohio.
X.	KENYON COLLEGE	Gambier, Ohio.
H.	BUCHTEL COLLEGE	Akron, Ohio.
Z.	ADELBERT COLLEGE	Cleveland, Ohio.
B.	OHIO UNIVERSITY	Athens, Ohio.
Φ.	HANOVER COLLEGE	Hanover, Ohio.
B. A.	INDIANA UNIVERSITY	Bloomington, Ind.
B. B.	DE PAUW UNIVERSITY	Greencastle, Ind.
B. Z.	BUTLER UNIVERSITY	Irvington, Ind.

Division of the West.

O.	UNIVERSITY OF IOWA	Iowa City, Iowa.
S.	SIMPSON COLLEGE	Indianola, Iowa.
Ω.	IOWA STATE COLLEGE	Ames, Iowa.
B. K.	UNIVERSITY OF COLORADO	Boulder, Col.
B. H.	UNIVERSITY OF MINNESOTA	Minneapolis, Minn.
B. F.	UNIVERSITY OF WISCONSIN	Madison, Wis.

Division of the South.

A.	VANDERBILT UNIVERSITY	Nashville, Tenn.
Π.	UNIVERSITY OF MISSISSIPPI	Univer. of Mississippi, Miss.
B. Δ.	UNIVERSITY OF GEORGIA	Athens, Ga.
B. E.	EMORY COLLEGE	Oxford, Ga.
B. Θ.	UNIVERSITY OF THE SOUTH	Sewanee, Tenn.
B. Z.	TULANE UNIVERSITY	New Orleans, La.
B. I.	UNIVERSITY OF VIRGINIA	Charlottesville, Va.

Delta Tau Delta.

BETA NU CHAPTER.

ESTABLISHED MAY 1889.

Members.

GEORGE WILLIAM BRYDEN.
EDWARD WILTON DONN, JR.
ARTHUR BLAKELY SMITH.
JULIUS GRAY ESTEY.
RUSSELL SELFRIDGE.
JEREMIAH CAMPBELL.

RITTENHOUSE RANDOLPH MOORE.
PALMER WILLIAMSON STARR.
FREDERICK WILLIAM FUGER.
JOHN H. COFFIN CHURCH.
GEORGE BATCHELDER PERKINS.
EDWARD PADDINGTON GILL.

CLIFFORD MOLINEAUX TYLER.





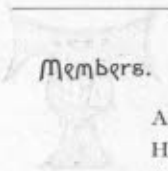
Delta Psi.

ROLL OF CHAPTERS.

A.	COLUMBIA COLLEGE	New York City.
Δ.	UNIVERSITY OF PENNSYLVANIA	Philadelphia, Penn.
E.	TRINITY COLLEGE	Hartford, Conn.
I.	UNIVERSITY OF ROCHESTER	Rochester, N. Y.
Λ.	WILLIAMS COLLEGE	Williamstown, Mass.
Φ.	UNIVERSITY OF MISSISSIPPI	Oxford, Miss.
Υ.	UNIVERSITY OF VIRGINIA	Charlottesville, Va.
Σ.	SHEFFIELD SCIENTIFIC SCHOOL	New Haven, Conn.
T.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Boston, Mass.

Delta Psi.

TAU CHAPTER.

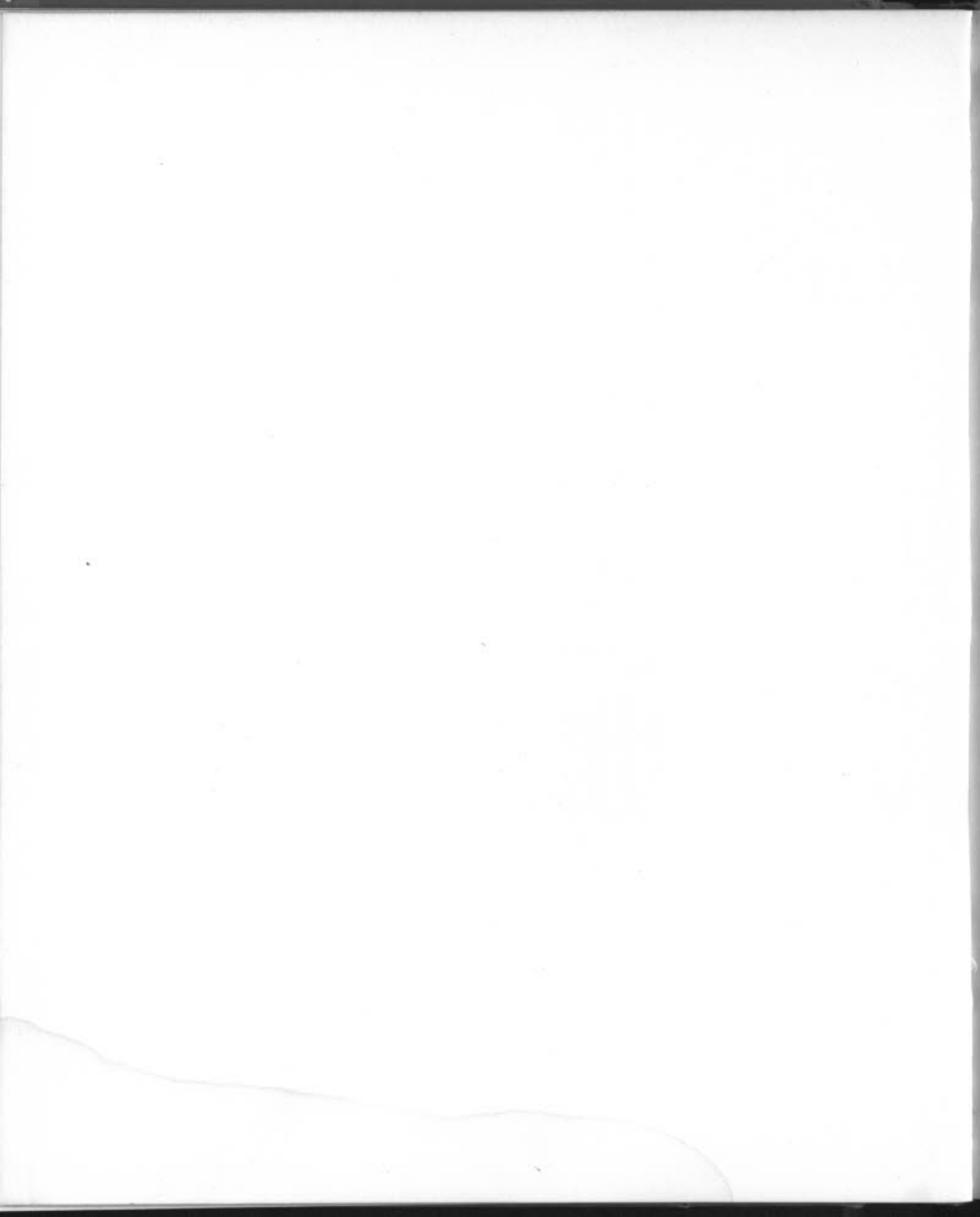


Members.

WILLIAM LINCOLN HARRIS.
RUSSELL ROBB.
HOLLIS FRENCH.
JOHN DEARBORN.
JOHN LANGDON BATCHELDER, JR.
FRANCIS GOODHUE, JR.
PHILIP HARVEY.
WALTER POWER HENDERSON.
FREDERIC PAGE ROYCE.
MORRIS AUSTEN PETERS.
THEODORE SPENCER.
AMBROSE WALKER.

ALLEN FRENCH.
HUMPHREY HATHAWAY SWIFT, JR.
ROY HAMILTON BEATTIE.
FRANCIS WRIGHT FABYAN.
GEORGE KNIGHT DEARBORN.
MARVINE GORHAM.
FREDERIC TALLMADGE TOWNE.
FRANCIS CUSHING GREEN.
LEWIS STONE GREENLEAF.
WILLIAM CREIGHTON PEET.
JOHN CONYNGHAM STEVENS.
JOHN PATTEN STORY, JR.





Theta Delta Chi.

FOUNDED AT UNION COLLEGE, 1846.

CHARGE ROLL.

Delta	1853	Rensselaer Polytechnic Institute.
Zeta	1853	Brown University.
Eta	1854	Bowdoin College.
Kappa	1856	Tufts College.
Xi	1857	Hobart College.
Sigma	1861	Dickinson College.
Phi	1866	Lafayette College.
Psi	1867	Hamilton College.
Omicron Deuteron	1869	Dartmouth College.
Beta	1870	Cornell University.
Lambda	1876	Boston University.
Pi Deuteron	1881	College of the City of New York.
Rho Deuteron	1883	Columbia College.
Nu Deuteron	1884	Lehigh University.
Mu Deuteron	1885	Amherst College.
Epsilon Deuteron	1887	Yale University.
Gamma Deuteron	1889	University of Michigan.
Theta Deuteron	1890	Massachusetts Institute of Technology.

Theta Delta Chi.

THETA DEUTERON CHAPTER.

Active Members.

RICHARD CLOUGH ANDERSON.
THOMAS H. CREDEN.
GEORGE F. DANA.
FRANK H. DORR.
HENRY C. DRESSER.
HORACE H. ENSWORTH.

G. BURTON HAWLEY.
HERBERT S. MILLER.
ANDREW P. NEWMAN.
FRANCIS C. NORTON.
HAMILTON RICE.
FREDERICK I. WARREN.

J. FRANCIS WHITE.

In Urbe.

GEO. W. BAKER.
JAMES WILSON PIERCE.

WILLIAM C. CAPRON.
C. W. WHITNEY.

S. EDGAR WHITAKER.



Frederick Phila.



Chi Phi.

FOUNDED 1824.

ROLL OF CHAPTERS.

A. UNIVERSITY OF VIRGINIA	Charlottesville, Va.
B. MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Boston, Mass.
F. EMORY COLLEGE	Oxford, Ga.
A. RUTGERS COLLEGE	New Brunswick, N. J.
E. HAMPDEN-SIDNEY COLLEGE	Hampden-Sidney, Va.
Z. FRANKLIN AND MARSHALL COLLEGE	Lancaster, Penn.
H. UNIVERSITY OF GEORGIA	Athens, Ga.
Θ. RENSSELAER POLYTECHNIC INSTITUTE	Troy, N. Y.
I. OHIO STATE UNIVERSITY	Columbus, Ohio.
K. BROWN UNIVERSITY	Providence, R. I.
Λ. UNIVERSITY OF CALIFORNIA	Berkeley, Cal.
M. STEVENS INSTITUTE OF TECHNOLOGY	Hoboken, N. J.
Ξ. CORNELL UNIVERSITY	Ithaca, N. Y.
Θ. SHEFFIELD SCIENTIFIC SCHOOL, YALE COLLEGE	New Haven, Conn.
Π. VANDERBILT UNIVERSITY	Nashville, Tenn.
P. LAFAYETTE COLLEGE	Easton, Penn.
Σ. WOFFORD COLLEGE	Spartanburg, S. C.
T. UNIVERSITY OF SOUTH CAROLINA	Columbia, S. C.
Φ. AMHERST COLLEGE	Amherst, Mass.
X. OHIO WESLEYAN UNIVERSITY	Delaware, Ohio.
†. LEHIGH UNIVERSITY	So. Bethlehem, Penn.
Ω. DICKINSON COLLEGE	Carlisle, Penn.

ALUMNI CHAPTERS.

Members.

ALEPH, Baltimore, Md.

BETH, New York City.

VAU, Washington, D. C.

Chi Phi.

BETA CHAPTER.

ESTABLISHED NOVEMBER 21, 1890.

Members.

ROSS F. TUCKER, '92, Lambda.

ARTHUR L. WHEELER, '92, Kappa.

SAMUEL H. BROCKUNIER, '93, Omega.

W. HARTLEY DENNETT, '92.

FREDERICK H. MESERVE, '92.

WILLIAM E. DAVIS, JR., '93

J. VAUGHAN DENNETT, '93.

ARMAND D. KOCH, '92.

ELWYN W. STEBBINS, '93.

HENRY E. M. ALEXANDER, '94.

C. WILLIAM DICKEY, '94.

HARRY A. BALDWIN, '94.

WALTER D. BLISS, '94.

LEWIS A. DUNHAM, '91.

LESLIE DANA, '94.

GEORGE MOORE, '93.

RICHARD E. MESERVE, '92.

AMASA WALKER, '93.

WILLIAM F. S. BROWN, '92.

LUTHER R. NASH, '94.

JOHN JAMES HOLLISTER, '94.



Irish, Phila.



Delta Kappa Epsilon.

ROLL OF CHAPTERS.

Phi	YALE UNIVERSITY	1844
Theta	BOWDOIN COLLEGE	1844
Xi	COLBY UNIVERSITY	1844
Sigma	AMHERST COLLEGE	1846
Upsilon	BROWN UNIVERSITY	1850
Chi	UNIVERSITY OF MISSISSIPPI	1850
Alpha	HARVARD UNIVERSITY	1851
Beta	UNIVERSITY OF NORTH CAROLINA	1851
Eta	UNIVERSITY OF VIRGINIA	1852
Kappa	MIAMI UNIVERSITY	1852
Lambda	KENYON COLLEGE	1852
Pi	DARTMOUTH COLLEGE	1853
Iota	CENTRAL UNIVERSITY OF KENTUCKY	1854
Alpha Alpha	MIDDLEBURY COLLEGE	1854
Omicron	UNIVERSITY OF MICHIGAN	1855
Epsilon	WILLIAMS' COLLEGE	1855
Rho	LAFAYETTE COLLEGE	1855
Tau	HAMILTON COLLEGE	1856
Mu	COLGATE COLLEGE	1856
Nu	COLLEGE OF CITY OF NEW YORK	1856
Beta Phi	UNIVERSITY OF ROCHESTER	1856
Phi Chi	RUTGERS COLLEGE	1861
Psi Chi	INDIANA ASBURY UNIVERSITY	1866
Gamma Phi	WESLEYAN UNIVERSITY	1867
Psi Omega	RENSSELAER POLYTECHNIC	1867
Beta Chi	ADELBERT COLLEGE	1868
Delta Chi	CORNELL UNIVERSITY	1870
Phi Gamma	SYRACUSE UNIVERSITY	1871
Gamma Beta	COLUMBIA COLLEGE	1874
Theta Zeta	UNIVERSITY OF CALIFORNIA	1874
Alpha Chi	TRINITY COLLEGE	1879
Gamma	VANDERBILT UNIVERSITY	1889
Phi Epsilon	UNIVERSITY OF MINNESOTA	1889
Sigma Tau	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	1890

Delta Kappa Epsilon.

SIGMA TAU CHAPTER.

ESTABLISHED DECEMBER 6, 1890.

Fratres in Facultate.

FRANCIS AMASA WALKER.

ALFRED EDGAR BURTON.

CHARLES HERBERT LEVERMORE.

Members.

ROBERT STEELE BALL.

EDMUND ENOS BLAKE.

FREDERICK CHAMBERS BLANCHARD.

SEVERANCE BURRAGE.

FREDERICK GRISWOLD COGGIN, JR.

LAWRENCE BELMONT DIXON.

GEORGE VINCENT WENDELL.

ARTHUR GEORGE FARWELL.

ARTHUR EDWIN FOWLE.

LEONARD METCALF.

FRANK EATON NEWMAN.

FREDERICK TITCOMB SNYDER.

JAMES SWAN.

Fratres in Collegio.

EDDY CLARK COVELL.

WILLIAM STILLMAN DUTTON.

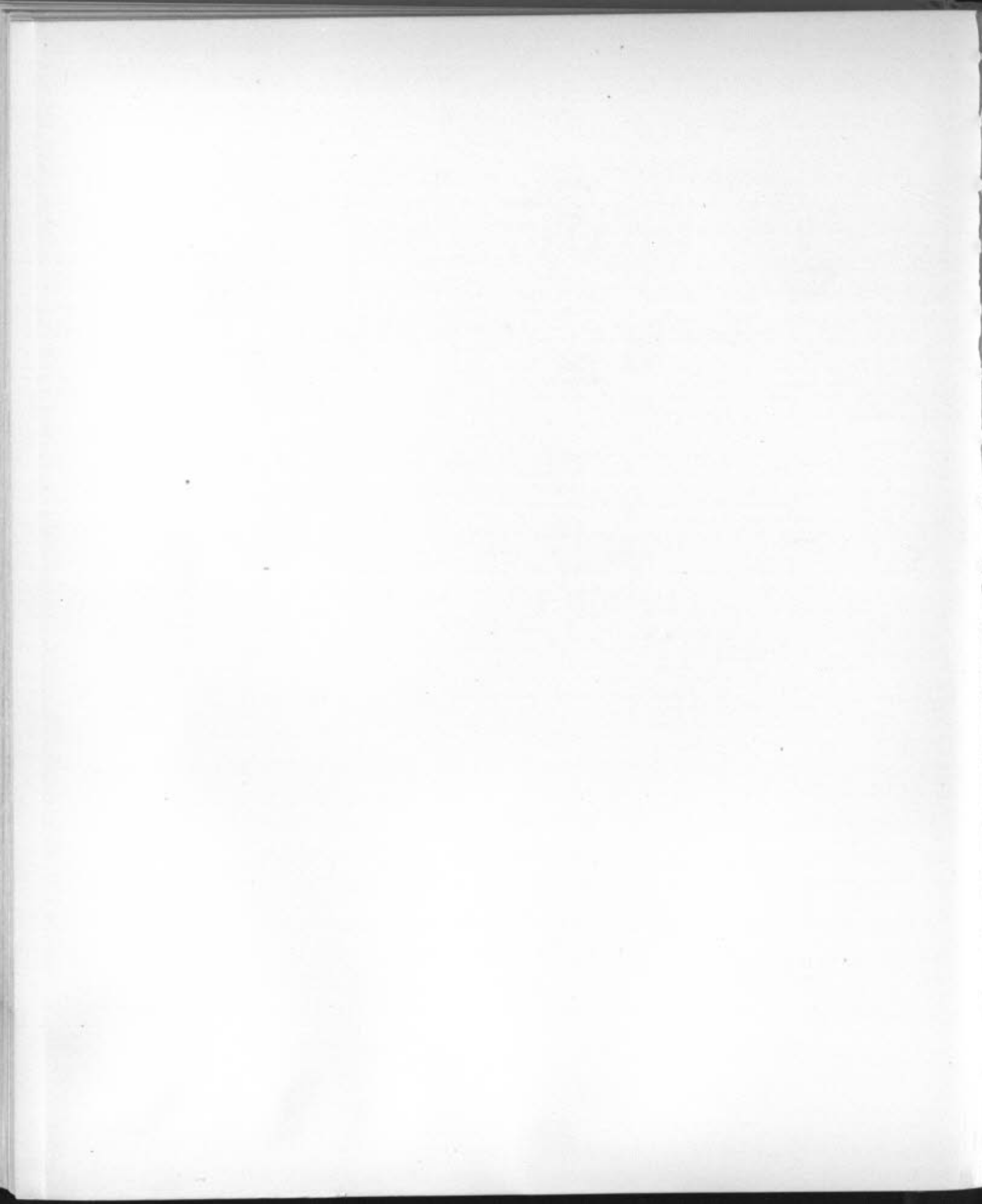
ARTHUR JAY FARNSWORTH.

HENRY JUDSON SAGE.

HOWARD VAN DOREN SHAW.

HARRY HILL THORNDIKE.







Alpha Delta Phi.

PRESCOTT O. CLARKE	Brown.
H. B. CLEMENT	Kenyon.

Delta Phi.

HAROLD A. RICHMOND	Sheffield Scientific, Yale.
EDWARD T. ROOTS	Brown.

Delta Upsilon.

LOUIS DERR	Amherst.
LINCOLN C. HEYWOOD	Brown.

Theta Nu Epsilon.

F. H. BRIGGS	University of Rochester.
B. L. FENNER	University of Rochester.
G. B. PIKE	Yale.

Kappa Alpha.

W. H. GRAVES	Cornell.
------------------------	----------

Phi Delta Theta.

JOHN ARTHUR ROGERS	N. W. University.
GEORGE L. WALKER	College of the City of New York.

Phi Kappa Psi.

HORACE BURROUGH, JR.	Maryland.
------------------------------	-----------

Psi Upsilon.

F. H. BRIGGS	University of Rochester.
B. L. FENNER	University of Rochester.
G. B. PIKE	Yale.
RUET CROMPTON TUTTLE	Trinity.

Sigma Alpha Epsilon.

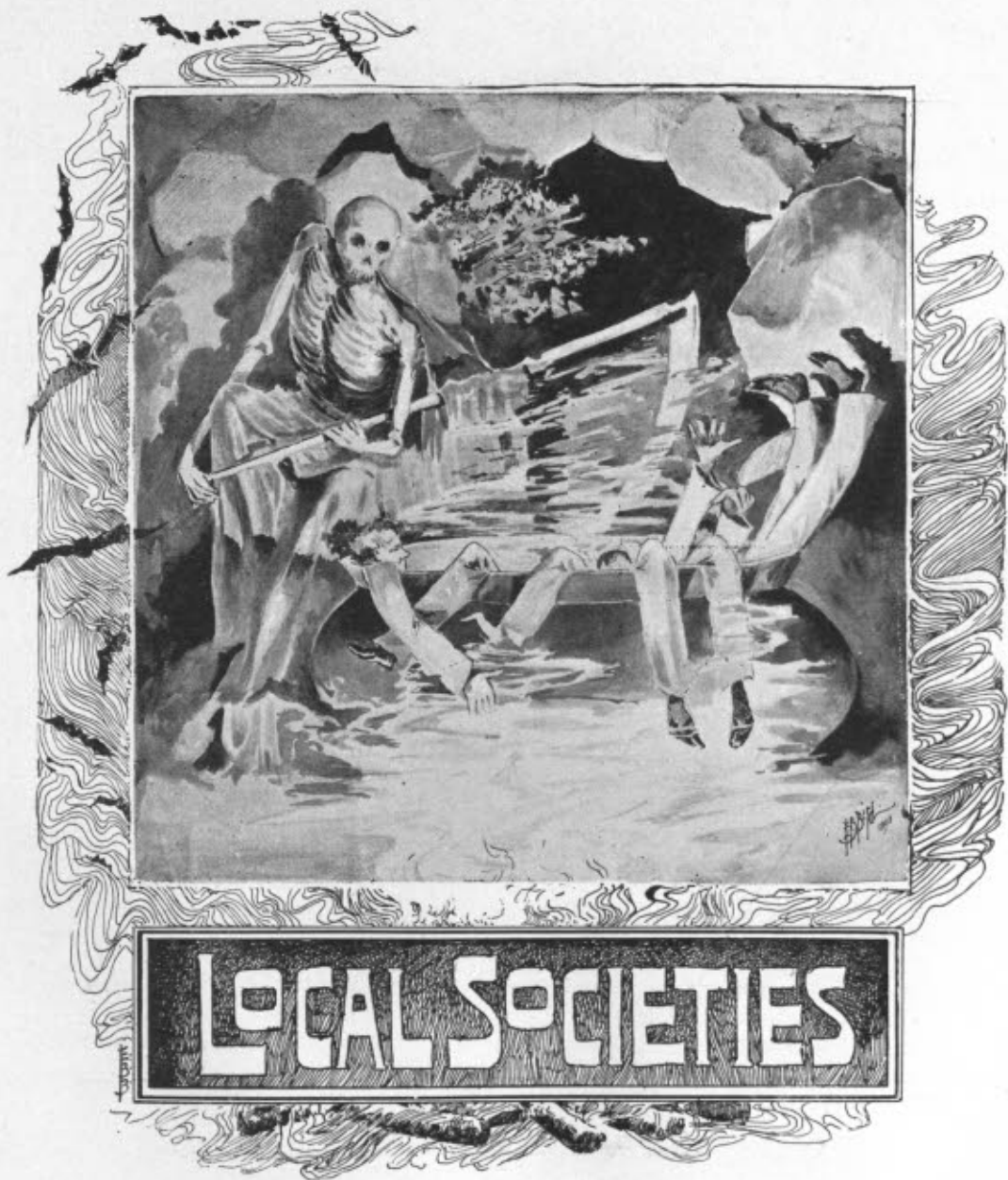
LOGAN FELAND	South Kentucky College.
W. M. SACKETT	Alleghany.

Fraternity Conventions.

SIGMA CHI	Washington, D. C., Nov. 27-29, 1890.
PHI GAMMA DELTA	Oct. 27-29, 1890.
DELTA TAU DELTA	Cleveland, Ohio, Aug. 23, 1889.
THETA DELTA CHI	New York City, Nov. 19-21, 1890.
CHI PHI	Nov. 13, 1890.
DELTA KAPPA EPSILON	New York City, Nov. 14, 1890.

Summary of Greek Letter Fraternities.

SIGMA CHI	21 Members.
THETA XI	18 "
PHI GAMMA DELTA	15 "
DELTA TAU DELTA	13 "
DELTA PSI	24 "
THETA DELTA CHI	13 "
CHI PHI	20 "
DELTA KAPPA EPSILON	18 "
OTHER FRATERNITIES REPRESENTED	16 "
TOTAL	158 "



2 G Society.

Officers.

President.

WILLIAM HASKINS.

Vice-President.

WILLIAM HUTCHINSON WESTON.

Secretary.

FREDERICK HALL HARVEY.

Treasurer.

CHARLES N. PALMER.

JOHN LUTHER HARRIS, G. K. T.

Members.

WILLIAM HASKINS.

WILLIAM HUTCHINSON WESTON.

FREDERIC HALL HARVEY.

CHARLES N. PALMER.

JOHN ROBERT STEVENSON.

JOHN LUTHER HARRIS.

JOSHUA DANIELL.

In Urbe.

ALLEN H. ROGERS, '90.

GEORGE A. SONNEMANN, '90.

ARTHUR R. NICHOLS, '87.

SIDNEY R. BARTLETT, '86.

TIMOTHY W. SPRAGUE, '87.

ARTHUR C. ANTHONY, '86.

WILLIAM H. CHADBURN, '86.

REDINGTON FISKE.

GEORGE H. GASTON.



K₂S.

Officers.

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Vice-President.

HERBERT EMERSON HATHAWAY.

Secretary.

GEORGE HENRY MAY.

Treasurer.

HERBERT RAYMOND MOODY.

Class of '91.

ARTHUR FORREST SHATTUCK.

HENRY TOWNSEND WEED.

ARTHUR CARLTON SMITH.

ARTHUR BATES STODDARD.

HERBERT EMERSON HATHAWAY.

ALEXANDER GEORGE McKENNA.

ERNEST ALBERT HERSAM.

HARRY WARREN JORDAN.

MILTON HENRY KAUFFMAN.

Class of '92.

ALBERT KINGSLEY CHURCH.

HERBERT RAYMOND MOODY.

GEORGE HENRY MAY.

In Urbe.

ARTHUR A. NOYES, '86.

ARTHUR J. CONNER, '88.

A. M. FORRISTALL, '89.

GEORGE W. FULLER, '90.

EDWIN O. JORDAN, '88.

JAMES W. CARTWRIGHT, '89.

W. R. WHITNEY, '90.

WALTER B. DOUGLASS, '91.

HARRY B. TAYLOR, '91.



Hammer and Tongs.

Officers.

President.

EDWARD CUNNINGHAM.

Vice-President.

EDGAR L. HAMILTON.

Secretary.

DOUGLAS A. CATER.

Treasurer.

GEORGE W. VAILLANT.

Class of '91.

EDGAR LOCKWOOD HAMILTON.

EDWARD CUNNINGHAM.

CHARLES FREDERICK HAMMOND.

GEORGE WIGHTMAN VAILLANT.

DOUGLAS Aymar CATER.

PHILIP MARQUAND.

WILLIAM CRARY DART.

WALTER BACON TROWBRIDGE.

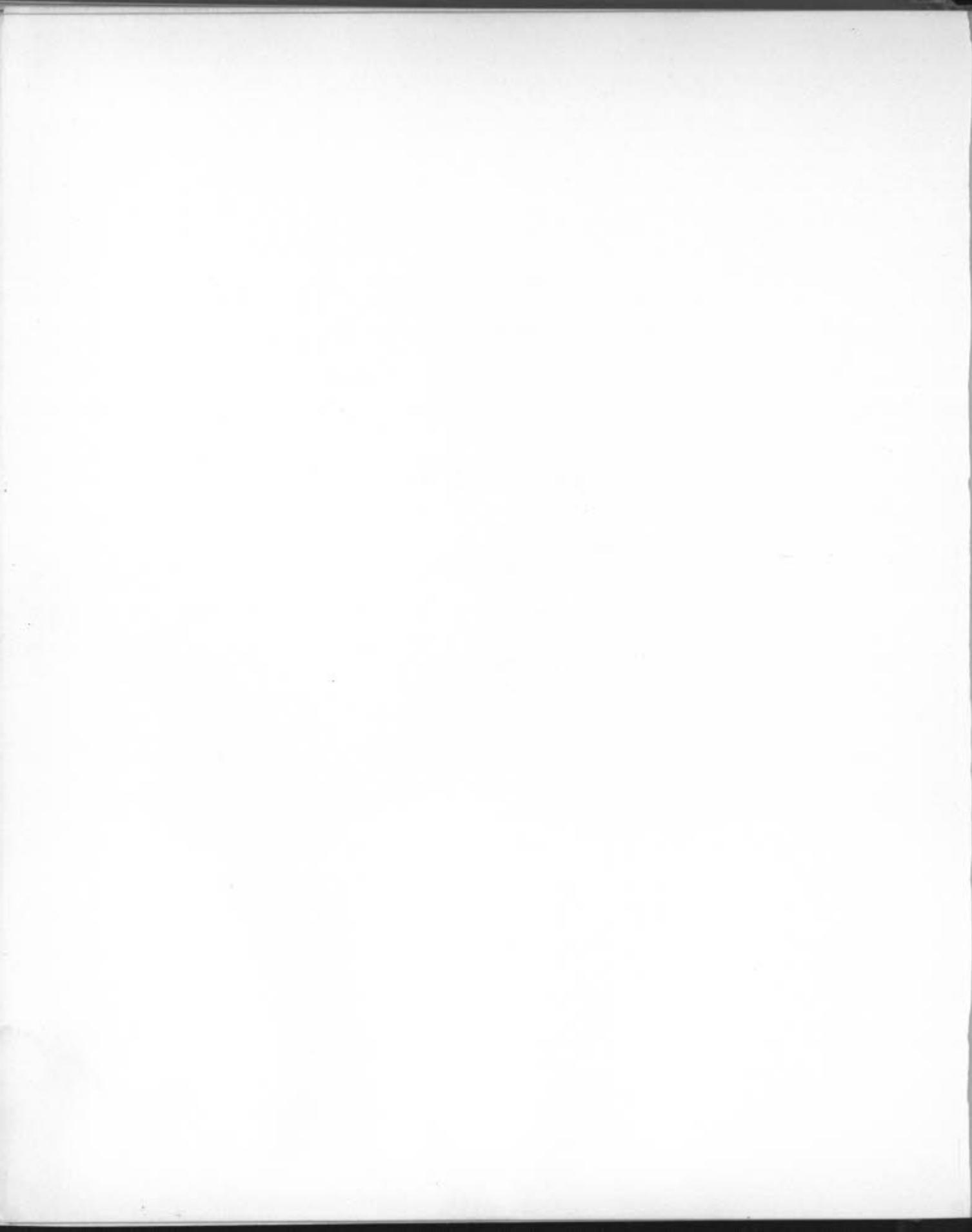
Class of '92.

ALLEN FRENCH.

FREDERICK HOPPIN HOWLAND.

JAMES PINCKNEY BUCKLEY.







HAMMER AND TONGS.

Dy Dx.

Members.

FREDERICK WALLACE BAKER.

ROBERT STEELE BALL.

FREDERICK CHAMBERS BLANCHARD.

JUAN CRISTOBAL BLUMÉ.

STEPHEN BOWEN.

GEORGE WILLIAM BRYDEN.

JEREMIAH CAMPBELL.

FREDERICK GRISWOLD COGGIN, JR.

GEORGE BLANCHARD GLIDDEN.

ALBERT SAMUEL GOTTLIEB.

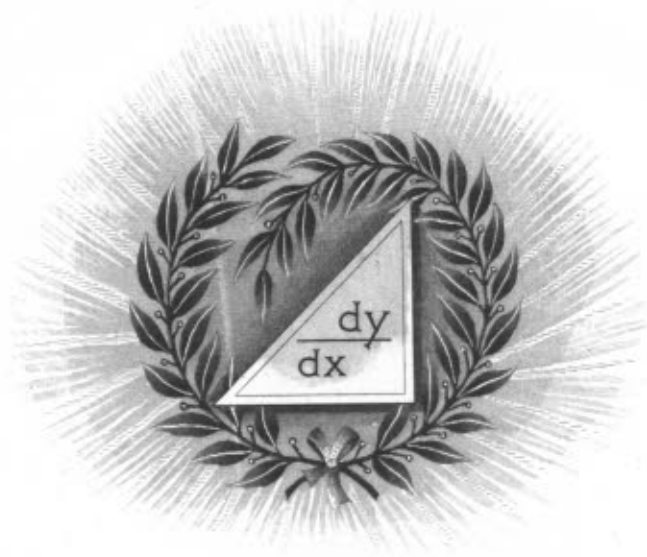
CHARLES FREDERICK KOCH.

JAMES SWAN.

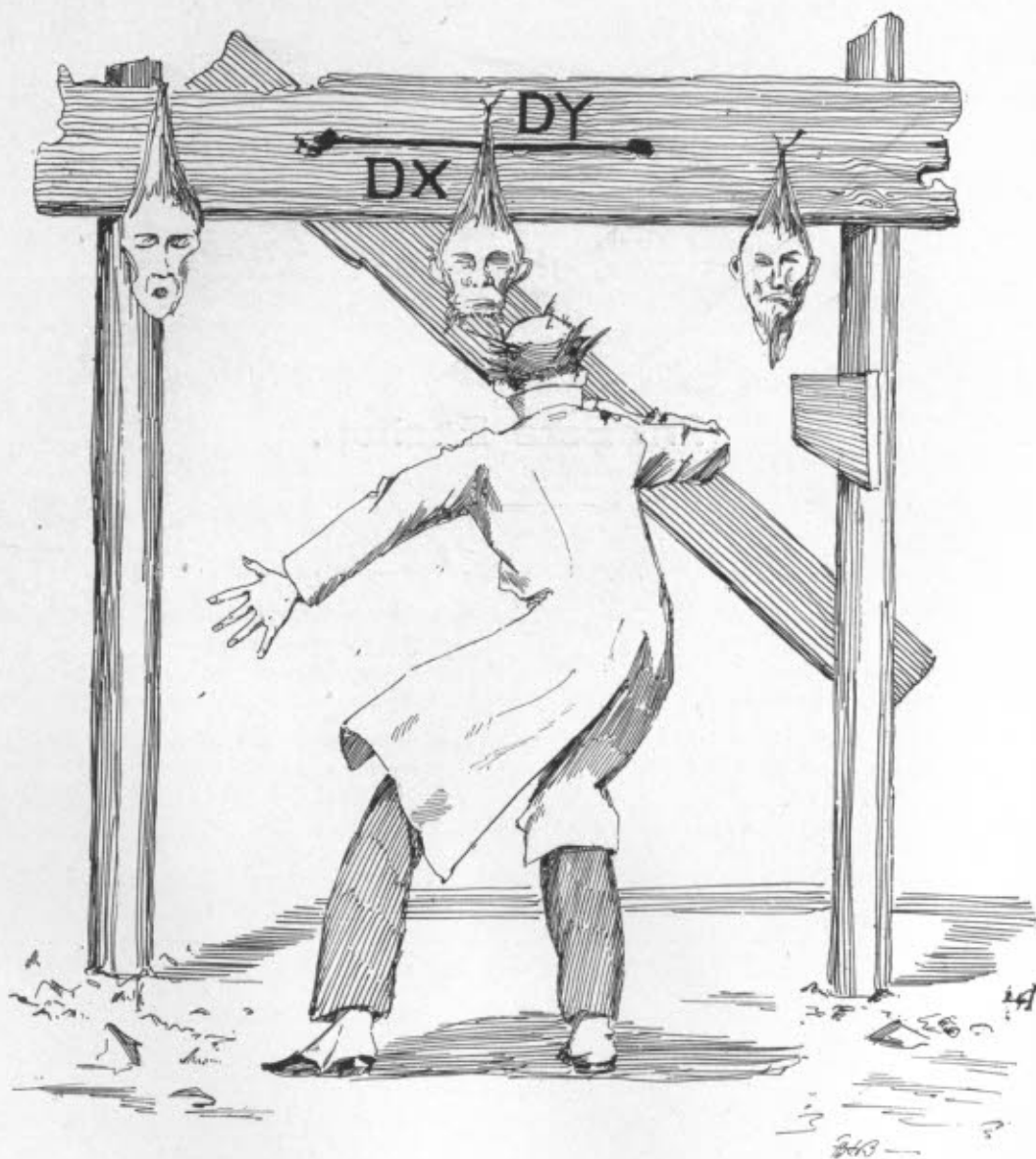
In Urbe.

GEORGE LEONARD GILMORE.

ATHERTON LORING.



John A. Lowell & Co. Boston.



Phi Beta Epsilon.

Members.

CHARLES WILSON AIKEN.
CARLOS ALBERTO BLUMÉ.
STEPHEN BOWEN.
HORACE LEWIS BRAND.
FRED ALLEN COLE.
HENRY ANTHONY FISKE.

LESTER GRAY FRENCH.
GEORGE MASON HAWES.
WALTER EDWIN HOPTON.
ARTHUR CHARLES LOTZ.
WILLIAM COOLIDGE THALHEIMER.
JOHN GIFFORD THOMPSON.





Officers.

President.
W. Z. RIPLEY.

Vice-President.
F. G. COGGIN, JR.

Official Trimmer.
T. H. SKINNER.

Members arranged according to the color of dyes.

<i>Ultra Red</i>	W. W. LOCKE
<i>Red</i>	H. W. JORDAN
<i>Orange</i>	W. Z. RIPLEY
<i>Yellow</i>	J. VAUGHN DENNETT
<i>Green</i>	L. R. NASH
<i>*Blue</i>	F. H. MESERVE
<i>†(?)</i>	A. L. GOETZMANN
<i>‡Violet</i>	F. G. COGGIN, JR.
<i>Ultra Violet</i>	J. C. BLUMÉ

Extract from the Constitution.

ART. II.—*Object*: The object of this Club shall be to promote, by all legitimate means, the growth of natural hair upon the face.

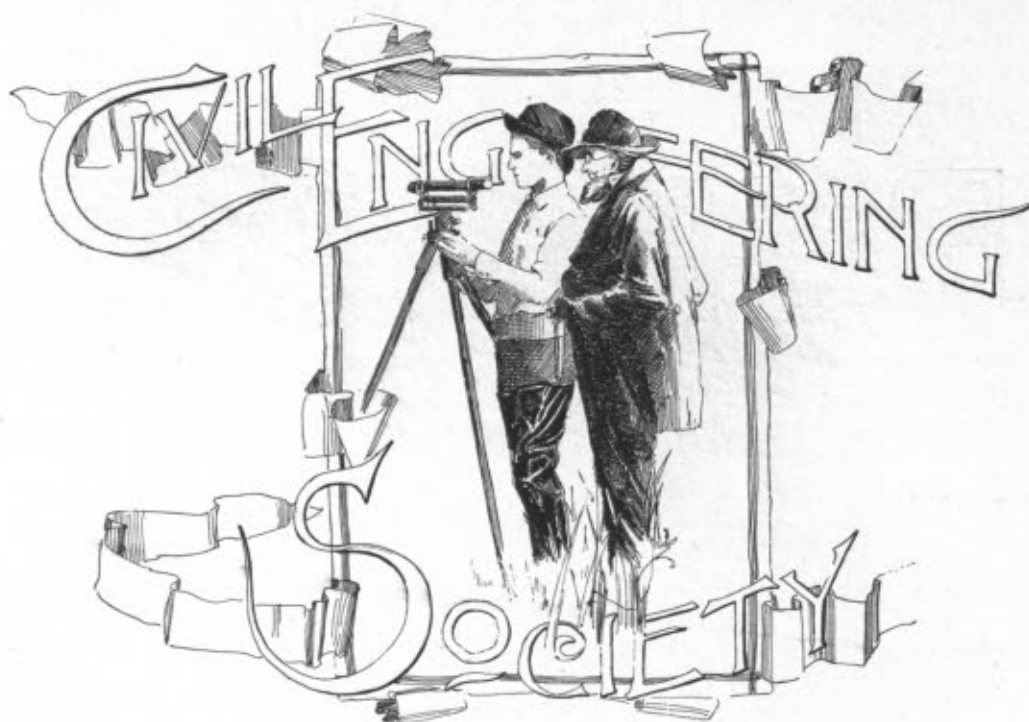
ART. III.—*Officers*: The President of the Club shall be he who produces the daintiest result in the line of the Club's effort. The Vice-President shall be he who produces the scrubbiest result. There shall be an Official Trimmer.

Official Measurements taken October 1st of each year.

*Photographs of Fatima to be had on application.

†First edition all gone save one whisker; this is reserved as a sample for the second edition.

‡Fell from grace November 8, 1890.



Officers.

President.

WILLIAM JACKSON ROBERTS, '90.

Vice-President.

MORRIS KNOWLES, 2D, '91.

Secretary.

ALBERT L. GOETZMANN, '92.

Treasurer.

LEONARD METCALF.

Executive Committee.

CHAS. F. HAMMOND.

JOEL G. BARRI.

FRANKLIN KNIGHT.

WILLIAM J. ROBERTS.

ALBERT L. GOETZMANN.

Honorary Members.

PRES. FRANCIS A. WALKER.

PROF. GEO. F. SWAN.

ASST. PROF. DWIGHT PORTER.

ASST. PROF. ALFRED E. BURTON.

ASST. PROF. ARTHUR G. ROBBINS.

ARTHUR G. ROBBINS.

JAMES H. STANWOOD.

Civil Engineering Society.

Members.

C. C. BABB.	W. A. HARWOOD.	J. K. NOYES.
H. E. BALDWIN.	SCHUYLER HAZARD.	A. J. OBER.
J. G. BARRI.	L. C. HEYWOOD.	AMBROSE PACKARD.
R. G. BISSELL.	W. F. KEENE.	N. T. PARASCHOS.
H. C. BRADLEY.	F. H. KENDALL.	WALKER W. PATCH.
E. H. BROWNELL.	F. A. KENNICOTT.	WILLIAM W. PEABODY.
H. B. BURLEY.	FRANKLIN KNIGHT.	F. DE M. PINTO.
G. A. CAMPBELL.	MORRIS KNOWLES, 2D.	W. B. POLAND.
C. V. CARLTON.	AUGUSTUS F. KNUDSEN.	MARCY S. POPE.
L. J. CARMALT.	ELISHA LEE.	D. M. PRATT.
F. L. CHASE.	W. W. LOCKE.	W. Z. RIPLEY.
RICHARD D. CHASE.	M. J. LOOK.	W. T. ROBERTS.
F. H. CILLEY.	P. M. LYNCH.	G. F. ROWELL.
C. P. COGSWELL, JR.	G. B. MCCONNELL.	R. L. RUSSELL.
CARY CONGDON.	F. A. McDONALD.	ALBERT F. SARGENT, JR.
J. G. CRANE.	E. G. MANAHAN.	ROBERT F. SAUNDERS.
J. A. CURTIN.	L. B. MANLEY.	P. W. SHAW.
W. G. CURTIS.	CLEMENT MARCH.	C. W. SHERMAN.
H. C. DAGGETT.	PHILIP MARQUAND.	L. K. SHERMAN.
GORHAM DANA.	G. A. MAY.	FENWICK F. SKINNER.
C. E. DAVIS.	G. A. MERRILL.	CHAS. M. SPOFFORD.
ARTHUR W. DEAN.	LEONARD METCALF.	W. J. SWANTON.
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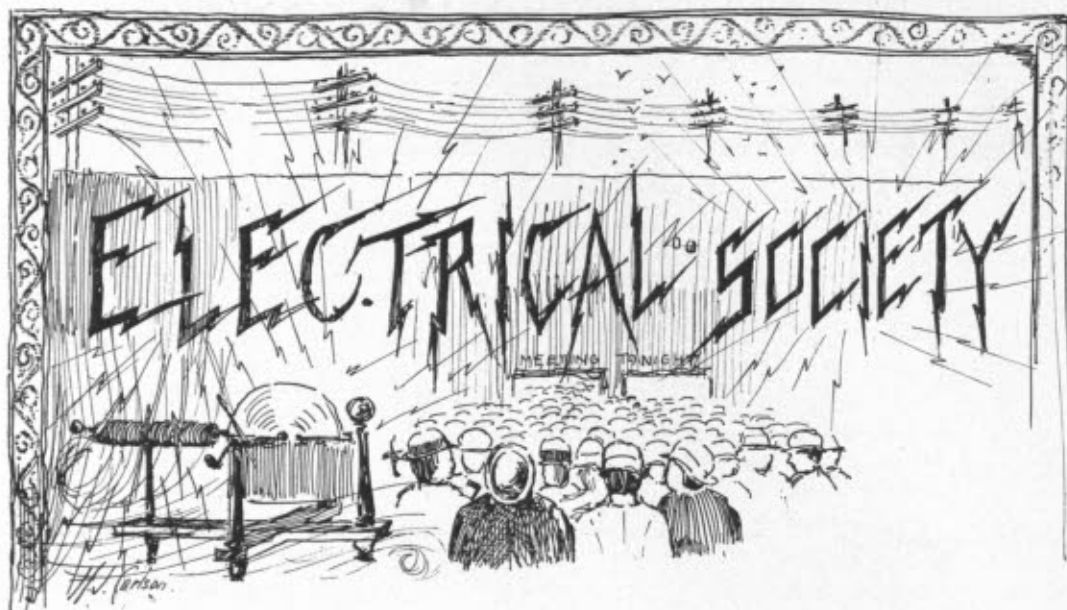
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The Society was organized solely to promote the comfort and the pecuniary welfare of the students. With this end in view the income is devoted to the support of the Co-operative Scholarship, given each year to some promising and needy student at the Institute. A book exchange has been established, where members may buy or dispose of second-hand books at reasonable rates. Members receive discounts of from ten to fifty per cent on goods bought from "affiliated tradesmen."

The officers of the Society are elected at the general meeting, held on the 1st of April, and serve for one year without remuneration. The Society was never in a more flourishing condition than at present, and it is hoped that in the future two scholarships may be maintained.



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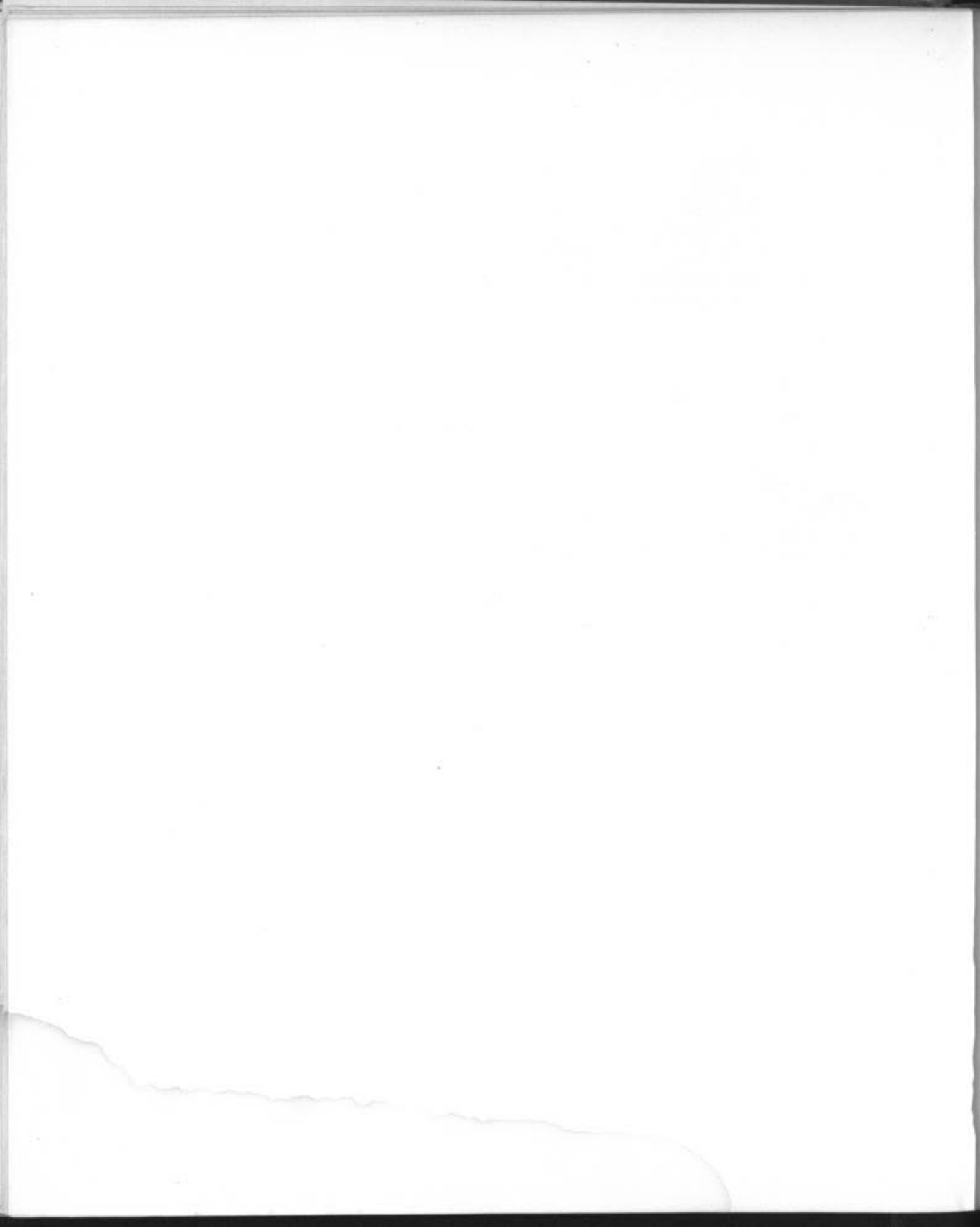
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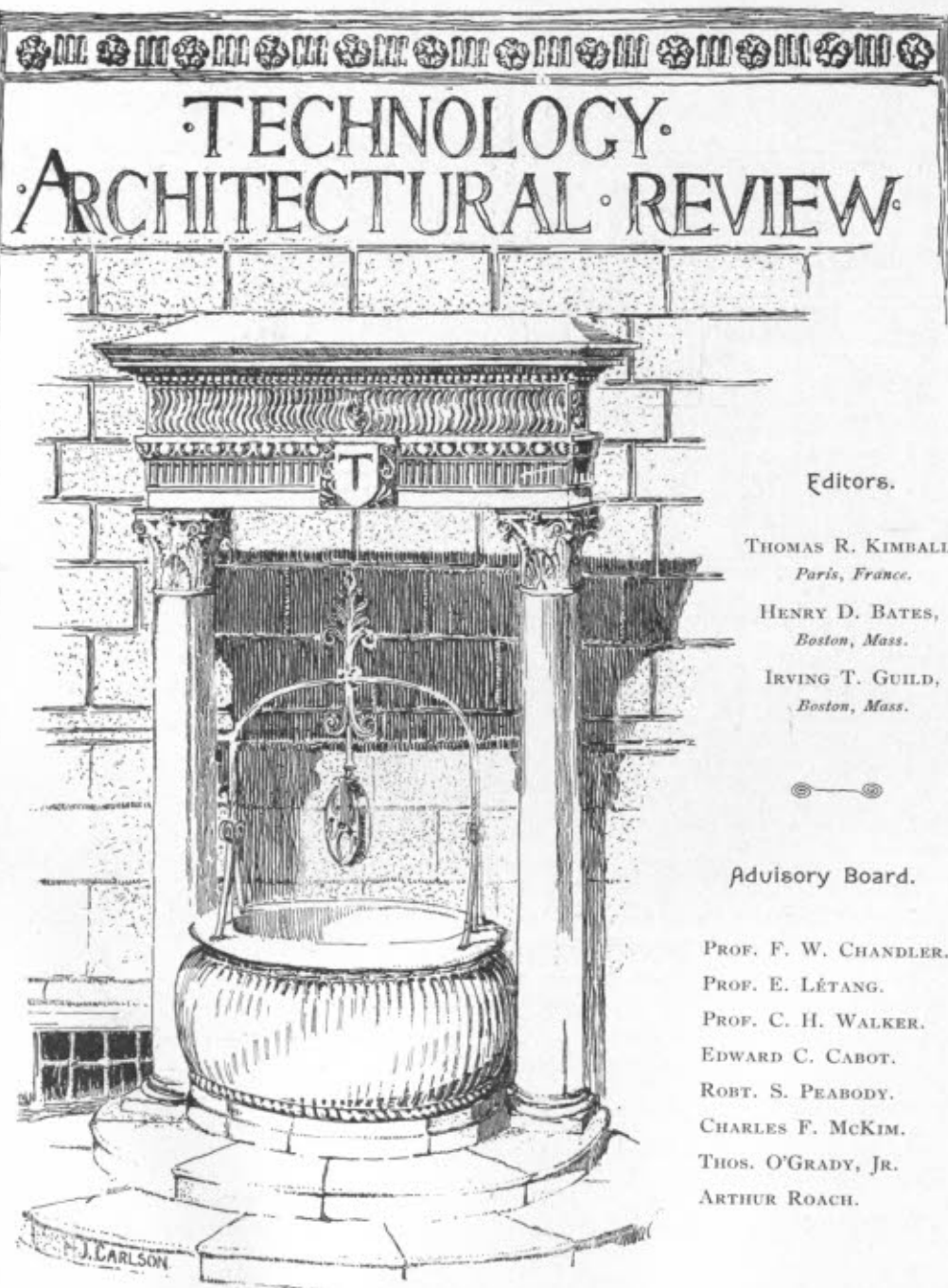
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THE *Technology Quarterly* is a scientific journal representative of the work carried on at the Massachusetts Institute of Technology. Two volumes have already been issued under the management of an association of the students of the Institute; but to insure greater permanence than is possible under a changing Board of Editors, the *Quarterly* has been placed in other hands. In succeeding volumes, the four numbers will be issued in February, May, August, and November.

It is intended that each number shall contain articles of permanent value in the various departments of scientific investigation,—in Mathematics, Engineering, Physics, Chemistry, Geology, Biology, Zoölogy, History, Philology, Economics, etc.

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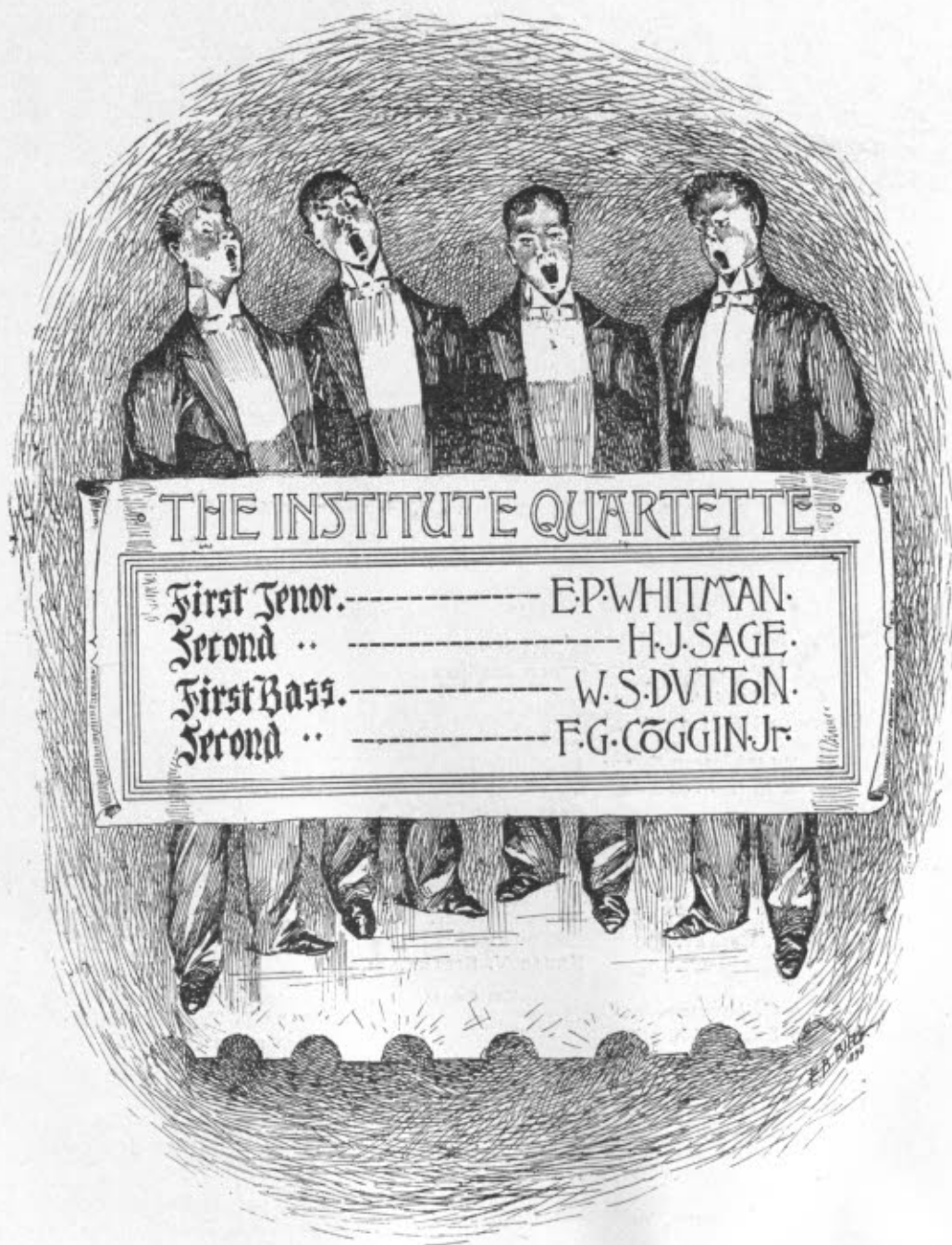
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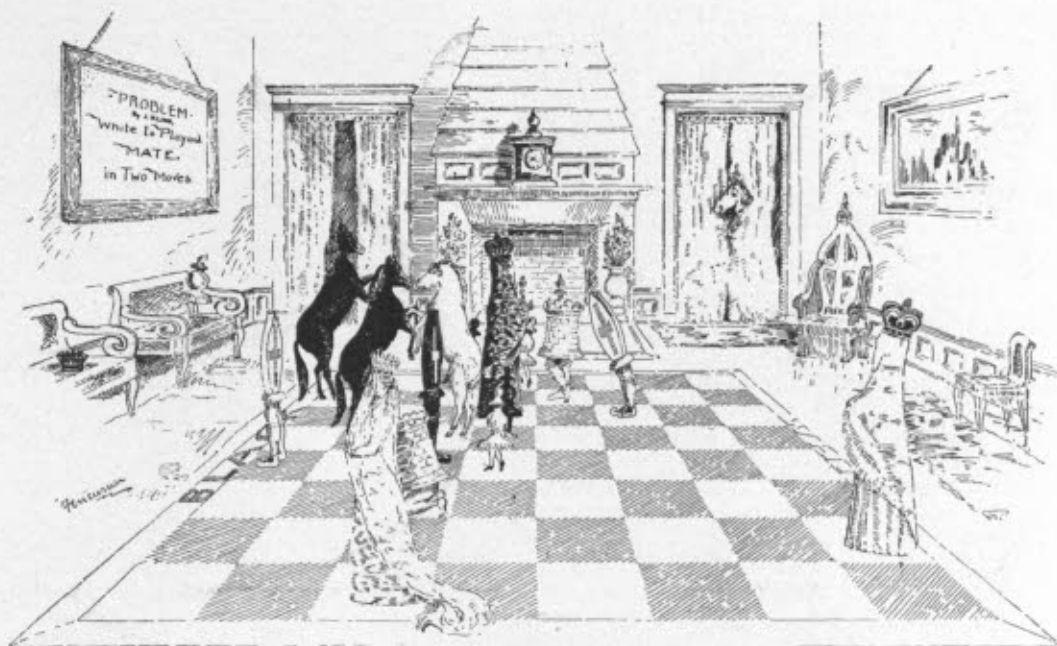
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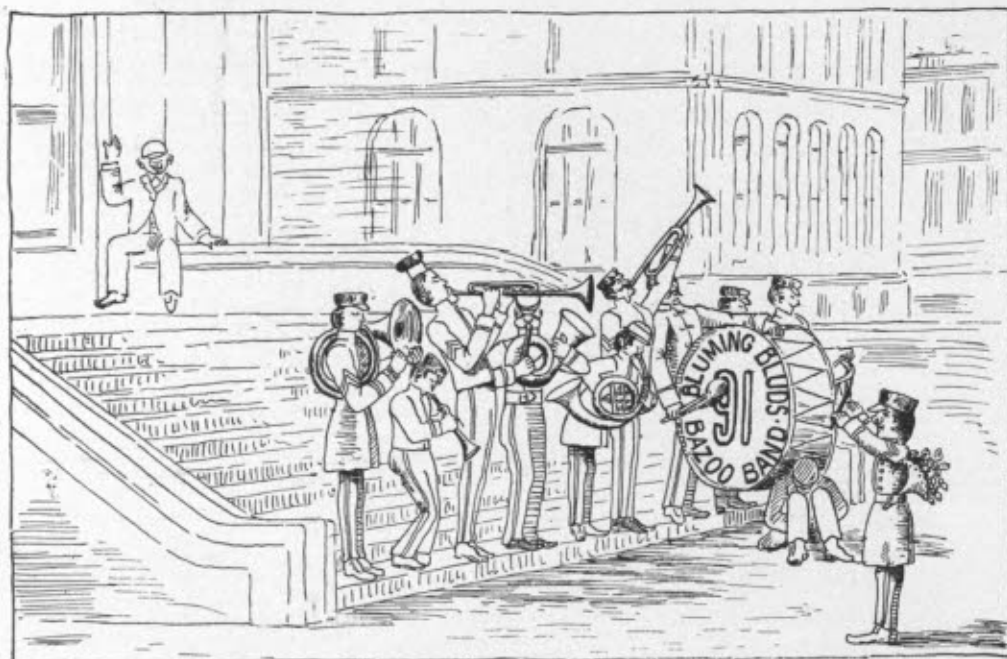
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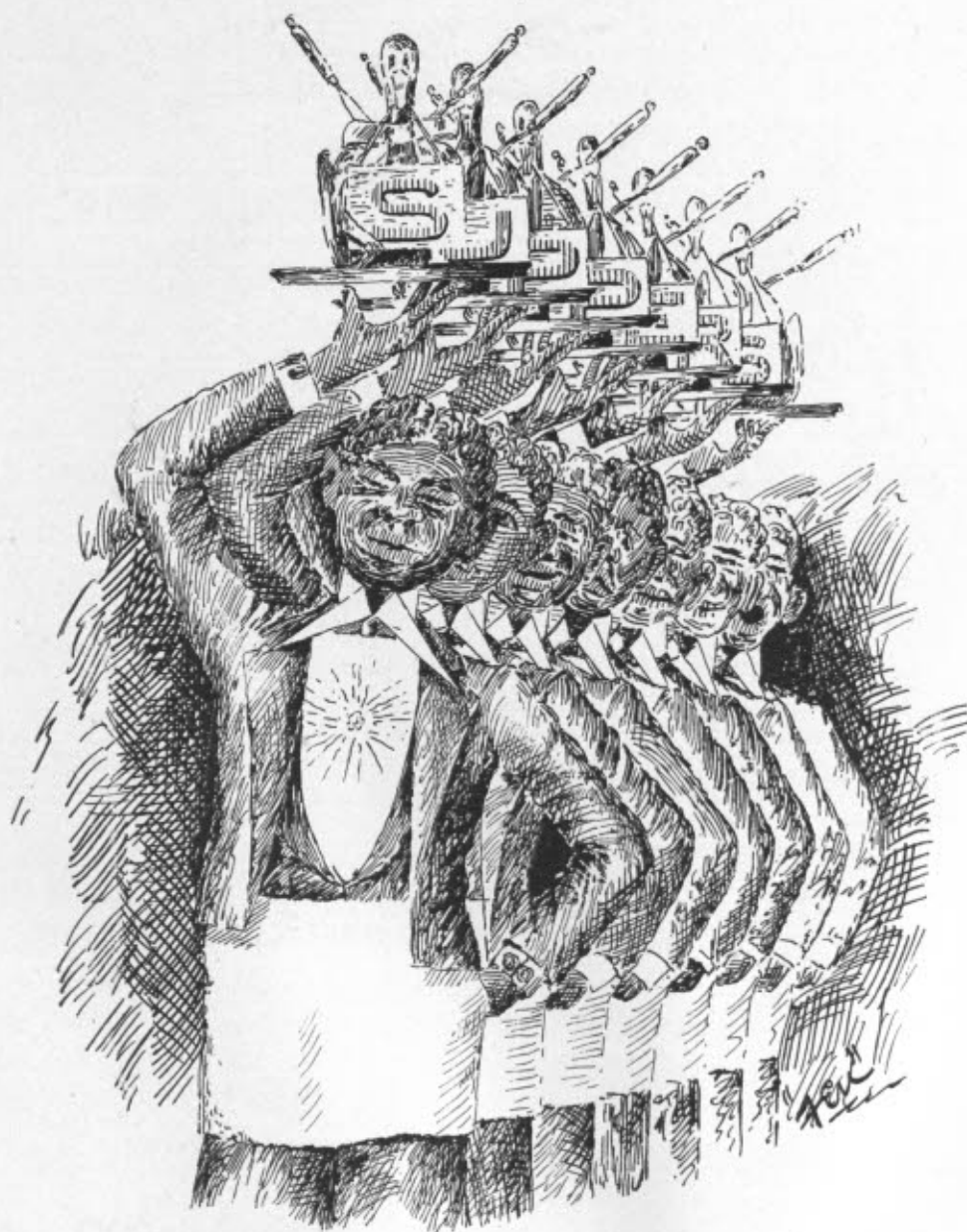
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PARKER HOUSE
DEC. 31ST '89



ME'N YOU.

OYSTERS À LA MOON ISLAND.

SOUP.

MELLIN'S FOOD.

IMPERIAL GRANUM.

SOUP WILL BE SERVED IN SPONGES.

FISH.

FISHHOOKS GARNISHED WITH WORMS.

FISH-PLATES OILED.

SUCKERS FRIED À LA TUGBOAT.

REMOVES.

COLD BEEF, RARE.

BEEF ON THE SAME.

ENTREES.

COLD TRIPE.

VEGETABLE HASH.

MUSTARD.

SAUER KRAUT.

MACARONI STUFFED WITH WATER.

DOUGHNUTS, LARDED.

BUTTER, BREADED.

LAMPWICKS IN CREAM.

RELEVÉS.

LUKE-WARM WATER.

TARTAR EMETIC.

SWEETS.

NEW ORLEANS MOLASSES.

SILVER DRIP.

LOAF SUGAR.

GRANULATED SUGAR.

FROZEN GALL.

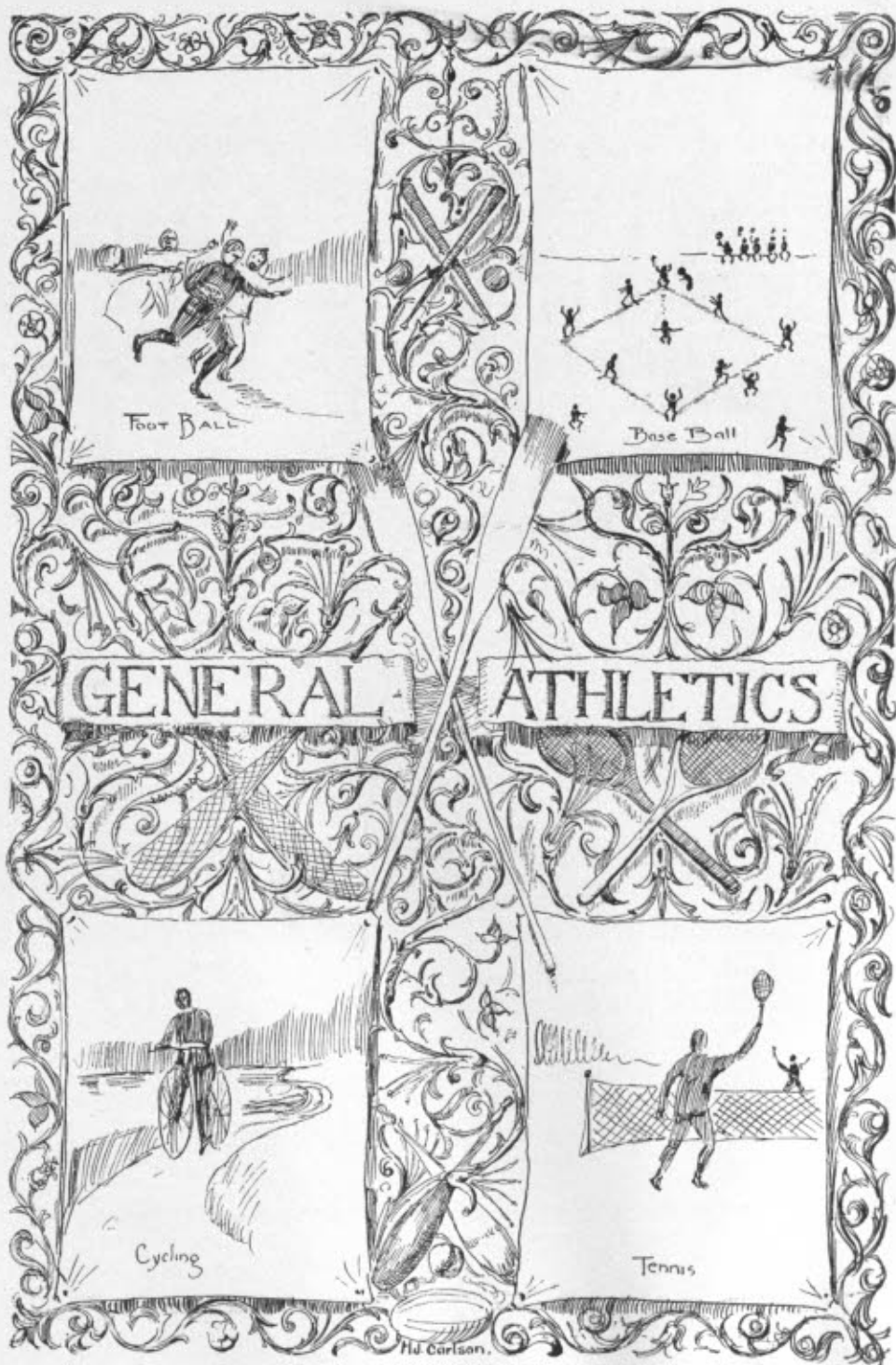
DESSERT.

WATER, ICED.

POSTPONED DATES.

DRIED APPLES.

Carriages should be called at 7.30, P. M., to convey minors to the bosom of their families; ambulances at 7.45 to furnish conveyance for the remainder.





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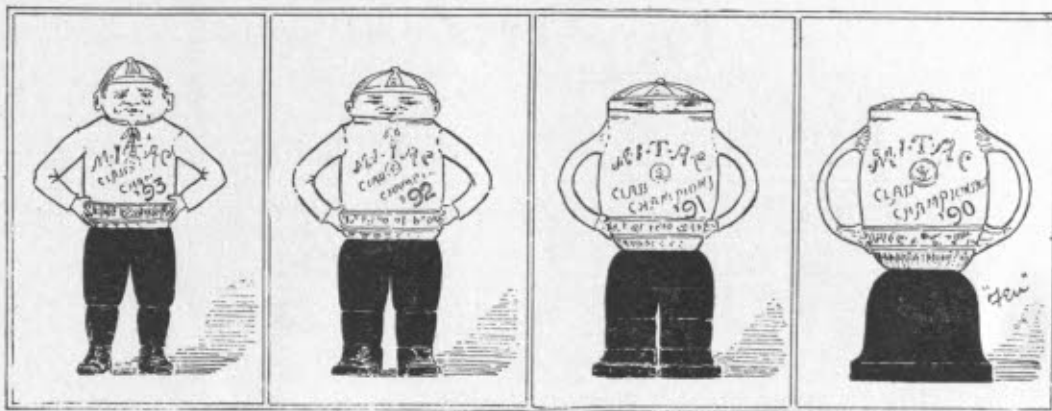
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Ninth Indoor Winter Meeting.

SATURDAY, DECEMBER 14, 1889.

<i>Fence Vault (Handicap)</i> 6 ft. 7½ in. (4 in.) J. C. E. DE BULLET, '90.
<i>Running High Kick</i>	. . . . . 9 ft. 1 in.	. . . . . C. D. HEYWOOD, '93.
<i>Running High Jump</i>	. . . . . 5 ft. 6 in.	. . . . . R. W. CONANT, '91.
<i>Standing High Jump</i>	. . . . . 4 ft. 9 in.	. . . . . R. W. CONANT, '91.
<i>Putting Shot (16 lbs.)</i>	. . . . . 35 ft. 3 in.	. . . . . J. C. E. DE BULLET, '90.
<i>Fencing</i>	. . . . .	. . . . . R. H. BEATTIE, '93.
<i>Feather-weight Sparring</i>	. . . . .	. . . . . J. L. BATCHELDER, JR., '90.
<i>Light-weight Sparring</i>	. . . . .	. . . . . J. L. BATCHELDER, JR., '90.
<i>Middle-weight Sparring</i>	. . . . . (draw)	. . . . . { G. T. ATKINSON, '90. S. W. WEIS, '92.
<i>Heavy-weight Sparring</i>	. . . . .	. . . . . F. H. HARVEY, '92.

'90 won	. . . . . 14 points.
'91 won	. . . . . 5 points.
'92 won	. . . . . 7 points.
'93 won	. . . . . 5 points.

△ △ 12TH ANNUAL △ △
OPEN SPRING MEETING.

THIS MEETING DID NOT OCCUR.

WHY?

The Honorables, the Aldermen of Boston, would not permit it.

WHY?

Because the H's, the A. of B., could not approve it.

WHY?

Because the H's, the A. of B., were not on the
Free List.

See Record.

WHY?

Because they can't get *something* for
nothing.*

* *See Dewey!*

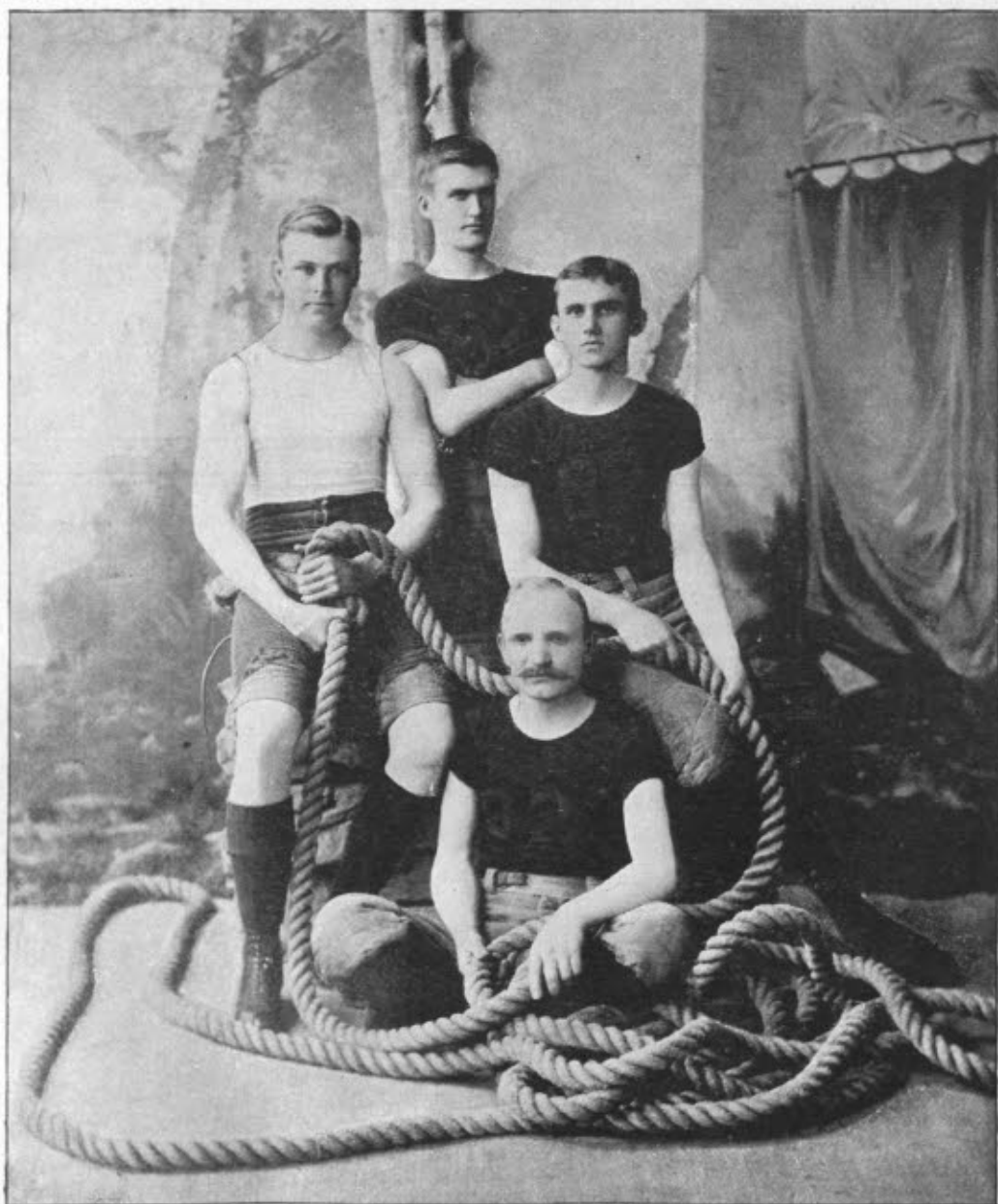
SEE, DEWEY?



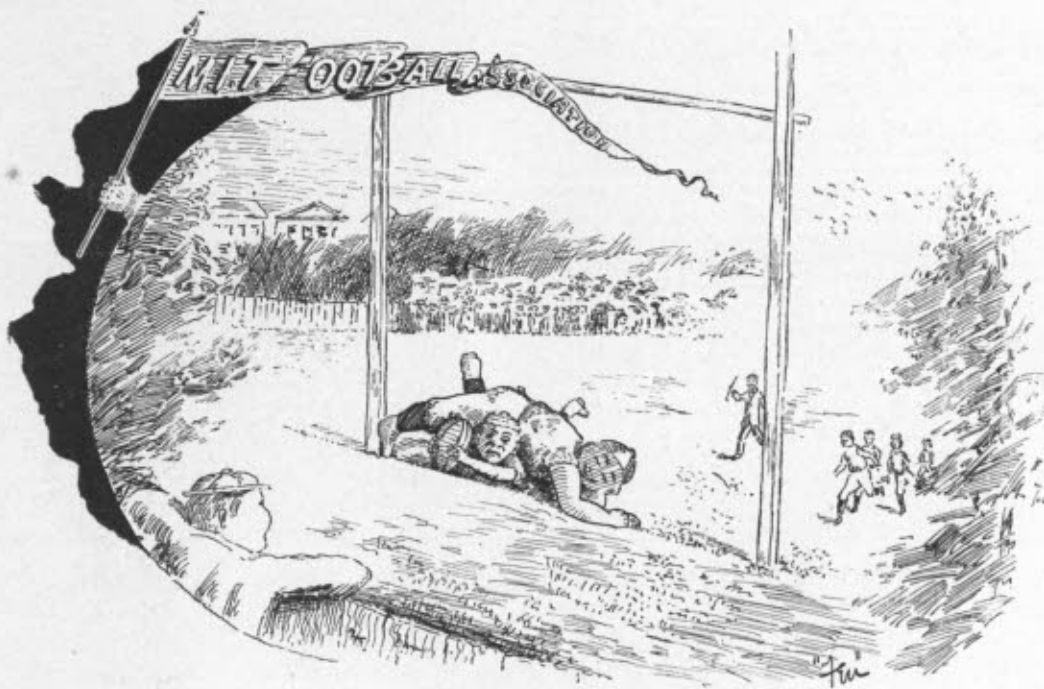
READVILLE, MAY 3, 1890.

<i>50-Yards Dash</i>	6 s.	C. E. BUCHHOLZ, '92.
<i>100-Yards Dash</i>	11 s.	C. E. BUCHHOLZ, '92.
<i>220-Yards Dash</i>	25 s.	T. SPENCER, '91.
<i>440-Yards Dash</i>	55½ s. (Record)	T. SPENCER, '91.
<i>One-Half-Mile Run</i>	2 m. 14 s.	J. L. BATCHELDER, JR., '90.
<i>One-Mile Run</i>	5 m. 11 s.	J. L. BATCHELDER, JR., '90.
<i>One-Mile Walk</i>	8 m. 5½ s. (Record)	A. H. ALLEY, '91.
<i>220-Yards Hurdle</i>	31 s. (Record)	G. K. DEARBORN, '93.
<i>Running Broad Jump</i>	17 ft. 64 s.	F. S. VIELÉ, '91.
<i>Standing Broad Jump</i>	9 ft. 9 in.	L. C. WASON, '90.
<i>Throwing Hammer (16 lbs.)</i>	67 ft. (Record)	J. M. FERRIDAY, '92.

'90 won	11 points.
'91 won	14 points.
'92 won	9 points.
'93 won	3 points.



'92 TUG-OF-WAR TEAM.



1891.

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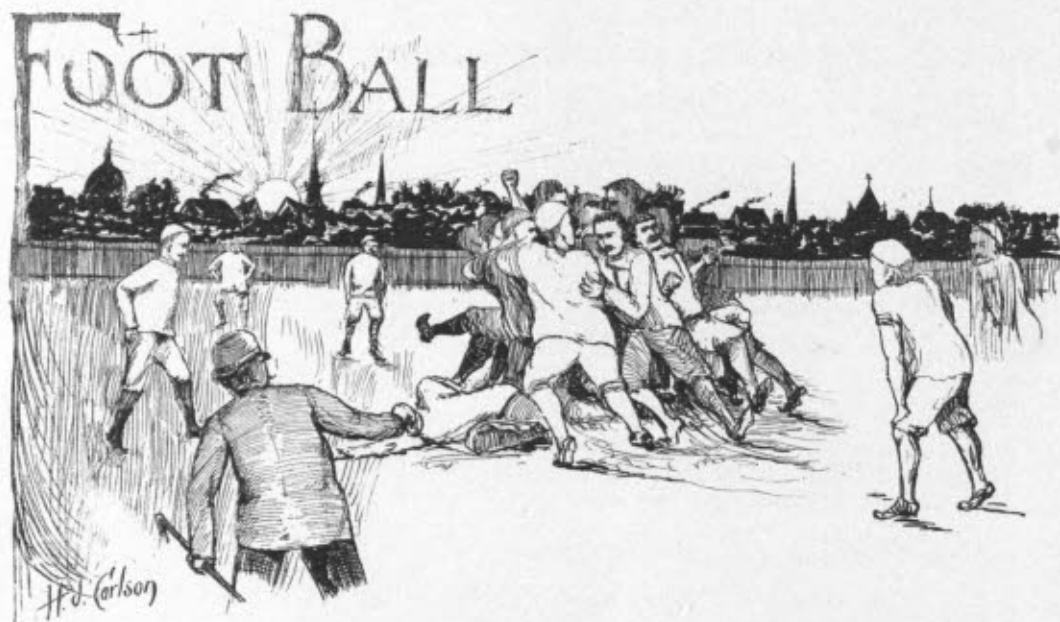
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Summary of Games.

1. Boston, October 4th.—B. A. A. *vs.* Technology.

Rushers: KALES, VORCE, HIGHLANDS, WEIS, BEATTIE (SUTTON), BATCHELLER, GILBERT.
 Quarter-back: CLARKE. Half-backs: GERMER (Capt.), FOSS; Full-back: SLADE. Score:
 B. A. A., 4; TECHNOLOGY, 6.

2. Boston, October 8th.—Brown University *vs.* Technology.

Rushers: GILBERT, ROBERTS, HARVEY, ANNANDALE (WEIS), HIGHLANDS, BURROUGHS
 (VORCE), KALES. Quarter-back: CLARKE. Half-backs: GERMER (Capt.); WEIS (FOSS). Full-
 back: WALKER. Score: BROWN UNIVERSITY, 8; TECHNOLOGY, 10.

3. Andover, Mass., October 11th.—Andover *vs.* Technology.

Rushers: KALES, BATCHELLER, HIGHLANDS, WEIS, HARVEY, ROBERTS, GILBERT. Quarter-
 back: CLARKE. Half-backs: WHITING, FOSS. Full-back: GARRISON. Score: ANDOVER, 11;
 TECHNOLOGY, 4.

TECHNIQUE.

4. Fall River, Mass., October 18th.—Fall River *vs.* Technology.

Rushers: VORCE, BURROUGHS, SUTTON, HIGHLANDS, BATCHELLER, BEATTIE, GREER, KALES. Quarter-back: CLARKE. Half-backs: GERMER (Capt.), WEIS. Full-back: ANDREWS. Score: FALL RIVER, 0; TECHNOLOGY, 0.

5. Boston, October 25th.—Exeter *vs.* Technology.

Rushers: NOBLIT, WEIS, BEATTIE, JOHNSON, HIGHLANDS, VORCE (HAMMOND), KALES (Capt.). Quarter-back: CLARKE. Half-backs: SUTTON, STEARNS. Full-back: ANDREWS. Score: EXETER, 0; TECHNOLOGY, 46.

6. Exeter, N. H., October 29th.—Exeter *vs.* Technology.

Rushers: NOBLIT, VORCE, HARVEY, HAMMOND, HIGHLANDS, WEIS, KALES (Capt.). Quarter-back: CLARKE. Half-backs: CHASE, ANDREWS. Full-back: CRANE. Score: EXETER, 6; TECHNOLOGY, 21.

7. Boston, November 1st.—Amherst *vs.* Technology.

Rushers: NOBLIT, WEIS, BEATTIE, HAMMOND, HIGHLANDS, VORCE, KALES (Capt.). Quarter-back: CLARKE. Half-backs: MEAD, ANDREWS. Full-back: CRANE. Score: AMHERST, 38; TECHNOLOGY, 4.

8. Andover, November 5th.—Andover *vs.* Technology.

Rushers: NOBLIT, WEIS (NASH) (HAMMOND), BEATTIE, HAMMOND (JOHNSON), BROOKS, VORCE, BURROUGHS. Quarter-back: CLARKE. Half-backs: SUTTON (WEIS), CHASE (WARDNER). Full-back: ANDREWS (CHASE). Score: ANDOVER, 24; TECHNOLOGY, 0.

9. Boston, November 8th.—Williams *vs.* Technology.

Rushers: VORCE, LOOK, HIGHLANDS (Capt.), HAMMOND, BEATTIE, WEIS, NOBLIT. Quarter-back: CLARKE. Half-backs: ANDREWS, CHASE. Full-back: CRANE. Score: WILLIAMS, 36; TECHNOLOGY, 0.



WILLIAMS.
BURROUGH.
NOBLIT.

BEATTIE.
HARVEY.
CLARKE.

HIGHLANDS.
KALES.
CHASE.

LOOK.
VORCE.

ANDREWS.

CRANE.

SUTTON.
WEIS

'Varsity FOOT BALL ELEVEN.

Eastern Intercollegiate Foot Ball League.

Officers.

President.

F. W. LAKEMAN, *Dartmouth.*

Vice-President.

H. C. CROCKER, *Amherst.*

Secretary.

E. CHILDS, *Williams.*

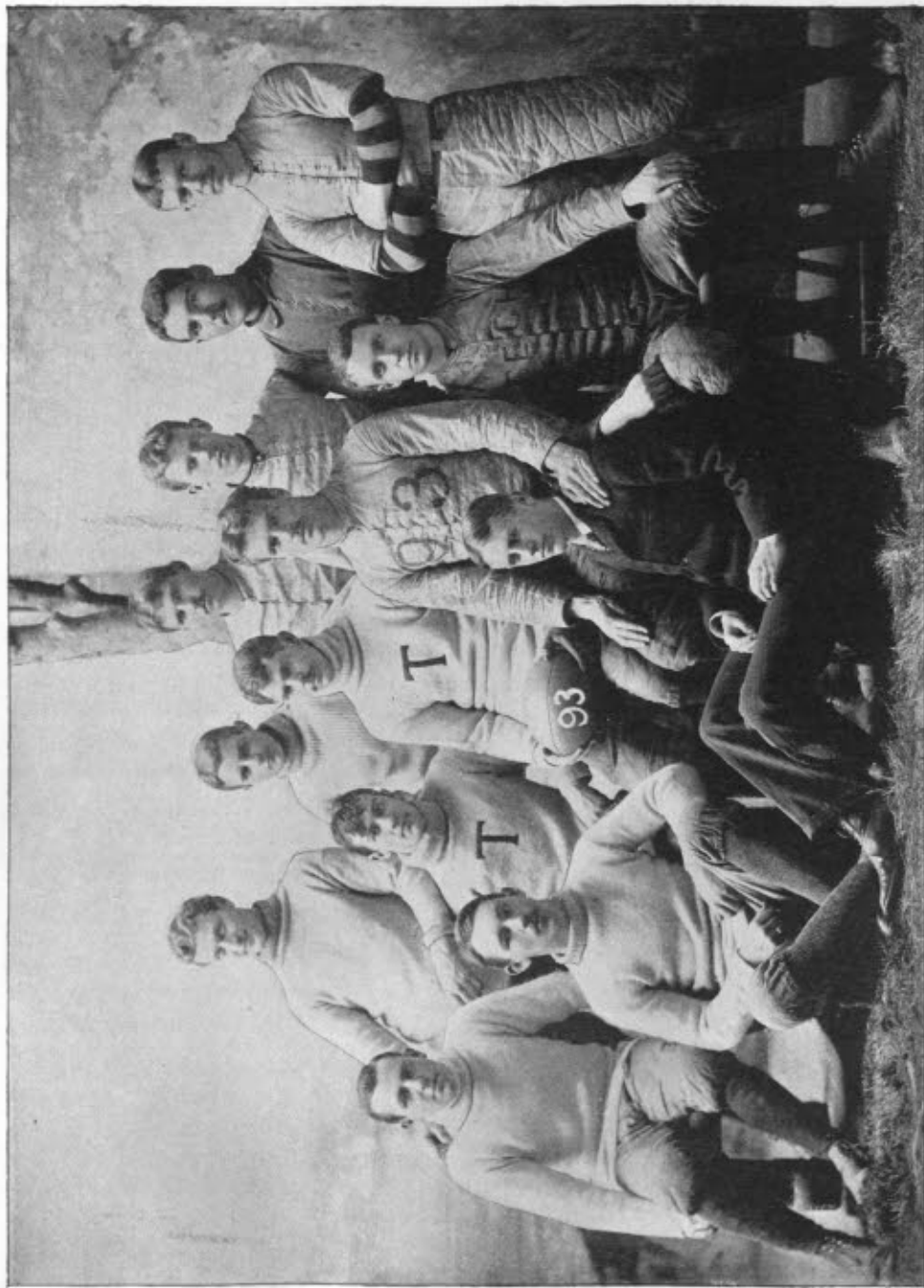
Treasurer.

H. N. WILLIAMS, *Institute of Technology.*

Championship Games.

AMHERST	38	TECHNOLOGY	4	Boston, November 1.
DARTMOUTH	42	BOWDOIN	0	Hanover, November 1.
WILLIAMS	50	BOWDOIN	0	Portland, November 4.
WILLIAMS	36	TECHNOLOGY	0	Boston, November 8.
AMHERST		BOWDOIN*		
DARTMOUTH		TECHNOLOGY*		
WILLIAMS	6	AMHERST	0	Williamstown, November 15.
AMHERST	4	DARTMOUTH	0	Amherst, November 19.
WILLIAMS	6	DARTMOUTH	0	Williamstown, November 21.
TECHNOLOGY*		BOWDOIN		

*Forfeited.



SIMMONS. WHITING. DEARBORN. NOBLIT. TANTOR. LORD. BEATTIE. BURROUGH.
 VORCE. BROOKS. ANDREWS. GORHAM.

'93 FOOT BALL ELEVEN.

'93 Foot Ball Eleven.

	Rushers.	
BURROUGHS	<i>Ends</i>	VORCE.
SIMONS	<i>Tackles</i>	BOYD.
BEATTIE	<i>Guards</i>	BROOKS.
TAINTOR, <i>Centre</i> .		

Quarter-back.
NOBLIT, *Captain*.

DEARBORN.	Half-backs.	WHITING.
	Full-back.	
ANDREWS.		

HOPKINSON vs. '93	16-0
ENGLISH HIGH SCHOOL vs. '93	6-0
'94 vs. '93.	4-8

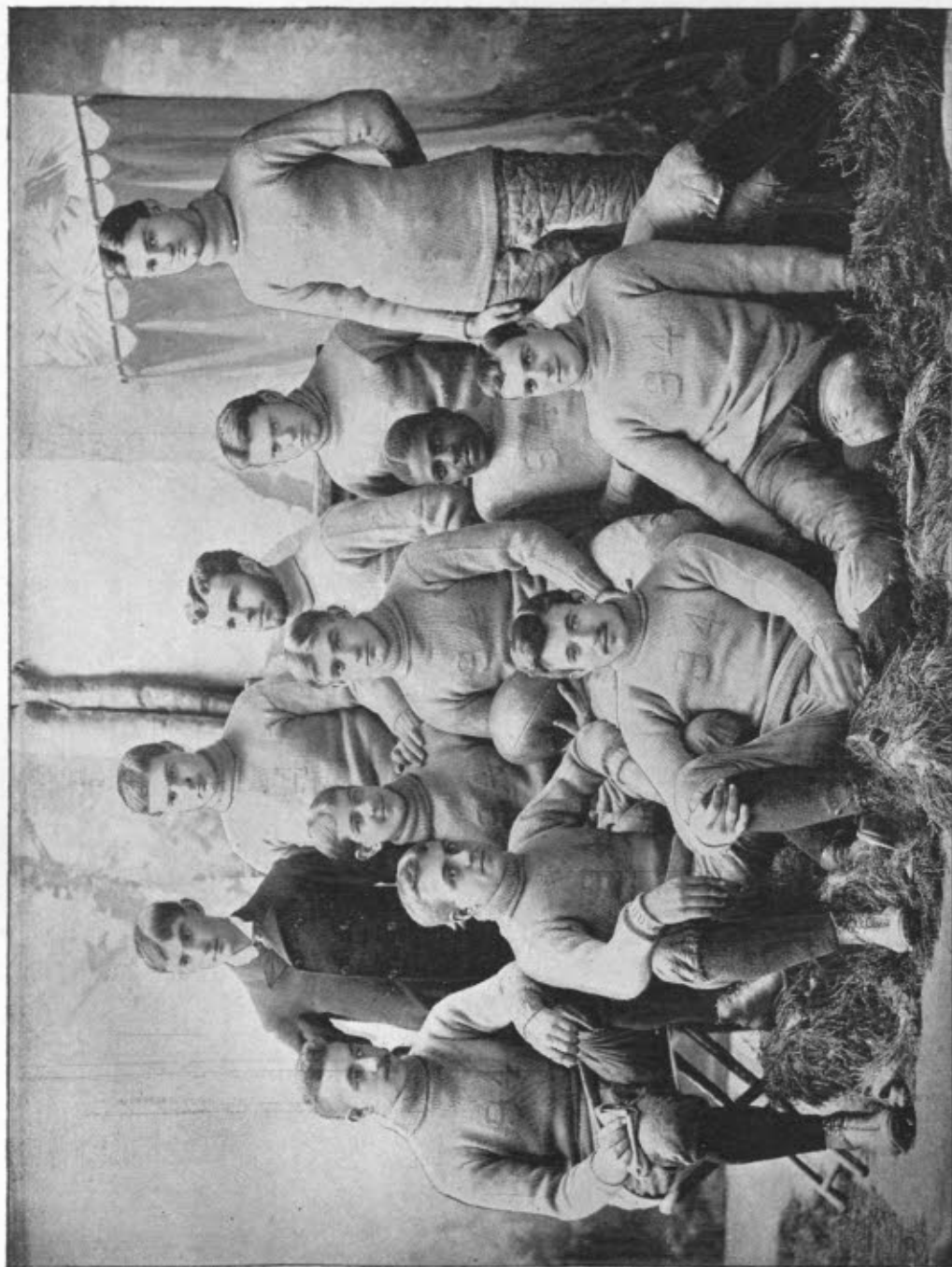
'94 Foot Ball Eleven.

	Rushers.	
GREEN	<i>Ends</i>	P. GILBERT.
HAZELTON	<i>Tackles</i>	ROGERS.
NASH	<i>Guards</i>	CROMWELL.
JOHNSON, <i>Centre</i> .		

Quarter-back.
CLARKE.

STEARNS.	Half-backs.	STORY.
	Full-back.	
BATCHELLER.		

BOSTON LATIN vs. '94	4-10
ENGLISH HIGH vs. '94	0-6
'93 vs. '94	8-4



ROGERS.

GILBERT,
JOHNSON,
STEARNS.

NASH,
CLARKE,
BATCHELLER.

CROMWELL,
STORY.

KIMBERLY,
GREEN.

HAZELTON.

'94 FOOT BALL ELEVEN.



Officers.

President.

WILLARD H. ROOTS, '91.

Vice-President.

LEONARD C. WASON, '91.

Captain.

FRED E. NORTON, '91.

Secretary-Treasurer.

EDWARD M. HAGAR, '93.

Lieutenant.

FRANK D. RICHARDSON, '93.

Road Officers.

Members.

'91.

JUAN C. BLUMÉ.
FRED A. COLE.

ROGER W. CONANT.
WILLARD H. ROOTS.
LEONARD C. WASON.

JOHN C. DE BULLET.
FRED E. NORTON.

'92.

FREDERICK H. HOWLAND.
HENRY M. PHILLIPS.

RALPH H. SWEETSER.

HARRY S. WEBB.
JOHN G. THOMPSON.

'93.

EDWARD M. HAGAR.
GEORGE W. STOSE.
EDWARD R. KIMBALL, JR.

ROBERT D. REYNOLDS.
FRANK D. RICHARDSON.
WALTER W. PATCH.

FOY B. KENDALL.
ARTHUR G. FARWELL.
HEIICHIRO MAKÉ.

'94.

ARTHUR A. CLEMENT.

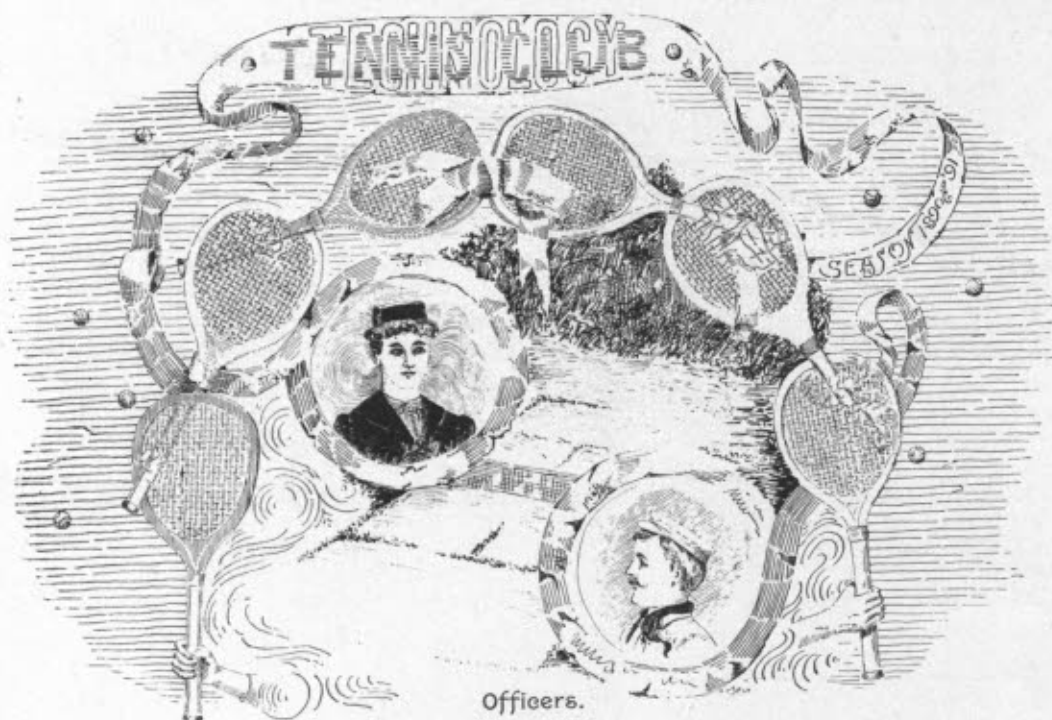
W. T. CASE.

FRED H. CLARKE.

FRED P. EMERY.

Honorary Members.

FRANKLIN W. HOBBS, '89.



Officers.

President.

H. H. ENSWORTH, '91.

Vice-President.

F. T. SNYDER, '91.

Secretary.

W. B. GAMBLE, '92.

Treasurer.

E. W. STEBBINS, '93.

Executive Committee.

H. H. ENSWORTH, '91.

G. MOORE, '93.

E. W. STEBBINS, '93.

Members.

ROBERT H. RICHARDS, S. B., '68.

L. H. KUNHARDT, '89.

'91.

LOUIS H. DUNHAM.

HORACE H. ENSWORTH.
HOWARD C. FORBES.

GEORGE B. HAWLEY.
R. D. CUSHING.

FREDERICK T. SNYDER.

'92.

WILLIAM B. GAMBLE.
FRANCIS W. WALKER.

F. G. COGGIN, JR.
A. G. DAVIS.

F. H. HOWLAND.
F. C. NORTON.

C. M. WELLS.
J. F. JOHNSON.

'93.

JOHN O. AMES.
HOWARD R. BARTON.
GEORGE F. DANA.
ROBERT J. DUNCAN.
WILLIAM W. FOSTER.
JOHN P. LABOUISSÉ.

HARRY N. LATEY.
GEORGE MOORE.
WILLIAM S. PECK.
ARTHUR B. SMITH.
ELWYN W. STEBBINS.

J. C. ABBOT.
H. R. BATCHELLER.
M. T. BARBOUR.
G. FARWELL.
H. S. RICE.

W. H. SAYWARD.
G. W. STOSE.
K. S. SWEET.
F. T. TOWNE.
A. B. WADSWORTH.

'94.

W. S. COLES.
L. DANA.

T. HORTON.
H. H. JOHNSON.

A. R. MACKEY.
GEORGE OWEN.
C. W. DICKEY.

W. B. TAYLOR.
T. VARNEY.

Annual Tennis Tournament.

Singles.

PRELIMINARY ROUND.

COLES beat RICE, 4-6, 6-4, 6-2; WADSWORTH beat ENSWORTH, 6-3, 3-6, 11-9; JOHNSTON beat LATEY, 6-4, 6-2; DICKEY beat MACKAY, 6-3, 6-2.

FIRST ROUND.

NORTON beat L. DANA, 6-1, 6-1; DUNHAM beat STEBBINS, 10-8, 2-6, 6-4; HORTON beat G. DANA, 6-3, 6-3; WADSWORTH beat COLES, 6-3, 6-4; JOHNSTON beat DICKEY, 9-7, 6-4; SAYWARD beat MOORE, 6-3, 3-6, 6-4; WALKER beat PECK, 2-6, 6-4, 6-2; HOWLAND beat TAYLOR, 7-5, 4-6, 6-2.

SECOND ROUND.

DUNHAM beat NORTON, 6-3, 6-4; HORTON beat WADSWORTH, 6-2, 6-3; JOHNSTON beat SAYWARD, 6-1, 6-2; HOWLAND beat WALKER, 8-6, 6-4.

THIRD ROUND.

HORTON beat DUNHAM, 6-2, 6-3; JOHNSTON beat HOWLAND, 9-7, 4-6, 6-2.

FINAL ROUND.

JOHNSTON beat HORTON, 6-8, 3-6, 7-5, 6-4, 6-4.

Singles for Second Place.

PRELIMINARY ROUND.

SAYWARD beat DICKEY, 7-5, 9-11, 6-2.

FIRST ROUND.

HORTON beat SAYWARD, 7-5, 6-2; HOWLAND beat LATEY, 3-6, 6-1, 6-4.

FINAL ROUND.

HORTON beat HOWLAND, 13-15, 6-1, 6-1.

Doubles.

PRELIMINARY ROUND:

JOHNSTON AND COLES beat DUNHAM AND RICE, 6-1, 6-2.

FIRST ROUND.

JOHNSTON AND COLES beat STEBBINS AND SAYWARD, 7-5, 6-3; HORTON AND WADSWORTH beat DICKEY AND MACKAY, 6-3, 6-2; HOWLAND AND MOORE beat PECK AND LATEY, 6-3, 9-7; TAYLOR AND VARNEY beat ENSWORTH AND DANA, 6-4, 6-1.

SECOND ROUND.

HORTON AND WADSWORTH beat JOHNSTON AND COLES, 6-2, 9-7; TAYLOR AND VARNEY beat HOWLAND AND MOORE, 8-6, 6-3.

FINAL ROUND.

HORTON AND WADSWORTH beat TAYLOR AND VARNEY, 7-5, 6-3.



'92 Base Ball Team.

Captain.
W. W. LOCKE.

Manager.
W. R. KALES.

Summary of Games.

1. '92, 11; Marions of Brookline, 20.

HIGHLANDS, c.; LOCKE, p.; LOOK, 1st b.; PARRISH, 2d b.; PETTEE, 3d b.; OBER, s. s.;
VANCE, r. f.; COLBY, c. f.; YOERG, l. f.

2. '92, 6; B. A. A., 14.

HIGHLANDS, c.; LOCKE, p.; LOOK, 1st b.; PARRISH, 2d b.; PETTEE, 3d b.; OBER, s. s.;
VANCE, r. f.; COLBY, c. f.; YOERG, l. f.

3. '92, 21; English High, 6.

HIGHLANDS, c.; LOCKE, p.; LOOK, 1st b.; PARRISH, 2d b.; PETTEE, 3d b.; OBER, s. s.;
PARKER, r. f.; MANSFIELD, c. f.; YOERG, l. f.

4. '92, 11; Harvard, '93, 9.

WHITLEY, c.; HIGHLANDS, p.; LOOK, 1st b.; OBER, 2d b.; PETTEE, 3d b.; PARRISH, s. s.;
PARKER, r. f.; LOCKE, c. f.; YOERG, l. f.

TECHNIQUE.

5. '92, 10; Phillips Exeter, 21.

OBER, c.; LOCKE, p. and 2d b.; HIGHLANDS, 2d b. and p.; LOOK, 1st b.; PETTEE, 3d b.;
PARRISH, s. s.; VANCE, r. f.; MANSFIELD, c. f.; YOERG, l. f.

6. '92, 7; Cliftons, 11.

WHITLEY, c.; HIGHLANDS, p.; LOOK, 1st b.; LOCKE, 2d b.; OBER, 3d b.; PARRISH, s. s.;
VANCE, r. f.; PARKER, c. f.; YOERG, l. f.

7. '92, 2; Brown University, 16.

DYER, c.; OXFORD, p. and l. f.; HIGHLANDS, l. f. and p.; LOOK, 1st b.; LOCKE, 2d b.;
PETTEE, 3d b.; PARRISH, s. s.; WHITLEY, r. f.; OBER, c. f.

8. '92, 15; '93, 6.

WHITLEY, c.; HIGHLANDS, p.; LOOK, 1st b.; LOCKE, 2d b.; PETTEE, 3d b.; PARRISH, s. s.;
VANCE, r. f.; OBER, c. f.; MANSFIELD, l. f.

'93 Base Ball Team.

Captain.
FLYNN.

Manager.
G. F. DANA.

Summary of Games.

1. '93, 7; English High, 5.

ASHTON, c.; FLYNN, p.; REED, 1st b.; MOODY, 2d b.; BROCKUNIER, 3d b.; JACKSON, s. s.;
WOODS, l. f.; EVANS, c. f.; DOLAN, r. f.

2. '93, 10; H. U., '93, 18.

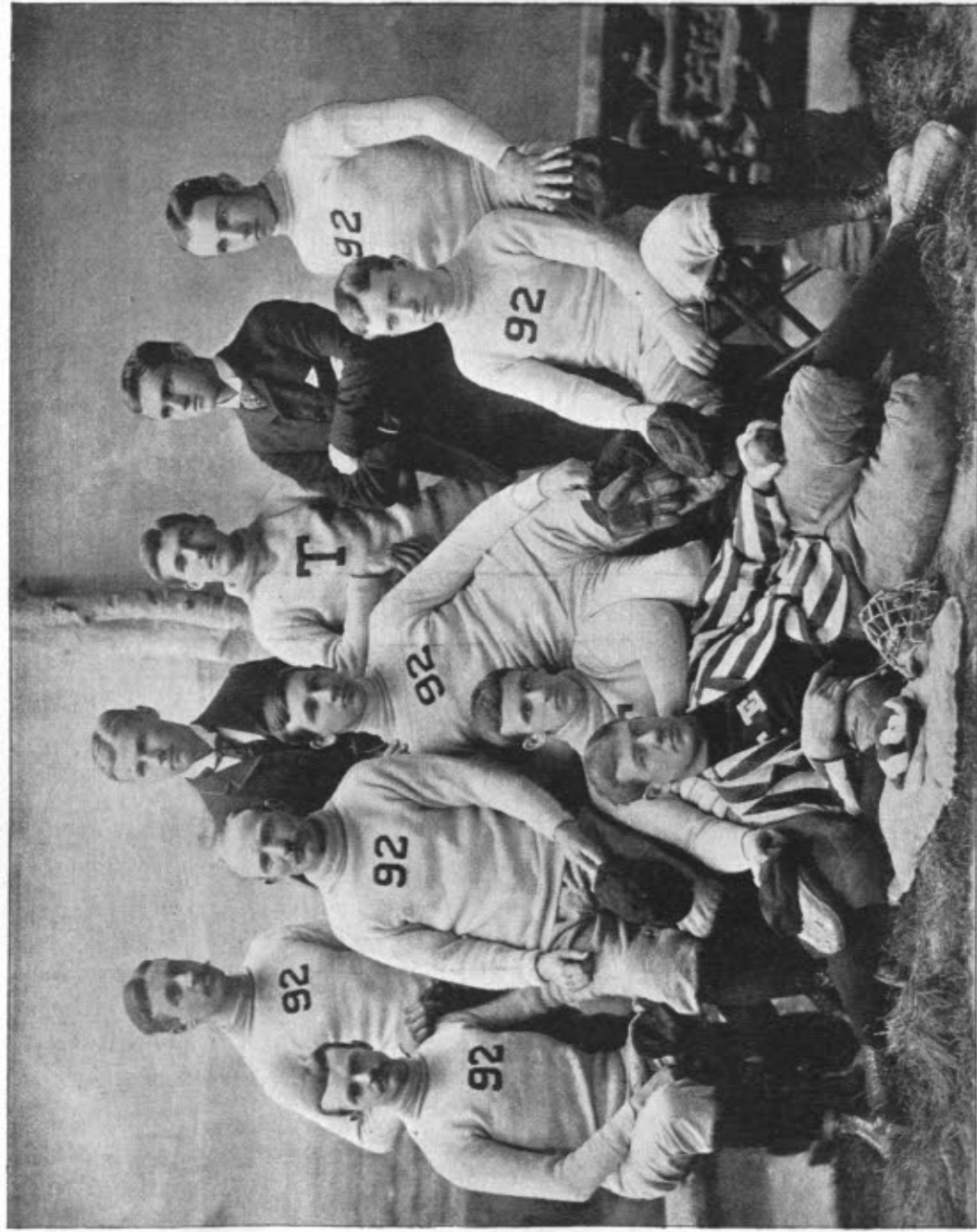
BURKE, c.; FLYNN, p.; LYNCH, 1st b.; MOODY, 2d b.; BROCKUNIER, 3d b.; JACKSON, s. s.;
REED, l. f.; EVANS, c. f.; DOLAN, r. f.

3. '93, 6; '92, 15.

ASHTON, c.; MOODY, p.; REED, 1st b.; JACKSON, 2d b.; BURKE, 3d b.; BROCKUNIER, s. s.;
FLYNN, l. f.; EVANS, c. f.; DOLAN, r. f.

4. '93, 6; Brown University, '93, 7.

ASHTON, c.; DOLAN, p.; REED, 1st b.; JACKSON, 2d b.; FLYNN, 3d b.; BROCKUNIER, s. s.;
EMERY, l. f.; WOODS, c. f.; EVANS, r. f.



'92 BASE BALL NINE. - 1889-90.

M. I. T. Base Ball Club.

Catcher.

*RIDLER. Noted for foul tips.

Pitcher.

THE ATHLETIC ASSOCIATION CUP. When "full" he holds three quarts.

1st Base.

FOUNDATION OF ROGERS BUILDING.

2d Base.

H. SCHLACKS, the "Architect Terror."

3d Base.

BOSTON BASE. (Mean Low-water, Approx.) (Ask the Civils.)

Short Stop.

D. F. POTTER. (Was with us two months.)

Right Field.

FIELD OF DUTY. The Grind.

Centre Field.

BETWEEN ROGERS AND NICHOLS BUILDINGS.

Left Field.

THE DOUBLE F.

Umpires.

THE FACULTY.

Official Scorer.

H. J. HENCK.

Official Score Card.

THE TABULAR VIEW.

Caught napping, "HAVER,"

Home Runs: SLADE, HUNTOON, SQUIRES, and others too numerous to mention.

Greatest number of "put-outs": BARTLETT; but CROSS and SCHWAMB made many "assists."

For further statistics see PROF. FAUNCE's great work on baseball, entitled, "Double Curves Revolutionized; or, The Sphere Made Plane."

The Class of '93 kindly offered their services as bat and water carriers, but were decided incompetent.

*Substitute only. The regular catcher was SLADE at the Semies.

Institute Records.

<i>50-Yards Dash</i>	6 sec.	C. E. BUCHHOLZ, '92.
<i>100-Yards Dash</i>	10 $\frac{3}{8}$ s.	F. R. YOUNG, '86.
<i>220-Yards Dash</i>	24 $\frac{1}{2}$ s.	F. L. PIERCE, '89.
<i>440-Yards Dash</i>	55 $\frac{2}{3}$ s.	T. SPENCER, '91.
<i>Half-Mile Run</i>	2 m. 12 $\frac{1}{2}$ s.	J. L. BATCHELDER, JR., '90.
<i>One-Mile Run</i>	5 m. 3 $\frac{1}{2}$ s.	E. L. ANDREWS, '92.
<i>120-Yards Hurdle</i>	19 $\frac{7}{8}$ s.	S. STURGIS, '87.
<i>220-Yards Hurdle</i>	31 s.	G. K. DEARBORN, '93.
<i>One-Mile Walk</i>	8 m. 5 $\frac{2}{3}$ s.	A. H. ALLEY, '91.
<i>Two-Mile Bicycle Race</i>	6 m. 40 $\frac{1}{4}$ s.	C. H. WARNER, '89.
<i>Running High Jump</i>	5 ft. 6 in.	G. S. HEINS, '82.
		J. L. KIMBALL, '87.
		R. W. CONANT, '91.
<i>Standing High Jump</i>	4 ft. 10 in.	F. R. YOUNG, '86.
<i>Standing Broad Jump</i>	9 ft. 9 in.	L. C. WASON, '90.
<i>Running Broad Jump</i>	17 ft. 8 $\frac{1}{2}$ in.	J. G. CRANE, '90.
<i>Running High Kick</i>	9 ft. 2 in.	L. C. WASON, '90.
<i>Fence Vault</i>	7 ft. 2 in.	W. F. RIPLEY, '82.
<i>Pole Vault</i>	9 ft. 4 in.	F. T. STURGIS, '84.
<i>Putting Shot (16 lbs.)</i>	36 ft. 2 $\frac{1}{4}$ in.	J. C. E. DE BULLET, '90.
<i>Throwing Hammer (16 lbs.)</i>	67 ft.	J. M. FERRIDAY, '92.

Intercollegiate Records.

An intercollegiate record is a record made at an Annual Meeting of the I. C. A. A. A. A.

100-Yards Run	10½ s.	{ H. S. BROOKS, JR.	Yale	Manhattan Polo Grounds, May 27, 1882.
220-Yards Run	22½ s.	{ C. H. SHERRILL	Yale	Berkeley Oval, N. Y. City, May 25, 1889.
440-Yards Run	50 s.	C. H. SHERRILL	Yale	Berkeley Oval, May 31, 1890.
Half-Mile Run	1 m. 57½ s.	W. C. DOHM	Princeton,	Berkeley Oval, May 25, 1889.
One-Mile Run	4 m. 49½ s.	W. C. DOHM	Princeton,	Berkeley Oval, May 31, 1890.
120-Yards Hurdle	16½ s.	C. O. WELLS	Amherst	Berkeley Oval, May 25, 1889.
220-Yards Hurdle	25¼ s.	H. L. WILLIAMS	Yale	Berkeley Oval, May 31, 1890.
One-Mile Walk	7 m. 6½ s.	J. P. LEE	Harvard	Berkeley Oval, May 31, 1890.
Two-Mile Bicycle	6m. ¾ s.	T. McILVAINE	Columbia	Berkeley Oval, May 25, 1889.
Running High Jump	5 ft. 11¼ in.	R. H. DAVIS	Harvard	Berkeley Oval, May 25, 1889.
Running Broad Jump	22 ft. 6 in.	W. B. PAGE	Univ. Penn.	Manhattan Athletic Grounds, May 29, 1886.
Pole Vault	10 ft. 7 in.	T. G. SHEARMAN	Yale	Berkeley Oval, May 25, 1889.
Throwing Hammer (16 lbs.)	98 ft. 6 in.	{ E. D. RYDER	Yale	Berkeley Oval, May 25, 1890.
Putting Shot (16 lbs.)	40 ft. 9¼ in.	{ H. F. WELCH	Columbia	
		A. B. COXE	Yale	Manhattan Athletic Grounds, May 28, 1887.
		A. B. COXE	Yale	Manhattan Athletic Grounds, May 28, 1887.

Collegiate Records.*

A collegiate record is one made by a collegian in any amateur games to which the I. C. A. A. A. gives its approval.

100-Yards Run	. . . . . 10 s.	{ E. J. WENDELL . . . Harvard . . . Jarvis Field, May 24, 1881. WENDELL BAKER . . . Harvard . . . Beacon Park, July 1, 1886. C. H. SHERRILL . . . Yale . . . Berkeley Athletic Games, May 17, 1890.
220-Yards Run	. . . . . 22 s.	WENDELL BAKER . . . Harvard . . . Beacon Park, July 1, 1886.
440-Yards Run	. . . . . 47½ s.	WENDELL BAKER . . . Harvard . . . Beacon Park, July 1, 1886.
440-Yards Run (Cir. Track)	49 s.	W. C. DOWNS . . . Harvard . . . Holmes Field, May 24, 1890.
Half-Mile Run	. . . . . 1 m. 55½ s.	W. C. DOHM . . . Princeton, Travers Island, June 29, 1889.
One-Mile Run	. . . . . 4 m. 29½ s.	C. O. WELLS . . . Amherst . . . Berkeley Oval, May 25, 1889.
Three-Mile Run	. . . . . 15 m. 41½ s.	W. G. LANE . . . Yale . . . New Haven, May 31, 1888.
120-Yards Hurdle	. . . . . 16 s.	H. L. WILLIAMS . . . Yale . . . Berkeley A. C. Games, May 17, 1890.
220-Yards Hurdle	. . . . . 25½ s.	J. P. LEE . . . Harvard . . . Berkeley Oval, May 31, 1890.
One-Mile Walk	. . . . . 6 m. 59½ s.	H. H. BEMIS . . . Harvard . . . Cambridge, May 9, 1887.
Two-Mile Walk	. . . . . 15 m. 10½ s.	H. H. BEMIS . . . Harvard . . . Cambridge, May 10, 1886.
Three-Mile Walk	. . . . . 24 m. 14½ s.	H. H. BEMIS . . . Harvard . . . Cambridge, May 16, 1885.
Seven-Mile Walk	. . . . . 58 m. 52 s.	H. H. BEMIS . . . Harvard . . . Cambridge, Nov. 19, 1886.
Two-Mile Bicycle	. . . . . 5 m. 43 s.	L. B. HAMILTON . . . Yale . . . Springfield, Mass., Sept. 17, 1882.
Running High Jump	. . . . . 6 ft. 4 in.	W. B. PAGE . . . Univ. of Pa., Philadelphia, Oct. 7, 1887.
Standing High Jump	. . . . . 5 ft. 1½ m.	S. CROOK . . . Williams . . . N. E. Intercollegiate Games, Worcester, May 28, 1890.
Running Broad Jump	. . . . . 22 ft. 6 in.	T. G. SHEARMAN . . . Yale . . . Berkeley Oval, May 25, 1889.
Standing Broad Jump	. . . . . 10 ft. 3½ in.	F. LARKIN . . . Princeton, Mott Haven, May 9, 1879.
Running Hop, Step, and Jump	44 ft. 11½ in.	E. P. BLOSS . . . Harvard . . . B. A. A. Grounds, Oct. 28, 1890.
Pole Vault	. . . . . 10 ft. 7¼ in.	L. D. GODSHALL . . . Lafayette, Easton, Pa., June 29, 1886.
Throwing Hammer (16 lbs.)	101 ft. 1½ in.	A. B. COXE . . . Yale . . . New Haven, May 18, 1887.
Putting Shot (16 lbs.)	. . . . . 40 ft. 9½ in.	A. B. COXE . . . Yale . . . New York, May 28, 1887.

*Obtained through the kindness of W. R. Bigelow, Harvard.

Records of American Colleges,

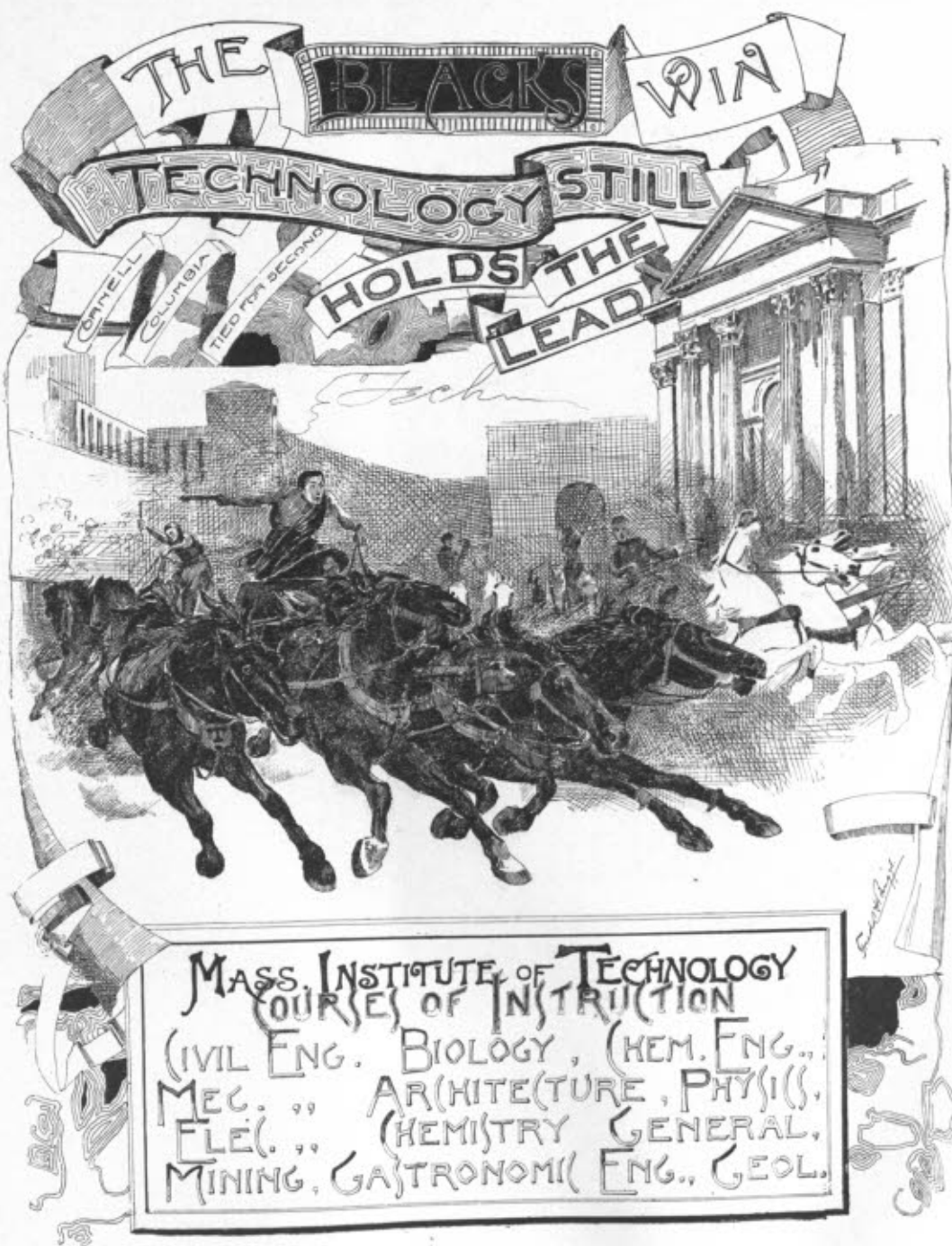
AS SENT IN BY THE SECRETARIES OF THE ATHLETIC ASSOCIATIONS, NOVEMBER 1, 1890.

COLLEGES.	100-Yards Dash.	220 Yards.	440 Yards.	One-Half Mile.	One Mile.	120-Yards Hurdle.	220-Yards Hurdle.	One-Mile Walk.	Putting Shot. (16lb.)	Throwing Hammer. (16lb.)	Two-Mile Bicycle.	Pole Vault.	Running High Jump.	Standing High Jump.	Running Broad Jump.	Standing Broad Jump.	Running High Kick.	Running Hop, Step and Jump.	Throwing Baseball.
	S.	S.	S.	M. S.	M. S.	S.	S.	M. S.	FT. INS.	FT. INS.	M. S.	FT. INS.	FT. INS.	FT. INS.	FT. INS.	FT. INS.	FT. INS.	FT. INS.	FT. INS.
Institute of Technology	10 3-5	24 4-5	55 2-5	2 12 1-8	5 3 1-5	19 2-5	31	8 5 2-5	36 2 1-4	67	6 40 1-4	9 4	5 6	4 10	17 8 1-2	9 9	9 2	.....	.....
*Dartmouth . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williams	10 1-2	24	52	2 7 1-2	4 38	18	.....	7 50	36 6	73 8	.....	8 7	5 7	5 2	20 1-2	10 5 7-8	.....	.....	351 4
Amherst	10 2-5	23 3-5	52 2-5	2 6 1-2	4 29 4-5	17 1-2	29 1-5	7 10	36 4 1-2	79	6 6 2-5	9 7 3-4	5 6 1-2	4 11 1-2	20 2 1-4	10 1-4	.....	.....	.....
Bowdoin	10 3-8	22 4-5	52	2 11	4 56	.....	.....	8 25	31 9	76	.....	9 3	5	4 9	18 2	10 3	.....	39 4	349
Stevens Institute	10 2-5	24 3-5	53 3-4	2 14	.....	.....	.....	.....	36 9	.....	.....	.....	5 3 1-2	.....	20 5 1-4	9 10 3-4	.....	.....	355 9 1-2
Harvard	10	22	47 3-4	1 56 7-8	4 38 3-5	16 4-5	25 1-4	6 59 1-2	40 1 1-2	93 2	5 59 1-5	10 5 1-2	6 1-4	5 1 1-4	21 10	.....	.....	.....	.....
Yale	10	22 1-5	50 2-5	2 3 2-5	4 32 2-5	16	25 4-5	7 18 3-4	40 9 1-2	101 1	6 21	10 7 1-2	5 8	.....	22 6	.....	.....	.....	.....
*Princeton (N. J.) . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Trinity (Conn.) . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Wesleyan University (Conn.) . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Cornell University . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
University of Pennsylvania (Penn.)	10 1-5	23	53	2 3 4-5	4 35 1-5	19 1-4	.....	7 26 2-5	.....	100 9	6 1	10 2	6 4	.....	20 11	10 9 1-2	.....	.....	.....
Lafayette College (Penn.)	10	23 1-2	54 1-2	2 12 3-4	5 6	17 3-4	.....	8 5 1-8	39 4	83 7 1-4	.....	10 7 3-4	5 6 3-4	.....	21 6	.....	.....	.....	.....
Brown University (R. I.)	10 1-2	.....	56	2 26	5 6	19 3-4	.....	8 28	35 9	81 5	.....	9 6	5 6 1-2	4 8	21 3	10 5	.....	.....	.....
Tufts College (Mass.)	10 1-2	.....	56	2 15	4 59	.....	.....	.....	.....	.....	.....	.....	5 3	.....	18 5 1-2	.....	.....	.....	320
† Bates College (Me.)	11	25 3-4	.....	2 28 1-2	5 39 2-5	.....	.....	8 58 4-5	28 8	63 5	.....	8 7	4 8 3-4	4 5 3-4	16 5 1-2	9 1-2	7 4	.....	337 10
University of Vermont	11	24	55	2 12 1-2	5 14	19	.....	.....	33 4	81 4	.....	9	5	4 8	17 8 1-2	10 2 1-2	8	.....	.....
Iowa Agricultural College	10 2-5	24	57	.....	.....	17 1-2	26 1-2	.....	43 4	.....	.....	8 11	5 2	.....	19 6	11 6	8 4	.....	385 6
Hamilton College (N. Y.)	10 3-8	23	52 2-5	2 5 2-5	4 48 2-5	18 1-2	28 1-2	7 37	33 3 1-2	82 2	.....	9 2	5 2	.....	20 1 3-4	.....	.....	.....	.....
University of Illinois	10 1-2	.....	58 1-5	2 17	5	17 1-5	.....	.....	33 5	86	.....	8	5 2	.....	18	9 10	8 1 1-4	40 9 1-2	347 4
Adelbert College (Ohio)	10 1-5	24	59	.....	5 24	20 3-4	.....	.....	30 8	60 8	.....	8 8	5 1 1-2	4 9 1-2	19 3	10 3 3-4	8 6	41 5	329 11
Hillsdale College (Mich.)	10 1-4	.....	55	2 6	.....	.....	.....	.....	34	.....	.....	.....	5 4	.....	18	10	.....	.....	318
University of Nashville (Tenn.)	10 2-5	.....	60 2-5	.....	.....	18	.....	.....	34 2 1-2	72 9	.....	.....	.....	.....	.....	9 4 5-8	.....	.....	.....
Washington and Jefferson (Penn.)	10 5-8	25 1-5	55	.....	.....	.....	.....	.....	33	75 2	.....	9 2	5 6	4 4	18 4	.....	8 10	.....	329
† University of Cincinnati (Ohio)	11	27 4-5	64 3-5	.....	.....	21	.....	.....	27 5 1-2	54 9 3-4	.....	.....	5 4	4 9	15 10	9 6	.....	36	330 8 1-2
University of Minnesota (Minn.)	10 4-5	26	62	2 12	5 10	20	.....	8	34	47	.....	.....	5 2	4 3	19 2 1-2	10	.....	39	320
Richmond College (Va.)	11	.....	61	.....	5 3 3-4	.....	.....	8 20	.....	.....	.....	8 3 1-8	5 0 1-2	4 3 1-4	.....	.....	.....	.....	312 3
† University of Missouri (Mo.)	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 11	.....	19 9	10 6	.....	.....	.....
Alleghany College (Penn.)	10 4-5	23 3-4	60	.....	4 58	20	.....	8 20	.....	75	.....	8 1	5 4 1-2	4 6	19 1	10 7	.....	.....	.....
† Lombard University (Ill.)	11 1-4	.....	.....	.....	.....	.....	.....	8 7 1-2	29 6	69 7	.....	7 10	5 1	4 9	15 2	.....	8	.....	.....
† Middlebury College (Vt.)	11	24	57 3-4	2 26	5 17	.....	.....	.....	30 11	.....	.....	9 4 1-2	5 2 1-2	4 6	17 11	10	.....	40 2	316 4
Monmouth College (Ill.)	10 2-5	.....	52 1-2	.....	.....	17 1-2	.....	.....	33 3	70 5	.....	8 8 1-2	5 6	.....	20 5	.....	8 5 1-4	.....	345
Wisconsin State University (Wis.)	10 2-5	23 1-2	52	2 15	5 30	.....	.....	8 30	31 4	63 1	.....	8 7	5 4	4 7	18	9 9	8 2	42 3	365
Vanderbilt University (Tenn.)	10	.....	57	.....	.....	.....	.....	.....	33 9 3-5	74 6	.....	.....	5 4	.....	20 10 1-2	.....	9 3 1-2	41 9 3-4	.....
University of the Pacific (Cal.) . . . . .	.....	.....	.....	.....	.....	.....	.....	8 46 1-4	36 5	.....	.....	.....	5 6	5	18 8	10 2	8 3	42 8	359 6
Phillips Andover Academy (Mass.)	10 1-4	25	56 4-5	2 17 3-4	.....	19 2-5	.....	.....	34 0 1-2	89 4	.....	8 11	5 5	4 8 1-2	19	9 8 1-2	9 2	.....	384 6
Phillips Exeter Academy (N. H.)	10 1-5	22 3-5	56 1-2	2 14 1-2	5 10	20 3-4	.....	8 30 1-4	33 4	78 9	.....	9 1 1-4	5 5 5-8	.....	20 10 1-2	10 5 3-4	9 1-4	44	368 5

* No records sent in.

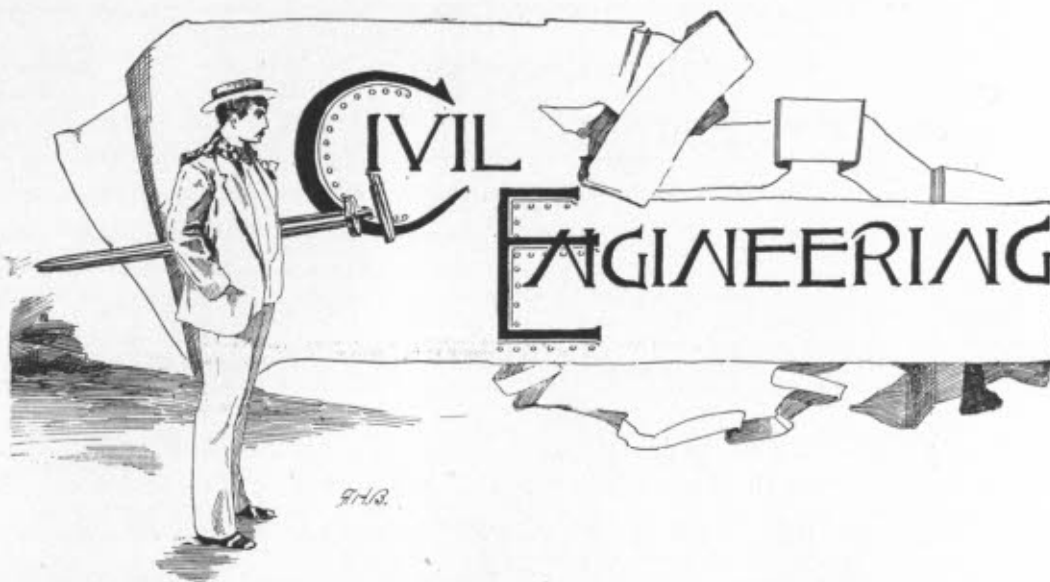
† Records of last Spring meeting.





MASS. INSTITUTE OF TECHNOLOGY
COURSES OF INSTRUCTION
(CIVIL ENG., BIOLOGY, (CHEM. ENG.,
MEC., ARCHITECTURE, PHYSICS),
ELEC., (CHEMISTRY GENERAL,
MINING, GASTRONOMY) ENG., GEOL.





SINCE its last appearance in the pages of *TECHNIQUE*, Course I. has risen many steps in the world. It now occupies the fourth and fifth floors of the Engineering Building. Room (50) is set apart for the Juniors, and there we may be found every afternoon, industriously drawing or borrowing thumb-tacks and calculus examples from our accommodating brethren. No time is wasted now in such frivolities as putting remnants of lunch in our neighbor's pockets, or making away with some studious man's "grip." We have learned the value of time from that great teacher Experience, who, although not catalogued as a member of the Faculty, yet influences all their actions.

In our Sophomore year we succeeded in passing through the tortuous ways of Physics and Analytics without serious disaster. We severed the ties which bound us to the gentleman who professes drawing and practices driving, "Nor cast one longing, lingering look behind."

Among our more recent sources of trouble was the importunate youth who never knew the time, yet always wanted to know it, and whose eager "Wat o'clock es it?" kept the phoniferous ether in constant vibration in the drawing room. When our endurance had approached indefinitely to its limit, we furnished the monomaniac with a timepiece (Waterbury movement), accompanied by a chain.

As a pleasant relaxation from our sterner duties, we spent three afternoons every week surveying at Roslindale. Here the true enjoyment of the "Civil's" life was ex-

TECHNIQUE.



perienced, as we listened to our instructor's breezy accounts of his own achievements, our attention being occasionally diverted to read an angle or hold a rod; or as we plodded through mud and rain, and imagined we were becoming inured to hardship.

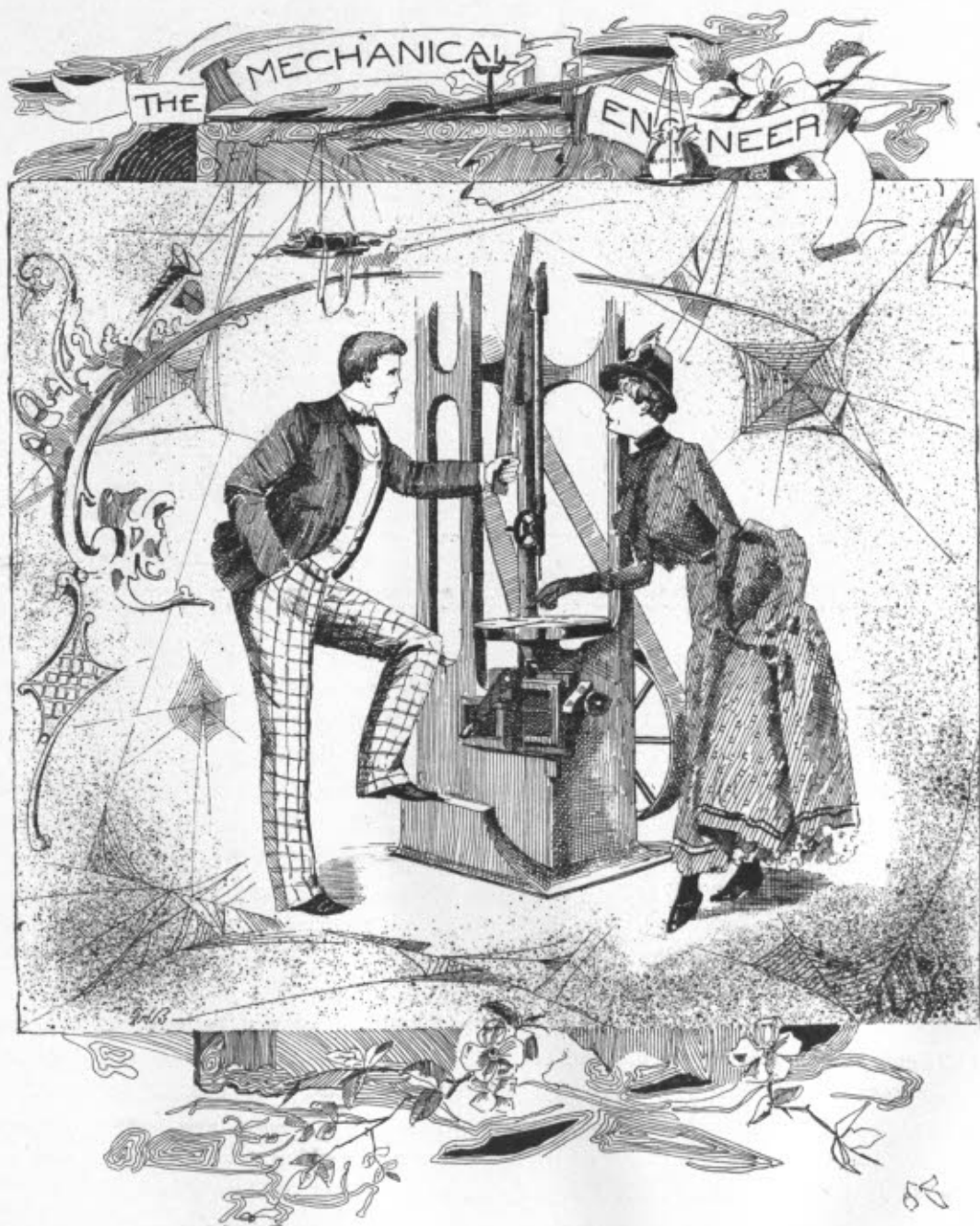
We are now busy on the survey of an Air Line between Crescent Beach and Woodlawn Cemetery. Our energies will not be thrown away on this work, as the road, when completed, will be used to carry away Juniors who have been overcome by the Heat, which they often find very oppressive at the Institute.

In our field work we have distinguished ourselves by a trait seldom found in surveying parties,—a regard for private property. One man even went so far as to return a pear to a neighboring orchard—when he found it was green.

A word of warning to future Civils may not be amiss in closing. If, through weariness of the flesh, or haste to catch a train, you should ever be tempted to leave a transit or a level on the doorstep, in the hope that it would find its way aloft by the hand of the janitor, ask the advice of N. T. P-r-sch-s, who has learned the ups and downs of such a course by practical experiment.

W. C. T.







PLACE: INSTITUTE STEPS.
TIME: OPENING OF THE TERM.

First Mechanical, '92 (to Second Mechanical, '92).—Hullo, there! Glad to see you. Pleasant day. How did you get through the Annuals?

Second Mechanical.—I answered every question all right, but I didn't get through for all that. By the by, how did *you* get through? I remember you felt very shaky.

First Mechanical.—Well, I'll tell you. There was a little printer's devil at the office where the examinations were printed, and I hired him to wear a pair of white pants and sit on the wet type. I gave him ten dollars for the breeches,—and here I am, a Junior, if you please.

Second Mechanical.—That *was* a brilliant scheme. I wonder if they will work us hard this term.

First Mechanical.—From past experience, I suppose we will be children of Eternity, and know neither space nor time.

Second Mechanical.—Now, come; that last reply must have been taken from the old masters. You never could have originated it all by yourself. You must remember that we are not Sophs any more, so we don't know everything. We had great times, though, in the Sophomore days. Do you remember the last drill?

First Mechanical.—Yes; wasn't there a crowd! And the Institute Dinner. I told Peter Schwamb it was a regular automatic Cross-feed. Ha! ha! That reminds me. Did I ever tell you how I brought my cousin to visit Tech.? Come over and sit on the window-sill and hear about it.



I took him first into the Physics lecture room. I told him it was a regular produce exchange, and that if he would look carefully around among the occupants he might see some sampling peanuts, others chestnuts, etc. I pointed out the counter, and the plane polarized light coming off the head of the man behind it. During the course of the lecture, although the room seemed to be perfectly light, he heard the gentleman behind the counter say, "Now we will have the daylight, if you please." He said he looked hard, and finally he thought the sun did seem to grow brighter, and the whole atmosphere lighted up in such a manner that he believed the man a magician or a seer, who could change the darkest gloom into sunshine. We came away considerably dazed, and he has never been quite in his right mind since. Oughtn't that to be a warning to coming Course II. men?

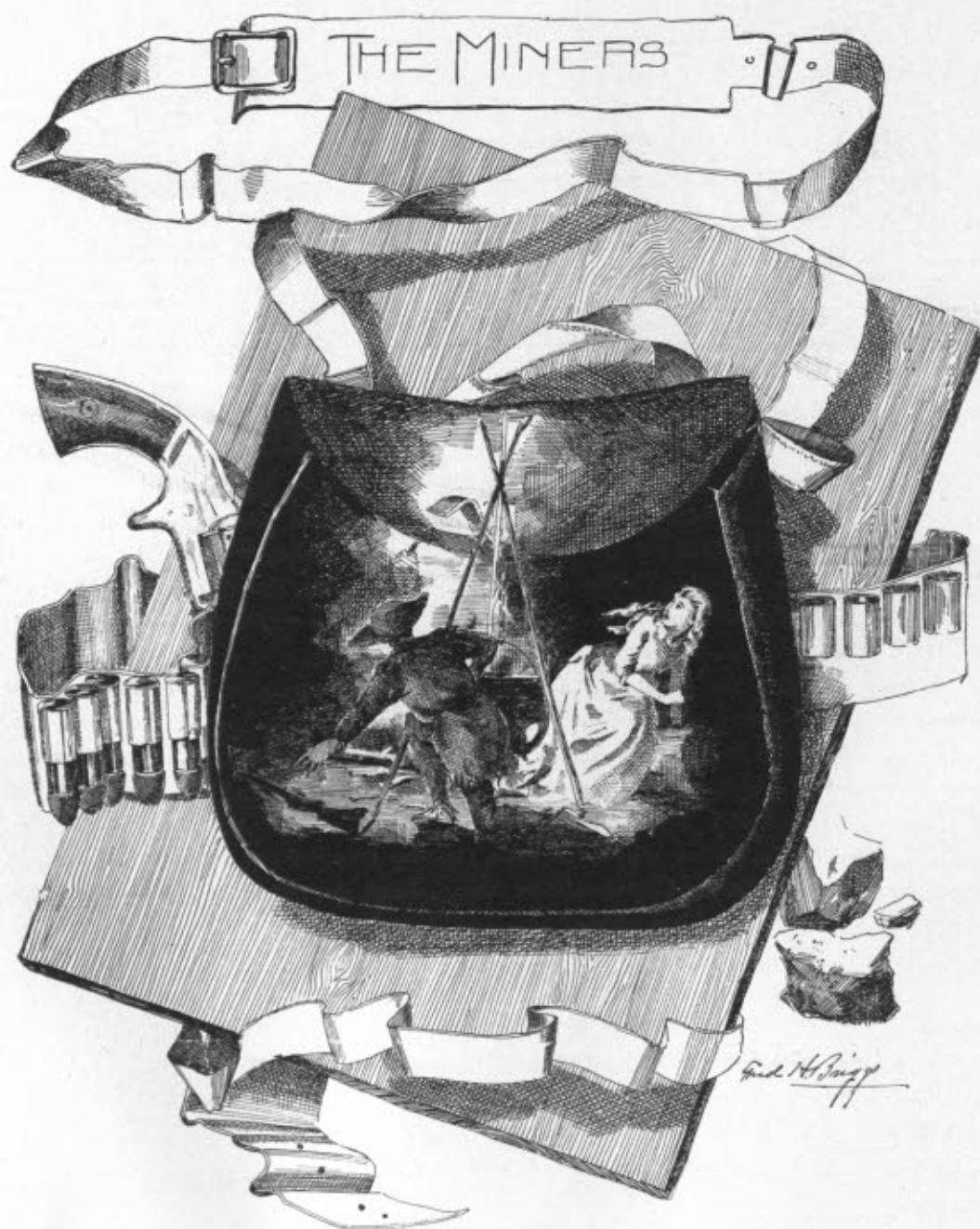
I think I'll give the Freshmen a little advice in TECHNIQUE. They might allow their bump of self-esteem to turn their heads into heart-shaped cams, in the belief that they are likely to fall in love with either Descriptive or the Cotton-mule. Now, each of these is a delusion and a snare,—especially the Cotton-mule. Poor dumb beast! Would that he were alive, that I might chastise him!

I suppose all the fellows will come back (by the grace of the Faculty). I wonder if that dude we had in our Course will be here. Don't you remember him—the fellow who wanted some flesh-colored gloves?

Second Mechanical. Did he get them?

First Mechanical.—Why, the little darkey whom he sent after them brought back mourning kids. Probably the quiet little fellow who knows so many funny stories, and the fellow who would wear the loud trousers that spoke for themselves, will both return. Even the man whose hair was curled by Physics, and the one whose head was turned by Calculus,—all, I hope, will be here another year.

S. B. E.





"Old mole! canst work i' the earth so fast?
A worthy pioneer!"

DURING our life at Tech. it depends wholly upon our "option" whether we "work i' the earth" in the Mining Lab. or "on top," in the New Building.

The study of "Options" is our strong point. We started with five (the Course

being revised especially for '92), but the only man in one of them became dissatisfied, and wanted a whole Course to himself. He went to Paris (Me.) with the Co-eds last summer to hunt tourmalines, and while there he talked the matter over with "Roxy." Since then the Faculty has established Course XII., and we have given our last Card to Geology.

This year we were allowed but one option for every two and a-half Miners; but some of the men thought that there was not enough choice, and they petitioned for another subject.

The first option is the only one in which '92 has no representative. Each of the second-option Miners is a combined Civil and Mechanical Engineer and a Metallurgist. The anchor of the tug-of-war team, one of the 'Varsity rushers, all of our baseball men, and most of the other athletic Miners, are in this option.

One half of the third-option men is taking a vacation this year, regaining his health on a ranch. The other half (from Tower "City") has been making some necessary changes in his course this term.

The fourth-option Miners are sometimes called Mining Chemists, and sometimes Chemical Miners; but their burden of names doesn't prevent their making more determinations than the members of Course V. Their Colonel is the only man who sports two platinum crucibles in these hard times.

TECHNIQUE.



When the distilled water-tank once ran dry, it was a Chemical Miner who set up a still of his own. It blew up a few moments later; and when the Chemists had dodged behind their desks, the Miner remained at his place, and as he wiped the hot water and broken glass from his face, he remarked, "A Miner doesn't mind a little thing like that."

The endurance of Miners is wonderful. It is recorded in the "office" that not long ago one of them came to the Lab. before breakfast, and worked all day without food, in order to finish his iron determination.

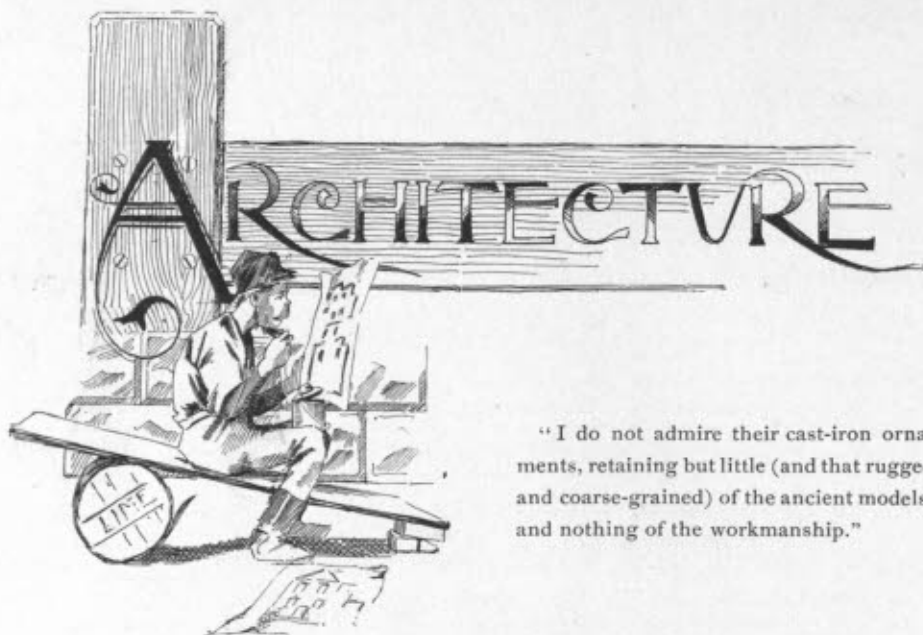
He stimulated himself occasionally by tightening his vest-strap.

We have been "grinds" since the second term of last year. 'Twas then that we first climbed to the blow-pipe lab. of G. Bartonius, and troubled him with questions "not within his province." All of us who survive this Heated term expect to be in the Mining Lab. next year. We are preparing for the high temperature there by spending our spare time in the Mining Library, where there is no thermometer, for fear the fellows may find out how hot it is.

R. H. S.







"I do not admire their cast-iron ornaments, retaining but little (and that rugged and coarse-grained) of the ancient models, and nothing of the workmanship."

JAMES FERGUSSON, the great authority in such matters, has stated that, "Like every other object of human inquiry, Architecture may be studied from two distinct points of view: either it may be described scientifically, or it may be treated historically." In former numbers of *TECHNIQUE* the department of the Institute devoted to this Art has been viewed from the latter standpoint. Now, it may be of greater interest and profit to look at the scientific side, and study the individuals who inhabit those airy halls, where there is "not much talk, only a great, sweet silence." (?)

According to the above-mentioned writer, all arts contain elements which are either Technic, that is, practical; Æsthetic, that is, sensational; or Phonetic, which is educational, and, by another definition, relates to sound.

Selecting a few arts which are connected with our subject, we find the elements existing in them in the following proportions:—

	TECHNIC.	ÆSTHETIC.	PHONETIC.
Heating and Ventilation,	11	1	0
Turning and Joinery,	9	3	0
Gastronomy,	7	5	0
Clothing,	5	6	1
Architecture,	4	4	4
Painting and Sculpture,	3	3	6
Drama,	2	2	8
Eloquence,	0	1	11

In *Architecture* we find the elements equally divided. Judging from the phonetic development of their natures, we may hope for the future success of the majority of our fellow-students; especially those who follow in the wake of D-v-s of Room 21, and S—t of Room 22.

Clothing is essentially practical and æsthetic. For example, that of the "Sweet Singer of Cambridge," who combines these elements to a remarkable degree in his working-jacket. He shows a delicate refinement of patriotism in his choice of blue and white to complete the national colors.



As to *Gastronomy*, need we say that it is practical while Fish Hash and Eclairs contribute so much to our usefulness? Is it not æsthetic, too, so long as the strawberry blonde is present in the Lunch Room to smile upon the handsome Barker, P. J.?

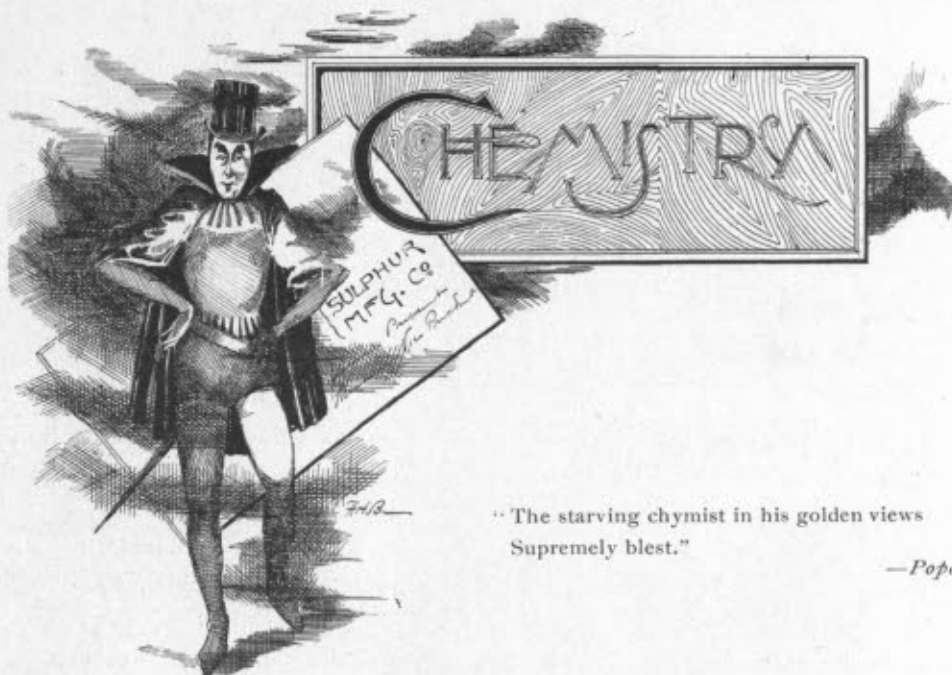
Painting and *Sculpture* are practical and æsthetic in equal proportions. A first-year man proves this by using a two-foot rule in his study of the beautiful at the Art Museum.

Turning and *Joinery*—in other words, matching pennies—is three fourths practical, so says the *Chelseatizen* (copyright 1890). It is also one fourth æsthetic or sensational; a mild excitement in which even the blushing Senior from Dorchester is prone to indulge.

In our table, *Heating* and *Ventilation* are at one extreme, *Eloquence* at the other. In the department of which we write, they are strangely and happily combined. Which of the racked and tortured brains escaping from the deteriorating influence of an atmosphere vitiated by the morbid dust-particles suspended therein, does not recuperate under the influence of the circumambient eloquence which encompasses it in a somniferous nebula during the hour devoted to Heating and Ventilation? (Applaud here while we rest.)

Drama alone remains, overpoweringly phonetic. It is even acoustic, if we may judge from the little drama enacted at the inauguration of the modest exponent of Time's relentless stream. Well can we remember the looks of anguish and affright on the faces of the fair visitors who were about to enter, as there rang out the hilarious greeting to the eight-day mechanism when it was disclosed, with an offering laid before it of the best the lunch room could afford. The sandwich and cheese have long since disappeared, but under the mellow rays of Jupiter's lightnings which bathe its fair face in effulgent radiance, anyone can see that there are no flies on the clock. THUMB-TACK CLUB.





"The starving chymist in his golden views
Supremely blest."

—Pope.

OF THE CHEMISTS, BY THE CHEMISTS, AND FOR THE CHEMISTS.

SHALL we ever forget our entrance into the Lab.,—that perfumed bower with its easy-chairs, its soft carpets, its mirrors, and its Co-eds; where from morn till eve there ascends to the realms above the fragrance of H_2S ? No; never!

For several moments the beauty of the scene bewildered us; but recovering, we took off our hats and hung them on a set of defunct parallel-bars, which were adorned by numerous pairs of holey overalls,—articles with which every true Chemist protects his Plymouth Rocks from the hurtful associations of acid and gas-flame. Thinking them to be very useful articles, each one put a pair under his coat and marched gravely to his desk, encountering as he did so, sundry remarks from the Juniors as to the verdancy of his countenance and the incipency of his mustache.

After scraping acquaintance with the upper classmen, we bought all of their last year's Lab. books, and were ready for the first experiment. How carefully we mixed the chemicals! How closely we scrutinized the precipitate, and how variously we recorded it (after consulting the aforesaid Lab. books) as red, yellow, black, or white!



After this exercise had lasted for several days, we were mustered for recitation. In the midst of awful silence came the question: "Describe the first experiment which you did." It was described. "Now, Mr. ———, what was the color of the precipitate?" After a pause Mr. ——— replied, "I don't just remember; black, I believe."

"Next?" "White."

"Next?" "Crushed strawberry" (from a Co-ed).

A short gentleman who had been cultivating the acquaintance of a sister Chemist, exhibited signs of attention, and declared that he didn't get any precipitate at all; whereupon the instructor complimented the members of the class upon their close observation of phenomena, and informed them that there was a precipitate which was yellow.

After the introductory experiments, substances were given to be tested qualitatively. We were very successful in this line of work; in any substance we could find any elements which we thought the instructor expected to see.

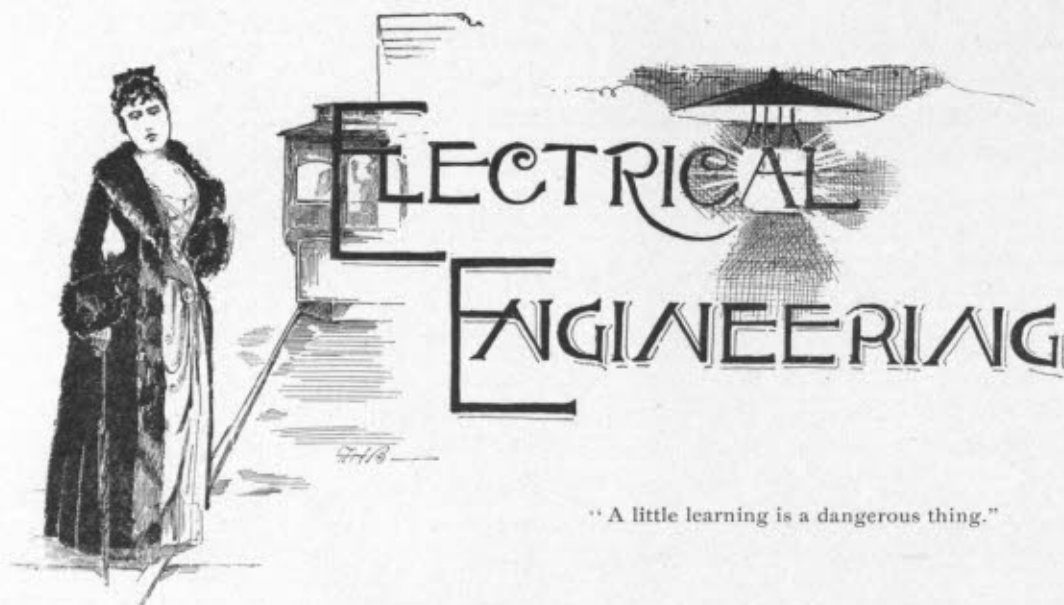
Later in the year came quantitative work, the mathematical part of which was much more difficult than the chemical. We could always tell when the Miners were about to calculate their results. They all did it at the same time. Apparatus was put away, Lab. books were borrowed from the Chemists, and the task began. After several hours, results were generally attained which satisfied the instructors, if not the conditions of their individual determinations.

Perhaps we cannot do better, in closing, than to relate an incident of our work which is thoroughly characteristic of Course V.

One day in early summer several young ladies who were visiting the Laboratory were heard to cry, "Fire! fire!" We turned quickly, and beheld a dense cloud of blue sulphurous smoke, which completely enveloped one of the desks. Just then the Doctor, who was passing down the aisle, quieted their fears and aroused our mirth by saying, "Don't be alarmed; it is only W——, who has dropped his lampstand into a nest of beakers."

C. B. G.





"A little learning is a dangerous thing."

HOPING to get some items relating to the private life of Tech. students, the editor of *Town Topics* sent a reporter to Boston. While visiting student haunts, this individual happened in at the Old Elm, and was about to happen out again when he espied a party of tired-looking youths in a corner, apparently making measurements of gastric capacity for fluids. A number of copies of Maxwell (surreptitiously borrowed from the library) were lying about. From these he judged that the men were Electricals, so he ventured the question, "What do the Electricals in your school learn?" The student addressed artfully avoided direct answer by replying, "Well, we're assigned all that the other fellows have, and some things in addition;" and then mournfully proceeded to polarize himself with an amber solution contained in a schooner-shaped glass vessel. "So you try to drown your griefs here, do you?" sympathetically inquired the reporter. "Yes," was the weary response; "but we have to keep on trying, for every cussed one floats." Deeply impressed with this new fact concerning the specific gravity of sorrow, the reporter pursued his inquiries. His chief, who had hoped for something of absorbing interest, soon received the following report:—

"Course VI. is one of the most popular of the Institute electives. Its headquarters are in Room 15, which is also used as a coat and umbrella exchange and a private

lunch room. Electricals do not often speak of Freshman year, for this undifferentiated period is unfashionable and painfully homogeneous. The first really distinct shocks come in Second-Year work. Then, while carving slabs of kindling-wood into queen-post trusses and other abortions, they manage to pound their thumbs and lose their tempers at least fifteen times (most students far exceed this total). In the Machine Shop they learn to rough out to within one sixty-fourth inch of final dimensions many of their preconceived ideas—notable among these being the delusion that Course VI. is a snap. Pete's mechanism affords such excellent drill that students at the blackboard have been known to invent hitherto impossible mechanical combinations, when requested to do so by a persuasive instructor with a red voice. The practical knowledge thus gained is invaluable, for no 'Stute graduate has ever tried to wind an aneroid barometer with a latch-key.

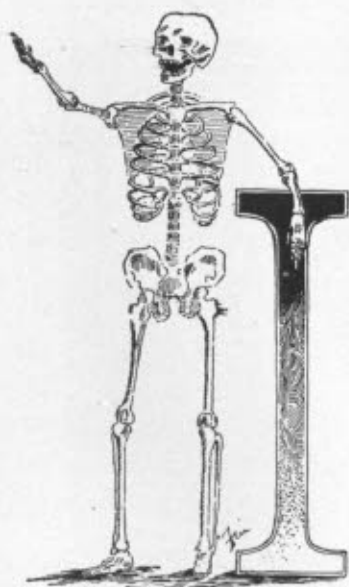
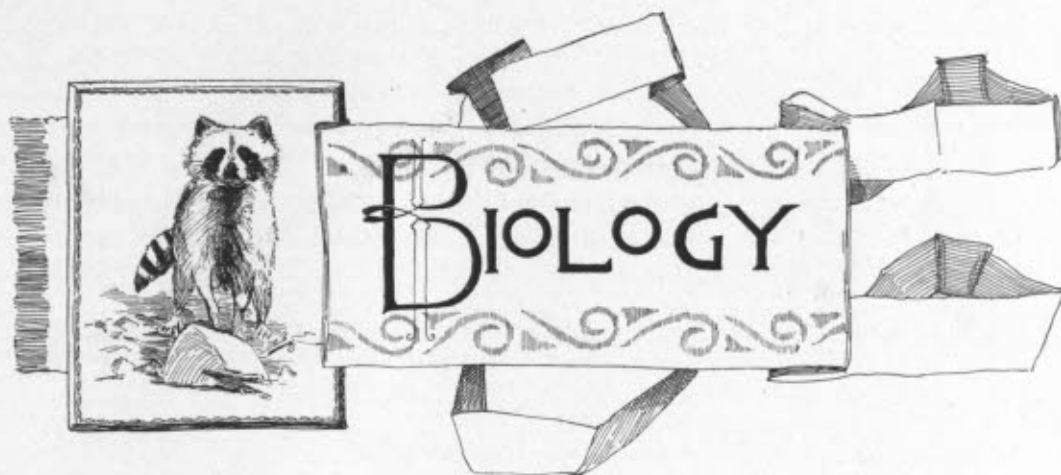


“Third Year finds the Course reinforced by some college graduates, to whom, in consideration of their superior attainments, the untitled cheerfully yield the earth. This angelic disposition is further shown by the uncomplaining way in which fifty-six electricals crowd into a recitation room designed for forty, and then wait until quarter past the hour for the Professor. During the interval the accommodations and the Professor are cursed impartially. The men have recently discovered that the difference between Zeuner's diagram and a geometrical spider's web, lies in the circumstance that the former is drawn upon cold-pressed, and the latter upon a gaseous dielectric. Their skill in numerical computation is so great, that at a recent class election the tellers were unable to count the ballots accurately without the aid of the Electricals' candidate.

“As stair-climbing is highly recommended for exercise, the health of the Electricals is carefully provided for by putting successive recitations in different buildings, generally as far apart as possible. As an offset to this, however, they are allowed one whole desk apiece in the drawing room. In callow Sophomore days one desk was considered ample accommodation for three; but more room is needed for Juniors to spread their dignity properly. The number of students is still too large for the comfort of the Electrical Department; but in consideration of the two hundred dollars paid to the unemotional image who receipts term bills, most of them will finish the Course, and drop the regulation number of joyful tears upon the coveted S. B.”

L. D.





A WORD FROM AN OLD RESIDENT.

It is a long time since I have spoken to anyone, and if I should utter these words aloud instead of writing them, I fear that it might cause the cold shivers to run down the listener's back. So TECHNIQUE has kindly asked me to use her columns as a means of avoiding such a disagreeable result.

As far as theory goes, I might not be supposed to know much about Biology; but if there is anyone in the Laboratory, man or Co-ed, who has attended more lectures or watched more laboratory work than I, please bring that person to me immediately, that I may see if he or she has lost as much flesh by application to work as I have.

The members of the osseological drawing class are, I think, particularly indebted to me, for I have posed often for them, and even allowed them to remove certain detachable portions of myself to distant parts of the Laboratory. Right here let me say to those members of the drawing class who have not yet thanked me for my services, that

TECHNIQUE.



I may be found in Room 13, Rogers, between the hours of 1 and 2.15 A. M., ready to receive them and their thanks. Please bring no flowers.

My domain is not entirely without poetry, for I frequently have distinguished visitors who take such a fancy to the Laboratory that they never leave it, but devote their lives to the cause of Biology. All sing:—

The f'Owl and the Pussy-Cat went to see
What they could find in the Lab.;
But the poor things perished,—woe is me!!
Stretched out on the marble slab.

This is another case where the public is requested not to send flowers. There are plenty of botanists in my department to look after any floral decorations which may be necessary.

Do I believe in evolution? I should think I ought to, from the number of discourses which I have heard on the subject, although it is not at all pleasant to have the Professor point at me and say that my bones do not differ materially from those of a monkey or a baboon. He should show more regard for my feelings. Am I not the presiding genius of a place where bottles of cholera, diphtheria, small-pox, etc., are the least of the mysteries which may be met at every turn? Are not lectures on Microbes, Heredity, Alternation of Generation, passing through my head constantly?

When I weary of pondering upon such subjects as these—and, as my mental faculties are not what they used to be, I get tired rather easily—I like to watch the blue-green Sophomore come in and try to tell the Professor all about the microscope. While he is doing this he breaks all his cover-glasses, blurs his objective with water (wondering in the meantime why he cannot see anything), draws a picture (diagrammatic) of an air-bubble and labels it "starch-grain," and then marches out of the Laboratory ready and willing to receive an appointment from the State Board of Health as "Microscopist for the Commonwealth."

Did you ask if I ever felt lonely? Well, I confess that since Jordan "rolled" I have felt somewhat forlorn, as well as slightly frightened, not knowing what to expect from the wild bacteria when their trainer was not around. At such times, however, I chat with the old turkey "who lived on the hill," and we congratulate each other that we are not boxed up or glass-caged, as are so many of our kind.

TECHNIQUE.

If you, my readers, will kindly remember that although I am not far enough gone to be put in an asylum, my brain is not quite so extensive to-day as yours,—or most of yours, at any rate,—and that I have not engaged in any literary pursuit for many years, I think you will excuse these rambling remarks.

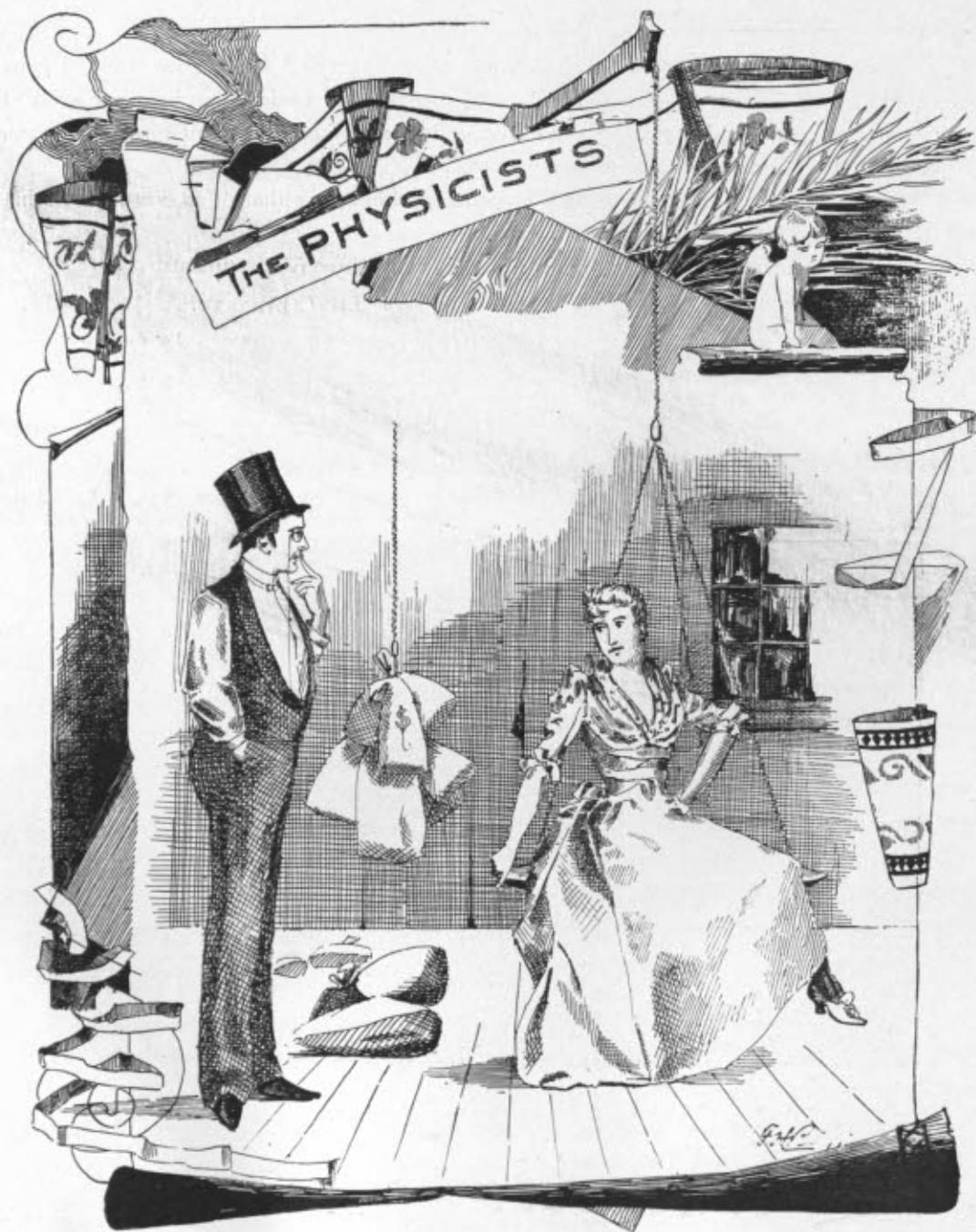
Hoping to make the acquaintance of more of you, now that it is known at what hours I am open to visitors, I remain,

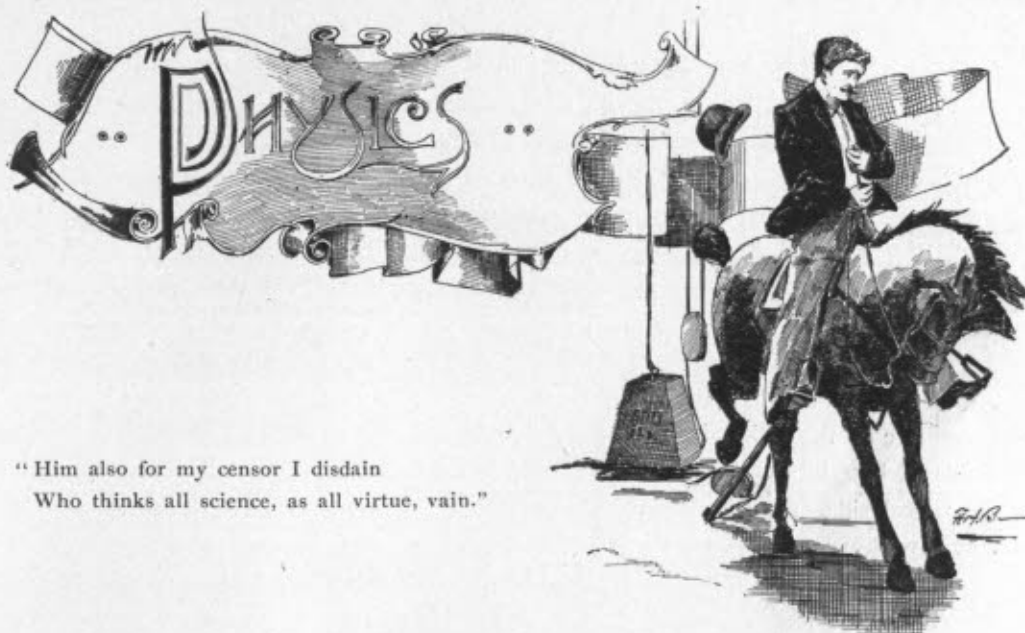
The affectionate and obliging friend of all Course VII. students,

BON(E)APARTE.

Per A. H. B., S.B.







"Him also for my censor I disdain
Who thinks all science, as all virtue, vain."

THE driver mounted the stage, the postilion cracked his whip, the "ponies" started on a "trot," and we, a select company, were off on a "coaching" trip, under the guidance of Charles, our coachman. He was a mild-looking man, with a fine high forehead, and was noted for his skill in taking people through the most difficult places with seeming disregard for consequences.

Our postilion, Harry, a bright, interesting boy, was so enraptured by the passing beauties that he soon showed a disposition to neglect his work. This sorely tried the patience of our coachman. Still, we could not get angry with Harry, for he was the best of company, and played divinely on the pipes and forks.

We stopped at the Co-operative Inn for lunch. The logarithmic table was constructed of natural sines and cosines; the plates were of tourmaline. Each of us was given a double quantity of "pointers," which we swallowed whole, with no thought of the mental indigestion which was sure to follow. We then listened to a few remarks, which were clearly enough "very interesting."

The horn sounded and we were off again, and soon entered a cavern, amid clouds of smoke, fumes of sulphur, and a bombardment of generators. Gradually it grew lighter, and we entered a large space, in the centre of which, on a high pedestal, stood

TECHNIQUE.



the Pope, to whom the "Infants" monthly make confessions. A little farther, our voices were Drowned amid sighs and lamentations. Gladly we left that place of awful odors and Moody chemists.

We then passed into the realms of Art and Architecture. All was silent and still as death. A number of men, dressed in their best bib and Tucker, were sketching rapidly. DeVining that we were not wanted, we passed on.

Soon we were attracted to the field of the Electricals. Gamb(o)ling around among the apparatus we beheld a score or more of the to-be motor-men. Some shone out clearly, as if adapted for electric lights; while others were trying to find a safe conductor over the hard Rhodes of the theoretical side of the subject. A number of Commutators were scattered over the field, and walking to and fro were a few Imitators, who wore pretty neckties, carried their handkerchiefs in their inside coat pockets, and began every sentence with "Simply on account of the fact that —." Let their youth and innocence be their excuse!

As we sped along we could not help comparing our Course with the others that we had seen. What harmony reigns among the Course VIII. men of each class! One member is chosen leader; he is captain of both the baseball team and the football team, which the Electricals so fear. He stands at both the head and the foot of his Course at one and the same time. His opinions are law, and all his wishes are obeyed. He is looked upon as one of the rising men of science, following in the footsteps of such men as Holman, the author of those "*blank*" pages on Heat, and Pickering, the star-gazer. We sincerely hope that our rising star of '91 will perpetuate his name by giving to the Institute men a New Method for Study with the Least Expenditure of Energy.

Our trip ended all too soon. Upon reaching "Old Fifteen" we saluted it with a hearty cheer. Then, feeling that our trip had been a pleasant and profitable one, we bade good-bye to "ponies" and "coach" and passed through the portal. Again Harry stood before us, and as we looked he wrote upon the board the familiar legend, "Closes at 4.15."

G. V. W.





"Whence is thy learning? Hath thy toll
O'er books consumed the midnight oil?"

Once upon an evening cheery, when, with brain far, far from weary,
I was seated in my sanctum, reading of the days of yore,
While I studied came a rapping, not a gentle sort of tapping,
But a real good solid rapping, rapping on my study door.
"Tis some visitor," I muttered, "rapping at my study door;
Oh! these visitors are a bore!"

If they would a moment ponder, they would surely cease to wonder
Why my looks are black as thunder when they enter at my door.
Now it may as well be stated, and to all the world related,
That our work is never hated, though we never cry for more.
Yes, *our* work is never hated (though we sometimes are quite sated),—
That's why visitors are a bore.

Then my stranger guest I greeted, asked him if he would be seated;
Thoughtful was his face, I noticed, and no smile his features wore.
When he told me his position, told me, too, what was his mission,—
And I saw his real condition, saw that he was troubled sore,—
It indeed seemed great good fortune that he knocked upon my door,
Though at first he seemed a bore.

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Thus he spake: "I seek real knowledge; not the kind
one gets at college,
But the sort that won't desert me when my student
days are o'er.
Not exactly Engineering is the Course which I am
steering,
Yet real work I am not fearing,— yes, I thirst for
Learning's gore."
"He really likes to work," I murmured; "thirsts in-
deed for Learning's gore!
I'll sing to him of Levermore."

"And my mind is ever turning, yes, it constantly is
yearning
For the study of Statistics, which to many seem a
bore.
'Tis to me a pleasure rare figures ever to compare,
And deduce, with minute care, facts that were unknown before."
"Dewey is the Prof. you're seeking, with statistics bristling o'er;
He's your man forevermore."

Once more to the stranger turning, all my soul within me burning
With desire to help this student in his efforts after lore,
Quickly to him I related, with an ardor unabated,
How high Course IX. work was rated,—told it to him o'er and o'er:
Told him of our two Professors who of learning had such store,—
D. R. D. and Levermore.

Told him how this Course was aiming (various subjects to him naming)
At a training which would help us when we opened wide Life's door.
"Never mind where Fate may take you; though the future make or break you,
Course IX. training won't forsake you; it will help you o'er and o'er."
And the thought of such a training thrilled my guest
to his heart's core;
"Course IX.," cried he "evermore."

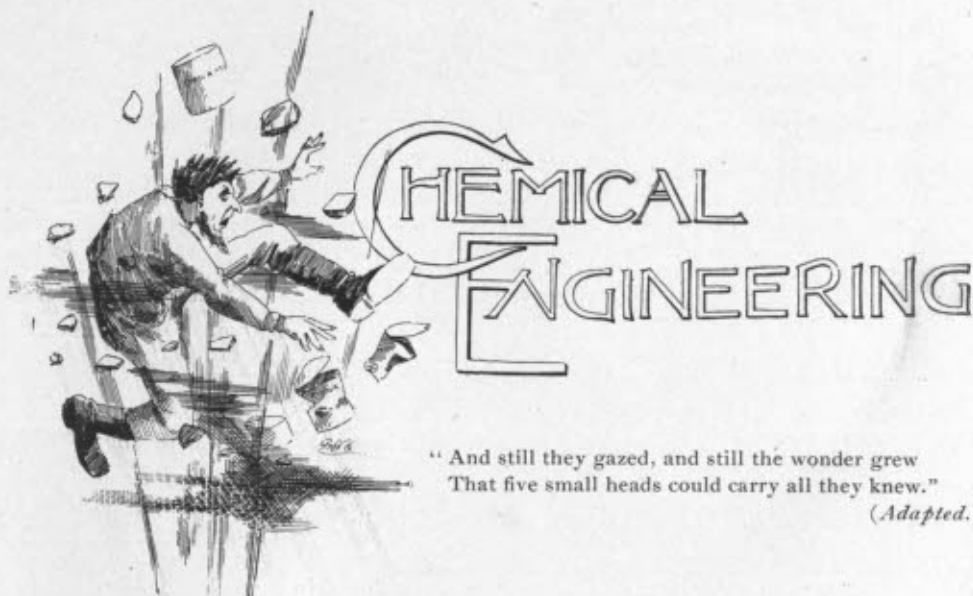


To-day my guest, with numerous others, climbs the
many stairs in Rogers,
To attend the various lectures and partake of
Course IX.'s lore.
Greatly changed now is his bearing; on his face bright
smiles he's wearing;
By Course IX. he, too, is swearing, as he never
swore before.
With us now his voice he's raising, Levermore and
Dewey praising,
And Course IX. forevermore.



T.





"And still they gazed, and still the wonder grew
That five small heads could carry all they knew."

(Adapted.)

COURSE X. may be regarded as a "composite" of two of the other Courses; in it you may discover all the prominent features of each. As is often the case with composites, it has lost much of the charm of individuality, but has at the same time gained strength and character. Considerations of this nature influenced five '92 men of assorted sizes to "follow" the Course. Two were handicapped at the start by a refusal of recognition by the papal C.; but one day they read in a little \$1.50 pamphlet, from "the usual place," that there are many results which can be reached only by a process of "trial and error." Acting upon this suggestion they tried again, and got there.

When we entered upon our Course work we were introduced to the Analytical Lab., where we spent our "afternoons off" in making the acquaintance of a number of Unknowns, who were very coy about disclosing their identity. Perhaps the most striking experiment that term—in results, at least—was to determine the effect of H_2SO_4 on another man's laboratory garments. The members of our Course also assisted in a qualitative analysis of '93 on the South End Grounds. The tests showed that as a group their reactions (in the presence of H_2O) were weak, and we reported a noticeable absence of SiO_2 .



After the Qualitative we were Ferry'd across Quantitative, and are now busy with Industrial and Organic. The latter is very pleasant, because many a man who would otherwise never meet them during the four years, has here an opportunity to see great numbers of C's and H's.

During our Sophomore year, when we were analyzing Geometry under the kindly guidance of the Walker Professor of Mathematics, an incident occurred which we think should be made public, and, therefore, we take this occasion to spring it. He told us that the minute and careful explanations in his book were written, "not because they are necessary, but just to help you fellows." That indicates exactly the difference between the W. P. of M. and some of the other Profs., doesn't it?

We have lamed ourselves all up trying to write something pleasant about Descrip. We can't do it; but if you want badly enough to know our opinions, come in some day and ask our Gold Medal High-Pressure Profanity Man.* We feel just the same, only more so, about Physics.

Of our other *experiences we will mention only those in the Engineering Building. There we were thrown into contact with the Mechanicals, with whom we learned to drive a mule, to feed by hand, etc., and took part in the Second-Year Drawing, in which, much to our disgust, every man drew a blank.† We also listened to many thrilling tales from one of our number who has a complete stock of them.

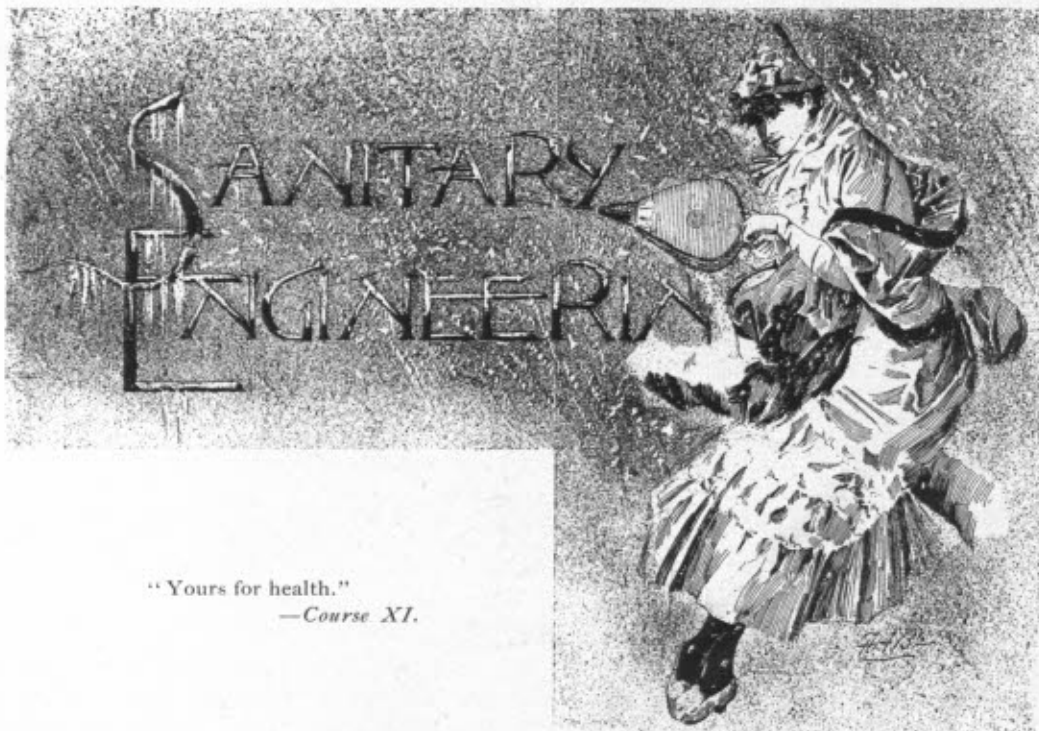
Gentle Reader, we have tried, in the limited space allowed, to make the impression that Course X. is not so bad as it looks on the Tabular View. It is not a snap, by any means, and it is not what the average man is sighing for. Including, as it does, two radically different lines of work, he would very probably get F's in the one and C's in the other. Box and Cox could not occupy his mind together, so one would be likely to stay there the greater part of the time.

We who are Chemical Engineers realize that it was by foreordination,—or in the case of '92 perhaps *five*ordination—that we were led to make this Course our choice. By this we achieve a rightful distinction as men of double-expansion intellects.

* Caution.—This experiment should be performed under the hood.

† Gear blank.





"Yours for health."
—Course XI.

Nor quite two years have passed since the Faculty, yielding to the earnest request of certain of the students, established a new Course. What that Course was it is not necessary to state. It is now known and talked about all over the country.

These young men wished to take at the same time Course I. and Course V., with as much of Course VII. as could be fitted into the spare hours; for they were very industrious, and did not care for "afternoons off." Alas! they were then young and inexperienced Freshmen, and they knew little of the trouble which was to be the result of their folly. The Faculty thought such a Course would be impracticable, because of the insufficiency of hours in the week; but by the advice of the Professors of Mathematics they arranged it by adding Course V. and Course VII., and finding the difference between their sum and Course I., thus: $5 + 7 - 1 = 11$.

We were those foolhardy Freshmen, and for us was Course XI. thus originated. Much to our surprise, in view of the heavy burdens which we have had to bear in the



last two years, we are still alive. The time has not passed, however, without ill effects. One of our number constantly wears a *Chasened* expression as the result of the trials and tribulations of the Course, and the Physical growth of another has, I fear, been stopped forever. Mentally, however, his expansion is unchecked.

Although we are few,—as might be expected in such a difficult Course,—we are provided with a Shepherd to guide us in the right path, and a dignified Dean to watch over our progress. Our experience has taught us, as you may have already noticed, to form modest opinions of ourselves. Oh that we knew half as much now as we thought we knew when we were Freshmen!

We have learned, moreover, that our Course has many pleasant features, not the least of which is the variety of employment which it offers. When we weary of evaporating solutions in the Chemical Laboratory, we can go to Revere and build a railroad or two, or to the Biological Laboratory and examine microbes.

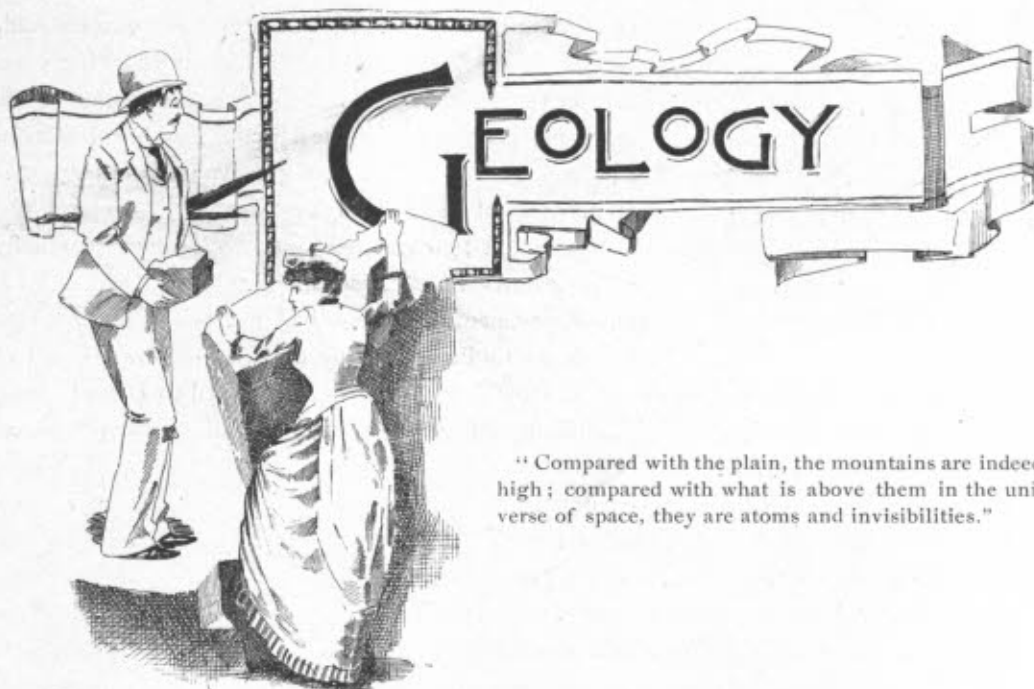
Let it be distinctly understood that we are *not* learning to be plumbers; consequently all offers of work in that line which our fellow-students have kindly promised us upon our graduation, are refused.

As a Course, we cry out against that insulting term which has been applied to us.

"The Sewer Department," forsooth! Every day, and from all over the world, we receive offers of lucrative positions; but we refuse them all, for we wish to show the Faculty that a graduate from Course XI. is not an impossibility.

G. A. M.





" Compared with the plain, the mountains are indeed high; compared with what is above them in the universe of space, they are atoms and invisibilities."

THIS Course is the youngest of the family which has been brought into being by the aggregation of sages which controls our existence at Tech. For this reason they regard it with more or less favor, as is shown by the fact that each one of the Junior members is allowed an instructor in Surveying, while the Civils have to divide one instructor among twenty students.

You have never heard of the Geological Course? Then it will be necessary for us to describe its formation.

It is a sort of conglomerate, containing large and hard pebbles of chemistry, biology, surveying, and paleontology, together with smaller ones of German and zoölogy, scattered rather thickly through a bed of tough geology, giving a hard and apparently durable Course, for as yet no signs of weathering have been discovered.

Now, as you understand perfectly the formation, you will appreciate the beauties which we have discovered and the delights which we have experienced in this Course, that is as yet but partially explored.



Without guiding stars in the shape of predecessors, and ignorant of the dangers which might be encountered, we struck out boldly into the field of study, taking comfort in the thought that if we lost our way among the outcrops, designated by the strictly Technical symbol F, our experience might be of great value to future generations of First and Second Year men.

The first two weeks of our work consisted chiefly of interviews with the so-called "heads" of the various departments. These had a twofold purpose: to enable us to determine by experiment the amount of patience possessed by the various Profs., and incidentally we were expected to come to some understanding with them concerning Conflicts, which at that time was the most prominent study on our Tabular View.

Then we commenced making excursions to the suburbs to gaze at ledges and sand-banks, and were told all about top sets, back sets (with which latter we were already somewhat familiar), "*et cetera, et cetera, et cetera.*" After a few trips we were able to distinguish between a vein and a dike, and became skilled in recognizing "faults" in the ledges, although our Professor was also successful in pointing out other typical faults of comparatively recent formation. Each week we shared with Course V. the pleasure of wrestling with Analytical Methods, and inhaling the aroma of *Schwefelwasserstoff*,—but this recollection makes us weary.

The Geological Course offers to budding Sophomores numerous advantages. If after the Annuals they do not go West, and grow up with the country, they can join Course XII. and grow up with *it*. It is non-mathematical; there is out-door work three-quarters of the time (or less), and an abundance of spare hours (noons and Saturday afternoons). Further reasons can be obtained by asking the Secretary for a Course XII. leaflet.

We take this opportunity to warn the members of Course III. that they can no longer lay claim to the title of Knights of the Hammer; and the Civils must surrender their boasted supremacy in out-door work, for these now belong distinctively to the thriving infant Course XII., which bids fair to become one of the most important of the Institute Courses.

H. D. C.





GASTRONOMIC ENGINEERING

THE Course in Gastronomic Engineering, although the last, is one of the most important of the professional courses at the Institute. It offers many advantages to the student who comes hungering for the special research it affords, and from its establishment, its laboratories have been crowded to their fullest capacity.

In addition to the regular requirements for entrance to the Institute, the applicant for admission to this Course must be skilled in the use of gear-teeth, possess a moderate knowledge of mill machinery, and display marked alimentiveness. It is primarily a Course that requires constant and regular attendance, and the student is obliged to keep well up with the assignments, as cramming does not compensate for daily deficiencies.

It is a proof of its popularity, and of the interest taken by the Corporation in the growth of the infant Course, that in order to make room for the extended laboratories in the Cradle of the Institute,—the Rogers Building,—the Engineering Building was built.

During the last of the Course visits may be made to Young's Laboratory and to the Parker and the Adams Gastronomic Works, where opportunity will be given for original work by the students in the application of principles already learned.



TECHNIQUE.

Candidates for the degree for Bachelor of Gastronomics must pass satisfactory examinations in all of the professional subjects. The degrees, Master and Doctor of Gastronomics, are awarded for uninterrupted advanced courses of respectively one and two years' duration.

To those who have not seen the official announcements of the Thirteenth Course, the following schedule of prescribed and optional studies, although in part a rehash of other courses, will be interesting.

XIII. Gastronomic Engineering.

FIRST YEAR COMMON TO ALL COURSES. (See page 208.)

Second Year.

FIRST TERM.	SECOND TERM.
Internal Mechanism.	Fishercal Geography.
Elements of Nutrition.	Drawing and Rendering.
General Pieology.	Chemistry of Foods.
Military hard-tack-tics (Advanced Course).	Proteids, Carbohydrates, and Fats.
Natural Selection.	Analysis of Croquettes.

Third Year.

FIRST TERM.	SECOND TERM.
Orders.	Refrigeration.
Pea-bo-dynamics.	History of Stomachics.
Elements of Hash Construction.	Hygiene and Public Health.
Gastronomic Laboratory.	Gastronomic Laboratory.
Meateriology.	Advanced Mathematics—Chronic Suctions.

Fourth Year.

FIRST TERM.	SECOND TERM.
Clammatology.	Saucerology.
Spherical and Practical Gastronomy.	Theory of Deglutition.
Fatometry.	Tripeography.
Quarter-onions.	Theses.
<i>Options.</i>	<i>Options.</i>
Bay Window Construction.	Domestic Economy: Distribution and Consumption.
Theory of Elasticity.	Banting: Formulas for Reduction.
	Method for Least Square Meal.
	What You Chews.



Summer School Of Mines in Michigan.

It has now become a custom for several Professors from the Institute to conduct summer schools for practical work in their respective departments. Such a school was organized immediately after the close of the last spring term by Professors Richards and Hofman. The members were men from Course II., enthusiastic over the Mining Option, who wished to spend a month in work at the mines.

The party of twelve students, with their instructors, left Boston, Wednesday, June 6th, and in two days reached their destination,—Ishpeming, Michigan.

The field of operations chosen by Professor Richards was the plant of the Lake Superior Iron Company. One day was devoted to a general examination of the mines and machinery, and to getting acquainted with the processes and methods employed. To facilitate the work, the students were then separated into three parties of four men each.

To the first party was assigned the task of making a partial survey of the interior of the mines. After measuring a certain space on one level, they passed to the next lower, and worked back from that to the starting-point. The results were afterward plotted, and a map was made, showing the ground covered.

The second four men were set at work among the Cornish miners. They thus learned the important details of timbering, track-laying, hand-drilling, etc.

A surface map of the plant was made by the third group of students, who also collected data for a geological section through the workings of the mines. It is hoped that the map, when completed, will prove of value to the Company.

TECHNIQUE.

By this apportionment of the Course it was made of unusual interest. Excursions to neighboring points, among which was the Ropes Gold Mine, also added to the pleasure of the trip.

After twenty-five days at Ishpeming the class broke up, and its members departed to their homes feeling that they had gained much useful experience. They hope that, for the benefit of future classes, summer schools will be continued as a regular feature of the Institute Courses in order to furnish what is of the greatest value to the student,—the opportunity to learn the practical details and difficulties of applying the theoretical methods taught in the classroom.

Summer School of Civil Engineering.

THE day following Commencement, a party of ten members of Course I., with Professor Porter and Messrs. Robbins and Babb as instructors, left Boston for South Deerfield, Mass. Their object was to gain experience in the field work of the Course. They reached their destination the same day, and established headquarters at the Bloody Brook House.

The class spent three weeks in and around the town and on the Connecticut River. Professor Porter directed a base-line measurement, which was determined with an accuracy of one in two hundred thousand. The students made a contour map of a portion of each side of the river. This was supplemented by stadia work, under the direction of Mr. Robbins. After ascertaining the height and location of South Sugarloaf Mountain by triangulation, the class also attempted to find its height by the barometer, and to determine its coefficient of refraction.

Hydraulic measurements, which took the place of those assigned for the regular work of the fourth year of Course I., occupied the latter part of the time. The party cleared the underbrush, driftwood, etc., from the banks of the river for some distance, and obtained data for a cross-section of the stream. By means of float measurements they also found the average velocity of the current. The class are using the results of this work during the present term.

The entire party made an excursion to Holyoke on one occasion, to inspect the water-power of that city. They visited several paper-mills, and had nearly accomplished the ascent of Mount Holyoke when rain drove them back. Two members made a geological trip to Turner's Falls to examine the famous fossil foot-prints.

It was the custom to begin work as early as eight o'clock in the morning. Every evening the entire class assembled in the hotel parlors and discussed the work of the day. A certain amount of drawing and indoor work, which was reserved for rainy days, was not completed, as the expedition was favored with exceptionally pleasant weather during the stay at South Deerfield.

King Arthur at the City of Vankees.

. . .

My Gode Quen and Spowse Gueneuere:

Thys Dape haue I uerily seene queynte and odde Thynges. Of hem alle, that which I most didde wonder at was thys, to wyt:

At Noone, when the Sonne was hygh, as I didde faren on the Strepte of the Boyled Stone, in this greate Citie of the Hubbe, afore of me I herde a Stripsyng sey vnto his Mate, "Come and haue Lunch, on me." He seyd "Sure." Methought withyn me "What may this mean? for it soundeth Deuyfische!" I most skillfullpe, therefore folwed the Twayn for to see.

We drew near to a great Hous, wher stode a motley Croude, which listened to a Jester which song Dittyes and made Antikes in the Strepte. He was garbede in striped Hose, with Doublet and Cappe. As I past I aared a Wight who this Jester moght be. He answered me, "I know him not, but he belongeth to Hammerntongs, which hath Manye like him."

Him whom I folwed now ladde me in straightway to a hygge Hal (in the which myne Eyen fell uppon a Damoselle imprisoned in a Cage of Bras, which I would fayne haue rescuede from hire dire Plyngh) and thence adoun a Twistyng Staire.

The Pyre warede hot, and there came to Myne Eares a Sounde as of Gnashyng of Teeth, and I told myne Bedes as I hasted, with manye an inward Feeryng, on.

And Lo! I came into a Chambre fillen with other Strip-lynges, which were of wonderfull Lookynge, and whose Seruauntes were captive Damoselles, which brought for hem Vesselles of sauorye Stuffles which they et with manye a Lip-smack. Of the Youthes manye were dressed as Women, in Skirtes, save that here Skirtes were cutten in Twayn, that they moght steppe the more faster. Moreover, they wore about here Nekkes marvellously hyghe Ruffes, with Silken Kerchifes of great Size.

I sat me down and pondered deep, and saw a Younglyng enter and bid a Damoselle get for him a Cuppe of Cowes Milk. I gueryed of myne Nayboure who this moght be, and he seyed: "Of a ueritye he is a Freshemanne, which is a Wight who lives on Cowes Milk and kindye Wordes."

Anon passed there by us Another, of Princelye Mien, which spake in Lordye Tones, "Never more will I eate in this Plac, bycause, forsooth they haue no Bier." "Now trewely," seith I, "this is a Nederlandish Knight," but manye did lassen on him and cried "Soff! Soff!" and I vnderstode it notte.

My Nayboure now arose and gat him from one of the Damoselles a rounde Puddynge, with divers Thynges therein seyng it was a Pye. This he et with manye a pleasaunt Gibe, for he was an Arketekt, and Pye was to him Life's Staffe.

There came a Manne which seemed as he had a melancholick Humoure. He et nought save Water and Bred, of the Value of five Pieces of Coppre. "Doth he a Penaunce?" quoth I. "Nay, not so; he is in sooth a Slave which instructeth us, whose Maistres graunt him but few Monyes. May the Seyntes pitye his Condictioun!"

Much awareye of the Turmoyle I sought ageyn the twistyng Staire, and wounde myself up to the Toppe, where I had seen the brasen Cage and captive Mayd. Another Knight had set her free, I thought, for she was no longer there. I therefore gat me with Haste out of the Hous, and was once more on the Strepte of the Wypled Stone, chauntynge Praises and Thanks that my Life was lefte me.

The Hour neares when I must needs go to see performed a Frankish Morality Playe, so myn other Aventures of this Daye I will tell you at a later Time.

Bear my Love to Launcelot and the other of the Boys. Of a Truthe I would muchely like to take a Hande with hem this Night at the Rounde Table.

Voure Servaunte and Well-wishyng Lorde,
Arthur, Rer.

Post Scriptum.—I shewed myn peynted Likenesse of you to that Arkitekt, and he seyd you must be a Lookoo.





"A BETTRE felawe schulde men nowher fynde."—*F. P. -m-ry.*

"AND riche he was of bold thought and werk;
He was also a lerned man, a clerk."—*Dr. T-l-r.*

"His resouns he spak ful solempnely."—*Dr. N-y-s.*

"AND though he holy were, and vertuous,
He was to sinful man nought despitous,
Nor of his speche daungerous ne digne,
But in his teching discret and benigne."—*Dr. R-nkl.*

"AND though that he was worthy, he was wys,
And of his port as meke as is a mayde."—*S-ud-r-ck-r.*

"BENIGNE he was, and wonder dilligent."—*Dr. V-n D-ll.*

"IN al this worlde ne was ther non him lyk."—*B-rr-s-n.*

"BUT ye be merye, I wol geve myn heed."—*Prof. N-l-s.,*

"His head was balled, and schon as eny glas,
And eek his face as he hadde been anoynt;
He was a lord ful fat and in good point."—*Prof. Cr-ss.*

"His eygen twynkeled in his heed aright
As don the Sterres in the frosty night."—*Prof. P-b-d.*

"HE taughte, but ferst he folwede it himselve."—*Prof. W-lls.*

"BOLD of his speche, and wys and well i-taught,
And of manhede him lakked right naught."—*Dr. S-dg-w-ck.*

"WEL cowde he rede a lessoun or a storye."—*Prof. C-rp-nt-r.*

TECHNIQUE.

"BUT if were eny persone obstinat,
What so he were, of high or lowe estat,
Him wolde he snybbe scharply for the nones."—*Dr. D-pp-ld.*

"OF studie tooke he most care and most heede;
Not oo word spak he more than was neede,
And that was seid in form and reverence,
And schort and quyk, and ful of heye sentence.
Sowning in moral vertu was his speche,
And gladly would he lerne, and gladly teche."—*Dr. L-v-rm-r.*

"TO lyven in delite was all his wone,
For he was Epicurus owne sone."—*G-ll.*

"THER wiste no wight that he was in dette
So estatly was he of governaunce."—*M. W-rn-r.*

"AND he was not right fat, I undertake,
But lokede holwe and therto soberly."—*P-r-r.*

"THE man, for the wisdom that he can,
Was schaply for to ben an alderman."—*R-nt-tt.*

"AND certainly he was a good felawe."—*W-nd-ll.*

"His berd as ony sowe or fox was reed."—*L-ck.*

"A WHITE cote and a light hat werde he."—*ll-n.*

"AND yet he was but esy of dispense."—*W-ll-ms.*

"FUL longe wern his legges, and ful lene;
Al like a staff, ther was no calf y-sene."—*G-mbl.*

"NOWHER so besy a man as he there was,
And yit he semede besier than he was."—*B-r-r-g.*

"BUT al that he mighte of his frendes hente
On bookes and on lernyng he it spente."—*T-ll-nt.*

"HE born him wel, as in so litel space
In hope to stonden in his lady grace."—*L-b-nst-n.*

"OF their diete mesurable were they,
For it was of no superfluité."—*The Football Eleven.*

"AND eek ye knowen wel the jay."—*The Sophomore.*

- "His studie was but litel in the Bible."—*E. C. H-II.*
- "If he foughte, he hadde the heiher hand."—*H-rv-y.*
- "A NUT-HEAD hadde he, with a broun visage."—*P-r-z.*
- "A STOUT carl for the nones,
Ful big he was of braun, and eek of bones."—*d-ms.*
- "Of his complexioun he was sangwyn."—*W-rth-ngt-n.*
- "Of his stature he was of even lengthe,
And wondeirly delyver and gret of strengthe."—*K-l-s.*
- "A LOVYER and a lusty bachelor
With lokkes crulle as they were layd in presse;
Of twenty yeer he was of age, I guess."—*G-ttl-b, '91.*
- "AND he strong was as a champioun;
He knew the tavernes wel in every town."—*H-ghl-nds.*
- "Of cotes and robes had he many oon;
So great a purchasour was nowhere noon."—*Wh-tm-n.*
- "SOMEWHAT he lipsede, for his wantonnesse,
To make his Englisch swete upon his tunge."—*L. B. V-n-ng.*
- "No berd hadde he, ne never scholde have;
As smothe it was as it were late i-schave."—*H-g-r, '93.*
- "HE lovede chivalrye,
Trowth and honour, fredom and curtesie."—*W. P. Gr-y.*
- "AND certainly he hadde a mery note;
Wel coude he synge and playen on a rote."—*H-z-lt-n, '94.*
- "SYNGING he was, or fluting al the day,
He was as fressh as is the moneth of May."—*H-wl-y, '93.*
- "FUL lowde he sang, 'Come hider, love, to me.'"—*Dr-ss-r.*
- "SHE of her smyling was ful symple and coy."—*The Co-ed.*
- "OF hem ful glad and blithe was every wight."—*The Architects.*

TECHNIQUE.

"BOLD was his face, and fair, and reed of hewe."—*H-m-lt-n, '91.*

"FOR Frensche of Parys was to him unknown."—*G. J. Bruh-m.*

"FOR by my trouthe, if that I schal not lye,
I saugh nogt this yeer so mery a companye."—*The Senior Dinner.*

"THESE same men let olde thinges pace,
And helde after the newe world the space."—*Twentieth Century Club.*



"EKE therto he was right a mery man."—*D-rt, '91.*



"ME and the President."—*R-ts, '91.*

"PULL down the blind, love."—*C-rt-n.*

"FULL well hath Clifford played the orator,
Inferring arguments of mighty force."

"BRING me no more reports."—*The Junior.*

"I MASK the business from the common eye
For sundry, weighty reasons."—*Su-d-r.*

"MORE matter for a May morning."—*Exams.*

"BESIDES 'twas known he could speak Greek,
As naturally as pigs do squeak."—*P-r-sch-s.*

"THE fop sets learning at defiance,
Scoffs at the pedant and the science."—*B-ckl-y.*

"MUCH Ado About Nothing."—*Freshman drill.*

"SHALL I go on? Or have I said enough?"—*C-lk-ns.*

"MINGLE a little folly with your wisdom."—*W. Z. R-ply.*

"HE had only one idea and that was wrong."—*The "Boston Herald" Man.*

TECHNIQUE.

- "SHORT and Sweet."—*W-ntw-rth and Sw-ts-r.*
- "ENGLISH, quite English you know."—*R-b-rts-n.*
- "LA beauté du corps passe vite."
The beauty of the corpse passes quickly.—— '94.
- "Tis not my talent to conceal my thoughts."—*M-y.*
- "HE had a face like a benediction."—*D. P. B-rtl-tt.*
- "HE could on either side dispute,
Confute, change hands, and still confute."—*C-ik-us.*
- "HE hailed the Bird in Spanish speech."—*d- C-rv-lh.*
- "I AM so fresh that all the grass,
Turns pale with envy as I pass."—*H. C. W-t-rm-n.*
- "YOUR fair discourse hath been as sugar."—*Sw-n, '91.*
- "ONE whom the music of his own vain tongue
Doth ravish, like enchanting harmony."—*P-ck-rt, '93.*
- "HE was a scholar, and a ripe and good one."—*G-d-ll.*
- "THE ruling passion, be it what it will
The ruling passion conquers reason still."—*H-yw-d, '93.*
- "I AM not in the roll of common men."—*Professor F-nc.*
- "SOMETHING original, something brand new."—*Class of '94.*
- "I GRIEVE if e'er great Homer chance to sleep."—*Architects.*
- "If this be so,
Then wot I will, I must forego
Love-liking and mankind all clean."—*Victims of Shopwork.*
- "SOMETIMES a violent laughter screwed his face."—*M-th-ws.*
- "E'EN Sunday shines no Sabbath day to him."—*The Grind.*
- "YOU would not wish to count this man a foe!"—*P-ch-n, '94.*

"If fortune take not off this boy betimes,
He'll make mad work, and elbow out his neighbors."—*F-tz.*

"WHEREWITH the student shall be bravely clad."—*The drill suit.*

"God tempers the wind to the shorn lamb."—*'94 after the Semies.*

"My conscience bids me ask, wherefore you have
Commanded of me these most poisonous compounds."—*Dr. N-rt-n.*

"GREATER men than I may have lived, but I doubt it."—*W-ntw-rth.*

"A little while ye hae been mine,
Nae langer can I keep ye;
I fear ye'll ne'er be mine again,
Nor any ither like ye."—*G-rm-r, '91, '92, '93, '9.*

"WHEN she will she will, and you can depend on't,
And when she won't, she won't, and there's an end on't."—*The Bird.*

"SOON as thy letters I unclose
That well-known name awakens all my woes."—*J. B. H-nck, Jr., Sec'y.*

"He lived and he died and he was a little lower than the angels."—*Sl-d.*

"NOT that I loved study less, but that I loved football more."—*B-tt-, '93.*

"Now Jove, in his next commodity of hair, send thee a beard."—*F. H. M-rr-ll.*

"Ah! were to do a thing as easy as to dream of doing it!"—*'94 Football Eleven.*

"SHE is all my fancy painted her, she is lovely, she is divine."—*La belle Bibliothecaire.*

"EGOTISM—Suffering the private I to be too much in the public eye."—*K-fm-un, '91.*

"He is so plaguey proud, that the death tokens of it cry 'No recovery.'"—*V-ll-nt, '91.*

"NACH dem man Louis XVI. in einem Salon einige Erfrischungen gereicht hatte,
führte man ihn in einem Wagen zuruck."

AFTER taking Louis XVI. into a saloon for refreshments, they carried him home
in a wagon.—*My.*

"NATURE herself stood back when thou wert born, and cried, 'The work's not
mine.'"—*R-ch, '91.*

TECHNIQUE.

"I know little about poetry; but it appears to me, when he has not the ague, he has the cramp."—*Cl-g-h-r.*

M-T-H-W-S (*to Professor Van Daell.*).—"This *is* just the word you want. It gets there! I looked it up very carefully myself."

"You will find it is the modest, not the presumptuous, inquirer who makes a real and safe progress in the discovery of truth."—*Professor Cr-sby.*

To Linus Faunce, Assistant Professor of Drawing, this quotation is lovingly dedicated by his admirers.

"GIVE us, oh, give us the man that sings at his work! Be his occupation what it may, he is equal to any of those who follow the same pursuit in silent sullenness. He will do more in the same time, he will do it better, he will persevere longer."—*Carlyle.*



A Little Flirt.

A little flirt?
Ah, yes! 'tis true
Her eyes light up with rapture new
For each last charmer.
And yet, forsooth, no charm would be
Within those eyes for you or me,
If she were not
A little flirt.

TECHNIQUE.

PROFESSOR R.—“Before going on with the lesson of the day I want to take up a few examples that I have here on the board.” Here he gave one of his characteristic winks.

“Take the first one” :—

$$\frac{d(\text{Dresser})}{d(\text{Cribbing})} = \text{Special.} \quad \int \text{Special } d(\text{Cribbing}) = \text{Dresser.}$$

“Here is Number two” :—

$$\frac{d(\text{Sophomore})}{d(\text{Self-importance})} = \text{Freshman.} \quad \int \text{Freshman } d(\text{Self-importance}) = \text{Sophomore.}$$

“Those are very simple. You will see them at a glance.”

“Now for the third. Tell me, does $\frac{dy}{dx} = \sqrt{\frac{a}{x}}$ represent a curve or a straight line.”

CLASS.—“A curve.”

PROFESSOR R.—“Gentlemen, there are always two ways of guessing.”

CLASS.—“Ha, ha! A straight line—Ha, ha, ha!”

PROFESSOR R.—“Yes; that's right. It is a straight line, but what line? Well, it is the expression for the tangent line to M-s-rv-'s beard. You will find by integrating that this curve is a parabola, whose equation is $y^2 = 4ax$.”

“That's that.”

PROFESSOR R.—“Listen, now! Now are you ready? I want to tell you something. Mr. Cl-ff-rd has a mustache! Perhaps you have discovered that before. Did it ever occur to you how long he, has been raising it?

“By careful observation and subsequent calculation, in which the necessary corrections (and there were a great many) were applied, I found that the Coefficient of Growth of said mustache is .00000000001145. We will designate this by y . I worked long on a formula for this, and here is the result.

$$y = \frac{d}{dt} \left(\frac{l_t}{l_o} \right)$$

in which l_t is the length at the present time and l_o the length when it started, and is, of course, o .

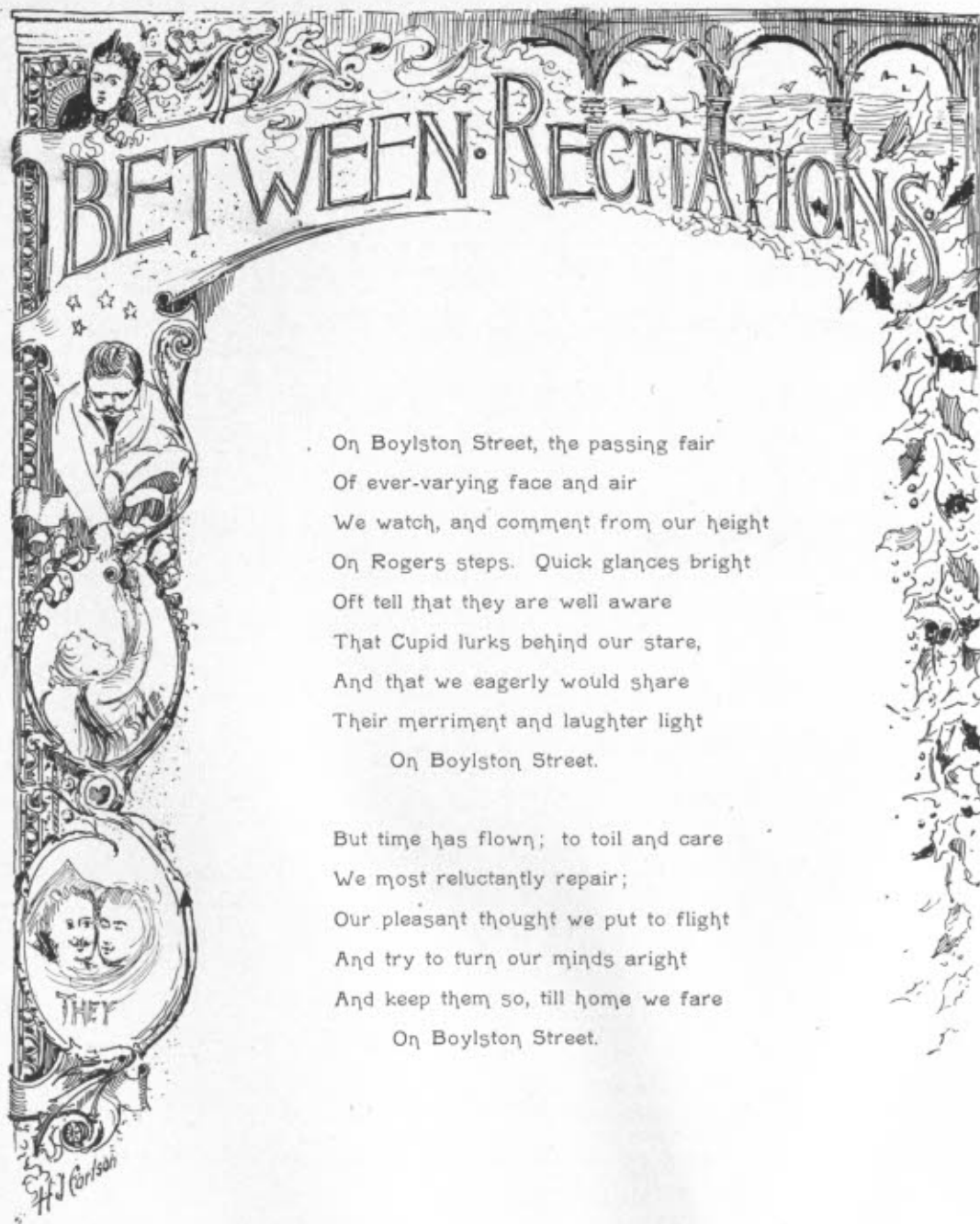
“Differentiating, we get

$$y = \frac{d}{dt} \left(\frac{l_t}{l_o} \right) = \frac{d}{dt} = (1 + at + bt^2 + ct^3 + \dots)$$

“Or

$$y = a + 2bt + 3ct^2 + ydt^3 + \dots$$

“Here a is evidently o . The values of the other constants you can readily find by reference to your tables. Thus you can readily calculate ‘ t ,’ and you will be surprised to find how large ‘ t ,’ is.”



BETWEEN RECITATIONS

On Boylston Street, the passing fair
Of ever-varying face and air
We watch, and comment from our height
On Rogers steps. Quick glances bright
Oft tell that they are well aware
That Cupid lurks behind our stare,
And that we eagerly would share
Their merriment and laughter light
On Boylston Street.

But time has flown; to toil and care
We most reluctantly repair;
Our pleasant thought we put to flight
And try to turn our minds aright
And keep them so, till home we fare
On Boylston Street.

TECHNIQUE.

I Love Her.

With skin so dark and curls so light,
With nose so red and dress so tight,
With form so taper and so slight,
She sets my heart in such a plight

That father, mother, sister,—all
Do warn me from her wily thrall;
Yet still I answer to her call,
And every time I do it, fall

From grace into those nervous chills,
And scores of other kindred ills
That leave me in a state that kills
All save my family doctor's bills.

She leaves me cross, and makes me fret;
With wakeful nights I am beset;
But still, in spite, I love her yet,
My charming little Cigarette.

W. Y. C.

Our Colors.

The Red and the Gray.

When rosy Morning in the east
Calls those who sleep from bed,
And gives the world her crimson light,
She waves our flag of red.

When, after twilight, Evening calm
Proclaims the close of day,
She veils the red and all the world
In lovely mists of gray.

ENVOI.

We must work with a will by the rosy red,
We must work with our might by the gray;
Our colors proclaim to the wondering world,
At Tech. we must work night and day.

A. P.



One Junior's Incentive.

Away in the West there is waiting for me,
In a fair little farm on the plain,
A sweet blue-eyed maiden; methinks I can see
Her, as oft I have seen, standing simple and free,
'Mid the waves of the golden-tipped grain.

A year more of toil, then how eagerly I
Will turn from the hurrying throng
Of the East; and with study forever laid by,
I will haste to her welcome delightfully shy,
The beginning of happiness long.



APRIL 30, 1890.

One afternoon in gentle, smiling spring,
The Sophs and Freshmen, Ninety Two and Three,
Assembled on the field, all rallying
In baseball to decide supremacy.

The Denver duke, with gleaming golden crown,
His brass-band brought along,—musicians rare;
A barrel-organ too, the worst in town,
Shed double-jointed music on the air.

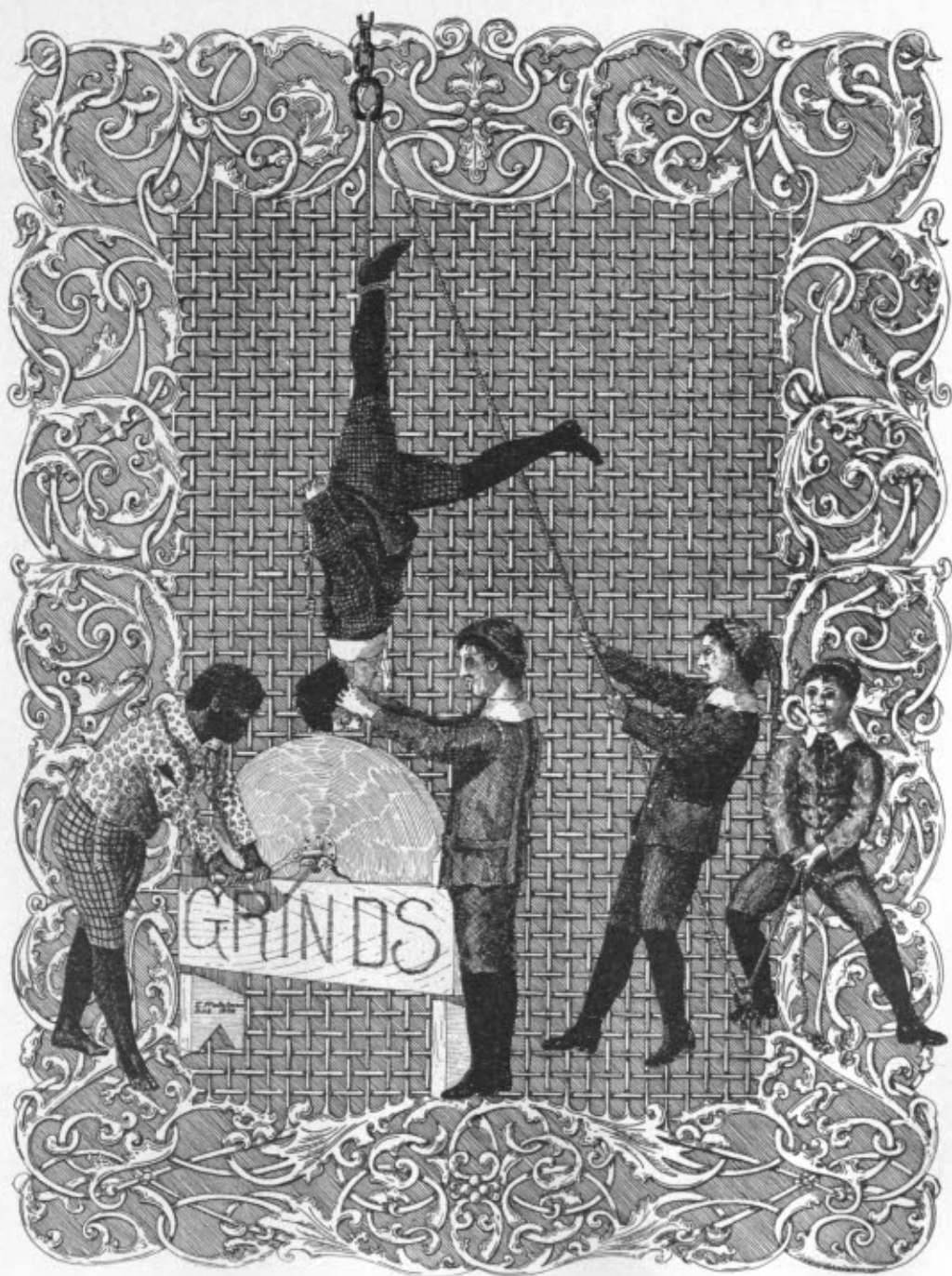
With calm and steadfast hope on either side,
The game began: however 'twas not long
Ere many a Freshman wished he might have died
Before that day (which was, of course, quite wrong).

They played their little best, we have no doubt,
But fortune favored not; it was a bleak
And chillsome day for them. They soon found out
That they were never in it, so to speak.

The stalwart Sophs, through medium of the sphere,
Traced curves before unknown. Their brilliant plays
Inspired in their opponents quaking fear,
But drew from all their friends exultant praise.

Whene'er they made a run (the Red and Black)
A joyous sound arose,—a grand combine
Of band, hand-organ, Orren Allen; lack
Of plaudits was there never for the nine.

And thus the game continued till the score
Had reached fifteen to six. It ended then,
And Ninety-Two had made one conquest more
To prove the prowess of her mighty men.





That is Tech's ball and
Robert's must be hurt again.
M.S.

Grinds.

THE first grind.—The Freshman's India ink.

D-PP-LD.—“That will do.”

G- -TZM-NN (*frantically guessing again*).

D-PP-LD.—“Yes, yes. I know what it means.”

IN the “Shed.”—“Left, right.”

IN the examination room.—“Wrong. Left.”

“Is Mephistopholes an artiodactyl?”—*W-rth-ngt-n*.

PROFESSOR (*calling names of those absent*).—“H-rv-y.”

H-RV-Y.—“Did you say I wasn't here?”

Professor turns pale and takes it all back.

GRIND, Ground, Grounded.—Technology's common verb.

M-NL-Y (*to Professor*).—“I believe you *are* right.” “Well, here! Let me draw a plainer figure for you.”

WONDER if P-rr-sh has seen his friend from Worcester yet.”

TECHNIQUE.

URCHIN.—“O Mickey! Look at the architects!”

MICKEY (*with scorn*).—“They’re not architects; they’re ‘Techs.’!”

C. E. STUDENT (*making an observation on Polaris to set the true N.*)

PROFESSOR. B-RT-N.—“Keep the cross-hairs on the star.”

STUDENT.—“I can see a piece of the star on either side of them.”

FIRST FRESHIE (*seeing TECHNIQUE bulletin*).—“What is TECHNIQUE?”

SECOND FRESHIE.—“Why, the catalogue, of course.”

WELL, '94, did you go up to 53 Rogers at eleven o'clock the first day?

H-W-RD, '91, gets off one of his characteristic speeches in French class.

V-N D-LL.—“Ca, c'est dit comme un Freshman.”

SECOND-YEAR GERMAN.—Mr. V-g-l, “What gender is *ei*?”

MR. S.—“I do not know, sir. You will have to wait until it hatches.”

MR. SM-TH.—“Why did you put a statue of Liberty in your fountain?”

MR. SYLV-ST-R (*a would-be architect*).—“Because water is free.”

PROFESSOR (*In Acoustics*).—“Give an example of sympathetic vibration.”

STUDENT.—“The wagging of a dog's tail.”

RH-D-S.—“Is that $\frac{\pi}{2}$?”

ST-DL-Y (*taking a large bite*).—“No; this is π raised to the teeth power.

P-r-sch-s.—“I cannot get less than an honor. I have too much common sense.”

SO SCHWATREN sie die drummen Lente. So prattled the dumb people.—M-rr-ll, '92.

STUDENT (*reads*). “He was living in a cave. (*Translates*) ‘Er lebte in Einer Hölle.’”

V-N D-LL.—“No; it was a much cooler place than that.”

SCENE (*Co-op lunch room. Someone steps upon a parlor match; explosion and strong smell.*)

WAITER (*excitedly*).—“What's that?”

STUDENT (*calmly*).—“I stepped on a piece of pie-crust.”

“I WOULD like to go to heaven, but would rather stay here where I am better known.”—'91.

THE men who are going to take Applied Mechanics say they are “going to join the Lanzas.”

“WOLLTE Gott! dasg er wär todt!” Mr. Paraschos translates: “Glory to God! he is dead!”

Sufficient Proof.

PROFESSOR TYLER.—“Did you perform all the deduction of that problem at the board, Mr. Gr-y?”

MR. Gr-y.—“Oh yes, sir. Why, I can show you the place where I erased it, sir.”

TECHNIQUE.

At Tech. I'm a well-known Junior,
And already an income I gain;
I'm consulting electrician
In lighting air-castles in Spain.—*All-n, '92.*

RESPECTFULLY suggested to the Corporation: that, as they have seen fit to erect the buildings of the Institute at such distances from each other, and without elevators for the students' use, they change the motto on the great seal of the Institute from "*Mens et Manus*," to "*Mens, Manus et Pes*," as being more indicative of the development resulting from the various courses of study provided.

"Oh Clifford, why did you an F F give?"
"Simply on account of the fact."
"I studied so hard and expected to live."
"Simply on account of the fact."
"I wish you could make it an L. or a P.;
You ought not to flunk a good student like me,"
An argument Clifford could not clearly see,
Simply on account of the fact.

Paraschos.—His Joke.

WHAT does a Carpenter have to do with English?
He knows how to use Emery to polish it.

A Sample.

CONSEQUENTLY therefore I think you must see of course that it is a perfectly simple matter to determine that there is no possible method whatever simply on account of the fact.



Yes, and they dropped
the bale of hay on the
drill floor and I caught
the hay fever.



A Bull.

In the Lab. at the top of the building called New
(Which it isn't), there happened
one morning
This incident, which, as 'tis known
to but few,
We repeat, that it may be a
warning.

A guileless young Freshman a
taper let fall
In some alcohol, which it ignited;
Then he in alarm the Professor
did call,
Who came, and great wonder
excited

By seizing a wash-bottle standing
near by,
And trying, with vigor extreme,
To put out the fire with its meagre
supply,
And its infinitesimal stream.

His Innocence blew till we thought
he would burst,
But the trouble he couldn't sub-
due;
And his Infallibility mentally curs't
His luck till the air was dark-
blue.

A Discussion in Acoustics.

WILLIE.—"Freddie, can you tell me why Cl-f-rd's mustache is like a closed organ pipe."

FREDDIE.—"No. Why?"

WILLIE.—"Because it has a loop at both ends and a node in the middle."

FREDDIE.—"Why a node? I should think that it was a loop, because a loop is the point of minimum density."

Two Birds With One Stone.

ONE afternoon early in October, the members of Course VII. dissected half a dozen rabbits in the Biological Lab. The next day the "extra" on the co-op bill of fare was, "Very Fine Corned Beef Hash.

TECHNIQUE.

"FORTY-TWO" reads the Freshman as he climbs up the stairs;
"We're for Room fifty-three; shall we ever get there?"

HATLESS FRESHMAN (*rushes up to Mr. B-r-r-s-n and demands fiercely*).—"Did you take my hat?"
MR. B. (*calmly*).—"I am an instructor."
H. F.—"Oh!"

CL-FF-RD in Physics lecture, automatically lecturing with his mind on the Adams House, nibs the end of his pointer with chalk.

He writes his name "George V.,"
And strange it is to me,
The catalogue should state:
"George Vincent Wendell, VIII."

MR. J-N-S wants to know what are the cheapest features on our faces, and then turns round and tells us, "our nostrils—two for one (s)cent."

ON account of the wear and tear on the knives, the Co-operative Society lunch room will, in the future, charge ten instead of seven cents for a piece of pie.

DIRECTOR OF FIRST YEAR CHEM. LAB.—"I want to warn you about tasting the grape juice on the side shelf, we have put some arsenic in it.

STUDENT (*trembling*).—"Please Sir, did you put any arsenic in the alcohol?"

'Tis an old superstition that fish-food makes brains.
If true, our acuteness it partly explains;
For the maid of the Co-op. was once heard to say
That "Fifty fish hashes were sold here to-day."

MR. EM-RY thinks it probable that the author of Beowulf was an Angle. If we may judge by any sine in the quotations which we have read, he must have been a very acute angle.

PROFESSOR F--NC- (*becoming confused as he calls the roll*).—"If any man is absent and somebody else answers to his name, that man will be marked absent whether he is absent or not."

Nine (that is, the General Course) bears no specific name,
Because each student in it has a very different aim.
No narrow limitations circumscribe his future worth;
Ere the time of graduation he's prepared to "run the earth."

PROF. V-N D--LL was passing through Rogers corridor just before one of his lectures on Goethe. A "full-fledged American gentleman,"—as the professor expresses it—stopped him to inquire which was "the room where Mr. Goethe lectures on Faust."

AFTER failing to obtain "a lighted jet of illuminating gas" from the Supply Room, ———, '94 performed the experiment with a match, and then made the following entry in his note-book: Burned Mg.; gave off dense white fumes; C. was deposited, and resolved itself into its constituents.

THE ARTIST.
A Tragic-Comedy in Six Acts



TECHNIQUE.

Ninety-Three's Colors.*—Black and Yellow.

AFTER BURNS.

When '93 first came to Tech.,
We taught them how to "quack," sir.
They thought our colors pretty good;
They stole from us the black, sir.

They found we had a yell, and cheer,—
They wished somehow to bel-low;
They did not dare to steal the cheer,
And so they took the yell, oh!

—*Nin Te Too of Pekin.*

Recent Publications.

"THE LOST ESCUTCHEON." A novel, by A. L. G--tzm-nn.

"ALL I KNOW." A two-page pamphlet, by C. F. W--ll-c-. Free on application.

"HOW TO SHINE IN SOCIETY," by All-n Fr-nch; bound in leather. Price five cents. (See page 107.)

"EXPERIMENTS ON THE TENSILE STRENGTH OF STEEL, OR PRACTICAL HINTS IN WIRE-PULLING," by O. -ll-n.

"EIGHT RECIPES FOR SOUP." Joint authorship on the part of the Foot Ball Team. Preface by F. H. M-s-rv-, Professor of Gastronomy, late Professor of Alimentiveness.



Say! Is "Tech" going
to play foot ball this
P.M.?
freshman? I own. A.S.

*Based on the similarity of '93's cheer to our short one.





HEAVE! HEAVE!! HEAVE!!!

BAH! BAH!! BAH!!!

Buzzard Fauntleroy Jon-s.

From Kansas City came a lad to Boston on the Bay,
To get his education, and a little mite of play.

He took examinations, and passed them, so he did,
Without the aid of agents, or e'en the useful crib.

And so he's in the Institute, a worker, by the way;
He'll study every evening—every morning he will play.

To the Engineering branches at first he turned his thought;
But he found them all too easy, and a harder Course he sought.

So Architecture—now his aim—doth occupy his mind.
You'll always find him working; he'll soon be called a "grind."

While at his desk in "23" he works, and paints, and draws,
At the same time sings a ditty, or speaks some classic clause.

He wears some very nobby things, and boasts about his trousers;
He says he has them made at Dunn's, and thinks they are the "rousers."

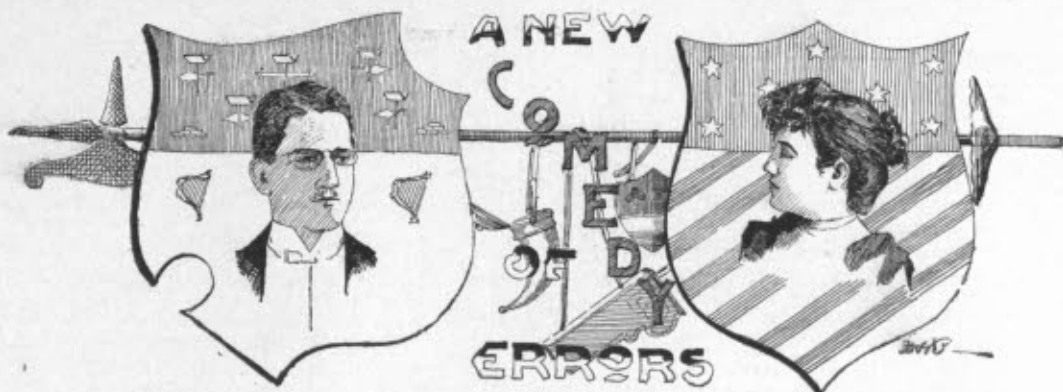
Now, if you'd like to get him mad, and hear just how he talks,
Tell him you bet they're nothing but the best of Plymouth Rocks.

Should you ever chance to please him, or even at him snicker,
He calls you then a "gentleman," or else a "judge of liquor."

He hardly ever bets at all, and rarely he plays pool,
But when there's any raffling, he's always round the school.

If you want to sell a T square, or an easel, or a book,
Just take it to the "Buzzard"; he'll give the thing a look.

I think I must have shown to you his temperament and ways.
Society look out for him; he'll soon become the craze.



My tale is not an epic,
 For you will clearly see
 That the song is not of valor,
 Nor deeds of chivalry;
 But from this simple story
 The inference is plain,
 That it is not well to meddle
 With things you can't explain.

To Mechanics Hall in '90,
 When the Freshman drill occurred,
 A gay Soph and his fair one
 With many more were lured;
 And as the Soph had never learned
 The Terpsichorean art,
 He sought him out a classmate
 Whom he thought would fill the part.



INTRODUCED HIS FRIEND AS SMITH.

This classmate's name was G- -tzm -nn
 (Of the grind this is the pith),
 But the Soph quite lost his bearings,
 Introduced his friend as Smith.
 Though somewhat staggered by this break,
 G. pulled himself together,
 And thought, if conversation lagged,
 He'd talk about the weather.

But the music interrupted
 Ere his wit had played him false,
 And G. and the fair maiden
 Soon were gliding through the waltz;
 And as he deftly guided her
 Through the dance's devious way,
 She asked him where his home was,
 And he said, "In Ioway."

TECHNIQUE.

"Oh, from Ireland!" (catch the error?)
"How glad I am," said she;
"For of interesting countries,
That I most have longed
to see;
And you who are a native,
Knowing each historic spot,
Can satisfy my longing,
And describe it to a dot."

Now G. is not a liar,
But he can adorn a tale
With the most apt prevarication
That ever did avail;
And so on this occasion
You with safety can maintain,
That he got his head in chancery,
And gave his fancy rein.



BUT HE CAN ADORN A TALE.



THEIR CASTLE BY THE SEA.

He told her of his father,
An earl of high degree;
Of the clustering village houses
'Round their castle by the sea;
Of the lakes like gems that
Nestled 'long the rugged mountain way;
Of the streams beside whose
Brawling course arose the ruins gray.

He told her of the tenants,
And the rent-roll's long extent,—
How some had given trouble,
And to prison had been sent;
And then, with moistened eyelids,
Said his father was failing fast,
And to himself, as sole descendant,
Soon the heritage would pass.

The time sped gaily on;
But ere the maiden left the hall,
This Irishman had promised
That he would not fail to call.
He, when the drill was over,
Told the Soph about the lark,
And made him promise faithfully
He'd surely keep it dark.

TECHNIQUE.

Before fond memories of the drill
Had time enough to fade,
A bosom friend of G--tzm-nn's
Chanced to call upon the maid;
And nearly all the questions
That she plied that fellow with,
Were as regards "that darling earl,
That Irishman named Smith."

And as she praised her hero,
With face all radiance,
The friend, not knowing of the drill,
First looked at her askance;
And then, with merry laughter, said,
"Perhaps you'll think it queer,
But I'm sure no one but G-tzy
Would have given you such a steer."



THE SERRIED COLUMN.

The maid he soon approaches,
With his customary grace,
His step is swift and lightsome,
Radiant smiles o'erspread his face.
But they vanish as he nears her;
Must he this sad fate survive?
For the maid who praised the lordling,
Knew not G-tzm-nn was alive.



THAT DARLING EARL.

Then righteous indignation knit
The injured maiden's brow,
But she made her caller promise
That G-tzm-nn should not know.
In blissful ignorance of this
Our hero went his way,
Not knowing that his little scheme
Was open as the day.

The days, and weeks, and months roll on,
The semies are at hand,
And once again in Winslow's Rink
The "serried columns" stand;
And to the drill the maiden comes,
And with her comes the Soph,
And we can well imagine
Our hero not far off.



KNEW NOT G-TZM-NN WAS ALIVE.





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President: JOHN ARTHUR ROGERS.

Vice-President: EDWARD DUTTON CLARKE.

Secretary: CHARLES WILLIAM DICKEY.

Treasurer: RICHARD CLOUGH ANDERSON.

PAGE 82. The total membership of the eight Fraternities is *one hundred and fifty-eight*.

The gain in membership is *two hundred and forty per cent*.

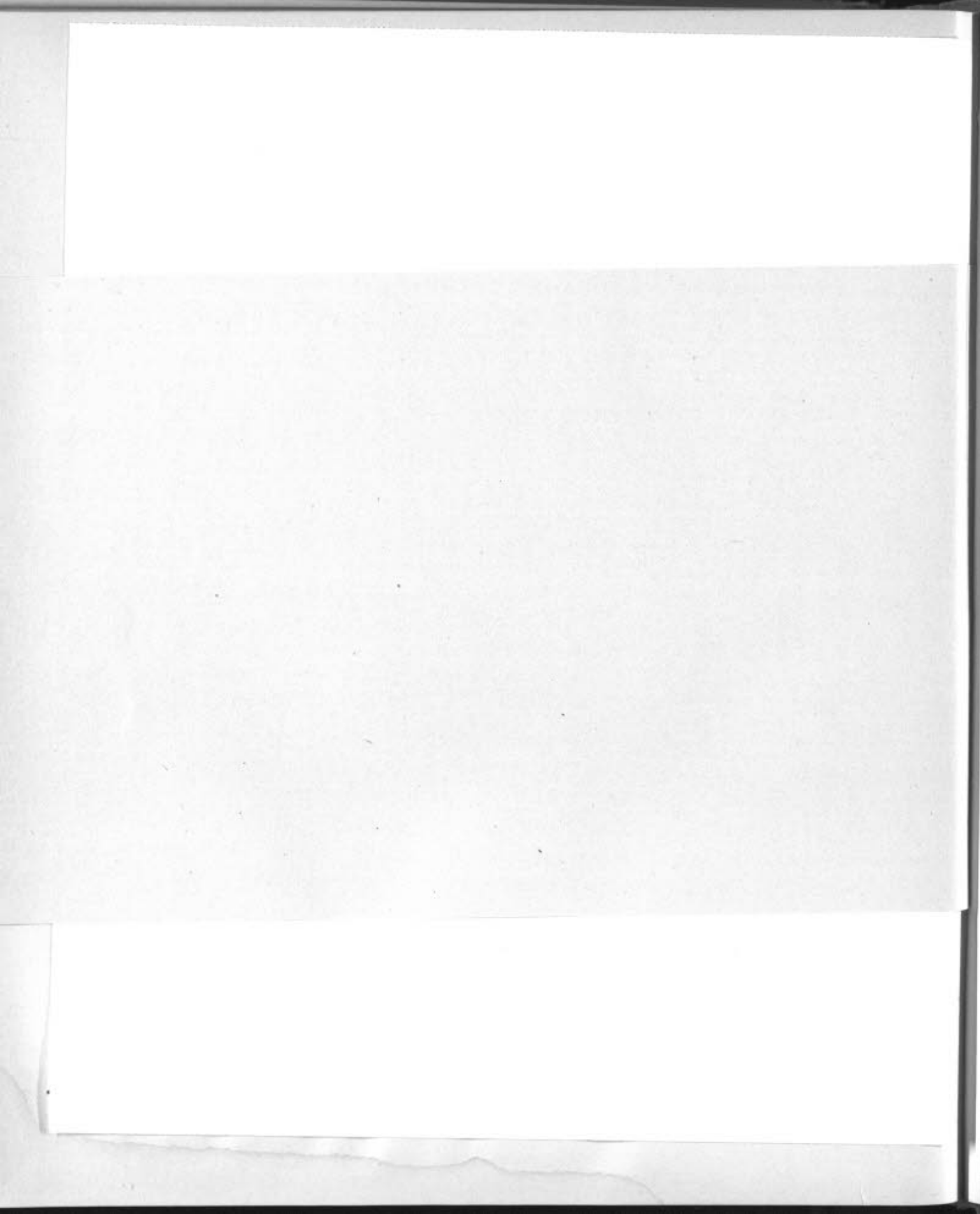
PAGE 98. DELTA KAPPA EPSILON FRATERNITY.

Names omitted: WILLIAM HOWARD BOVEY, GARY NATHAN CALKINS,
GAYLE FORBUSH, ELTON DAVID WALKER.

PAGE 120. CO-OPERATIVE SOCIETY.

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Treasurer: ARTHUR H. FOWLE.



TECHNIQUE.

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Although we have put on the opposite page
 A cut that is marked as "The End,"
 It was only because we desire to pause
 In order to write up a suitable clause
 For the "ads" that we now recommend.

We hope that our readers will study the list,
 And with liberal patronage bless
 The men, one and all, who have answered our call,
 And each paid a sum which, though really quite small,
 Has secured our financial success.

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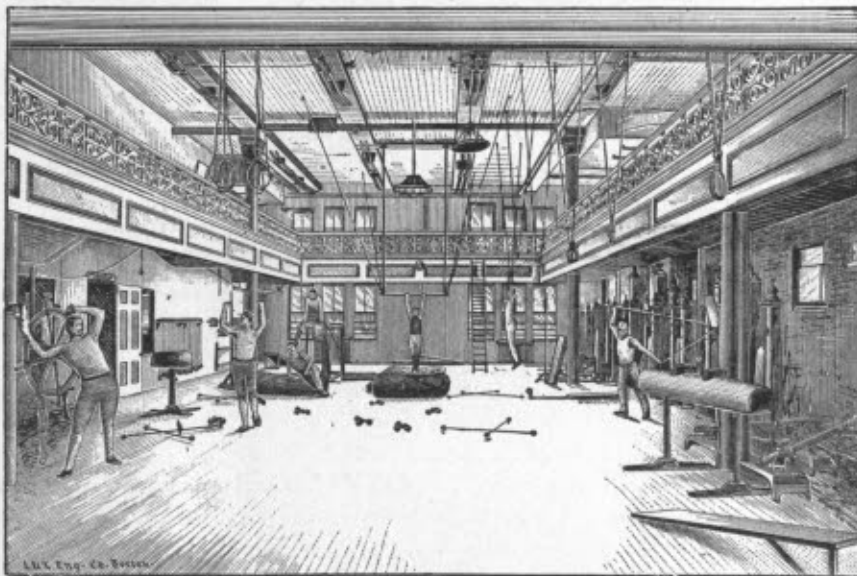
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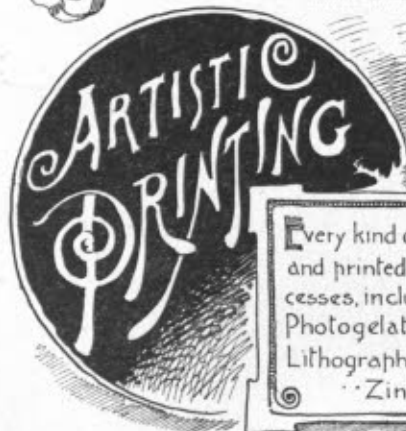
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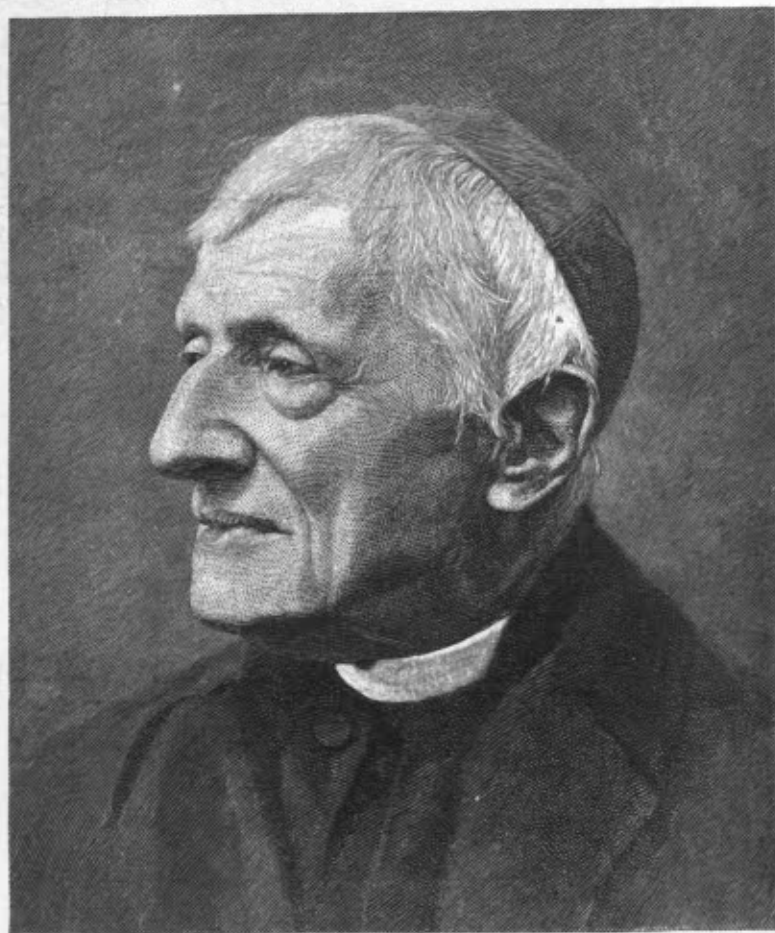
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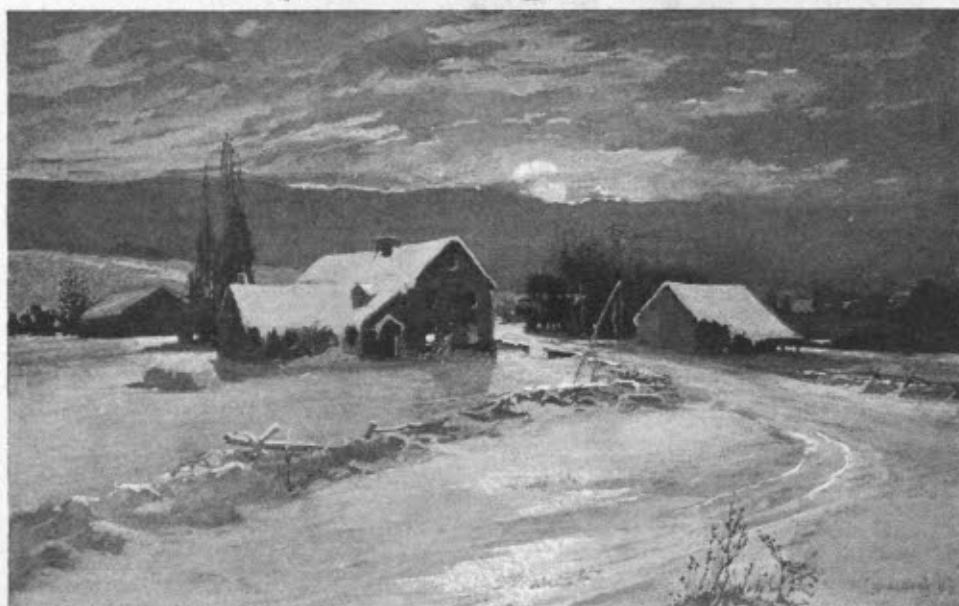
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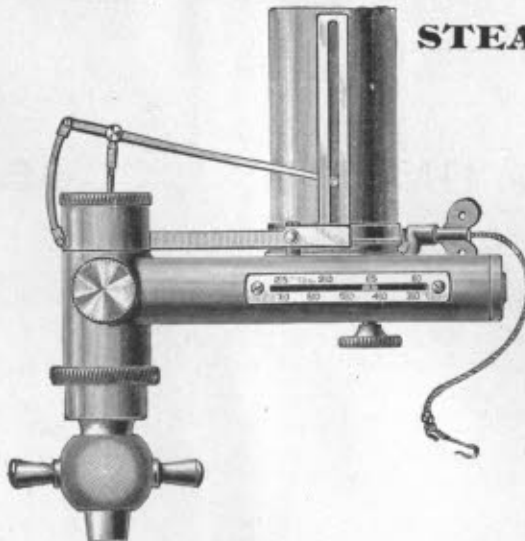
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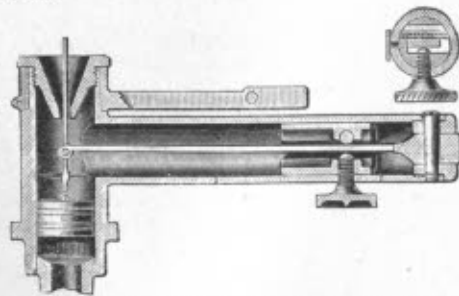
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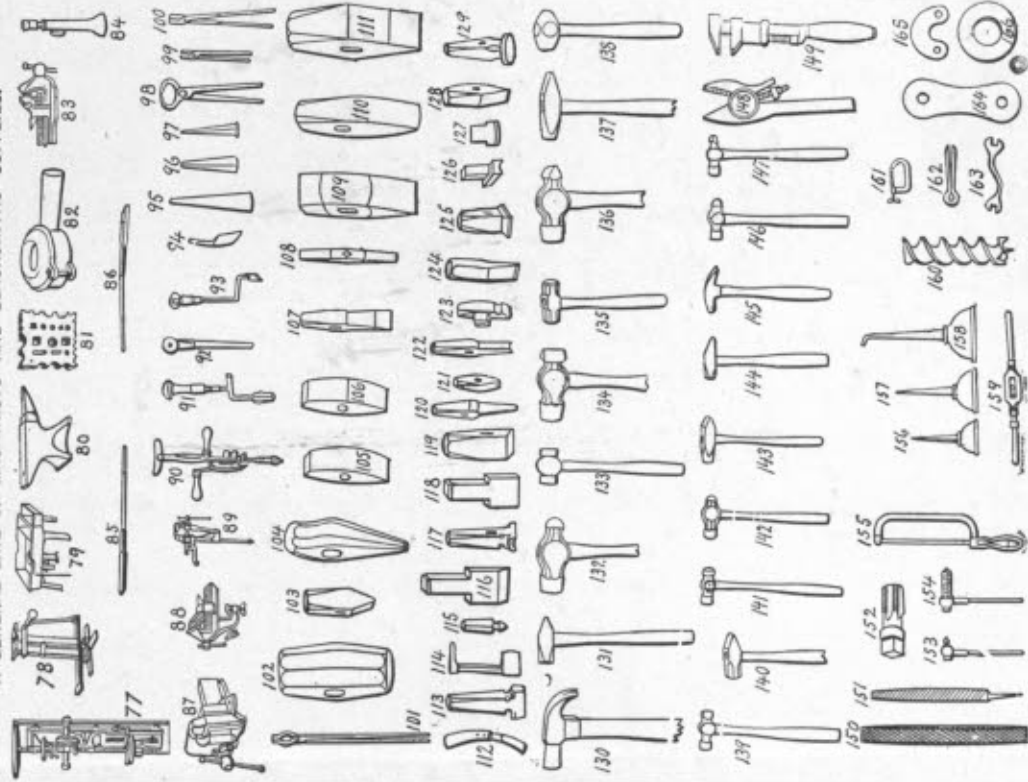
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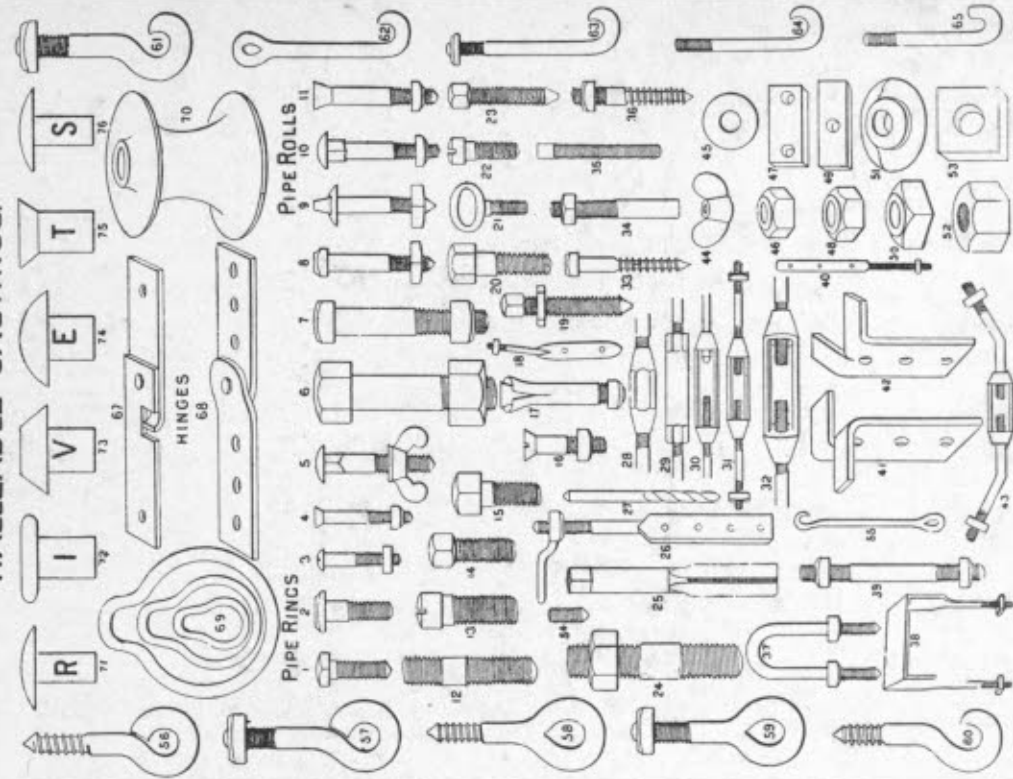
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