



TECHNIQUE

NINETEEN HUNDRED AND
FIFTEEN



VOLUME XXIX

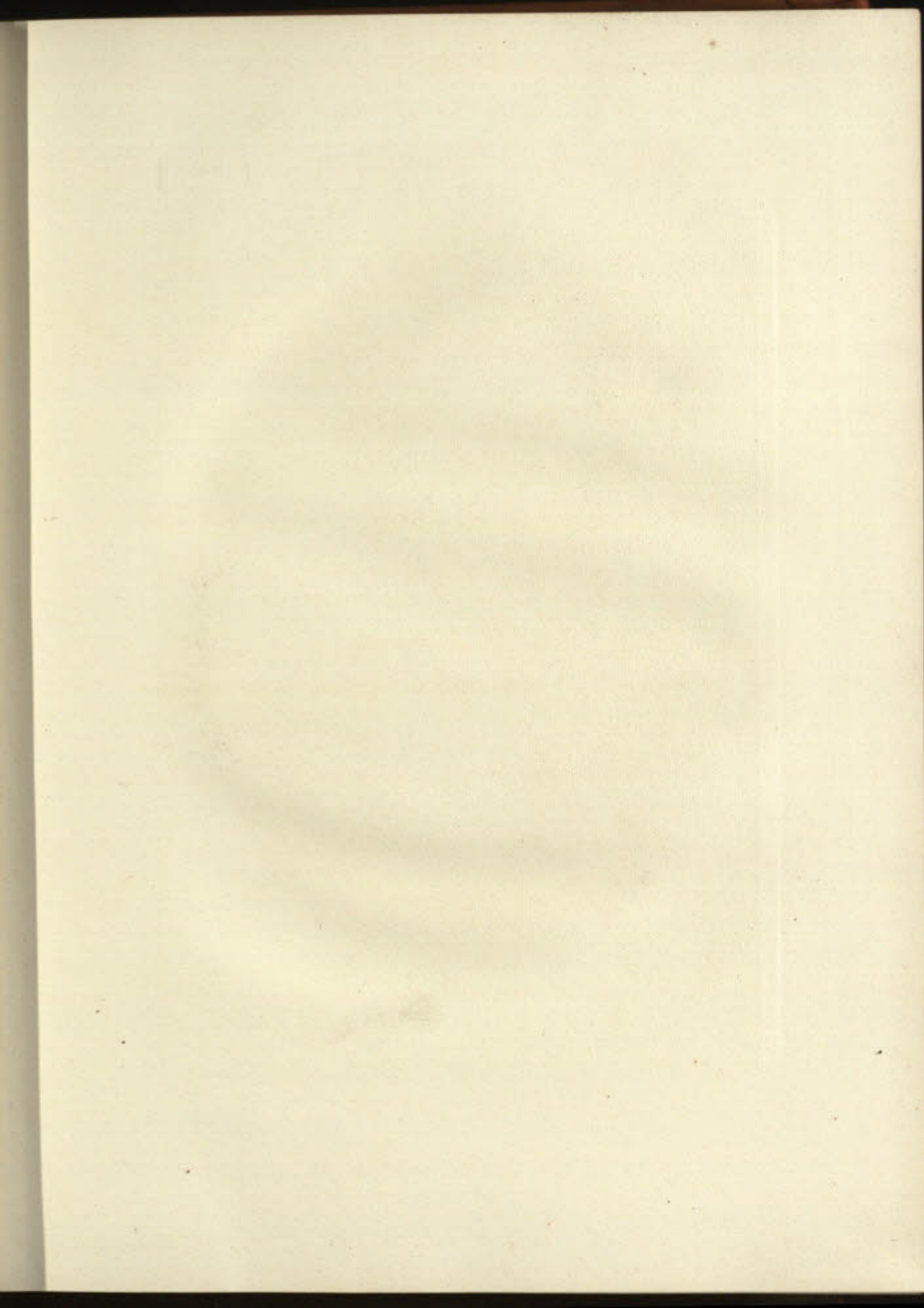
TO

MRS. MARGARET ALICE MACLAURIN

IN APPRECIATION OF HER INTEREST IN THE WELFARE OF THE
INSTITUTE, AND, ABOVE ALL, OF THOSE QUALITIES OF
KINDLINESS AND HOSPITALITY WHICH PLAY SO
GREAT A PART IN THE STUDENT LIFE

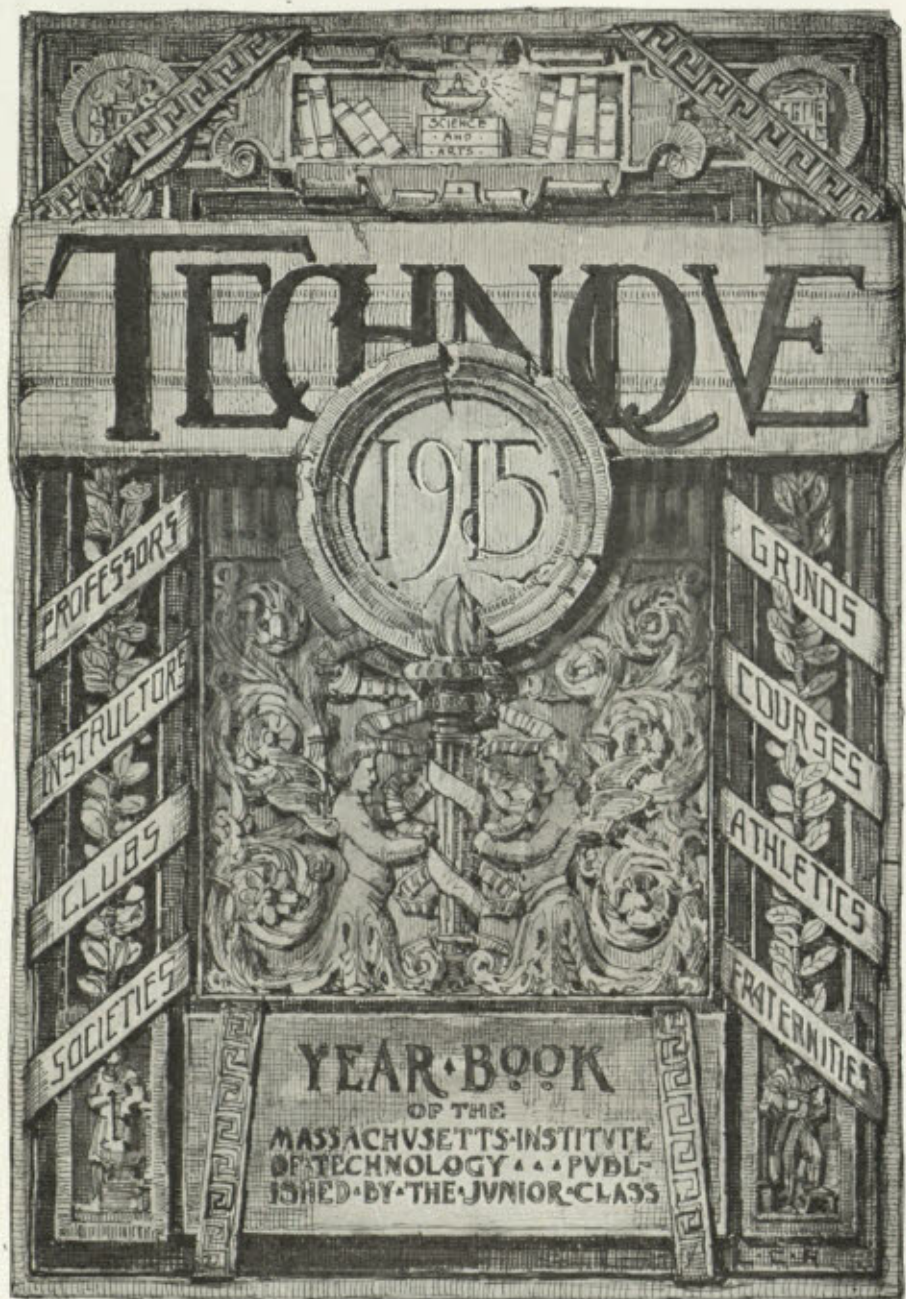
We Dedicate

WHATEVER MAY BE OF VALUE AND INTEREST IN OUR TECHNIQUE





Alice MacLaurin

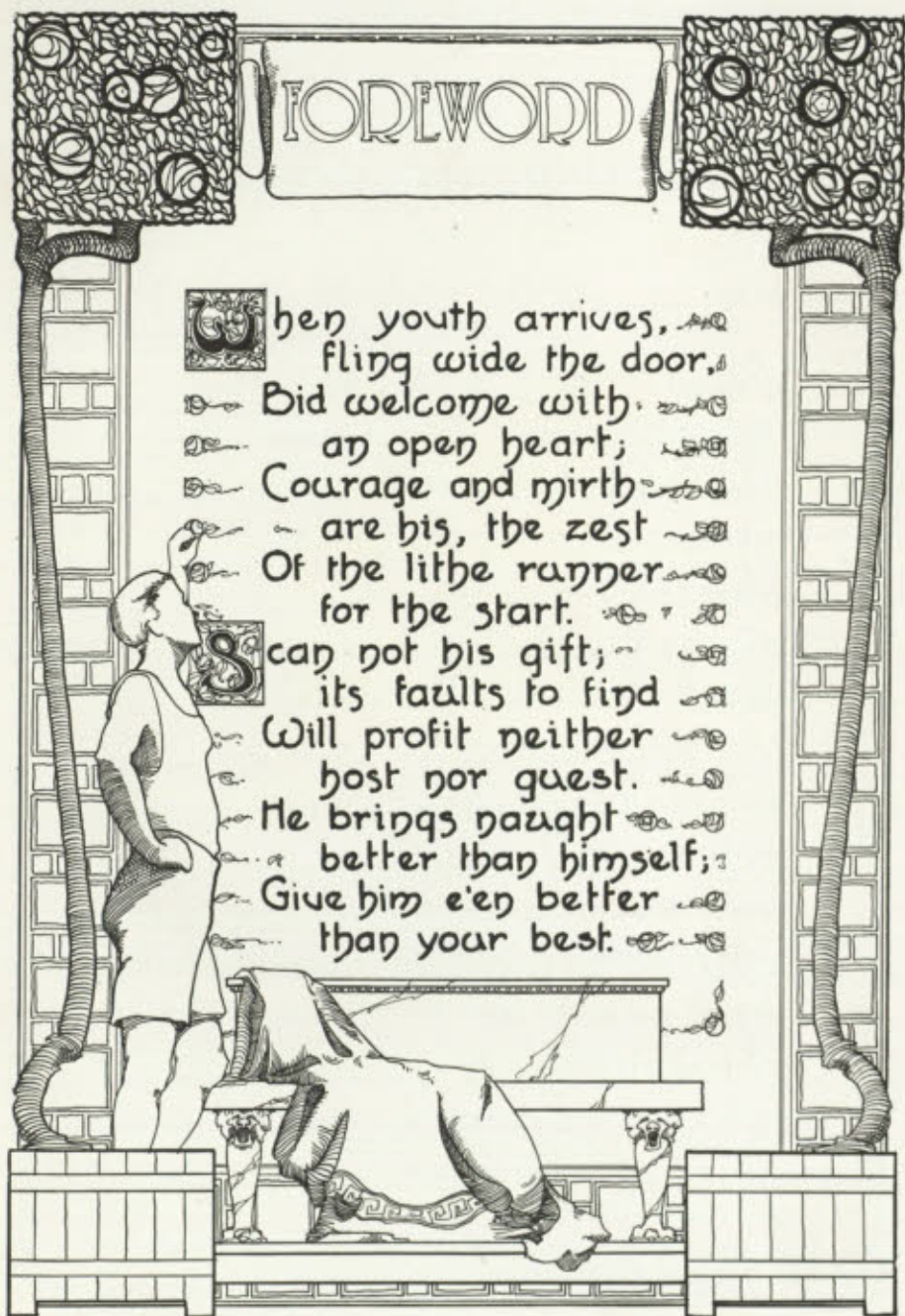




THE NEW TECHNOLOGY MASCOT

FORWORD

When youth arrives,
fling wide the door,
Bid welcome with
an open heart;
Courage and mirth
are his, the zest
Of the lithe runner
for the start.
Scan not his gift;
its faults to find
Will profit neither
host nor guest.
He brings naught
better than himself;
Give him e'en better
than your best.



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MARGARET ALICE MACLAURIN



MARGARET ALICE MACLAURIN, daughter of the late William Young, was born in Glasgow, Scotland. At the age of about sixteen, her father's health being broken, she accompanied him on a voyage in search of health. They spent some time in Australia, but afterwards moved to New Zealand, which move proved to be satisfactory as a health-restorer. There the family lived for several years. From here the family journeyed to France and Italy, spending a couple of years in these countries, and finally settled down in England. Before the family left New Zealand, however, Mrs. Maclaurin returned to Scotland for further study, particularly the study of art. Her stay in Scotland was interrupted by her return to New Zealand that she might marry Dr. Maclaurin, who was then a professor in the University of New Zealand, at Wellington. Her son Rupert was born in 1907. A few months later the family said good-bye to their friends in New Zealand, as Dr. Maclaurin had accepted a professorship at Columbia University in New York. In that city Mrs. Maclaurin spent only a short time, as Dr. Maclaurin was then offered the Presidency of the Institute. In the summer of 1909, after his inauguration, the family travelled in Europe, and, returning in the fall, settled in Boston.

That temperament, so genial, so kind, expressing so much of gentleness and hospitality,—products perhaps of an artistic disposition; charms, perhaps, that played no small part in attracting the attention of the New Zealand professor,—has with its glow warmed the hearts of many a weary, homesick freshman, and cheered to better endeavor some lagging upper-class-man. We would that our parents and friends knew of the devotion of our frequent hostess, Mrs. Maclaurin. We wish that they might know her in her home as we are privileged. We wish that they might know of her sympathy with us in our trouble, and of her visits to those who are sick. We would that they might appreciate her uplifting influence at all our social functions, and her untiring generosity in matronizing so frequently for us all. True hospitality is a virtue which many desire and few possess. That Tech man who has not felt himself enough a part of the 'Stute to have enjoyed at least one pleasant evening at

Mrs. Maclaurin's home, can indeed feel that he has missed much. But it is because all loyal Tech men realize that Mrs. Maclaurin means much more to Tech than this that the *TECHNIQUE* Board has deemed it a precious privilege to be able to dedicate its book to her.

We feel certain that all Tech alumni who have had the opportunity to come in contact with Mrs. Maclaurin will, without doubt, agree with President Rollins of the New York Alumni, when he said at their banquet in New York: "I have seen Dr. Maclaurin among men of learning; I have seen him at the reunions during the summer with the boys; I have seen him at the meetings of the corporation of Technology,—and in each case he was a fitting part of the scene. On only one occasion have I seen him when he was not the bright and shining star, and that was at the reception in June last to the graduating class. The trouble was that there he stood by a greater star, Mrs. Maclaurin. I was close by, standing in line with them to receive. The men came in, and they said, 'How do you do,' to the doctor, or they said nothing and walked by. When the mothers and the sisters came, one said to Mrs. Maclaurin, 'Jim has spoken of you.' The next one said, 'I thank you for what you have done for my son.' That is what the present life and influence of Technology is. And you men who live scattered around this broad land can feel sure that, when you send your sons to Technology, they are under the influence of a man who can teach them science, and under the influence of a woman who will make men of them."

To this our President replied, "Mr. Rollins has placed his finger with unerring accuracy on the critical fact, which is that the key-pin of Technology is not the President, but the President's wife. She plays a far larger part in the life of the Institute than the President could ever even dream of, and she dreams about the Institute and thinks about the Institute infinitely more than the President ever does."

Thus Mrs. Maclaurin is not only a part of the student's life, but a part of Tech, following with unabating interest every change, proving herself to be the true mother of Technology, possessed of and expressing all those attributes linked so inseparably with the idea of motherhood,—its love, its sympathy, its understanding; and we can but say with "Robbie" Burns,—

"And still to her charms she alone is a stranger:
Her modest demeanour 's the jewel of a'."

REVIEW

BEING - A
DEPARTMENT
DEVOTED TO
DISCUSSIONS
OF THE VARIOUS
PHASES OF OUR
LIFE HERE AT-
TECHNOLOGY

STUDENTS
ACTIVITIES
ALUMNI

1913 V 1914

REVIEW

FOREWORD

IN looking over the **TECHNIQUES** of previous years, one cannot help but notice that, among their failings,—for they all have them and so will the many to follow,—one weak point stands out before all else. They lack a certain interest,—that interest which each part of Technology feels toward every other part, the students, the activities, the alumni; that interest and spirit which binds us together into one great whole. Realizing this failing, and wishing in some way to remedy it, **TECHNIQUE 1915** decided to establish a new department, the object of which should be to set forth, through contributions from students, alumni, and faculty, the various phases of our life at Tech,—our interests, our clubs, our publications, the make-up of our student body and our elder brothers, the alumni,—in short, a review of what life at Tech may mean, both at present and in the future.

In embarking upon an entirely new venture such as this, many difficulties arise, such difficulties as are incident to the beginnings of any innovation; at first, a groping in the dark for something tangible upon which to start; then the lack of interest among those upon whom we call for contributions; and, finally, perhaps our own inability to carry it to a successful completion. We do not set it forth as a finished product. We appreciate its failings, its incompleteness, its crudities, and for them beg indulgence; but we have great faith in its possibilities, and firmly believe that it is a start toward something that, improved upon year by year, will do much toward making **TECHNIQUE** the finest and most finished of all college year-books.

THE BEAVER: TECH'S NEW MASCOT

MANY colleges and universities have their mascots. Yale has the Bull-dog; Princeton, the Tiger; Florida, the Alligator; Missouri, the Hog,—and now we have ours. What it is, its

significance, and how it was selected, will be explained by the following letter from one of our New York Alumni, who was instrumental in its selection.

How Tech chose the Beaver is here related for the Freshman Class of 2014, by which time all the old



grads, who know the Beaver Story, will have followed the "tip" of Gelett Burgess, and be "rigging shafts and belting" in the heavens or treading the "ten-foot shaft to . . ."

Over in New York at the Technology Club the question came up as to why Tech had never had a mascot, and then and there it was decided to create one that would bring "good old M. I. T." luck, and typify the spirit of the school.

Many mascots were considered. The Kangaroo was thought of because it, like Tech, goes forward by leaps and bounds, and it came from Australia as did President MacLaurin. The Elephant was thought to represent the Tech man,—strong, wise, patient, hard-working, and, like every man who "gets through," has a good tough hide. But these were passed over because they were not Americans.

Mr. Hornaday's "Animals of North America" was consulted, and the Beaver was instantly seen to have the exact qualifications for our mascot. It not only is typical of Tech, but some of its habits are much like those of President MacLaurin. Mr. Hornaday says: "Of all the animals of the world, the Beaver is noted for his engineering and mechanical skill and habits of industry. His habits are nocturnal, he does his best work at night."

The Beaver was formally presented to Technology, and accepted by President MacLaurin, at the Annual Dinner of The Technology Club of New York, at the Hotel Plaza, on January 17, 1914. The gray Beaver hat was worn on this occasion, as it will always be used in Inter-collegiate affairs, to distinguish the Tech man.

L. D. GARDNER, '98.

THE CHINESE STUDENT AT TECH

AS the early Greeks flocked into Asia Minor to study the Eastern civilization, and as the modern Japanese have poured into Europe and America to acquire the Western learning, so the Chinese are sent abroad in increasing numbers, year by year, for the same purpose. Since America is more friendly to China, and her educational institutions give better training in certain practical science and engineering courses than European colleges and universities, a greater number of Chinese students are coming to America.

About thirty years ago the Chinese government sent three delegations to America, each containing about fifty students. After this the sending of students was stopped, for some reason, for quite a long time. About ten years ago the Chinese



government once more began to send students abroad, but the number was very small until the year 1909, when a delegation of forty-seven students was sent over to America. Since that time a delegation of from about fifty to one hundred students has been sent to this country every year.

The students, from early times to 1909, were, in large majority, busily engaged in courses in literature and art, such as law, economics, government, etc. Since 1909, however, the tendency has been more and more toward the technical side of education; and, as the Massachusetts Institute of Technology is better known to China for its courses in science and engineering than any other American institution, a great number of Chinese students have enrolled in the Institute in the last five years. And this in spite of the fact that the Institute charges the highest tuition and gives the most difficult work in the country. They now number forty-two, which amounts to two and six-tenths per cent. of the total number of students enrolled at the Institute, and about five per cent. of the total number of Chinese students in this country.

They are all supported by the government, with the exception of five, who are self-supporting. The governmental students have to pass

a competitive examination at home for which any Chinese subject, without distinction as to locality or religion, can apply. The candidates are expected to have an equivalent amount of preparation to that of an American high-school graduate. Besides chemistry, physics, geography, history, mathematics, and one foreign language other than English, the government lays special emphasis on English and Chinese. The candidates must have enough Chinese to be able to express clearly and precisely in writing what they intend to say, and their English must be at least grammatically correct. Therefore, the governmental students in America, who have gone through such examinations, should be able to maintain their school standings fairly well, though they are more or less handicapped by the language used here, which is entirely different in nature from that used at home.

The governmental students can choose the course they like best and the school they think best suited for the course chosen. They are allowed to stay in America for an approximate length of six years. They can have one or two years of practical work, if they choose. In other words, they are almost as free as any private students. After their return, however, they are expected to work for the government



along the line they are pursuing now, for five years, with a reasonable remuneration.

H. S. HSIN.

THE CO-ED AT TECH

OVER fifteen years ago, after having taken the degree of Bachelor of Arts at one of the large colleges for women in the East, I came to Tech.

As a place to study chemistry, both in its practical and theoretical aspect, the Institute was highly recommended to me. I must confess, though, that, till I was actually in Boston and had called at the Bursar's office and seen some of the Institute buildings, Tech was but a name to which one wrote for a catalogue and from which came a large and exceedingly impressive book, telling of courses innumerable. In reading that catalogue, and in subsequent attendance at the Institute, one was impressed with the very slight English training that is required from a Tech student. One cannot but feel that the student has been deprived of a wealth of happiness and pleasure when he has not gained some intimate knowledge of the best English and American writers. Then, of course, the question comes, "How could a man at the Institute do any more work than is already required of him, in any

course he may choose to take?" That the Institute stands for work, work, and little play, no one who has spent even a month there can ever doubt. The man or woman going to Tech must have a willingness to work and a capacity for work.

In the year and a half that I studied chemistry at the Institute, I never found but that the women received every courtesy both from the students and instructors. To my sense women were accorded absolutely fair play, and it seems to me that is all that the most ardent advocate for women's rights could hope and ask for. Concessions and special privileges to women, I am glad to say I did not see, nor should they, in my judgment, be expected or counted for, on the part of women who may choose to attend the Institute or any co-educational college.

To me the work that I did at Tech was exceedingly satisfactory. The training was careful, accurate, and broadening, and I gained thereby a sureness and certainty in that particular branch of work which I studied at the Institute, which enabled me to do work as an analytical chemist in one of the large New England mills for several years.

The student who goes to the Institute and is willing to work comes away from there not only



well equipped in his particular line of work, but he has behind him the many years of successful work of Tech in training men and women for their work. He who goes out from the Institute into any kind of work has a rich heritage of well-earned traditional value in the very fact that he has studied at Tech. I have always found that Tech is a name to conjure with, and we all know that this would not be so if the students had not gained from the Institute that knowledge and skill whereby they have made good.

HORTENSE W. LEWIS,
Vassar, '97,
M. I. T. 1899-1900.

THE COLLEGE MAN AT TECH

WHAT of our college men? Are they not quite an important factor in Tech life? Considering that about twenty-five per cent. of our student body is made up of men from other colleges and universities, we can but admit that theirs is quite an important part of the life at the Institute. What are their sentiments with regard to the school? What part do they, and what part should they, take in our student activities? Before we either enjoin them to take part in these activities or judge them too harshly for failing to take an inter-

est in the things that are of interest to us, we should first pause and consider the conditions under which they have come, and the part that Tech should play in their lives. Some of these men have spent but one year at another college, others have spent two: we will but consider the case of the man who has either obtained a degree, or has, at least, spent three years at another institution of higher education.

A college training is a strange adventure: the value obtained therefrom is illusive and intangible, but it is there, nevertheless. It has been well said that the value of a college education rests, not in the courses chosen nor in the volumes that are studied, but in the associations, the meeting of fellow-men on a common ground, the grasping and conquering of new conditions,—in short, the finding of one's self. An eminent authority has said that the great benefit derived from college life lies, not in what one gains in concrete knowledge, but in what one loses of that which is objectionable in him,—all of the rough spots, the meanness, the selfishness, and the petty conceits being rubbed off, and the true character beneath polished by the contact with fellow-men in the daily life upon the campus and in the fraternity house.

And so with these men one great phase in their lives is past and gone,



never to be forgotten, and never to be replaced by anything to come. Their college days are over, those happy, care-free days of little work and much play,—days that hold memories dear to the heart of every man among them. What one is there but can remember his straw-bestrewn and sheepish arrival, the hazing, the rushing, the day that Petey Simonds put the cow in the chapel, or the night he danced the Salome at the Sophomore banquet? Who but can remember how, as a Sophomore, he nailed the class numerals to the chapel spire, and how as a Junior he fell a victim to the charms of the college widow? But memories such as these fill a chapter long since completed: the page has turned, and a new one begun. The scene has shifted, the past is behind. Let us then look to the present.

These men arrive at Tech with a new and broader view of life, with a new purpose,—a determination to reach the height of their ambition,—a determination strengthened by the fact that their playtime is over, and the business of life before them. Work is first and foremost in their consideration. But need it entirely occupy their minds? Even realizing that no longer can class politics, athletic attainment, musical club trips, or editorial fame hold charms for these men, is there

not some way for them to help, some field for their energy besides the class-room and laboratory?

Right here in our midst is a veritable mine of talent, backed by experience that should not be neglected. Here is a man who was president of his college musical clubs, here one who wrote the music for the college show, and another who edited the university daily. We do not ask these men to join in the rush for office, there are men in plenty here to do that; but can we not avail ourselves of their help, their co-operation with us in making our efforts more fruitful and our clubs, shows, and publications the best in the country? This then is the place of the college man at Tech.

THE COSMOPOLITAN CLUB

THE very cosmopolitan nature of Technology, with its 50 nationalities and its 113 foreign students, made it quite fitting that, in the spring of 1910, a Cosmopolitan Club should be organized, which should have for its purpose the bringing together of foreign and American students under purely social conditions rather than in the business-like class-room, where only a slight acquaintance is possible.

Through the activity of Mr. Gorton James, then a Junior, and the generosity of Mr. George Wig-



glesworth, a member of the Corporation, a club was organized much after the pattern of the young, but highly successful, Cosmopolitan Clubs of Harvard and other colleges. An organizing committee was brought together, consisting of upper classmen from several nationalities, many members of the Faculty, and President Maclaurin, a man of exceptional cosmopolitan experiences and sympathies. It is noteworthy that many members of the Faculty have enjoyed very active membership in the club since its organization. The officers are taken from all nationalities, and one or more members of the Faculty hold positions on the governing board as advisers. "National chairmen" are appointed each year to represent the members of their nationality at the meetings of the governing board, when the number from any one nationality is sufficiently large.

Several entertainments, known as "national nights," are given during the year entirely by the representatives of one country or of a certain part of the world, each aiming to show the customs, games, and other interesting features that exist in one particular country. Many of these programmes have proven some of the most enjoyable that have ever been given in Technology. They are intensely interesting, varied, and are carried out with great enthusiasm.

The foreign students at the Institute have found the Club of great benefit, and have welcomed the opportunities it has offered not only for becoming more cosmopolitan, but for becoming an integral part of the active student life. The club is so popular with Americans that the American membership, one-third of the total, is generally full. The membership fee is small; but the members, numbering some eighty, are very enthusiastic.

Pleasant relations exist with the Harvard Club, many hospitalities being exchanged during the year. A joint dinner will be held this year. Recently an alliance with the national association of college Cosmopolitan Clubs has been effected, which, it is expected, will add much strength to the local organization.

THE PROFESSIONAL SOCIETIES

ONE of the most important factors in the efficiency of the training at the Institute is the fact that in each department where it is possible there is what we term a professional society, well organized and open to all. These societies are seven in number: the Architectural Society, the Architectural, Civil, Chemical, Electrical, Mechanical, and Mining Engineering Societies, similar in government and purpose, but each according to



its own light. Among the engineering societies, quite a large part of the work of the society is the arranging of trips to the various manufacturing plants, testing stations, and construction camps throughout New England. Trips such as these are made on an average of every two weeks, and are generally supplemented by lectures along kindred lines by some practical engineer.

Although the trips are very beneficial, for their value can readily be seen, the most important part of the work of the societies is carried on through the medium of Smokers, where business and pleasure are happily intermingled. The first part of the evening is given over to a lecture, or, more often, an informal talk, on some subject of vital interest to all, and by some man prominent in the practice of the profession in question. Following this, refreshments and smokes are enjoyed, and lively discussions ensue.

INSTITUTE COMMITTEE

IN 1893, due to the activity of several influential members of the Senior Class, each of the four undergraduate classes elected three representatives to a committee formed "to promote the welfare of the Institute at home and abroad." Though founded for a very broad and excellent purpose,

the Committee, during the next twelve years, had but little real authority, and was not particularly prominent in the undergraduate life of Technology.

The growth of student activities during the years from 1905 to 1910 made the recognition of a central governing body highly desirable, and, as a result, we find the prestige of the Institute Committee at this period steadily increasing. This was especially true in 1909, when the representation was increased by the addition of one representative from each of the professional societies as well as one representative from each of the other important activities, namely, Tech Show, *The Tech*, the Musical Clubs, TECHNIQUE, Athletic Association, and the Technology Christian Association.

Probably the most important event in the history of this organization was the establishment in 1913 of the "Association of Undergraduates of the Massachusetts Institute of Technology." Every student at Technology is a member of this Association, and the Institute Committee is authorized to transact all business of the Association. Among the powers of the Committee are the ratification of appointments to the Managing Boards and the election of Alumni Advisers to the Tech Show, *The Tech*, and the Musical Clubs. A general super-



vision of undergraduate affairs is maintained, principally by sub-committees. Among these the most important are the Point System Committee, the Committee in Charge of the Union, and the Finance Commission.

From the ineffectual body of 1893, the Institute Committee has increased in power until it is now the court of last appeal in the affairs of the undergraduates.

A. C. DORRANCE, '14.

THE FINANCE COMMITTEE

A VERY small percentage of the men here at the Institute are aware of the existence of an active committee which cares for the financial conditions of the many student activities, and the valuable work which this Finance Committee carries on is only slightly appreciated. Every activity of recognized worth handles money and carries on business transactions, and a few years ago the idea was propounded that co-operation and system would greatly benefit the treasurers of the activities at Tech in their financial affairs. Thus the Finance Committee had its beginning at a meeting of the treasurers of the several organizations. By the faithful interest and service of one or two alumni, a common system of book-keeping was devised

and introduced, and is now working out to great success. Every treasurer must keep his records up to date and in the prescribed form, and a professional auditor is hired to look over the books at stated intervals. This prevents a treasurer from becoming confused, and is an incentive to careful work. There is a printed form of report which each man is required to make out and submit at every meeting. On this sheet, the cash received and disbursed during the past month is balanced on one side, and the probable income and expense for the remainder of the year is balanced on the other side. The reason for this method is to give, in as concise a way as possible, the condition of affairs at the particular time at which the report is made, as well as the estimated general outcome for the entire year. These reports are read and discussed at the monthly meetings; and, if a man has neglected his duties, as, for example, the collecting of dues, it is at once evident from his report. These reports are kept on file by the secretary, and each one is compared with the one of the corresponding date, a year previous, making a sort of check system, as well as showing whether or not the activity is keeping up to its usual standard. The meetings are informal, and discussions often arise as to improvement



of methods, with the thought constantly in mind as to the simplest way to keep tab on every activity and to make sure that it is doing its best work in financial matters.

THE ATHLETIC ADVISORY COUNCIL

THE early nineties of the past century—a pleasing connotation of antiquity—formed a period of great activity in athletic affairs at the Institute. Numerous teams were competing in the various branches of sport, and with no small measure of success, as evidenced by the fact that in 1894 Technology won both the New England Intercollegiate Athletic Association and the New England Intercollegiate Football Association Championships. Baseball, football, and track were engaging the interests of a large number of students, while the minor sports, such as tennis, hare and hounds, hockey, etc., claimed each its liberal quatum from the athletically inclined of the student body. Each team was an independent unit, formulating its own policies, drawing up its own regulations, and administering its own funds. This somewhat chaotic state of affairs, coupled with the marked limitations of the income from and for such activities, led to the gradual decline in the financial credit of Institute

teams, which ultimately came to a crisis in the winter of 1896-97. By this time, the sporting-goods dealers and manufacturing jewellers would accept orders from Technology athletic managers only when accompanied by the money to pay for them, and numerous heavy records of indebtedness, carried on their respective ledgers from year to year, further attested the general insolvency of Institute athletics.

Realizing that such a condition, if persisted in, meant a hand-to-mouth existence for a few years, ending in the final cessation of active participation by Tech teams in college sport, a group of interested adherents of athletics, self-denominated "The Committee on Physical Training," called a meeting on March 13, 1897. Among those who responded to the call were members of the Faculty and of the Alumni and undergraduate bodies in about equal proportion. It is interesting to note to-day the names of some of those present. From the Faculty were Professors Richards, Sedgwick, Dewey, Allen, Burton, Captain Bigelow, the instructor in Military Science, and Mr. Boos, the Gymnasium Director; from the Alumni, Messrs. Rollins, Munroe, Briggs, Hurd, and Rockwell; from the undergraduates, Messrs. Washburn, '97, Allen, '97, C.-E. A. Winslow, '98, and Gros-



venor, '98. The verbatim report of their joint deliberations would be most interesting if space permitted; but the most salient points, thoroughly discussed and unanimously agreed upon, may be summarized as follows:—

1. Freedom of athletics from Faculty or Corporation control.

2. Desirability of compulsory athletics, or gymnastics, under a system sufficiently elastic to work no hardship to the individual.

3. Physical examination of all students, to be repeated at stated intervals with those students desirous of participating in competitive sport.

4. Establishment of some representative body of control to formulate a definite athletic policy, under which the various interests could be unified, a responsible financial system be inaugurated, and a permanency to the athletic activities assured.

On a motion made by Professor Dewey, a committee was authorized, to be constituted in the following manner: the Corporation to appoint one member, the Alumni Association and Institute Committee to elect two each. This was done, and the new committee, consisting of Messrs. Rollins from the Corporation, Briggs and Munroe from the Alumni, and Allen and Winslow from the student body, held its first meeting April 28, 1897. The ulti-

mate result of the deliberations of this second committee was the formulation of the Advisory Council on Athletics, which held its first meeting on January 18, 1898. The first Council consisted of Thomas Hibbard, '75, F. H. Briggs, '81, J. A. Rockwell, '96, G. B. Burch, H. L. Morse, and R. W. Stebbins, of '99, while Frank E. Peabody, '77, was elected treasurer. A constitution and by-laws were formulated by the Committee on Physical Training, which were taken over for the rule and guidance of the Advisory Council, and these have stood for sixteen years practically without amendment.

The records of the Advisory Council, during its life, show a great diversity in the questions which have been considered. At the time of its inception, certain rulings and decisions were made which to-day are "common law," but which at the time were considered highly arbitrary; and for two or three years the chairman of the Council was familiarly alluded to as the "Czar." It is but fair to state, however, that to-day there is not an undergraduate who passed through the stormy and critical period of the first five or six years who would recommend a reversal of the rulings of that time, such as the abandonment of intercollegiate competition in baseball and football.



The definite plan of sane, conservative athletics, of a character suited to the possibilities of undergraduate participation as recommended by the parent committee, has been the sole guiding principle of the Advisory Council during the years of its existence. One policy which has been followed consistently and profitably is that any new sport must pass through a probationary period of at least four or five years, in this time fully demonstrating its inherent worth, before practical recognition by the Council. Now and then a sport has been instituted which has lived vigorously for two or three years, largely through the enthusiasm and energy of individual students, but when these men have graduated, interest in the sport has waned, and it has gradually lapsed into oblivion. Other sports have been constantly recognized, having demonstrated themselves to be of true general appeal by virtue of consistent, unflagging interest in them on the part of the student body at large, as well as fulfilling the Council's chief object,—that of physical development along sane and safe channels.

As it was found expedient in the past to create an advisory council, to further the best interests of the students and organize athletics, so may the future call for modification or amplification of affairs ath-

letic at our Institute. Whatever may be the demands of future years, the fact remains that, at present, our young men are stimulated to participate in healthful, manly sport, controlled by skilful instruction, and receiving the sanction of the Faculty and Alumni. Such an athletic policy stimulates mental achievement, develops men, and reflects greater credit and renown to our Technology.

MAJOR F. H. BRIGGS.

THE NEED FOR A DAILY AT THE INSTITUTE

A QUESTION which probably occurs to every one when the subject of the value of *The Tech* is mentioned is, "Is it really worth while?" I imagine some answer the question in the negative. The reason is clear: they simply fail to appreciate the value of a thing they are more or less unconsciously enjoying.

In these days we are accustomed to take things very much as a matter of course. As we ride to the city from our homes, or talk with our friends over the 'phone, or light our rooms by pressing a button, we seldom stop to think much of the cars, of the telephone, of the electricity,—the things which make our actions possible. We do them simply as a matter of course. In



the same way we read the daily paper and become familiar with things near at hand and far away, and there is scarcely any part of the world we are not in touch with. But we never think of the tremendous system which makes it possible,—of the business of reporting, of the Associated Press, of the industry of printing; but we read the news as a matter of course.

Now, when we say that there is no need of a daily at the Institute, we are so accustomed to having it that we have lost sight of its value to us, and the information which we get from it, directly or indirectly, we are taking as a matter of course. When privileges are taken away from us, we miss them. We do not appreciate the convenience of the car, the telephone, and the electric light as fully as we would if we had to go without them. The same is true of the newspaper. If it were taken away from us, and we were obliged to return to the old, slow, uncertain methods of street-corner gossip to get our news, we would more fully appreciate its value.

Then the proper way to determine whether there is need for a daily at the Institute is to try to picture the state of affairs without it. I dare say we would exist and pass our examinations,—perhaps more of us would do that; but so

would we be able to read by kerosene light if electricity gave out, and so could we tell time by the sun-dial if we had no clocks. It is not a question of absolute necessity, for the daily paper is not an absolute necessity at the Institute, but it is a question of convenience, of efficiency; and no one can deny that it is a convenience to all Institute men who read it or who get, second-handed, the information which it contains. Without it, student organizations would drift helplessly along, each one existing without relation to its sister organizations, if at all.

The question of frequency of publication here is simply one of expediency from the financial end. There is no question but that a daily is more in keeping with the progress of the times than a semi-weekly or a tri-weekly, both of which have been tried here in their turn. In Technology the need for a daily is more imperative than in other campus institutions, for here our sixteen hundred men are separated by division into four classes, into fourteen courses, into commuters and city residents, and in other ways, so that some system of keeping men in touch with each other is necessary. This is the function of a daily paper, which is essentially a clearing-house of news, which collects and distributes the infor-



mation day by day, making possible the co-operation and unity of purpose which now exists.

To tabulate all the reasons in support of a daily newspaper at the Institute would require much time and space, but it suffices to say that it is a most necessary convenience and that it furnishes experience to the men actively interested in a very valuable line of work—journalistic writing. To quote from a recent *Engineering News* concerning this latter point: "The average citizen is more or less at the mercy of the press as regards the status of municipal projects involving the services of engineers or architects. On account of the ignorance of the reporter, he may get distorted ideas concerning various public improvements. An unprejudiced, non-technical opinion coming from a reputable engineer will appeal to the average citizen and enable him to talk and vote intelligently."

... "Of the two, however—the engineer, trying to write a newspaper description of something he understands, or the reporter, confidently describing something he does not understand—commend me to the former."

The daily affords practical experience in "telling the story." Its value is unquestionable.

L. W. SNOW, '14.

THE MUSICAL CLUBS

THE Combined Musical Clubs, with the largest membership in their history, and with many changes in the concert system and the organization, have had a most successful year. From the best material that has tried out within the memory of the most perennial member, the final cut left some thirty in the Glee Club and about thirty-five in the Mandolin and Banjo Clubs.

The first joint concert in which the Clubs have taken part since 1909 was held with the Wesleyan glee and mandolin performers, on the day after Thanksgiving, in Jordan Hall, Boston. A loyal band of Wesleyan alumni turned out to welcome the visitors and to entertain them after the concert, which, with each club striving to outdo its rival, was unusually good.

Two weeks later the Winter Concert, the first official appearance of the Clubs for the year, was held at Copley Hall, before as many undergraduates and their fair ones as could be comfortably accommodated at the dance that followed. The past few Home concerts have proved so successful that they have outgrown the old quarters. Junior Week will see the Clubs performing in the ballroom of the Copley-Plaza for the first time, and the dancing which



will follow will continue right up to Mayor Curley's limit.

In addition to these big concerts of the year, there have been the usual "barn-storming" trips in the towns around Boston. Some of these have only pleased the managers by the financial returns, but others have proved very pleasurable affairs, as the concert and dance at Framingham High School, lasting till the departure of the last car. To promote even better fellowship among the members, a smoker-rehearsal was held in the Union early in March. Each Club took its turn performing for the enjoyment of the others, and the intermission was filled with smoke and knocks.

At this meeting the new constitution was submitted and accepted. The system of hurried elections preceding the annual banquet in May has been modified, the Executive Committee and the newly organized Faculty Advisory Committee selecting the general manager, the treasurer, and Club managers from among those trying out for the positions. The rest of the system of election and management has been overhauled and improved upon to an extent that assures for the coming years even more progress and success than has fallen to the lot of the season of 1913-1914.

R. D. SALISBURY, '14.

THE BEGINNINGS OF THE TECH SHOW

THE last few years have seen many changes in the numerous undergraduate activities at the Institute. Some have expanded and grown in strength, some pursued an even and undisturbed course, and some few have gradually dwindled and finally disappeared. Most noticeable of all have been the modifications in the regulation and interrelation of the various forms of student endeavor. More, these changes, great and fundamental though they be, must be regarded as the mere foreshadowing of still other and more far-reaching changes which must come inevitably with the passing of the old, and the birth of the new, Technology. Increased opportunity for new, increased scope for existing, student activities are the logical complement of the general expansion and development promised by the great change.

It is good and desirable that an institution should follow the normal course of evolution, and that each year in its history be a record of definite progress. But periods of rapid growth must be associated with rapid changes and the certain unavoidable losses incident to them. At such times traditions—for, with the brief memory of the briefer



student generation, events of a past decade must be regarded as such—are in danger of oblivion. Some, of necessity, cease to exist with the disappearance of the thing or event which gave them birth. Others, in which the original cause persists, are so altered as to lose all semblance of their earlier form.

Cognizant of these facts, it was with an especial pleasure and interest that the writer received a request to draw up some record of the beginnings of the Tech Show. By rare good fortune there was in his possession a brief statement of the Show's origin, written by the one most concerned in it and best able to describe it. This may be given in its original form:—

"To the Tech undergraduate of to-day, the Tech Show seems so much a matter of course that he can hardly imagine that the early spring ever arrived without bringing the Tech Show with it. The Show to be given this year will be the sixteenth in the history of this now thoroughly established annual festivity. But with this taken for granted, it is a Tech generation, and more, since the Show had its beginning. There is not a little danger that the origin and purpose of the Show may so soon retire into remote tradition as to become mythical. Therefore the Venerable Ones who watched the Show's beginnings

think it wise to leave authoritative record of them.

"In the late winter of 1899 the Athletic Association of M. I. T. found itself, 'not to put too fine a point upon it' as Mr. Micawber would say, 'bankrupted.' This painful fact was impressed upon the collective mind of the Association by the refusal of certain Boston firms, who shall be nameless, to furnish any further medals for distribution by the Association until at least some share of the last medals furnished had been paid for. This condition of things was the more embarrassing as several medals had been earned and not yet presented, and the winners of them were becoming explicit in the expression of their opinion of the Association. Money was imperatively in demand. The Association appointed a committee of ways and means. That committee decided that the aggregate talent of Tech might be equal to the presentation of a Minstrel Show, for admission to which the friends of Tech might be coerced into paying a quarter each. Counsel as to the most effective method of getting up the aforesaid Show was sought of an Old Friend of Tech. This friend expressed an unexpected faith in the artistic resources of Tech, and very strongly urged an extending of the Minstrel idea from the twenty-five-cent en-



tainment in a small hall to a dollar-and-a-half entertainment in the Hollis Street Theatre. The astounded committee pleaded bankruptcy and consequent inability to meet what they gloomily prophesied would be a certain and appalling deficit. The Old Friend expressed willingness to so far back the faith in Tech already expressed as to formally agree to meet any deficit that might occur, if the affair were carried out under competent and experienced direction. Thus reassured, the committee, albeit tremblingly, embarked upon a—to them—shoreless and uncharted sea, to find on the evening of the 12th of May, 1899, that they had entered the haven of a very triumphant success. The Tech Show was an established fact. The precedent was established for all time to come; and, in its first experiment, the Show was the joyful and amazed winner of some hundreds of dollars, which should presently enable the Athletic Association to arise, phoenix-like, from the depths of its humiliation. That was the beginning of the Tech Show. The venturesome, successful, and now historic committee of management were: Milton Webster Hall, 1900, general director and business manager; George Carlos Winslow, 1899, ticket manager; James Bradford Laws, 1901, manager of olio; Allan Winter Rowe,

1901, manager of sketch; Harry Leonard Morse, 1899, press agent.

“Since the first Show, each year has seen fresh venture of Tech into the histrionic field, and each venture has shown a marked increase in financial success, if a somewhat fluctuating artistic standard.

“It was the hope of the Old Friend, through whose suggestion the first Tech Show came to be, that it might accomplish very much more than the financing of the Athletic Association, desirable as this consummation was in itself, and as relieving the strain long and generously borne by the friends of athletics in the Institute. The Old Friend had long dreamed of the Tech Show as a nucleus and strong promoter of social life in the Institute, as bringing men of widely varying general interests together as fellow-workers for their alma mater in a new field, and as strongly fostering the democratic spirit, which must be the spirit of Tech if Tech is ever to stand assured in the first place as a maker of workmen.

“These objects the Show has in great measure helped to accomplish, and in so much the Old Friend’s dream has come true. From the first the Show has called to itself the fittest men, on the sole ground of their fitness. It is to be earnestly hoped that the Show will never fall below its original high



level, in this respect, at least. It is to be hoped that those in whose hands its fortune rests from year to year, will remember that, as it came to be in the immediate interests of the athletics of the Institute, so its loyalty should inseparably hold to those interests. And, as it arose out of Tech as a whole, and to the glory of Tech as a whole, in this spirit of high democracy it should be steadily carried on."

The writer of the above, and the "Friend" there mentioned, was the late Mrs. Evelyn Greenleaf Sutherland, tenderly remembered by a past generation of Tech men. Not only was loss safeguarded by her own personal financial guarantee, but positive success insured by her other efforts. Through her word, the Hollis Street Theatre became available for the initial production at a time when college shows were given in halls; through her influence, well-known composers were persuaded to write songs for the production; and, finally, the book of this first Show was the product of her pen. Her wishes and intent in her labors for the Show are given in her statement quoted above. Her interest in and affection for Tech are best evidenced by her gift to it.

It is interesting to note in the tale of the early managers that the majority were men closely affiliated

with the athletic interests of the Institute. Winslow and Corbett were managers; Hall, Murray, and Rowe, members of the Track Team; Laws, the centre of the Varsity Football Team; Morse, on the Hare and Hounds, and an original member of the Advisory Council,—to name but a part. This is hardly to be wondered at, considering the genesis of the Show, but serves to illustrate further the very close relationship existing between the two branches of undergraduate activity.

Of the later years of the Show, but little here needs to be said. That it is amply fulfilling the earlier hopes, and yearly bringing nearer to realization its many potentialities, requires no affirmation. For its future, the present writer can do no more than echo the words quoted above, adding the wish that, in meeting its ever increasing opportunities and responsibilities, it may contribute a modest share to the triumphant tale of successful years to be made by THE NEW TECHNOLOGY.

ALLAN W. ROWE.

THE TECHNOLOGY CHRISTIAN ASSOCIATION

THE TECHNOLOGY CHRISTIAN ASSOCIATION seeks to maintain a positive Christian influence among all the men at the Institute. This



seems like a very commonplace statement. It is a very commonplace, and yet very important, piece of work that the Association aims to accomplish. It is not with any big, spectacular programme that it comes before the student body, but in a quiet way. Nevertheless, its officers and members are trying to make the Association a power that shall help men to live clean, noble lives, of great usefulness to their fellow-men.

Technology is a peculiar field, and offers difficulties all its own in Christian Association work. By this the writer does not mean to imply that Tech men are "peculiar people." They are not, except that they work particularly hard. And in this fact lies one element of the difficulty. The men here at the Institute are so busy that they honestly have very little time to devote to definite altruistic work. But it should be noted that the phrase "very little time" was used. The Technology Christian Association acts on the theory that each man here has a small amount of time which he can devote to some unselfish work. No one is asked to do much, but each one is urged to do something.

Our men are scattered all over the city and the suburbs. Many of them are active in the work of the home church, Sunday-school, or in

some settlement house. The Technology Christian Association recognizes all this work in a broad sense as what it seeks to promote. A practical way in which these men can aid the Technology Christian Association is by telling the secretaries just what they are doing, so that they may have a better idea of the influence of Tech men.

But enough of difficulties. They are many, and the Technology Christian Association, in common with other organizations, is looking forward to the glorious future across the Charles, when in every way the Association will find it easier to realize its dreams. Even though they do not make a big showing here and now, the officers intend to have an organization which shall be ready to use to the utmost the possibilities and the responsibilities which will come with the opening of the new buildings.

At the end of the first term, the Technology Christian Association had 405 members. This meant a growth of nearly 100 per cent., for in September the membership was 218. While only a small proportion of these men are actively connected with any department of the work, their interest is none the less real and helpful. For it is not the fact that a man holds an office that counts, but his being sufficiently interested even to join an organiza-



tion whose sole object is to help men in right living. Through such men the Association expects to influence the moral tone of the Institute. And a disproportionately large number of the men who are bearing the responsibility for the various Institute activities, are members of the Technology Christian Association.

The feature which brings the Association most prominently before the student body is the informal talk given each Thursday at 1.30 in the Union by some man of prominence. These meetings are well attended, and are generally regarded as one of the most important of the regular occurrences at the Institute.

The Technology Christian Association always has several groups meeting regularly for Bible study and the discussions of practical topics dealing with a student's experience. While there are not nearly enough men interested in this department to satisfy the ambitions of the Association officers, still some men find these helpful, and voluntarily give an hour or so each week to this study.

One of the most successful lines of work conducted by the Technology Christian Association is the system of Freshman advisers. The aim is that each new student, when he comes to Tech in the fall, shall have some upper classmen who will

help him register, and then, in a general way, aid him and exert a good influence over him throughout his first year.

The Technology Christian Association wants to be recognized as a helpful organization. Its General Secretary and his assistant are both ready to help Tech men in any way in their power. They want you to let them know how they can be of service to you. And they assure every student in the Institute, whether a member of the Technology Christian Association or not, of a hearty welcome whenever he seeks their help. . L. R. TALBOT.

THE FRATERNITY SITUATION

FAR and wide throughout the country, in nearly every state and in hundreds of colleges and universities, the fraternity situation is at a critical point. By some it has been termed the great Anti-fraternity War. The opposing factions have taken it into the legislatures of several states and are seeking every means possible to "cleanse" our American colleges of the "curse" of the Greek-letter fraternity. Their campaign has been successfully carried into many colleges and has succeeded in so tying them in with regulations that they cannot long survive, or have had them entirely abolished. "Money



talks," they say; and, when a "philanthropist" extends a silver tray, upon which lies a choice "nest-egg" in the shape of a couple of million dollars, and says, "Abolish fraternities, and it is yours," the trustees generally take the money. But not always is this the case. There are some college boards who have had this offer made them and refused. They are not all "moss-backs." And in some cases the college authorities, having a false impression of fraternity life, not having taken the time to investigate, conceive a desire to show their power—and the fraternities suffer. And so the storm rages, with here and there a spot where the enemy have not obtained a foothold.

And amid all this strife the fraternity affairs at Tech run smoothly on. Aside from the fact that most things worthy succeed and run smoothly at Tech, there are several other reasons for the calm and serenity of the situation here. First and foremost among these reasons is the fact that we are blessed with a sane and broad-minded faculty, who are aware of the merits of fraternity life, and who know just exactly what they are doing in regard to it. Aside from this, the chapters at Tech are of a good substantial character, and under the leadership of men who have been through the "mill" and succeeded.

The right attitude is taken toward scholarship, and the standard is surprisingly high.

In all, taking into consideration the attitude of the faculty toward the fraternity, the standard of scholarship among fraternity men, and the good feeling that exists between the various chapters, the situation here is one of which we should be proud. And, though elsewhere legislators sit in judgment, faculties interfere, and chapters or whole fraternities cease to exist, fraternity life at Tech will run serenely on, uninterrupted by the outside turmoil.

HOWARD LINCOLN COBURN, '98

SINCE man began to express his moods and ideas to his fellows, he has struggled to find the word or phrase which would exactly convey his meaning, and has, from time to time, found names so terse, so exact, as to be hailed at first as epigrams, and then, through custom, to be accepted as axioms of thought and expression.

Thus, with apt precision, some one, knowing Howard Lincoln Coburn's rare wisdom and broad sympathy, called him "Pa," and since then the words "Pa Coburn" have become more than the name of a man. They mean a sympathy with the inconsistent ardors of youth which the mellowing of experience



has only broadened. "Pa" Coburn is the name of a kindly pilot who has helped many a young navigator to realize that the prudent proverbs which charted the sheltered passages must not be ruthlessly thrown by the board, but must be wisely applied for the broader seas. To many a boy, discouraged at the discovery that life's formulæ always contain an uncertain variable, he has shown how good men use that very uncertainty to make the equation hold.

Howard Lincoln Coburn is "Pa" Coburn because he is kind, but also because he is candid. His sympathy is real, but so, too, is his justice. His candor often stings, but his kindliness always heals.

Quoting from one of his classmates:—

"In his Freshman year, he showed himself an earnest worker and a successful student. His talent was well balanced, free from eccentricities, social as well as technical. Every one of his associates was his friend, and these ties have ripened and become stronger with every year. His classmates naturally remember little of his efficiency in passing examinations and obtaining good marks; but they do remember his ready assistance, his determination to know why, and to press the instructing staff for an adequate reason. His closest acquaintance with many of his old classmates has

come since the Reunion period, and these new old friends have found him as interested and helpful as of old." These last words express Coburn's attitude not only towards his classmates, but to all Tech men. Probably no other man of Tech has as large an acquaintance or such a circle of admiring friends.

Quoting from another friend:—

"My first real acquaintance with Coburn was in 1903, when he delivered a series of lectures before the men of Course VI and Course II at the Institute, taking for his subject 'Steam Plants.' I was amazed at his insight into the minds of the students, and his knowledge of such subjects as were the most difficult for them to comprehend. His talent, for such it seemed to be, of drawing from the men their lack of understanding, without its being apparent either to them or to their friends, was almost uncanny. His ready sympathy, his earnest desire to make matters clear, attracted all men to him. In a few days he had practically the entire class as friends, and they have remained so from that day to this, looking upon him as a source of information and inspiration on all subjects. Years after leaving Tech, these men correspond with him about troubles of all characters, rarely, if ever, failing to obtain the information they may desire or the sympathy they need.



"His ability of meeting men and putting them at their ease is remarkable, never at a loss for a subject of conversation, always keen to find the one subject of interest to his companion. He has no fear of admitting he is wrong, is positive in his opinions, but never to the point of hurting the feelings of his friends or companions, a genial companion, ready to spend his last dollar to help a friend. Coburn's friends cover the country, it might almost be said the world; and his correspondence with men in all parts of the world must use up a great deal of his time. To those who are in and about Boston, his door—either at the Tech Chambers, where he makes his home, or the Technology Club, where he spends a large part of his time, or his office—is open at all times."

"Many men who have graduated from Tech, and many who have not graduated, owe much of their success at Tech or since leaving Tech to the inspiration received through their acquaintance with Coburn. Some of them, doubtless, would have failed to pass but for his earnest efforts for them or with them, and many of those who have left have found his assistance of tremendous value to them in the work they are doing.

"His work has covered a very large field. From the design of automatic weighing machines and

calculating machines, up to the design of the largest types of engines and boilers, is a far cry; but it is no further than from the design of mill plants, particularly the steam end, up to the design of the reinforced concrete dam upon which he is now devoting his energies. In every field he has made a success. His friends among the contracting class, the engineering class, and the financial class are strong and staunch, for, as his classmate so well states, his determination to know why, has been the keynote to his success in doing the right thing in the right way at the right time.

"His leaving Boston and making his headquarters in New York will result in the undergraduates' losing a most helpful and interested friend. They will not, however, lose the benefit of his advice or help as an alumnus, for the time he will have left for alumni matters will be increased by the time he has previously spent with the undergraduates; and, as Coburn's interest in alumni matters has been very great, undoubtedly he will spend all the time possible in such matters with the idea of improving, if possible, the standing of Tech, and helping the alumni get more actively and intimately in touch with the undergraduates. Coburn has always been as active in alumni



affairs as he has been recently in undergraduate affairs. He has held many positions of responsibility in his class and also in the Alumni Association,—always an active, untiring worker for the benefit of Tech and Tech men."

Many of the institutions here at Tech owe their very existence to "Pa" Coburn. He has assisted in their organization, nursed them in their infancy; and, when difficulties arise, he is ever present with his ready sympathy and kindly word of advice. His interest is unflagging, and his presence a panacea for all trouble. When he is with us he is one of the boys, with his hearty hand-clasp and jolly companionship; but of those who have known him, none name him lightly. To the men of Technology he is, and has been, all that the name "Pa" implies,—our guide and counsellor, aiding us in difficulty, sympathizing in failures, and ready with praise in our victories. To a man, of Technology, for Technology, and by Technology, a good man and broad, a kind friend and true, we bow, with one accord, to Howard Lincoln Coburn.

AS THE YEARS ROLL BY

WHO are in the embryonic state, with our heads full of abstract and theoretical nonentities, our noses buried in

books on the whys and wherefores of the unknown, our slumbers disturbed by the click of the lantern-slide, and our optical nerves racked by the continued appearance of scrawls of red ink, are wont to pause and reflect. Doubts assail us, our ambitions receive a jolt, and our minds revert to the old and oft-repeated question, "Is it worth while?" In such moments the following contributions of two alumni may help to cheer us up.

TEN YEARS AS AN ALUMNUS

THE faith in Tech as an institution which I had as a student, has been gradually transformed into a more definite understanding of her influence. The old enthusiasm is, perhaps, a little lacking, but in its place there is a feeling of deep gratitude, and an increasing appreciation of her influence toward constructive living. To me, now, Tech *is*, she *exists*, a clearly outlined reality. Because of her, certain tendencies exist, certain standards are created and approached, if not attained. She is bone and blood of the general body of efficiency everywhere manifest. She is the life-force, the source, of scientific management, better called scientific conservation of energy. She is the brain that is trying to fit us, cog by cog, into perfectly



adapted relations for the execution of our life-work. Finally, she is the impulse that sets and keeps us going, and it is the little part which she helps us play wherein we will find greatest happiness. Perhaps I no longer respond as readily to the call to cheer, but I am very firm in my belief that Tech and the work of Tech are part and parcel of existence.

RICHARD B. DERBY.

TWENTY YEARS AS AN ALUMNUS

TO be a Tech alumnus means a great deal to me. In fact, whatever success I may have attained in my professional career is due chiefly to my being a Tech graduate. I do not wish to appear egotistical, but I know of no better way to amplify the foregoing statement than by giving a brief account of my activities since leaving Tech.

After graduation, I secured a position in the Maintenance of Way Department of the Boston and Maine Railroad, my only recommendation being from the Institute. After some two years in this position, I was introduced to the chief engineer of the Panama Railroad by an acquaintance made on the Boston and Maine. His recommendation,

backed by my Tech degree, secured me a position as supervisor of track on the Panama Railroad at a salary more than twice what I was receiving from the Boston and Maine. This step was the beginning of a tropical engineering experience, lasting more than eleven years, in Panama, Ecuador, Peru, Chile, and Mexico, and culminating in the position of assistant division engineer of the Central Division of the Panama Canal, with ten thousand men under my direction.

In 1910, the mayor of Boston, John F. Fitzgerald, having heard of my work, offered me the position of superintendent of streets without ever having seen me. I accepted the offer, and I sometimes question whether I would have been confirmed by the Civil Service Commission if my record had not been fortified by the fact that I was a Tech alumnus.

Of all my assets, I consider my Tech degree one of the most valuable, because, without it, I would undoubtedly have missed many of the others.

In conclusion, a degree from Tech, to be of full value, must be everlastingly supported by honesty and hard work. The brains go without saying.

L. K. ROURKE, '95,
*Commissioner of Public Works,
Boston, Massachusetts.*



THE TECHNOLOGY-HARVARD ALLIANCE

THE recent agreement between Harvard and Technology makes for efficiency and economy, emphasizes the duty of making "opportunity to the students" the first consideration of every school, frowns on the most insidious form of selfishness, which is selfishness "on behalf of one's institution," and promotes mutual confidence and respect between neighbors. It is an agreement between independents, and does not involve in any sense absorption of one institution by another. It calls for no giving up of work by either party to the agreement: all that is now done by either will continue to be done, the difference being that it will henceforth be done by *both*. Harvard has been in the field of engineering longer than Technology, but it is only within recent years that she has emphasized the graduate idea by making graduation from a college a condition of entrance to her schools. Technology's policy has always been to do the best that she can for all sorts and conditions of men, whether college graduates or not, provided that they measure up to her standards at entrance. She has paid special attention to men who did not go to college,

either because their time or means, or both, were limited, or for any other reasons. She will, of course, continue to pursue this policy. The alliance between the two institutions will make possible a more effective provision for the needs of the graduates of high schools who do not go to college, and also a more effective provision for the needs of college graduates. It will be especially advantageous in providing far more effectively than has yet been done anywhere in this country for the needs of another class,—those men, small in number but great in power and influence, who are preparing to devote themselves to advanced study and research in engineering. It will be an enormous advantage to have all these men of various types working together in the same place and under the supervision of the same teachers. Each will stimulate the other, and the whole machine will be vastly more effective than if its different parts were isolated or apart. The conditions of work will be well-nigh ideal for the ablest teachers, the ablest investigators, and the ablest students, and, with proper support from the country as a whole, this institution will stand before the world unrivalled in its power and influence for good.

President RICHARD C. MACLAURIN.



THE ARCHITECT OF THE NEW TECHNOLOGY



FOR many years the necessity of a new group of buildings for Technology has been only too apparent to every one. It was not until the inception of Dr. Maclaurin as President of the Institute that this necessity assumed the aspect of a probability. Due to his untiring energy and the magnetic influence he has exerted upon the purse strings of certain public-spirited men, and because of the contributions of loyal alumni, the future of the Institute became assured. The splendid site in Cambridge bordering the Charles River was purchased; and, in February, 1913, Mr. William Welles Bosworth was appointed the architect who could best undertake the great responsibility of designing a group of buildings which must meet many diverse requirements as to plan, and, at the same time, preserve the architectural dignity compatible with the ideals of the Institute.

The magnitude of the task thus imposed on the architect is apparent, for it means that within an exceedingly short space of time he must provide Technology with a carefully planned new home.

You are all familiar with the splendid result, for, with the publication of the accepted plans and elevations, it was soon realized that the most impressive group of educational buildings in the country was about to be erected. A few words about the architect himself will, therefore, not be out of place.

Mr. Bosworth entered Technology at the age of sixteen, and affiliated himself with the class of 1889. In those days the Architectural Department was situated in the southwest portion of the second floor of the Walker Building. Professor Eugene Letang was then head of the course in Design, and his kindly, yet earnest, criticisms of the students' problems were an inspiration to them.

As the Public Library had not been built, Trinity Church stood for all that was most admired in Boston, and Mr. Bosworth agreed with other progressive spirits in



WILLIAM WELLES BOSWORTH



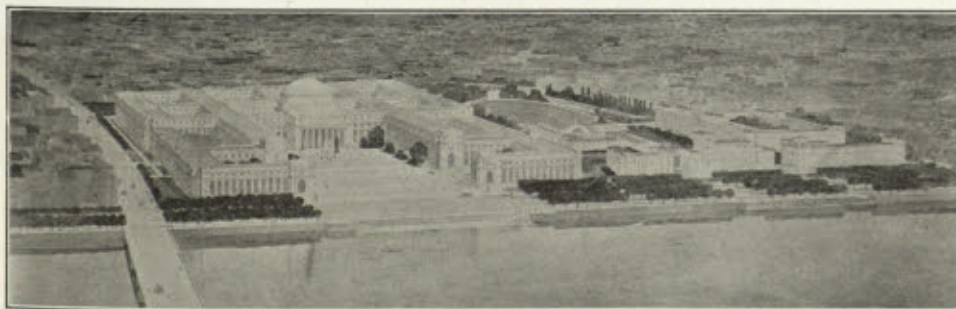
the Department that Romanesque architecture should be studied rather than the classic orders, and he rendered some of his first problems in this style.

Before completing his course, however, he was influenced by Professor Letang to abandon this style for the classic, and he won high rank in problems developed in this latter style. He showed a special fondness for rendering and free-hand work, and, after leaving the Institute, he was given much work of the nature to do in the office of Messrs. Shepley, Rutan & Coolidge. He worked on the plans for the Leland Stanford University both there and in the office of Mr. Frederic Law Olmsted.

After publishing some of his pen-and-ink sketches in the *American Architect*, he was easily induced by Mr. Gregg to join the Architectural Rendering Department of that publication. Mr. Bosworth's training in this office was far from narrowing in its influence upon his later work.

He went abroad with Mr. William Rotch Ware, the editor of the *American Architect*, and travelled extensively. On his return he started a practice of his own.

Due to the persuasion of Mr. Thomas Hastings and Mr. John Galen Howard, Mr. Bosworth decided to continue his studies at the Beaux Arts in Paris. At that time the atmosphere of Boston was so charged with the personality of Mr. Richardson that the École des Beaux Arts was rarely mentioned. In New York, however, Carrère, Hastings, and Howard were vigorously urging the younger men to go to Paris. On account of the warnings he had received of the danger of "spoiling his taste" in the Beaux Arts, Mr. Bosworth chose to go first to London, where he studied under the inspiration of Alma-Tadema. He then decided to go to Paris, and entered the atelier of Godefroy and Freynet, where he received 20, the highest mark ever given, on a twelve-hour sketch problem. Later he entered the École, and joined the atelier of Gaston Redon, who was at that time architect of the Louvre, and also spent a

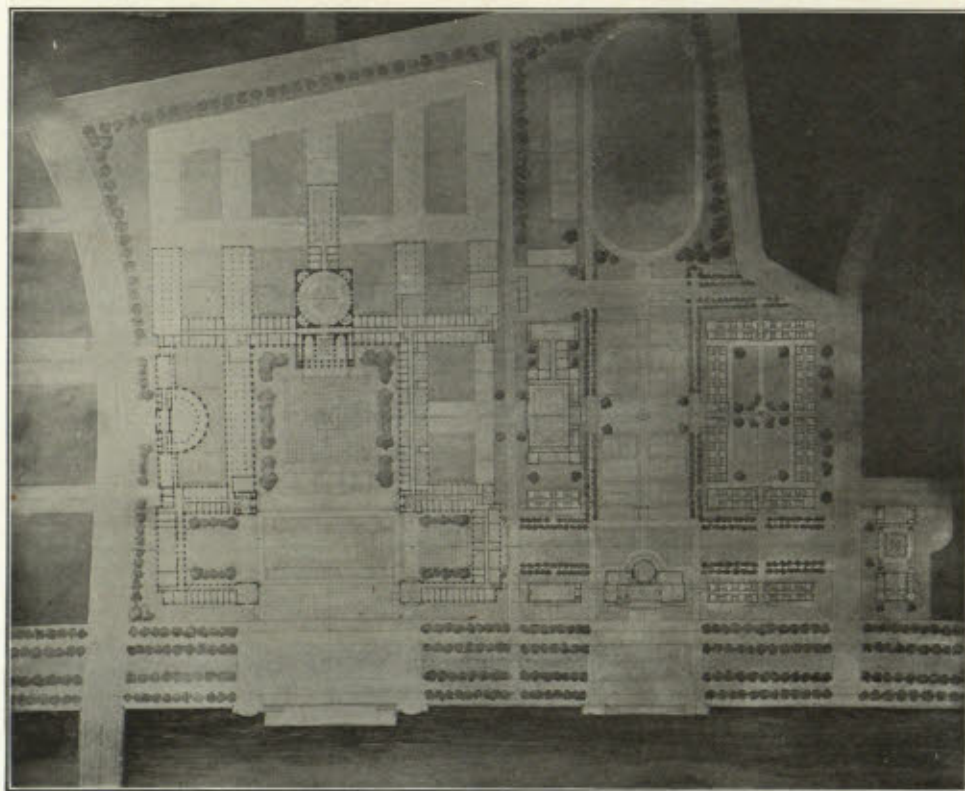


considerable time working under Chaussemiche. After travelling through Europe, he returned to New York to enter the office of Carrère & Hastings, where he was given complete charge of the plans for the Pan-American Exposition at Buffalo. Later he went to the Exposition himself as resident architect, and was responsible for the design and construction of many buildings as well as the landscape planning and general layout of the grounds. A little later he was retained by the building commission of the city of Cleveland to lay out the group plan of suggested improvements for that city. In the competition for the West Point buildings, he was associated with Messrs. Cram, Goodhue, and Ferguson, who were awarded the contract.

He quickly built up a large practice in New York, and among his most notable works are the beautiful gardens for Mr. John D. Rockefeller at Pocantico Hills, the town house for Mr. Rockefeller, Jr., and the great white granite building which is now being built for the Western Union Telegraph Company.

All who know Mr. Bosworth's work realize his originality, his good taste, his classic sense of simplicity, and his efficiency in solving practical problems. It is the knowledge of these qualities that makes possible the prediction that in 1915 Technology will move into a new home, splendidly equipped, and ennobled by the serene tranquillity of its architecture.

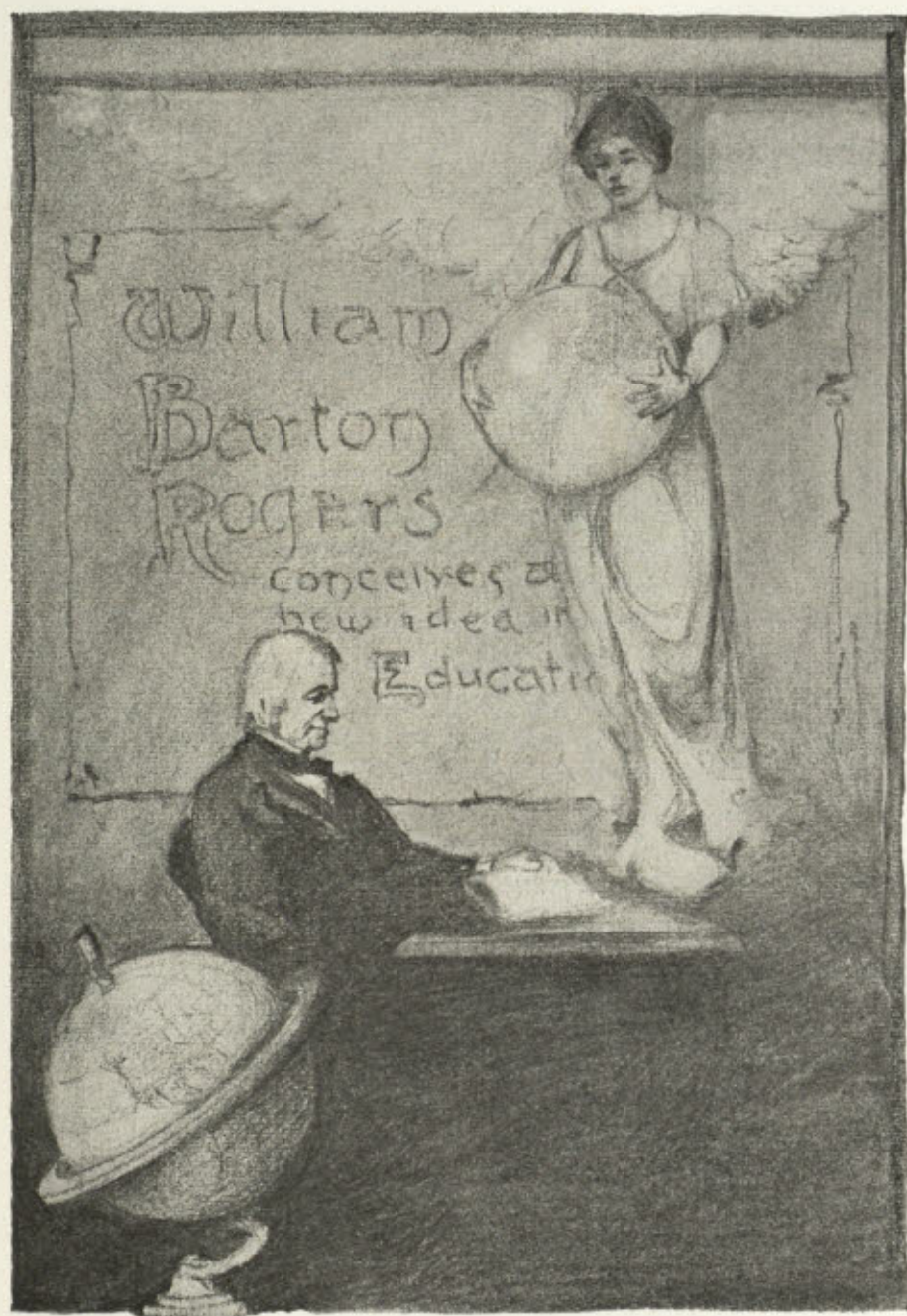
HAROLD E. KEBBON.





Throughout the book there are seven pictures with their accompanying descriptive writeup, telling in outline form the development of Technology.

IT WAS in the early sixties that William Barton Rogers, a gentleman and educator of the South, conceived a new idea in educational methods. Though of the South and its institutions, he perceived that the South was not at that time capable of developing his idea, and so turned to the North, and in a strange part of the country carried out his ideas in the founding and consequent development of the Massachusetts Institute of Technology.

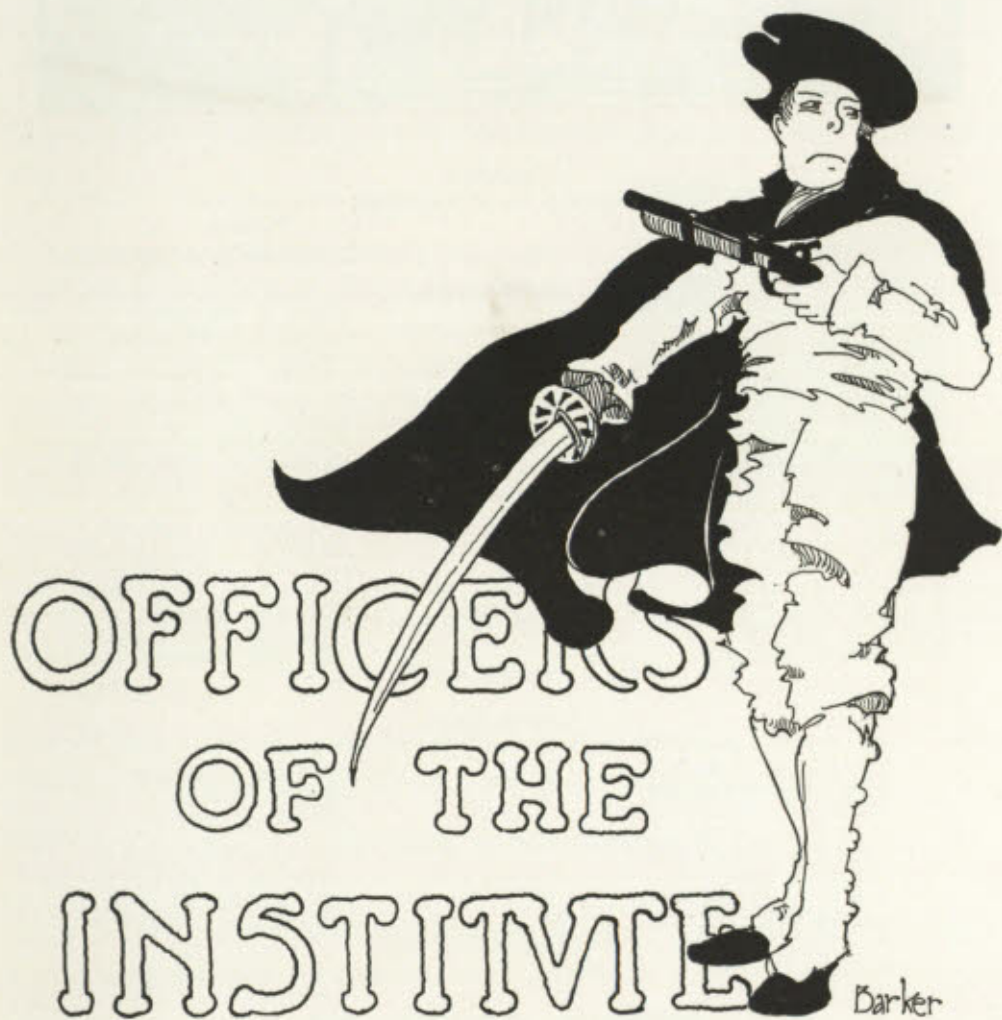




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COURSES I AND XI

DEPARTMENT OF CIVIL AND SANITARY ENGINEERING

CHARLES M. SPOFFORD, S.B., *Hayward Professor of Civil Engineering; in charge of the Department of Civil and Sanitary Engineering.*—S.B., M. I. T. 1893, I., A X P.

Graduate Student in Civil Engineering, Massachusetts Institute of Technology, 1894; Assistant in Civil Engineering, Massachusetts Institute of Technology, 1896-97; Instructor, 1897-1903; Assistant Professor, 1903-05; Professor of Civil Engineering, Brooklyn Polytechnic Institute, 1905-09; Professor of Civil Engineering, Massachusetts Institute of Technology, since 1909.

Author of *The Theory of Structures* and various papers on engineering subjects.

Residence, 8 Keswick Street.



C. FRANK ALLEN, S.B., Mem. Am. Soc. C. E., *Professor of Railroad Engineering.*—S.B., M. I. T. 1872, I.

Member of Committee of Publication of *Technology Review*, 1899-1901; Assistant Professor, Massachusetts Institute of Technology, 1887-89; Associate Professor, 1889-96; Professor from 1896; Head of the Departments of Civil and Sanitary Engineering, 1909-11.

Author of *Railroad Curves and Earthwork* and other books.

Residence, 88 Montview Street, West Roxbury.



HAROLD K. BARROWS, S.B., *Associate Professor of Hydraulic Engineering.*—S.B., M. I. T. 1895, I.; Mem. Am. Soc. C. E.

Assistant in Civil Engineering, Massachusetts Institute of Technology, 1895-96; Assistant Professor of Civil Engineering, University of Vermont, 1901-03; Associate Professor, 1903-04; District Engineer, United States Geological Survey, 1904-09; Consulting Hydraulic and Sanitary Engineer, 1907-09; Associate Professor of Hydraulic Engineering, Massachusetts Institute of Technology, 1909; and of Barrows & Breed, Consulting Engineers.

Residence, Winchester, Mass.





CHARLES B. BREED, S.B., M. I. T. 1897, I., $\Phi \Sigma K$, *Associate Professor of Civil Engineering*.—Mem. Am. Soc. C. E., Mem. Amer. Ry. Engineering Assoc., Mem. Soc. for Promotion of Engineering Education, Mem. Board of Government, Boston Soc. C. E.

Assistant in Civil Engineering, Massachusetts Institute of Technology, 1898–1900; Instructor, 1901–08; Assistant Professor, 1908–10; Associate Professor since 1910.

Joint author *Principles and Practice of Surveying*, associate editor *American Civil Engineers' Pocket Book*.

Residence, 5 George Street, West Lynn.



GEORGE L. HOSMER, *Assistant Professor of Civil Engineering*.—M. I. T. 1897, I.

Instructor in Civil Engineering, Massachusetts Institute of Technology, 1897–1907; Assistant Professor from 1907.

Author of *Text Book on Practical Astronomy*, *Principles and Practice of Surveying* (with Professor C. B. Breed), *A Surveyor's Hand Book* entitled "Azimuth."

Residence, Salem Street, Woburn.



LEWIS EUGENE MOORE, B.S., C.E., *Associate Professor of Structural Engineering*.—B.S., University of Wisconsin, 1900; C.E., University of Wisconsin, 1906, T B II.

Student, Massachusetts Institute of Technology, 1901–02; Instructor in Mechanics and Structural Engineering, University of Wisconsin, 1903–04; Instructor in Theoretical and Applied Mechanics, University of Illinois, 1904–07; Assistant Professor of Civil Engineering, Massachusetts Institute of Technology, 1907–13; Associate Professor from 1913.

Residence, 85 Washington Park, Newtonville.



DWIGHT PORTER, Ph.B., Am. Soc. C. E., *Professor of Hydraulic Engineering; in charge of the Course in Sanitary Engineering*.—Ph.B., Yale S. S., 1880, Berzelius Society.

Special Agent, Tenth Census United States, Report upon Water Power, 1880–83; Instructor in Mathematics, Massachusetts Institute of Technology, 1883–85; Instructor in Civil Engineering, 1885–87; Assistant Professor of Civil Engineering, 1887–90; Associate Professor of Hydraulic Engineering, 1890–96; Professor from 1896.

Author of *Flood Discharge from Small Watersheds*, Report upon a Sanitary Inspection of Certain Tenement-house Districts of Boston, Reports on Water Power, Water Power Streams of Maine, Notes on Stereotomy and Warped Surfaces, Stream Gagings, etc.

Residence, 149 Hawthorne Street, Malden.

ARTHUR G. ROBBINS, S.B., *Professor of Topographical Engineering.*—S.B., M. I. T. 1886, I.

Assistant in Civil Engineering, Massachusetts Institute of Technology, 1886-88; Instructor in Civil Engineering, 1888-93; Instructor in Highway Engineering, 1893-96; Assistant Professor of Highway Engineering, 1896-1906; Associate Professor of Topographical Engineering, 1906; Professor, 1909.

Author of *An Elementary Treatise on Plane Surveying and Navigation* and various magazine articles.

Residence, 42 Oak Street, Belmont.



GEORGE E. RUSSELL, S.B., *Associate Professor of Hydraulic Engineering.*—S.B., M. I. T. 1900, I.

Assistant in Civil Engineering, Massachusetts Institute of Technology, 1900-01; with American Car Foundry Company, Draughtsman, 1901-02; Structural Engineer, 1902-04; Instructor in Civil Engineering, Cornell University, 1904-05; Instructor in Civil Engineering, Massachusetts Institute of Technology, 1905-07; Assistant Professor, 1907-1913; Associate Professor from 1913.

Author of *Text Book on Hydraulics*.

Residence, 996 South Street, Roslindale.



JOHN W. HOWARD, S.B., *Assistant Professor of Topographical Engineering.*—S.B., M. I. T. 1903, I.; Assoc. Mem. Am. Soc. C. E.

Assistant in Civil Engineering, Massachusetts Institute of Technology, 1903-05; Instructor, 1905-13; Assistant Professor since 1913.

Residence, 147 Grampian Way, Dorchester.



COURSE II

DEPARTMENT OF MECHANICAL ENGINEERING



EDWARD F. MILLER, S.B., Mem. Am. Soc. M. E., Mem. Am. Soc. C. E., Mem. Am. Soc. Refrig. E., Mem. Boston Soc. C. E., Life Mem. M. C. M. A., Honorary Mem. N. A. S. E., *Professor of Steam Engineering; in charge of the Department.*—S.B., M. I. T. 1886, II.

Assistant, Massachusetts Institute of Technology, 1886–88; Instructor, 1888–92; Assistant Professor of Steam Engineering, 1892–99; Associate Professor, 1899; Professor from 1906; in charge of the Department of Mechanical Engineering from 1912.

Author of *Steam Boilers* (with C. H. Peabody), *Waste Heat Engines*, *Foreign Technical Schools*, and a number of articles in engineering papers.

Residence, 538 Ward Street, Newton Centre.



CHARLES W. BERRY, S.B., *Associate Professor of Heat Engineering.*—M. I. T. 1895, VI.

Studied in Göttingen, Germany, 1895–98; held Swett Fellowship, 1895–97; Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1899–1900; Instructor, 1900–08; Assistant Professor of Mechanical Engineering, 1908–12; Associate Professor, 1912.

Author of *Explosive Mixtures at Atmospheric Pressure*, *The Principles of Human Equality*, *Measurement of Air with an Orifice*, *The Temperature Entropy Diagram* (3 editions), (joint author) *Problems in Thermodynamics and Heat Engineering*.

Residence, 952 Broadway, Somerville.



CHARLES E. FULLER, S.B., *Professor of Theoretical and Applied Mechanics.*—S.B., M. I. T. 1892, II.

Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1892–94; Instructor of Mechanical Engineering, 1894–1900; Assistant Professor, 1900–06; Associate Professor, 1906–12; Professor from 1912.

Residence, Wellesley.

GEORGE BARTHOLOMEW HAVEN, S.B., *Associate Professor of Mechanical Engineering*.—S.B., M. I. T. 1894, II.

Assistant in Mechanical Engineering Drawing, Massachusetts Institute of Technology, 1894-96; Instructor in Mechanical Engineering Laboratory, 1896-99; Instructor in Machine Design and Mill Engineering, 1899-1905; Assistant Professor of Mechanical Engineering, 1905-10; Associate Professor of Mechanical Engineering from 1910.

Residence, 704 Webster Street, Needham.



HARRISON W. HAYWARD, S.B., *Associate Professor of Applied Mechanics*.—S.B., M. I. T. 1896, X; Mem. Am. Soc. for Testing Materials, Assoc. Am. Soc. of C. E., Nat. Assn. of Cement Users, Soc. for Promotion of Engineering Education.

Assistant in Industrial Chemistry, Massachusetts Institute of Technology, 1896-98; Draughtsman, Universal Loom Works, 1899-1900; Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1900-02; Instructor, 1902-07; Assistant Professor of Applied Mechanics, 1907-12; Associate Professor since 1912.

Residence, 26 Everett Street, Newton Centre.



WALTER H. JAMES, S.B., *Assistant Professor of Mechanical Engineering Drawing*.—S.B., M. I. T. 1896, II.

Draughtsman, Waltham Bleachery and Dye Works, 1896-1900; Assistant in Mechanical Engineering, 1900-03; Instructor, 1903-12; Assistant Professor since 1912.

Residence, Portsmouth, N.H.



WILLIAM A. JOHNSTON, S.B., Mem. Am. Soc. M. E., Mem. Am. Soc. T. M., Mem. Soc. P. E. E., Mem. N. E. A., *Professor of Theoretical and Applied Mechanics*.—S.B., M. I. T. 1892, II.

Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1892-94; Instructor, 1894-1900; Assistant Professor of Mechanical Engineering, 1900-06; Associate Professor, 1906-12; Professor of Theoretical and Applied Mechanics, 1912.

Author of *Applied Mechanics* (with C. E. Fuller).

Residence, 35 Hillside Terrace, Belmont.





ALLYNE L. MERRILL, S.B., Am. Soc. M. E., *Professor of Mechanism; Secretary of the Faculty.*—S.B., M. I. T. 1885, II.

Assistant, Massachusetts Institute of Technology, 1885-87; Instructor, 1887-91; Assistant Professor of Mechanism, 1891-99; Associate Professor, 1899-1905; Professor from 1905; Acting Dean, 1905-06; Secretary of the Faculty from 1906.

Author of *Elements of Mechanism* (with Professor Schwamb).

Residence, Payson Park, Belmont.



CHARLES F. PARK, S.B., *Professor of Mechanism; Director of the Mechanical Laboratories; Director of the Lowell Institute School for Industrial Foremen.*—S.B., M. I. T. 1892, II., A. T. U.

Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1892-94; Instructor in Mechanical Engineering, 1894-1900; Assistant Professor of Mechanical Engineering, 1900-06; Associate Professor, 1906-12; Professor of Mechanism, 1912.

Residence, 21 Prospect Street, Taunton.



JOSEPH C. RILEY, S.B., *Associate Professor of Heat Engineering.*—S.B., M. I. T. 1898, II.; Mem. Am. Soc. of M. E., and Engineers' Club.

Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1898-1901; Instructor, 1901-08; Assistant Professor from 1908.

Residence, 77 Rockview Street, Jamaica Plain.



LAWRENCE SOUTHWICK SMITH, S.B., *Assistant Professor of Theoretical and Applied Mechanics.*—S.B., M. I. T. 1900, II.

Assistant in Mechanical Engineering, 1900-03; Instructor, 1903-12; Assistant Professor of Theoretical and Applied Mechanics from 1912; Member American Society for Testing Materials.

Author of A. S. M. E. paper, *Stresses in Reinforced-Concrete Beams* (with G. Lanza).

Residence, 25 Fisher Avenue, Newton Highlands.

THEODORE H. TAFT, S.B., Mem. A. S. M. E., *Assistant Professor of Mechanical Engineering.*—M. I. T. 1902, II.

Draughtsman, Improved Paper Machinery Co., Nashua, N.H.; with W. O. Webber, Consulting Engineer, Boston, 1902-03; Assistant in Mechanical Engineering, Massachusetts Institute of Technology, 1903-05; Instructor, 1905-10; Assistant Professor from 1910.

Residence, 1 Avon Place, Cambridge.



COURSE III

DEPARTMENT OF MINING ENGINEERING AND METALLURGY.

ROBERT H. RICHARDS, S.B., LL.D., *Professor of Mining Engineering and Metallurgy; in charge of the Department.*—S.B., M. I. T. 1868, III.; LL.D., University of Missouri, 1908.

Instructor in Assaying and Qualitative Analysis, 1869-70; Assistant Professor of Analytical Chemistry, 1870-71; Professor of Mineralogy and Assaying, in charge of the Mining and Metallurgical Laboratories, 1871-72; Professor of Mining Engineering, 1873; of Metallurgy, 1884; President of the M. I. T. Alumni, 1873-76.

President American Institute of Mining Engineers, 1886; Honorary Member of Mining, Metallurgical, and Chemical Society of South Africa since 1909; Honorary Member of American Institute of Mining Engineers; Mining Expert, Specialty Ore Dressing.

Residence, 32 Eliot Street, Jamaica Plain.



EDWARD E. BUGBEE, S.B., *Assistant Professor of Mining Engineering and Metallurgy.*—S.B., M. I. T. 1900, III.; University of Washington, $\Sigma \Xi, B \Theta \Pi$.

Assistant in Mining Engineering and Metallurgy, Massachusetts Institute of Technology, 1901-02; Special Agent United States Census (Mining), 1903; Assistant Professor of Mining Engineering and Metallurgy, Iowa State College, 1903-06; Assistant Professor of Assaying and Metallurgy, University of Washington, 1906-07; Assistant Professor of Mining Engineering and Metallurgy from 1907; Assistant Geologist, U.S. Geological Survey, from 1907.

Author of Notes on Fire Assaying.

Residence, 683 Washington Street, Brookline.





CARLE R. HAYWARD, S.B., *Assistant Professor of Mining Engineering and Metallurgy.*—M. I. T. 1904.

Teacher of Science, Bellows Free Academy, Fairfax, Vt., 1904-06; Instructor in Mining Engineering and Metallurgy, 1906-12; Assistant Professor from 1912.

Translator of Borchers' "Huttenwesen"; author of several papers in Transactions of the American Institute of Mining Engineers; abstractor for the American Chemical Society.

Residence, 233 Goffe Street, Quincy.



HEINRICH O. HOFMAN, E.M., Met.E., Ph.D., *Professor of Metallurgy.*—E.M., Met.E., Prussian School of Mines, Clausthal, 1877; Ph.D., Ohio University, 1889.

Private Assistant to Professor R. H. Richards and Lecturer on Metallurgy, Massachusetts Institute of Technology, 1887-88; Assistant Professor of Mining and Metallurgy, 1889-91; Associate Professor of Mining and Metallurgy, 1891-98; Professor of Metallurgy from 1898.

Author of several books on Metallurgy.

Residence, 88 Robinwood Avenue, Jamaica Plain.



CHARLES E. LOCKE, S.B., *Assistant Professor of Mining Engineering and Metallurgy.*—S.B., M. I. T. 1896, III.

Mine Surveyor near Rock Springs, Wyoming, 1896-97; Private Assistant to Professor Richards in the preparation of his book on Ore Dressing, 1897-1901; Instructor in Mining Engineering and Metallurgy, Massachusetts Institute of Technology, 1901-06; Assistant Professor of Mining Engineering and Metallurgy from 1906.

Residence, 22 Blagden Street.

COURSE IV

DEPARTMENT OF ARCHITECTURE

JAMES KNOX TAYLOR, F. A. I. A., *Professor of Architecture; Director of the Department.*

Practising Architect, 1883-97; Supervising Architect, United States Treasury Department, 1897-1912; Member of United States Advisory Board on Structural Materials, 1904-05; Honorary Member of Society of Architects of Portugal; Fellow of American Institute of Architects; Lecturer at Harvard Architectural School; Member of St. Botolph Club, Boston, and Cosmos Club, Washington, D.C.

Residence, 29 Commonwealth Avenue, Boston.



WILLIAM FELTON BROWN, *Assistant Professor of Freehand Drawing and Life Class.*—*Élève* Delauney and Gustave Moreau.

Studied in Paris four years: one year at the Académie Julien under Doucet; three years at the École des Beaux-Arts, drawing, painting, and the theory of color, under E. Delauney and Gustave Moreau; anatomy of the human figure under Duval; Assistant, Massachusetts Institute of Technology, 1894-95; Instructor, 1895-1911; Assistant Professor from 1911.

Residence, 35 Glenwood Street, Roxbury.



ALBERT LEMONNIER, *Assistant Professor of Architecture.*—Architect, Diplômé du Gouvernement Français; awarded Prix Labarre, Prix Americain Stillman, Prix Couvents-Daupeley, École des Beaux-Arts; Prix Deschaumes, Académie des Beaux Arts Institut de France. Médaille, Salon des Artistes Français, 1912.

Residence, Technology Chambers.





HARRY W. GARDNER, S.B., *Associate Professor of Architecture*.—S.B., M. I. T. 1894, IV.

Instructor in Architecture, Massachusetts Institute of Technology, 1896–1903; Assistant Professor, 1903; Associate Professor, 1909.

Author of *Shades and Shadow Notes for the American School of Correspondence*.

Residence, 26 Walnut Place, Newtonville.



WILLIAM H. LAWRENCE, S.B., *Professor of Architectural Engineering*.—S.B., M. I. T. 1891, IV.

Instructor in Architecture, Massachusetts Institute of Technology, 1891–96; Assistant Professor, 1896–1901; Associate Professor, 1901; Professor, 1909.

Author of *Elements of Shades and Shadows, Principles of Perspective*.

Residence, 34 Sumner Street, Dorchester.



EDGAR I. WILLIAMS, S.B., 1908, M.S., 1909, M. I. T., A. Φ., *Assistant Professor of Architecture*.

Fellow of the American Academy in Rome, 1909; Instructor in Architecture, Massachusetts Institute of Technology, 1912; Assistant Professor, 1912.

Residence, 48 Massachusetts Avenue, Cambridge, Mass.

COURSES V AND X

DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING

HENRY P. TALBOT, S.B., Ph.D., *Professor of Inorganic and Analytical Chemistry; in charge of the Department of Chemistry and Chemical Engineering.*—S.B., M. I. T. 1885, V., $\Phi \Gamma \Delta$; Ph.D., University of Leipzig, 1890.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1885-87; Instructor, 1887-88 and 1890-92; Assistant Professor of Analytical Chemistry, 1892-95; Associate Professor of Analytical Chemistry, 1895-98; Professor of Analytical Chemistry, 1898-1902; Professor of Inorganic and Analytical Chemistry, 1902-12; Professor of Inorganic Chemistry from 1912.

Author of *An Elementary Course of Quantitative Analysis*, *The Electrolytic Dissociation Theory* (with A. A. Blanchard), and numerous papers on chemical or educational topics in current journals.

Residence, 273 Otis Street, West Newton.



WILLIAM H. WALKER, S.B., Ph.D., $\Phi \kappa \Sigma$, *Professor of Chemical Engineering; Director of the Research Laboratory of Applied Chemistry; Head of Department of Chemical Engineering.*—S.B., Pennsylvania State College, 1890; Ph.D., Göttingen, 1892.

Instructor in Chemistry, Pennsylvania State College, 1892-94; Instructor, Massachusetts Institute of Technology, 1894-1900; Member of the firm of Little & Walker, Chemical Experts and Engineers, 1900-05; Associate Professor, Massachusetts Institute of Technology, 1902-05; Professor from 1905.

Author of scientific papers.

Residence, 226 Bay State Road, Boston.



ARTHUR A. BLANCHARD, S.B., Ph.D., *Assistant Professor of Inorganic Chemistry.*—S.B., M. I. T. 1898, V.; Ph.D., Leipzig, 1902.

Private Assistant to Professor Noyes and Assistant in Theoretical Chemistry, M. I. T. 1898-1900; studied in Germany, 1900-02; Instructor in Chemistry and Physics, New Hampshire College, 1902-03; Instructor in Inorganic Chemistry, Massachusetts Institute of Technology, 1903-08; Assistant Professor since 1908.

Author: *Electrolytic Dissociation Theory* (with Professor Talbot); *Synthetic Inorganic Chemistry*.

Residence, 72 Crescent Avenue, Newton Centre.





HENRY FAY, A.B., Ph.D., *Professor of Analytical Chemistry*.—A.B., Lafayette College, 1889; Ph.D., Johns Hopkins University, 1895.

Instructor in Analytical Chemistry, Massachusetts Institute of Technology, 1895–1900; Assistant Professor, 1900–05; Associate Professor, 1905–07; Professor from 1907.

Author of papers on Metallography, Properties of Steel Rails, and Analytical Chemistry.

Residence, 11 Worthington Road, Brookline.



AUGUSTUS H. GILL, S.B., Ph.D., *Professor of Technical Analysis*.—S.B., M. I. T. 1884, V.; Ph.D., Leipzig, 1890.

Assistant in General and Sanitary Chemistry, Massachusetts Institute of Technology, 1884–86; Instructor, 1886–87; Instructor in Gas Analysis, 1890–94; Assistant Professor of Gas Analysis, 1894–1903; Assistant Professor of Technical Analysis, 1903–06; Associate Professor of Technical Analysis, 1906; Professor from 1909.

Author of Gas and Fuel Analysis for Engineers, A Short Handbook of Oil Analysis, Engine Room Chemistry, and numerous papers in scientific periodicals; editor of a Register of Publications of the Institute (1862–93).

Residence, 1334 Washington Street, Canton.



WILLIAM T. HALL, S.B., *Assistant Professor of Analytical Chemistry*.—S.B., M. I. T. 1895, V., Σ A E.

Assistant in Chemistry, Massachusetts Institute of Technology, 1898–1900; Instructor, 1900–11; Assistant Professor from 1911.

Author of several translations from the German.

Residence, 37 Pomfret Street, West Roxbury.



WARREN K. LEWIS, S.B., Ph.D., *Associate Professor of Chemical Engineering*.—S.B., M. I. T. 1905, X.; Ph.D., Breslau, 1908.

Assistant in Industrial Chemistry, Massachusetts Institute of Technology, 1905–06; Swett Fellow at Breslau, 1906–08; Research Associate in Applied Chemistry, 1908–09; Chemist, W. H. McElwain Company, 1909–10; Assistant Professor, October, 1910–12; Associate Professor from 1912.

Author of various scientific papers.

Residence, 85 Lombard Street, Newton.

F. JEWETT MOORE, B.A., Ph.D., *Professor of Organic Chemistry*.—B.A., Amherst, 1889, X Φ; Ph.D., Heidelberg, 1893.

Assistant in Chemistry, Amherst College, 1889–90; Instructor in General Chemistry, Cornell University, 1893–94; Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1894–95; Instructor, 1895–1902; Assistant Professor of Analytical Chemistry, 1902–04; Assistant Professor of Organic Chemistry, 1904–10; Associate Professor, 1910–12; Professor from 1912.

Author of Outlines of Organic Chemistry, Experiments in Organic Chemistry, and various papers in scientific journals.

Residence, 29 Commonwealth Avenue.



SAMUEL P. MULLIKEN, S.B., Ph.D., *Associate Professor of Organic Chemical Research*.—S.B., M. I. T. 1887, V.; Ph.D., Leipzig, 1890.

Assistant in Chemistry, University of Cincinnati, 1887–88; Associate in Chemistry, Bryn Mawr College, 1891–92; Instructor in charge of Department of Chemistry, Clark University, 1892–94; Instructor in Organic Chemistry, Massachusetts Institute of Technology, 1895–1905; Assistant Professor of Organic Chemistry, 1905–13; Associate Professor of Organic Chemical Research from 1913.

Residence, 6 Harris Street, Newburyport.



ARTHUR A. NOYES, S.B., S.M., Ph.D., Sc.D., LL.D., *Professor of Theoretical Chemistry; Director of the Research Laboratory of Physical Chemistry*.—S.B., M. I. T. 1886, V.; S.M., M. I. T. 1887; Ph.D., Leipzig, 1890; Sc.D., Harvard, 1909; Yale, 1913; LL.D., Maine, 1908; Clark, 1909.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1887–88; Instructor, 1890–94; Assistant Professor of Organic Chemistry, 1894–97; Associate Professor, 1897–99; Professor from 1899; Director of the Research Laboratory of Physical Chemistry from 1903; Acting President, 1907–09.

Residence, 97 Hemenway Street.



MILES S. SHERRILL, S.B., Ph.D., *Associate Professor of Theoretical Chemistry*.—S.B., M. I. T. 1899, V.; Ph.D., Breslau, 1903.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1899–1900; Austin Fellow, studying in Leipzig and Breslau, 1900–02; Instructor in Analytical and Theoretical Chemistry, 1903–07; Assistant Professor of Theoretical Chemistry, 1907; Associate Professor of Theoretical Chemistry from 1913.

Author of several papers on Chemistry published in various scientific journals.

Residence, 83 Longwood Avenue, Brookline.





ELLWOOD B. SPEAR, B.A., Ph.D., *Assistant Professor of Inorganic Chemistry*.—B.A., University of Manitoba, Gen. Science, 1899; Ph.D., Heidelberg, 1906; Student at University of Toronto, 1899–1902; Heidelberg and Leipzig, 1904–06.

Assistant in Research Laboratory of Physical Chemistry, Massachusetts Institute of Technology, 1906–07; Instructor in Qualitative Analysis, 1907–08; Instructor in Inorganic Chemistry, 1908–10; Assistant Professor from 1910.

Author of several papers on chemical subjects.

Residence, 27 Walker Street, Cambridge.



FRANK H. THORP, S.B., Ph.D., *Assistant Professor of Industrial Chemistry*.—S.B., M. I. T. 1889, V.; Ph.D., University of Heidelberg, 1893.

Assistant in Industrial Chemistry, Massachusetts Institute of Technology, 1889–91; Instructor, 1894–1900; Assistant Professor from 1900.

Author of *Ueber die Oxime der Substituierten Benzophenone* (1893), *Inorganic Chemical Preparations*, second edition (1906), *Outlines of Industrial Chemistry*, second edition (1907).

Residence, 200 Mt. Vernon Street, West Roxbury.



ROBERT S. WILLIAMS, S.B., Ph.D., *Assistant Professor of Analytical Chemistry*.—S.B., M. I. T. 1902, V.; Ph.D., University of Göttingen, 1907.

Assistant in Analytical Chemistry, Massachusetts Institute of Technology, 1902–05; Austin Fellow, studying at Göttingen, 1905–07; Instructor in Analytical Chemistry, 1907–11; Assistant Professor from 1911.

Author of two papers on Metallography.

Residence, 158 Magazine Street, Cambridge.



ALPHEUS G. WOODMAN, S.B., *Assistant Professor of Food Analysis*.—S.B., M. I. T. 1897, V.

Assistant in Sanitary Chemistry, Massachusetts Institute of Technology, 1897–1900; Instructor, 1900–09; Assistant Professor of Food Analysis from 1909.

Author of *Air, Water, and Food from a Sanitary Standpoint* (with Ellen H. Richards) and various papers on the analysis of food and water in scientific journals. Special Agent for the Federal Government in the enforcement of the Pure Food Law.

Residence, 367 School Street, Watertown.

EDWARD MUELLER, S.B., A.M., Ph.D., *Assistant Professor of Inorganic Chemistry*.—S.B., Purdue University, 1902, T B II; A.M., 1905, Ph.D., 1907, Harvard University; Heidelberg, 1908.

Assistant in Chemistry, Harvard University, 1905-07; Instructor, Washington University Medical School (St. Louis), 1907-10; Tufts College, 1910-11; Instructor in Chemistry, Massachusetts Institute of Technology, 1911-13; Assistant Professor, 1913.

Author of several scientific papers.

Residence, Burton Halls, Dana Street, Cambridge



COURSE VI

DEPARTMENT OF ELECTRICAL ENGINEERING

DUGALD C. JACKSON, S.B., C.E., *Professor of Electrical Engineering; in charge of the Department*.—Pennsylvania State College, 1885, $\Phi K \Sigma$, $\Sigma \Xi$, T B II.

Professor of Electrical Engineering and Head of Department, University of Wisconsin, 1891-1906; Professor of Electrical Engineering and Head of Department, Massachusetts Institute of Technology, from 1906; Fellow and Past President of American Institute of Electrical Engineers; Member and Past President of Society for the Promotion of Engineering Education; Member of A. S. C. E., A. S. M. E., Institute of Electrical Engineers (Great Britain), Société Internationale des Electriciens.

Residence, 51 Upland Road, Brookline.



RALPH R. LAWRENCE, S.B., *Associate Professor of Electrical Engineering*.—S.B., M. I. T. 1895, VI.

Assistant in Physics, Massachusetts Institute of Technology, 1896-98; Instructor in Physics, 1898-1901; Instructor in Electrical Engineering, 1901-04; Assistant Professor of Electrical Engineering, 1904-06; Associate Professor from 1906.

Residence, 34 Sumner Street, Dorchester.





FRANK A. LAWS, S.B., *Professor of Electrical Engineering.*—S.B., M. I. T. 1889, VI.

Assistant in Physics, Massachusetts Institute of Technology, 1889-91; Instructor in Physics, 1891-93; Instructor in Electrical Measurements, 1893-97; Assistant Professor of Electrical Measurements, 1897; Assistant Professor of Electrical Testing, 1902-06; Associate Professor of Electrical Testing, 1906-13; Professor of Electrical Engineering from 1913.

Author of a number of papers on Electrical Measurements.

Residence, 124½ Federal Street, Salem.



HAROLD PENDER, A.B., Ph.D., Mem. A. I. E. E., *Professor of Electrical Engineering; Director of the Research Division of Electrical Engineering Department.*—A.B., Johns Hopkins University, 1898; Ph.D., Johns Hopkins University, 1901, $\Theta \Xi$.

Instructor, McDonough School, 1901-02; Instructor, Syracuse University, 1902-03; Special Research at La Sorbonne, Paris, at invitation of the University authorities, on the magnetic effect of moving electrical charges, 1903; Electrical Engineer, Pittsburg, 1903-04; New York, 1904-09; Professor at the Massachusetts Institute of Technology, 1909; Director Research Division, Electrical Engineering Department, 1913.

Author of Principles of Electrical Engineering; editor-in-chief American Electrical Engineer's Handbook.

Residence, 4 Berkeley Place, Cambridge.



HARRISON W. SMITH, A.B., S.B., *Associate Professor of Electrical Engineering.*—A.B., Harvard, 1895, $\Delta \Upsilon$; S.B., M. I. T. 1897, II.

Assistant in Physics, Massachusetts Institute of Technology, 1898-1901; Instructor in Electrical Engineering, 1901-05; Assistant Professor of Electrical Engineering, 1905-07; Associate Professor from 1907.

Member of Massachusetts Institute of Technology Eclipse Expedition to Georgia in 1900 and to Sumatra in 1901.

Residence, 188 Woodland Road, Auburndale.



WILLIAM E. WICKENDEN, B.S., *Assistant Professor of Electrical Engineering.*—B.S., Denison University, 1904, ΣX , $\Phi B K$, $\Sigma \Xi$; Mem. Am. Inst. of Elect. Eng., Mem. Illuminating Eng. Soc., Mem. National Elect. Light Assoc.

Instructor in Applied Electricity, Rochester (N.Y.) Mechanics' Institute, 1904-05; Assistant in Physics, University of Wisconsin, 1905-06; Instructor in Electrical Engineering, *ibid.*, 1906-09; Assistant Professor of Electrical Engineering, Massachusetts Institute of Technology, 1909.

Residence, 23 Avalon Road, West Roxbury.

COURSE VII

DEPARTMENT OF BIOLOGY

WILLIAM T. SEDGWICK, Ph.D., Sc.D., *Professor of Biology and Public Health; in charge of the Department; Director of the Sanitary Research Laboratory and Sewage Experiment Station.*—Ph.B., Yale (Sheffield Scientific School), 1877; Berzelius Society; Ph.D., Johns Hopkins, 1881; Sc.D. (Hon.), Yale, 1909.

Instructor in Physiological Chemistry, Sheffield Scientific School, 1878-79; Fellow, Assistant, and Associate in Biology, Johns Hopkins University, Baltimore, 1879-83; Assistant Professor, Associate Professor, and Professor in Biology, Massachusetts Institute of Technology, since 1883; Biologist, State Board of Health of Massachusetts, 1888-96; Curator, Lowell Institute, Boston, since 1897; Past President, American Society of Naturalists, Society of American Bacteriologists, N. E. Water Works Association, Massachusetts Civil Service Reform Association, etc.; Member, Advisory Board, Hygienic Laboratory, U. S. Public Health and Marine Hospital Service, since 1902.

Residence, 20 Edgehill Road, Brookline.



ROBERT PAYNE BIGELOW, S.B., Ph.D., *Assistant Professor of Zoölogy and Parasitology; Librarian.*—S.B., Harvard, 1887; Ph.D., Johns Hopkins, 1892, B O II.

Fellow, 1890-91, and Adam T. Bruce Fellow, 1891-93, Johns Hopkins University, Baltimore; Director of the Johns Hopkins Zoölogical Expedition to Jamaica, 1893; Instructor in Biology, Massachusetts Institute of Technology, 1893-1912; Librarian from 1895; Secretary of the Society of Arts, 1895-98; Assistant Professor of Zoölogy and Parasitology from 1912.

Editor of the *Technology Quarterly*, 1895-1908; editor of the *American Naturalist*, 1897-98; author of a number of papers on zoölogical and anatomical subjects; contributor to the *Reference Handbook of the Medical Sciences*.

Residence, 11 Park Street, Brookline.



SELSKAR M. GUNN, S.B., *Assistant Professor of Sanitary Biology and Public Health.*—S.B., M. I. T. 1905, VII., N Z N.

Bacteriologist, Boston Bio-chemical Laboratory, 1905-06; Bacteriologist, State Board of Health, Iowa, and Lecturer on Hygiene, Medical School, Iowa State University, 1906-08; Health Officer, Orange, N.J., 1908-10; Instructor in Sanitary Biology, Massachusetts Institute of Technology, 1910-11; Assistant Professor from 1911; Sanitary Expert to Bureau of Economy and Efficiency, Milwaukee, 1911; Assistant Professor of Biology, Simmons College, from 1912; Lecturer in Hygiene, Tufts College Medical School, from 1911; Assistant Secretary-General, XV. International Congress on Hygiene and Demography, 1912; Managing Editor, *American Journal of Public Health*, from 1912.

Author of various papers on Public Health.

Residence, 16 Irving Street, Watertown.





SIMON C. KEITH, Jr., S.B., *Assistant Professor of Research in Bacteriology*.—S.B., M. I. T. 1893, VII.

Assistant in Biology, Massachusetts Institute of Technology, 1893-94; Instructor, 1895-1911; Assistant Professor from 1911.

Residence, 138 Lancaster Terrace, Brookline.



SAMUEL C. PRESCOTT, S.B., *Associate Professor of Industrial Microbiology*.—S.B., M. I. T. 1894, V.

Private Assistant to Professor Sedgwick, 1894-95; Assistant in Biology, Massachusetts Institute of Technology, 1895-96; Instructor in Biology, Massachusetts Institute of Technology, 1896-1903; Assistant Professor of Industrial Biology, 1903; Associate Professor, 1909-14; Professor, 1914; Vice-President, Society of American Bacteriologists, 1903-04; Director, Boston Bio-chemical Laboratory.

Chief author of *Science and Experiment in Canning*, *Elements of Water Bacteriology* (with C.-E. A. Winslow), and other works.

Residence, 79 Cypress Street, Brookline.



ROBERT SPURR WESTON, B.S., A.M., *Assistant Professor of Public Health Engineering, Consulting Sanitary Engineer*.—B.S., Amherst College, 1891; A.M., 1904, Δ K E.

Massachusetts Institute of Technology, 1894-95; University of Berlin, 1896; since 1899 in private practice; Assistant Professor of Public Health Engineering, Massachusetts Institute of Technology, 1913; Member of American Society C.E., Canadian Society C.E., American Chemical Society, Boston Society C.E., American Public Health Association, American Water Works Association, New England Water Works Association, Boston Bacteriological Club.

Articles in professional and technical journals, and reports for municipalities and corporations.

Residence, 185 Winthrop Road, Brookline.

COURSE VIII

DEPARTMENT OF PHYSICS

CHARLES R. CROSS, S.B., *Thayer Professor of Physics; in charge of the Department of Physics; Director of the Rogers Laboratory.*—M. I. T. 1870, Sci. and Lit.

Instructor in Physics, Massachusetts Institute of Technology, 1870-71; Assistant Professor of Physics, 1871-75; Professor of Physics from 1875; in charge of Department of Physics from 1877; in charge of Course in Electrical Engineering from its establishment in 1882 till 1902.

Author of various papers on Acoustics and Electricity.

Residence, 100 Upland Road, Brookline.



DANIEL F. COMSTOCK, S.B., Ph.D., *Assistant Professor of Theoretical Physics.*—S.B., M. I. T., 1904; Ph.D., Basel, 1906.

Assistant in Physics, Massachusetts Institute of Technology, 1904-05; Non-resident Instructor in Theoretical Physics, 1905-07; Instructor, 1907-10; Assistant Professor since 1910; Fellow of the American Academy of Arts and Sciences; the American Association for the Advancement of Science; the American Physical Society.

Author of *The Relation of Mass to Energy* and a number of other papers.

Residence, 1477 Beacon Street, Brookline.



LOUIS DERR, B.A., M.A., S.B., *Professor of Physics.*—B.A., Amherst, 1889, ΔT , $\Phi B K$; M.A., Amherst, 1892; S.B., M. I. T. 1892, VI.

Assistant in Physics, Massachusetts Institute of Technology, 1892-93; Instructor in Physics, 1893-1900; Assistant Professor, 1900-04; Associate Professor, 1904-09; Professor, 1909; in charge of instruction in Physics, Boston Normal School of Gymnastics, 1894-1908; Instructor in Physics, Boston University, 1895-1905.

Editor of *Cyclopedia of Engineering*; author of *Notes on Methods of Telegraphy*, *Notes on Dynamo Design*, *Photography for Students of Physics and Chemistry*, and a number of papers in various technical publications.





WILLIAM J. DRISKO, S.B., *Associate Professor of Physics*.—S.B., M. I. T. 1895, VIII.

Assistant in Physics, Massachusetts Institute of Technology, 1895-96; Instructor, 1896-99; Professor of Physics, Colby College, 1899-1900; Instructor in Physics, Massachusetts Institute of Technology, 1901-05; Assistant Professor, 1905-09; Associate Professor from 1909.

Residence, 28 Lloyd Street, Winchester.



HARRY M. GOODWIN, S.B., Ph.D., *Professor of Physics and Electro-Chemistry; in charge of the Department of Electro-Chemistry*.—S.B., M. I. T. 1890, VIII.; Ph.D., Leipzig, 1893.

Assistant in Physics, Massachusetts Institute of Technology, 1890-92; Instructor, 1892-97; student at Leipzig and Berlin, 1892-94; Assistant Professor, 1897-1903; Associate Professor, 1903-06; Professor, 1906; in charge of the Department of Electro-Chemistry, 1909.

Author of several books on Physical Measurements and numerous scientific papers.

Residence, 424 Walnut Street, Brookline.



CHARLES A. KRAUS, *Assistant Professor of Physical Chemical Research*.—B.S., University of Kansas, 1898; Ph.D., M. I. T. 1908.

Fellow at Johns Hopkins University, 1899; Research Fellow at the University of Kansas, 1900; Instructor in Physics, University of California, 1901-04; Research Assistant and Research Associate at Massachusetts Institute of Technology, 1904-12.

Author of various papers relating to physical, chemical, and technical subjects.

Residence, 18 Aberdeen Street, Newton Highlands.



CHARLES L. NORTON, S.B., *Professor of Heat Measurements*.—S.B., M. I. T. 1893, VI.

Assistant in Physics, Massachusetts Institute of Technology, 1893-95; Instructor in Physics, 1895-99; Instructor in Heat Measurements, 1899-1900; Assistant Professor, 1900-05; Associate Professor, 1905-09; Professor from 1909; in charge of the Insurance Engineering Experiment Station, 1902.

Papers on Heat Measurements and Fire Protection.

Residence, Hudson, N.H.

NEWELL C. PAGE, S.B., *Assistant Professor of Physics*.—S.B., M. I. T. 1902, VI.

Assistant in Physics, Massachusetts Institute of Technology, 1902-04; Instructor in Physics, 1904-12; Assistant Professor from 1912.

Author of *Physical Laboratory Notes on Electrical Measurements*.

Residence, Winchester, Mass.



M. DEKAY THOMPSON, Ph.D., *Associate Professor of Electro-Chemistry*.—M. I. T. 1898, VIII., Δ K E.

Assistant in Physics, Massachusetts Institute of Technology, 1898-1901; Non-resident Instructor in Electro-Chemistry, 1901-03; Resident Instructor, 1903-07; Assistant Professor of Electro-Chemistry, 1907-13; Associate Professor from 1913.

Author of a text-book on *Applied Electro-Chemistry* and a number of scientific papers.

Residence, 5 Fairmount Street, Brookline.



COURSE IX

DEPARTMENT OF GEOLOGY

COURSE XII

GENERAL SCIENCE

WALDEMAR LINDGREN, M.E., *William Barton Rogers Professor of Economic Geology; in charge of the Department*.—M.E., Freiberg (Saxony).

Assistant in Transcontinental Survey, 1883; Assayer, Gregory and Anaconda Smelters, Montana, 1884; Assistant Geologist, United States Geological Survey, 1884; Geologist, United States Geological Survey, 1895; Chief of Metalliferous Section, 1907; Chief Geologist, 1911; Associate Professor Leland Stanford University in 1898; Lecturer at Massachusetts Institute of Technology, 1908-11.

Residence, 1897 Beacon Street, Brookline.





THOMAS AUGUSTUS JAGGAR, JR., A.B., A.M., Ph.D., *Professor of Geology; Director of the Hawaiian Volcano Observatory.*—A.B., Harvard, 1893; A.M., 1894; Ph.D., 1897.

Assistant in Petrography, Harvard, 1894; Instructor in Geology, 1895; Assistant Professor, 1903; Professor of Geology, Massachusetts Institute of Technology, 1904; Assistant Geologist, U. S. G. S., 1893-1903.

Fellow of American Academy; Member of Boston Society of Natural History.

Residence, Volcano House, Hawaii.



HERVEY W. SHIMER, A.B., A.M., Ph.D., *Associate Professor of Paleontology.*—A.B., Lafayette, 1899; A.M., 1901; Ph.D., Columbia University, 1904, $\Sigma \Xi$.

Tutor in Modern Languages, Lafayette, 1899-1901; Assistant in Paleontology, Columbia, 1901-03; Instructor in Stratigraphic Geology, Massachusetts Institute of Technology, 1903-08; Assistant Professor of Paleontology, 1908-12; Associate Professor from 1912; Lecturer on Historic Geology and Physiography, Yale Summer School, 1906.

Residence, 2 Albemarle Chambers.



CHARLES H. WARREN, Ph.B., Ph.D., *Professor of Mineralogy.*—Ph.B., Yale, 1896; Ph.D., Yale, 1899, $\Sigma \Xi$.

Assistant in Chemistry, Sheffield Scientific School, 1896-97; Assistant in Mineralogy, 1897-99; Instructor in Mineralogy, 1899-1900; Instructor in Mineralogy, Massachusetts Institute of Technology, 1900-04; Assistant Professor, 1904-09; Associate Professor, 1909-12; Professor since 1912.

Author of various papers on crystallographic, chemico-mineralogical, and petrographic subjects.

Residence, 239 Woodland Road, Auburndale.

COURSE XIII

DEPARTMENT OF NAVAL ARCHITECTURE AND MARINE ENGINEERING

CECIL H. PEABODY, S.B., *Professor of Naval Architecture and Marine Engineering; in charge of the Department.*—S.B., M. I. T. 1877, II.

Professor of Mathematics and Engineering, Imperial Agricultural College, Japan, 1878–80; Assistant Professor of Mechanical Engineering, University of Illinois, 1881–83; Instructor, Massachusetts Institute of Technology, 1883–84; Assistant Professor of Steam Engineering, 1884–89; Associate Professor, 1889–93; Professor of Naval Architecture and Marine Engineering from 1893.

Author of *Thermodynamics of the Steam Engine*, *Tables of the Properties of Saturated Steam*, *Valve Gears for Steam Engines*, *Steam Boilers* (with E. F. Miller), *Manual of the Steam Engine Indicator*, *Naval Architecture*, *Thermodynamics of the Steam Turbine*, *Steam and Entropy Tables*, *Propellers*, *Computations for Marine Engines*.

Residence, 293 Commonwealth Avenue.



HAROLD A. EVERETT, S.B., *Assistant Professor of Naval Architecture.*—S.B., M. I. T. 1902, XIII.

With Fore River Ship and Engine Building Co., 1902–03; with N.Y. Ship Building Company, Scientific Department, 1903–04; Assistant in Naval Architecture, Massachusetts Institute of Technology, 1904–05; Instructor in Marine Engineering, 1905–11; with Wm. Denny & Bros., shipbuilders, Dumbarton, Scotland, 1905; Assistant Professor from 1911; Official Yacht Measurer for Eastern, Boston, Corinthian Yacht Clubs and others.

Author of several papers for the Society of Naval Architects and Marine Engineers and for various scientific periodicals.

Residence, Linden Street, Wellesley Hills.



WILLIAM HOVGGAARD, *Commander in Danish Navy, Professor of Naval Design and Construction.*—Naval Academy, Copenhagen, 1879, and Royal Naval College, Greenwich, 1886.

Lieutenant of Danish Navy, 1879–97; Commander from 1897; on the Technical Staff of the Copenhagen Navy Yard, 1886–89; Managing Director of the Shipyard of Burmeister & Wains Ship and Engine Company, Copenhagen, 1895–97; Member of the Institution of Naval Architects and of the American Society of Naval Architects and Marine Engineers; Member of the Board of Trustees of the American Scandinavian Foundation.

Residence, 73 Perkins Street, West Newton.



DEPARTMENT OF MATHEMATICS



HARRY W. TYLER, S.B., Ph.D., *Professor of Mathematics; in charge of the Department.*—S.B., M. I. T. 1884, V.; Ph.D., Erlangen, 1889.

Assistant in Mathematics, Massachusetts Institute of Technology, 1884-86; Instructor, 1886-90; Assistant Professor, 1890-92; Associate Professor, 1892-93; Secretary of the Faculty, 1889-90 and 1891-1906; Professor of Mathematics from 1893.

Residence, 39 Gray Cliff Road, Newton Centre.



FREDERICK H. BAILEY, A.B., A.M., *Professor of Mathematics.*—A.B., Harvard University, 1887, Φ B K; A.M., Harvard University, 1889.

Assistant in Mathematics, Harvard University, 1889-91; Instructor in Mathematics, Massachusetts Institute of Technology, 1891-93; Assistant Professor, 1893-1904; Associate Professor, 1904-07; Professor from 1907.

Author of *Plane and Solid Analytic Geometry* (with Professor Woods), 1897, *A Course in Mathematics* (with Professor Woods), 1907.

Residence, 12 Idlewild Street, Allston.



DANA P. BARTLETT, S.B., *Professor of Mathematics.*—S.B., M. I. T. 1886, VI.; University of Munich, 1903-04.

Assistant in Mathematics, Massachusetts Institute of Technology, 1886-87; Instructor in Mathematics, 1888-91; Assistant Professor of Mathematics, 1891-98; Associate Professor, 1898-1905; Professor from 1905; Acting Secretary of the Institute, 1906-08; Assistant in Observatory of Harvard College, 1887.

Author of *General Principles of Method of Least Squares*.

NATHAN RICHARD GEORGE, Jr., A.B., A.M., *Associate Professor of Mathematics*.—A.B., Harvard, 1890, $\Theta \Delta X, \Phi B K$; A.M., Harvard University, 1891.

Instructor in Mathematics, Massachusetts Institute of Technology, 1891-1906; Assistant Professor, 1906-13; Associate Professor from 1913.

Author of *Plane Trigonometry*.

Residence, 112 Newbury Street.



CLARENCE L. E. MOORE, B.Sc., A.M., Ph.D., *Assistant Professor of Mathematics*.—B.Sc., Ohio State University, 1901; A.M., Cornell, 1902; Ph.D., Cornell, 1904.

Assistant in Mathematics, Ohio State University, 1900-01; Scholar in Mathematics, Cornell, 1901-02; Fellow, 1902-03; Assistant, 1903-04; Instructor in Mathematics, Massachusetts Institute of Technology, 1904-09; Assistant Professor from 1909.

Residence, 7 Sutherland Road, Brookline.



GEORGE A. OSBORNE, S.B., *Walker Professor Emeritus of Mathematics*.—S.B., Harvard S. S., 1860.

Assistant Professor of Mathematics, United States Naval Academy, 1861-65; Professor of Mathematics, Massachusetts Institute of Technology from 1866; Secretary of Faculty, 1868-71; Walker Professor of Mathematics from 1902; Emeritus from 1911.

Author of *Examples in Differential Equations* (1886), *Differential and Integral Calculus* (1891, revised 1907), etc.

Residence, 249 Berkeley Street.



LEONARD M. PASSANO, A.B., *Associate Professor of Mathematics*.—A.B., Johns Hopkins University, 1889.

Assistant in Mathematics, Johns Hopkins University, 1889-92; Instructor in Mathematics, Massachusetts Institute of Technology, 1892-1907; Assistant Professor from 1907.

Author of *A History of Maryland*, *Stories from Maryland History*, etc.

Residence, 20 Bacon Street, Winchester.





EDWIN B. WILSON, A.B., Ph.D., *Professor of Mathematics*.—A.B., Harvard, 1899, $\Phi B K$; Ph.D., Yale University, 1901, $\Sigma \Xi$.

Instructor in Mathematics, Yale University, 1900-06; Assistant Professor of Mathematics, Yale University, 1906-07; Associate Professor of Mathematics, Massachusetts Institute of Technology, 1907-11; Professor from 1911; Student in Mathematics and Mathematical Physics at L'École Normale Supérieure, Collège de France, and La Sorbonne, 1902-03.

Author of (Gibbs's) Vector Analysis, Advanced Calculus, and numerous scientific papers.

Residence, 5 Park Vale, Brookline.



FREDERICK S. WOODS, A.B., A.M., Ph.D., *Professor of Mathematics*.—A.B., Wesleyan University, 1885, ΨT , $\Phi B K$; A.M., Wesleyan, 1888; Ph.D., Göttingen, 1894.

Assistant in Physics and Astronomy at Wesleyan, 1885-86; Teacher in Mathematics, Genesee Wesleyan Seminary, 1886-90; Instructor in Mathematics at the Massachusetts Institute of Technology, 1890-95; Assistant Professor, 1895-1903; Associate Professor, 1903-06; Professor from 1906; Lecturer, Harvard, 1898-99.

Author of Plane and Solid Analytic Geometry (with Professor Bailey), A Course in Mathematics (with Professor Bailey), Space of Constant Curvature, Forms of Non-Euclidean Space, Non-Euclidean Geometry, etc.

Residence, 123 Sumner Street, Newton Centre.

DEPARTMENT OF DRAWING AND DESCRIPTIVE GEOMETRY



ALFRED E. BURTON, S.B., D.Sc., Am. Soc. C. E., *Dean; Professor of Topographical Engineering; in charge of the Department of Drawing*.—Bowdoin, 1878, $\Delta K E$, $\Phi B K$.

In charge of Scientific Expedition to Umanak, Greenland, 1896; in charge of Eclipse Expedition to Washington, Georgia, 1900; in charge of Eclipse Expedition to Sumatra, 1901.

Instructor in Topographical Engineering, Massachusetts Institute of Technology, 1882-84; Assistant Professor, 1884-89; Associate Professor, 1889-96; Professor from 1896; Dean from 1902.

Author of several articles in Technology Quarterly and Review.

Residence, Webster Court, Newton Centre.

CHARLES L. ADAMS, *Professor of Drawing and Descriptive Geometry.*—Massachusetts Normal Art School, 1879.

Assistant in Descriptive Geometry, Massachusetts Institute of Technology; Instructor in Freehand Drawing at Massachusetts Institute of Technology from 1886; Assistant Professor of Mechanical Drawing at Massachusetts Institute of Technology, 1903-04; Associate Professor of Drawing and Descriptive Geometry, 1904-12; Professor of Drawing and Descriptive Geometry from 1912.

Author of books on Descriptive Geometry and Mechanical Drawing, and a System of Lettering, etc.

Residence, Boston Art Club.



HARRY C. BRADLEY, S.B., *Assistant Professor of Drawing and Descriptive Geometry.*—S.B., M. I. T. 1891.

In civil and mill engineering work, 1891-96; Instructor in Drawing and Descriptive Geometry, Massachusetts Institute of Technology, 1897-1908; Assistant Professor from 1908.

Residence, 23 Brookview Street, Dorchester Centre.



HENRY K. BURRISON, *Assistant Professor of Mechanical Drawing and Descriptive Geometry.*—S.B., M. I. T. 1875.

Draughtsman with Boston Park Department and Boston Manufacturers' Mutual Fire Insurance Company, 1875-78; Secretary of the Proposed Boston and Northwestern Railroad; Instructor in Mechanical Drawing with School of Mechanic Arts, Massachusetts Institute of Technology, 1878; Assistant in Mechanical Drawing, Massachusetts Institute of Technology, 1880; Instructor in Mechanical Drawing and Freehand Drawing, Massachusetts Institute of Technology, 1885; Instructor in Mechanical Drawing and Descriptive Geometry, Massachusetts Institute of Technology, 1890; Assistant Professor from 1912.

Residence, 26 Lincoln Park, West Newton.



ERVIN KENISON, S.B., *Associate Professor of Drawing and Descriptive Geometry.*—S.B., M. I. T. 1893.

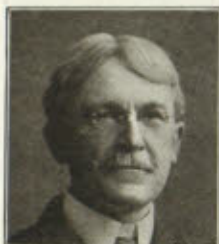
Assistant in Mechanical Drawing and Descriptive Geometry, Massachusetts Institute of Technology, 1893-95; Instructor, 1895-1908; Assistant Professor, 1908-13; Associate Professor from 1913.

Author of two works on Mechanical Drawing; Lecturer in the Co-operative Engineering School of the Y. M. C. A.

Residence, Melrose.



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DAVIS R. DEWEY, A.B., Ph.D., LL.D., *Professor of Economics and Statistics; in charge of Department.*—A.B., University of Vermont, 1879, $\Delta \Psi$, $\Phi \beta \kappa$; Ph.D., Johns Hopkins University, 1886; LL.D., University of Vermont, 1910.

Teacher, Underhill, Vt., 1879–81; Student and Fellow at Johns Hopkins University, 1883–86; Instructor, Massachusetts Institute of Technology, 1887–88; Assistant Professor, 1888–89; Associate Professor, 1889–92; Professor from 1892; Trustee, Massachusetts Agricultural College, 1909–; President, American Economic Association, 1909; Managing Editor, *American Economic Review*, 1911–.

Author of books on Economics and Statistics.

Residence, 2 Berkeley Street, Cambridge.



CARROLL W. DOTEN, Ph.B., A.M., *Assistant Professor of Economics.*—Ph.B., University of Vermont, 1895, $\Phi \Delta \Theta$; A.M., 1899; A.M., Harvard University, 1902, $\Phi \beta \kappa$.

Instructor, University of Vermont, 1895–1903; Secretary, University of Vermont, 1896–1903; Instructor, Massachusetts Institute of Technology, 1903–05; Assistant Professor from 1905; Secretary, American Statistical Association, from 1906.

Residence, 58 Garfield Street, North Cambridge.

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Editor of *Broadside*, 1878–79; Editor of *Boston Courier*, 1880–93; Correspondent of *Providence Journal*, *Chicago Tribune*, Book Buyer, etc., 1880–83; Professor of English, Massachusetts Institute of Technology, from 1893.

Author of *A Wheel of Fire*, *The Diary of a Saint*, *The Puritans*, *Talks on Writing English*, *Talks on the Study of Literature*, *Sonnets in Shadow*, *Told in the Gate*, *Under the Beech Tree*, etc.

Residence, 4 Otis Place.

HENRY G. PEARSON, A.B., *Associate Professor of English*.—A.B., Harvard, 1893, $\Theta \Xi$, $\Phi \beta \kappa$.

Instructor, Massachusetts Institute of Technology, 1893; Assistant Professor, 1898–1907; Associate Professor from 1907.

Author of the *Principles of Composition*.

Residence, Dudley Road, Newton Centre.



ARCHER T. ROBINSON, A.B., *Assistant Professor of English*.—A.B., Harvard University, 1896.

Instructor in English, Massachusetts Institute of Technology, 1896–1906; Assistant Professor from 1906.

Residence, Woodcliff Road, Newton Highlands.



HENRY L. SEAVER, A.B., *Assistant Professor of English*.—A.B., Harvard University, 1900, $\Phi \beta \kappa$.

Instructor in English, Massachusetts Institute of Technology, 1901–07; Assistant Professor of English from 1907.

Member of Organization Committee of Cosmopolitan Club of Technology, Walker Club.

Residence, 83 Van Winkle Street, Ashmont.



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Instructor in Modern Languages, Massachusetts Institute of Technology, 1888–92; Assistant Professor of Modern Languages, 1892–1900; Associate Professor, 1900–04; Professor from 1904; Member of Boston School Committee, 1901–04; Instructor in German, Simmons College, 1902.

Editor and annotator of various modern language text-books and other publications.

Residence, 95 Robinwood Avenue, Jamaica Plain.





HERMAN R. KURRELMAYER, A.B., Ph.D., *Assistant Professor of Modern Languages*.—A.B., Johns Hopkins, 1899; Hopkins Scholarship, 1899; Departmental Scholarship (German), 1900; Fellowship, 1901; Ph.D., 1902.

Instructor, Massachusetts Institute of Technology, 1902-12; Assistant Professor from 1912.

Residence, 206 Beech Street, Roslindale.



ERNEST F. LANGLEY, B.A., A.M., Ph.D., *Professor of French*.—B.A., Toronto University, 1894; A.M., Harvard, 1900; Ph.D., Harvard, 1909; studied at Leipzig and Heidelberg Universities, 1895-96; Paris, 1898 and 1906; Istituto di Studi Superiori, Florence, 1905-06.

Instructor of French, Dartmouth College, 1896-1900; Instructor of French and Italian, Dartmouth, 1900-02; Assistant Professor of Romance Languages, Dartmouth, 1902-10; Professor of French, Massachusetts Institute of Technology, since 1910.

Residence, 11 Whittier Street, Cambridge.

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Instructor in History and Political Science, Massachusetts Institute of Technology, 1891-93; Assistant Professor of History, 1893-95; Associate Professor, 1895-1901; Professor of History from 1901.

Residence, 1 Webster Street, Winchester.

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Instructor, Massachusetts Institute of Technology, 1894; Assistant Professor from 1897; Associate Professor, 1903-07; Professor from 1907.

Residence, 225 Marlborough Street.



EDWIN T. COLE, Major, United States Army, Retired, *Professor of Military Science and Tactics*.—Detailed August, 1911; Graduate United States Military Academy, 1889; 2d Lieutenant 8th Infantry, 1889; 1st Lieutenant 6th Infantry, 1896; Captain 11th Infantry, 1899; transferred to 6th Infantry, 1900; and to 18th Infantry, 1909.

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Major 45th U. S. Volunteer Infantry, August, 1899, and honorably mustered out June, 1901.

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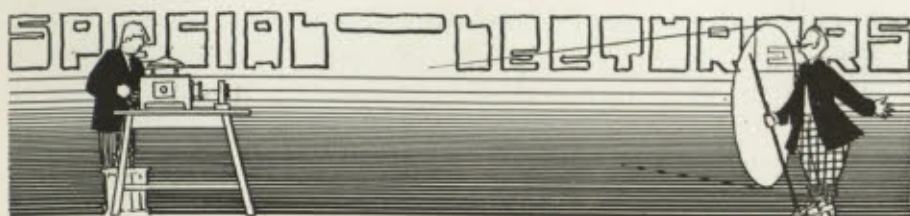
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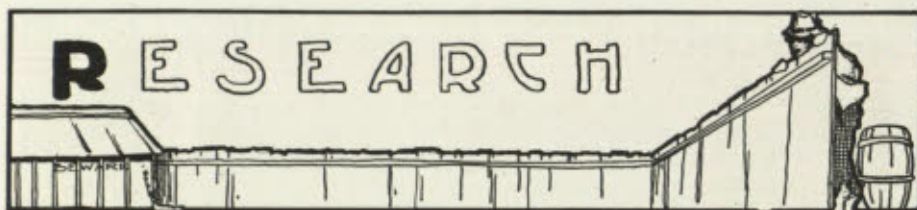
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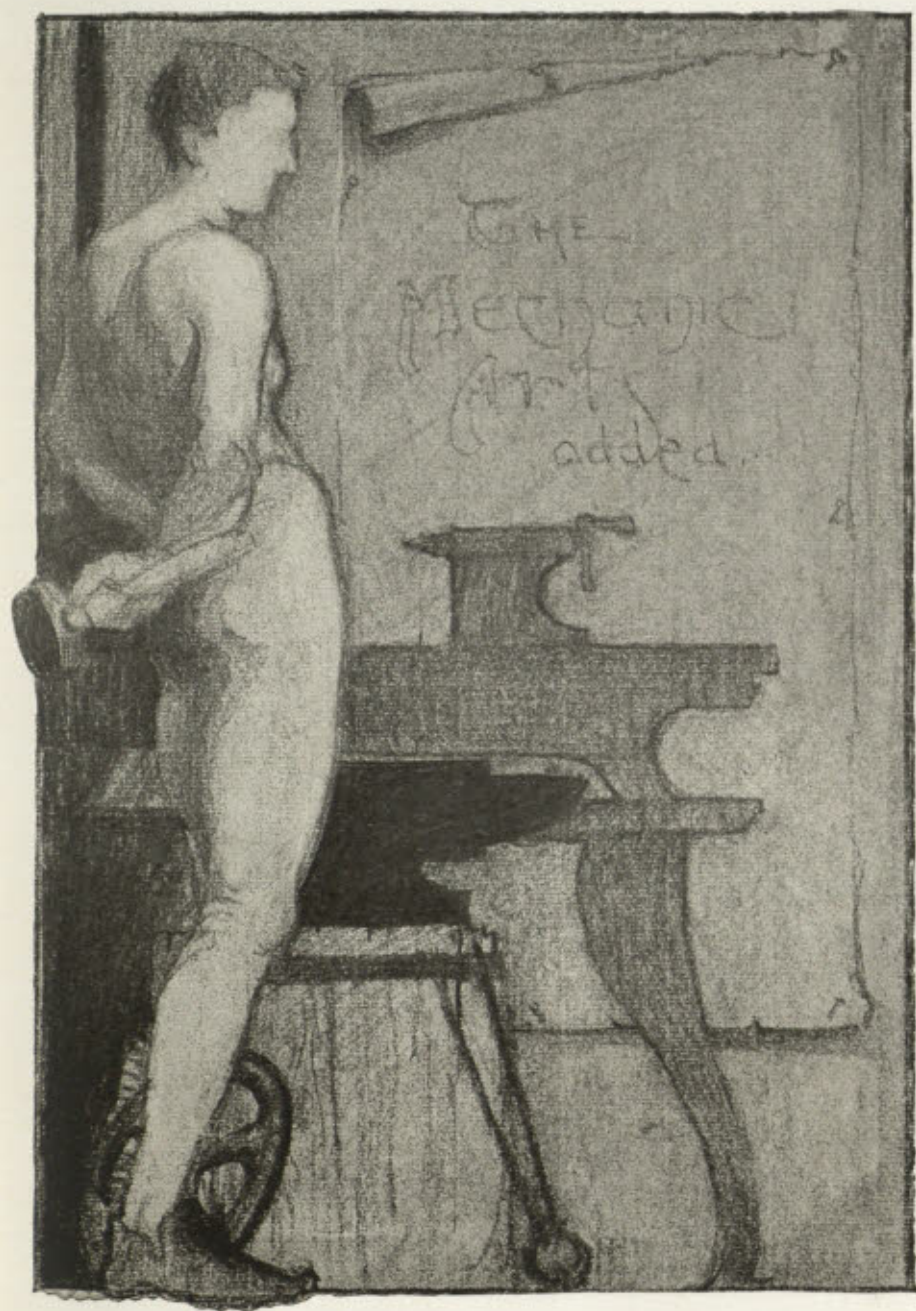


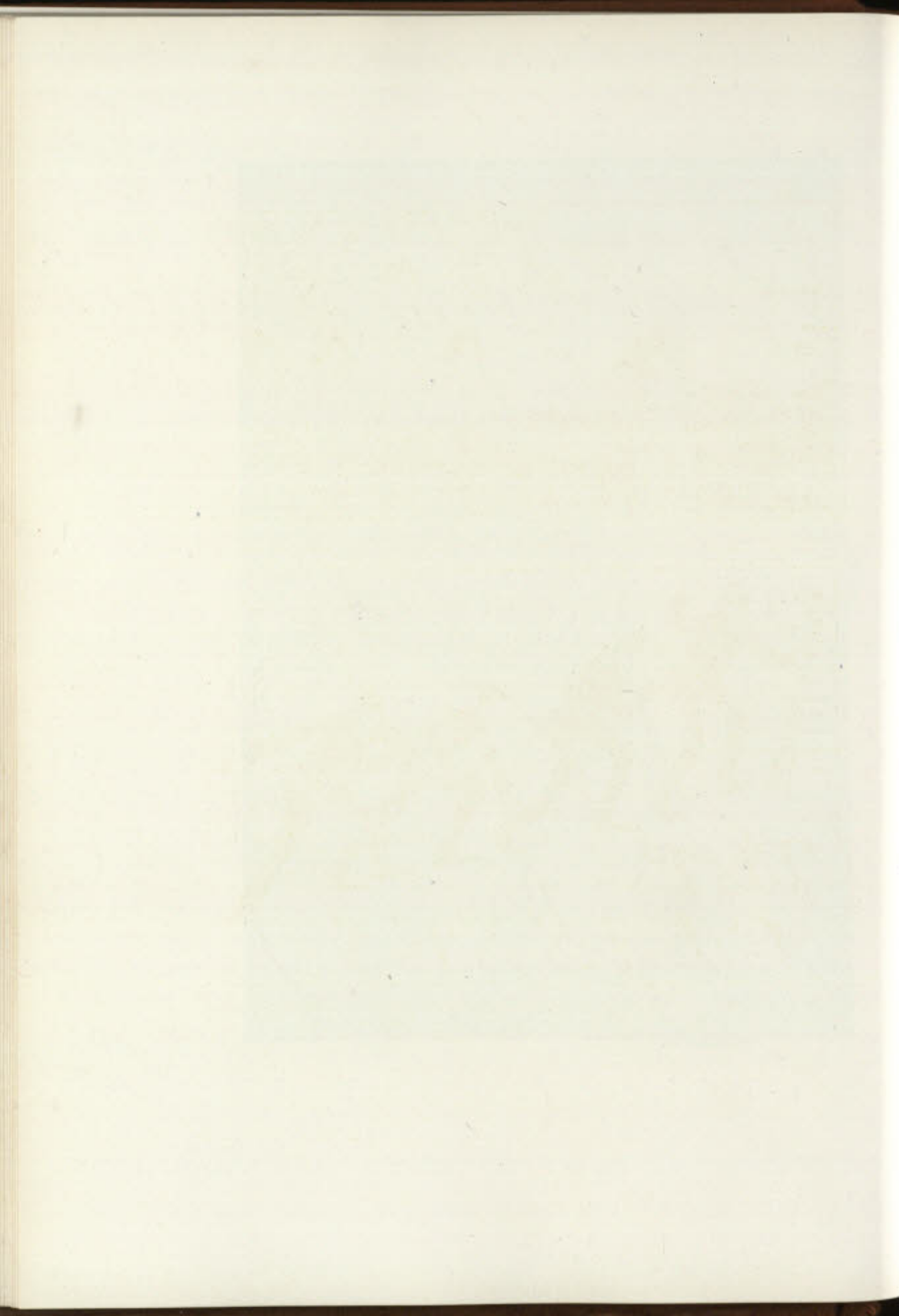
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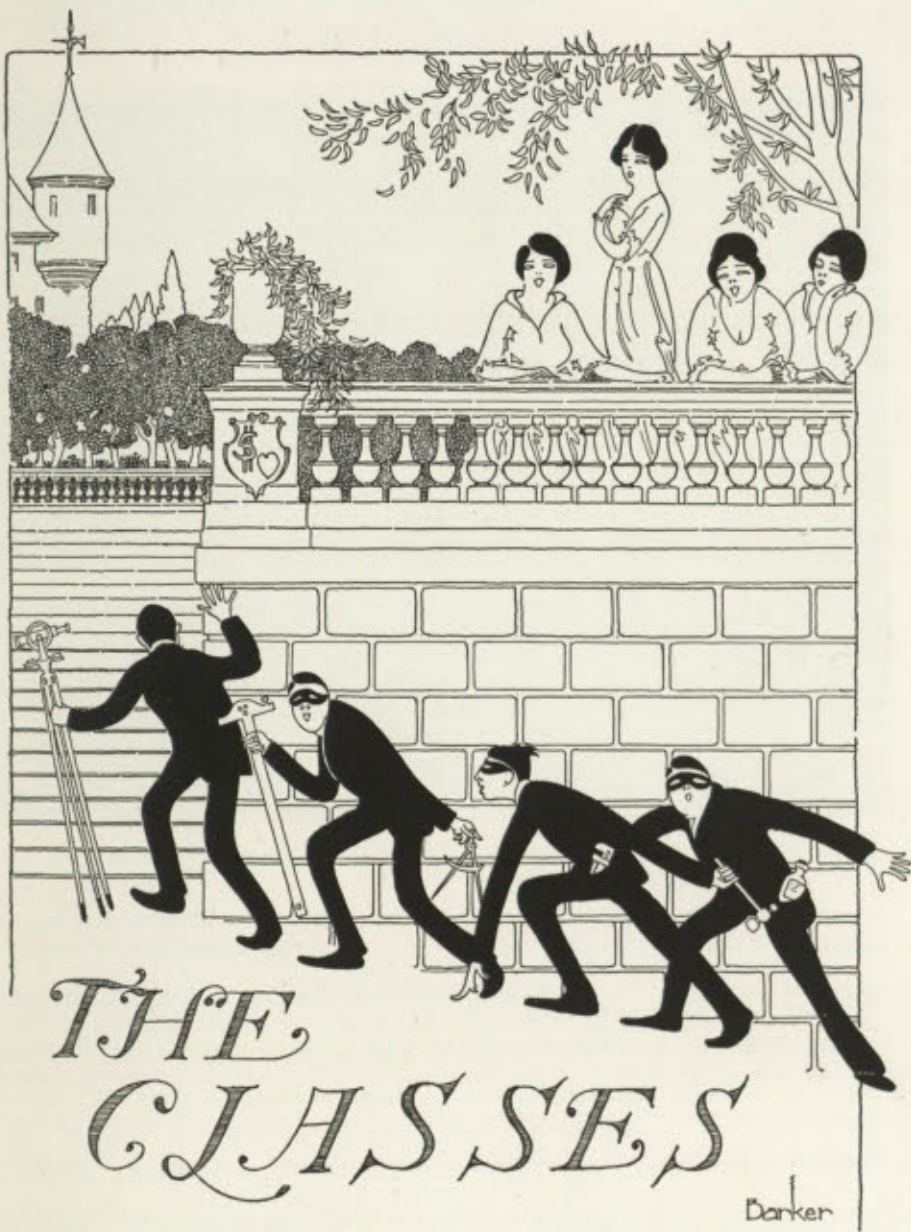


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IN 1870 John D. Runkle succeeded Mr. Rogers, and it was he who first introduced mechanic arts in the curriculum at the Institute. It was at the close of Mr. Runkle's term as president that Mr. Rogers again assumed the rôle of pilot, that he might safely guide the Institute through perilous straits.







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Baxter, Stanley Munroe,	III	William,	I	Herlihy, Francis Joseph,	II
Beidelman, Aubrey Donnithorne,	XIII	DeBeech, Alfred Victor,	VI	Higby, Miss Janet Baker,	V
Belcher, Donald,	X	deFremery, Donald,	II	Highley, Seward,	I
Bent, Harold Townsend,	XIII	Detrich, Earl Emerson,	I	Hilbert, Otto William,	II
Benton, Herbert George,	I	Dickinson, Roscoe Gilkey,	X	Hill, Moses Ebenezer,	VI
Berenson, Isadore,	XIV	Dietch, Samuel Paul,	X	Hilton, Gabe Bouck,	III
Berg, Henning Julius,	II	Doane, Norman David,	V	Hinckley, Royal Riford,	XI
Berger, Henry Ehlen,	VII	Dodd, Marvin James,	II	Holmes, John Colburn,	II
Berkowitz, Samuel,	II	Dodd, Sidney Reginald,	V	Holmes, Stephen Roy,	VI
Best, Leonard Ernest,	X	Dowst, Henry, Jr.,	I	Holway, William Rea,	XI
Bibolini, Alejandro,	I	Dunn, Carl Theodore,	II	Homan, John,	XIII
Bidwell, Charles Allanson, Jr.,	VI	Dunning, Dean Charles,	I	Hooper, Donald Oren,	II
Bigelow, Lucius Aurelius, Jr.,	V	Durkee, Chauncey Hilton,	II	Houser, William Arnold,	II
Blackmore, Charles Thomas,	VI	Easter, George Jones,	XIV	Howkins, John Smallbrook,	X
Blodgett, Charles Albert,	X	Eaton, George Oscar,	VI	Howlett, Clarence Weare,	X
Blount, George Chisholm,	I	Eddy, Carlton Winne,	II	Hsi, Te Chun,	III
Bond, Arthur Hazard,	I	Edgerton, Harold Charles,	II	Huff, Thomas Henry,	II
Boydton, Francis Henry,	VI	Ellicott, Valcoulon LeMoyné,	VII	Hughes, David Mulvane,	VI
Boynton, Kenneth Kenaston,	VI	Enebuske, Bror Viking,	I	Hull, Frank Jay,	VII
Brackett, William Henry,	VI	Engstrom, Karl Emil,	II	Hurlbutt, Frederick Lewis,	X
Bradley, Wayne Deegan,	V	Fessenden, Thomas Amory De-	VI	Hurvitz, Benjamin,	X
Brandt, Maurice Frankland,	V	blois,	VI	Hyneman, John,	I
Brigham, Everett Rounds,	IV	Field, Miss Arline,	V	Jacobs, Clifton Newman,	X
Brown, Earle William,	VI	Finkelstein, Joseph Lewis,	VIII	James, Hubert Stafford,	IV
Brown, Horatio Whittemore,	IV	Flannagan, Coke,	VI	Jameson, Gordon Rogers,	II
Brown, Theodore Gates,	X	Fleming, William Harold,	II	Jasionowski, Vitold Adam,	II
Bullard, Beirne Saunders, U.S.N.,	XIIIa	Fletcher, Ralph Leslie,	II	Jennings, William,	I
Burtner, Evers,	XIII	Fogerty, Joseph Samuel,	VI	Johnson, Benjamin Lewis,	IV
Byrnes, Benjamin Harrison,	IV	Fonseca, Edward Lawrence,	VI	Johnson, Kenneth Sherman,	II
Cady, Rush Boyd,	II	Foot, Francis Chandler,	XI	Johnston, Terence Roy,	IV
Caffrey, Augustine Joseph,	XI	Foster, Kendall Peabody,	IV	Jones, Fiske Reed,	II
Calder, Charles Howard,	VI	Foster, Newell Lathrop,	X	Joslyn, Ralph Palmer,	X
Calderara, Charles Anthony,	XI	Fowle, Donald Adams,	IV	Kahn, Kenneth Despres,	X
Camp, Orton Platt,	II	Fox, Samuel Mickle, Jr.,	I	Kao, Takang,	II
Campbell, William Lyman,	I	Franks, James Brown, Jr.,	II	Kaufman, Manahan Bremner,	X
Carson, James Brittain,	II	Frazine, Hamilton Schaeffer,	II	Kelleher, John Augustine,	V
Casselman, Elbridge Johnson,	X	Freed, Samuel,	V	Keller, Parry,	II
Chang, Tsun,	V	Freeman, Osborne Ricker,	IV	Kelly, John George, Jr.,	I
Chellman, Lloyd Hamilton,	I	Friebus, Reginald Theodore,	I	Kennedy, Verne Cornelius,	VI
Chu, Chi Che,	XIIIb	Fry, Charles Wilbur,	IV	Kimball, Norris Eaton,	II
Chu, Tsu Shang,	XIII	Gallagher, John Sears,	I	King, Howard Langdon,	I
Clark, Leland Vining,	VI	Gardner, Charles Slocum,	I	King, Kenneth Theodore,	X
Clark, Sidney E.,	II	Gardner, Chester Russell,	II	Kingsbury, Edward Joslyn,	II
Clarke, Alfred Henry,	I	Gardner, Henry Lawrence,	XIII	Klink, Nassime Solomon,	I
Cleverly, Frank Capon,	XIII	Geer, Laurence Patten,	VII	Knowles, Herbert Isaac,	V
Codwise, Philip Witgenstein,	X	Gillespie, Alexander Garfield,	VI	Kramer, Charles George,	X
Cohen, Jacob,	I	U.S.A.,	VI	Kuttner, Julius,	II
Coldwell, Everett Sharples,	VI	Ginsburg, Jacob,	II	Lacy, Clive Woodbury,	VI
		Goodell, Edwin Burpee, Jr.,	IV	Lam, Von-fong,	XIIIc
		Greenleaf, Allen Raymond,	XIV	Lamson, Horatio Wellington,	XIII

MEMBERS OF THE CLASS OF 1915

Landers, Bernard,	X	Parker, Arthur Wentworth,	V	Stone, Nelson,	I
Lapp, Benjamin,	X	Parsons, Theodore Dillaway,	II	Stringfield, Raymond Beverly,	X
Law, Harry Heap,	IV	Patch, Ernest Llewellyn,	U.S.N., XIIIa	Stubbs, Arthur Rollin,	XI
Leeb, Henry Lorent,	VI	Peakes, Gilbert Lawrence,	XIV	Stump, Dwight Johnson,	II
Lewis, Harry Irving,	II	Perin, Donald Wise,	VI	Swift, Herbert Dyer,	II
Lewis, Ira Sibley,	I	Pettibone, Milton Wallace,	IV	Tai, Shiu Tao,	II
Li, Sing Dji,	II	Phelan, Joseph Francis,	VII	Tallman, William,	IV
Linnell, Robert Meredith,	XIV	Pickering, Harold Bailey,	I	Taylor, Paul Huse,	IV
Little, John Shirley,	X	Pike, Waldo Francis,	I	Teeson, Ercell Arthur,	II
Livermore, Joseph Mason,	I	Pinkham, Millard Bartlett,	I	Thomas, Howard Cushing,	I
Long, Alexander Gotwald, Jr.,	I	Piza, St. Elmo Tower,	IV	Thomas, Wallace Senteny,	II
Loveland, Ernest Merrill,	X	Pizzorno, Pedro Paulo,	VI	Thomson, Malcolm,	II
Lobell, Carleton Woodward,	I	Place, Everett Eugene,	VI	Tiffany, Ralph Vosburg,	XI
Lowe, Russell Edmund,	V	Plummer, Miss Mary Elsa,	V	Tilt, Miss Jennie,	V
Lowenburg, Maxwell,	VI	Pollard, Reginald Flint,	X	Tisdale, Ellis Spence,	XI
Lucey, Henry Jerome,	X	Pond, Thomas Clifford,	X	Toabe, Kebe,	V
Lunt, Joseph Richard,	V	Potter, Jesse,	I	Tobey, James Alner,	XI
Lynott, George Herring,	VI	Pratt, Edwin Dana,	I	Tolman, Samuel Leland,	XI
McCurdy, Ainsley Carlyle,	VI	Pratt, Merrill Edward,	II	Trufant, Russell Alden,	I
McDaniel, Irving Barry,	IV	Prentiss, John Herbert,	VI	Tseng, Chou Chuan,	VI
McDonald, Kenneth Madison,	VI	Prescott, Lewis William,	II	Turrell, Herbert Newton, Jr.,	VI
McDowell, John Spotts,	III	Proctor, Edward Edson,	X	Upton, Frederick Pattangall,	VIII
McEwen, William Robert,	II	Purinton, Forrest Granville,	II	Urquhart, George,	X
McIntyre, James Dennett,	I	Putnam, Charles Parsons,	II	Vignal, Paul Gautier,	II
Mack, Axel Washington,	X	Quirk, Lewis Francis,	I	Vogel, Fred John,	VI
Mackenzie, Clyde Cameron,	X	Ramsay, DeWitt Converse,	XIII	von Rosenberg, Herbert John,	IV
McMurtrie, Douglas Howard,	X	Ramsdell, Guy Harry,	V	Waitt, Alden Harry,	V
MacNeill, Prescott Whitney,	VII	Reynolds, Ralph Waldo,	VI	Walcott, Raymond Hamilton,	X
Maconi, Gaetano,	I	Rhodes, Roy Wrigley,	VI	Walker, Edward Cyrus,	XIV
Malcolm, Ralph Reed,	I	Rivers, Walter Ben,	IV	Walsh, Gerard Roland,	I
Malone, Charles Booth, Jr.,	VI	Robinson, Lloyd Steele,	IV	Walter, Albert Ulman,	II
Mann, Ernest Wilkins,	VI	Rockett, Francis Haynes,	VI	Wang, Chou,	XIII
Mar, Teh Che,	XIIIa	Rogers, David Pearson,	II	Ward, Charles Johnson,	I
Marion, Henry Leonard,	VI	Rogers, Homer,	V	Wardle, Andrew Nelson,	XI
Masferrer, Joaquin Ramirez,	II	Rooney, George Thomas,	I	Wardwell, Virgil Emery,	I
Mason, Lovell Waldo,	V	Rooney, William Joseph,	VI	Wareham, Charles Montgomery,	XI
Masucci, Peter,	VII	Root, Marshall Jewell,	II	Warfield, George Harold,	I
Maxwell, Herbert Oulton,	III	Rosenthal, Charles Henry,	X	Warren, Harold,	II
Medhurst, Norman Leslie,	IV	Roy, Kenneth Warren,	II	Warren, Robert Atherton,	VI
Merrill, Edwin Ellison,	IV	Rumels, Chester Morrill,	IV	Waterhouse, Hiram Yeaton,	V
Metz, Charles Walter,	II	Ryon, Tracy Rudolph,	VI	Waterman, Ralph Douglas,	IV
Miller, Eralbert Talmadge,	I	Sabin, Henry Palmer,	IV	Waters, Frederic Elmer,	II
Miller, Leo B.,	VI	Sampson, Albert Edward,	V	Watson, Will Paul,	I
Miller, Lorin George,	VI	Sampson, Howard Collamore,	I	Weaver, Eastman Atkins,	VI-XIV
Mitchell, Robert Watkeys,	V	Sanchez, Federico Guillermo,	II	Weaver, Ernest Jesse,	II
Monahan, Walter Howard,	VI	Sandbury, Carl Arthur,	VI	Weaver, Raymond Russell,	VI
Moness, Eugene,	XIV	Santos, John Richards Long,	II	Webster, Walter Wynne,	U.S.N., XIIIa
Moody, Percy Winslow,	VI	Sawyer, Howard Martin,	V	Weis, Paul,	II
Moore, Daniel Martin,	I	Schaurte, Werner Theodore,	II	Welles, Robert,	VI
Morrison, Archibald Stone,	II	Schiess, Ulrich Christopher,	IV	Werlich, McConney,	X
Morse, Charles Lester,	I	Schmucker, Robert Antoine,	III	Wheeler, Alden Dodge, Jr.,	II
Morse, Herman Edward,	II	Schneider, Solomon,	V	Whitall, Charles Whitmore,	VI
Morton, Arthur Hokan,	IV	Schoeppe, Edward,	IV	Whitcomb, Herbert Hartwell,	II
Mott, Frank Earl,	Special	Schwartz, Benjamin,	X	White, Donald Heald,	X
Mudge, Arthur Warren, Jr.,	V	Scully, Francis Paul,	I	White, Gordon Winthrop,	II
Munn, Percival Judson,	I	Segal, Leo,	VI	White, Nathaniel Pendleton,	I
Munyan, Arthur Tapley,	X	Senter, Erasmus Gilbert, Jr.,	I	Whiting, Edmund Alden,	II
Murphy, Francis Edwin,	VI	Sheils, Henry Connor,	I	Whitman, Warren Clifford,	VII
Murphy, Harry Joseph,	I	Sherman, Robert Parker,	XIII	Whitwell, George Edward,	XIV
Naumburg, Robert Elkan,	II	Sifton, Clifford Edward,	VI	Williams, Allison Ridley,	I
Neal, James Benson,	X	Scolfield, George Lincoln, Jr.,	I	Williams, Charles Wyatt,	I
Neilson, Halbert Hall,	VI	Small, Philip Lindsay,	IV	Willis, Sanford Lawton,	III
Nelson, Arthur Lindsay,	VI	Smith, Clarence Lester,	VI	Wilson, Gardiner Cushing,	XIV
Neumann, Elmer Herman,	IV	Smith, William Henry,	I	Witherspoon, Andrew Carothers,	I
Niemann, Henry,	I	Spaulding, Sumner Maurice,	IV	Wolfe, Christian Frederick,	I
Nixon, George Frederic,	IV	Spear, Theodore Franklin,	X	Wolff, Philip,	IV
Norberg, Elwin Paul,	IV	Spencer, William Benjamin,	IV	Woolley, George Thompson, Jr.,	II
North, Dexter,	X	Sprague, William Griffith,	IV	Worthington, Harold,	VI
Norton, Charles Granderson,	II	Stearns, Edmund Rand,	I	Wostrel, John Frank,	VI
Norton, Oliver Gove,	II	Stelle, Edward Hopkinson,	I	Young, Louis Henry,	II
Noyes, Charles William,	VI	Stetson, Frederick Walter,	X	Yuen, Tsin,	XIII
Nye, Alfred Francis,	IV	Stewart, Vernon Theodore,	X	Zepfler, Louis Harrington,	V
O'Donnell, Ottomar,	III	Stimets, Bruce Negus,	II		
Paine, Charles Graham,	II	Stivers, Andrew Jackson,	VI		
Palmer, Guernsey Aaron,	II				



Track

WALTER MURRAY AFRICA
DOUGLAS BROOKS BAKER
THOMAS JAMES BARRY
HAROLD REUBEN BASSETT
LEONARD ERNEST BEST
EUGENE FREDERICK CONWAY
FRED LYSLE COOK
HAROLD RYDER CROWELL
ARNOLD BLAKE CURTIS
BROR VIKING ENEBUSKE
NEWELL LATHROP FOSTER
REGINALD THEODORE FRIEBUS
STUART WILLIS GURNEY
MOSES EBENEZER HILL
JOHN HOMAN

KENNETH THEODORE KING
EDWARD JOSLIN KINGSBURY
BENJAMIN LAPP
GEORGE COY LAWRENCE
CARLTON WOODWARD LOVELL
EDWIN THAYER MACBRIDE
ALFRED FRANCIS NYE
EVERETT EUGENE PLACE
REGINALD FLINT POLLARD
HARRY BENNETT SMITH
WILLIAM BENJAMIN SPENCER
ERCELL ARTHUR TEESON
WALLACE SENTENY THOMAS
GEORGE URQUHART
FRANCIS JAMES WALL

Football

KENNETH KENASTON BOYNTON
HAROLD RYDER CROWELL
JOHN NOLAN DALTON
RALPH LESLIE FLETCHER
FRANCIS FISHER FULTON
HAROLD ELLIOTT HADLEY
GREVILLE GEORGE HASLAM
ARTHUR CLARK HAWGOOD
SIGURD TRYGVE HELSETH
JOHN SMALLBROOK HOWKINS
CLARENCE WEARE HOWLETT
JOHN AUGUSTINE KELLEHER

ROBERT LEE
JOHN NEWMAN McDEVITT
CHARLES WALTER METZ
MORENZO VERNON MORE
ARCHIE STONE MORRISON
CHARLES LESTER MORSE
FRANK EDWIN MURPHY
JOHN HENRY O'BRIEN
EDWARD EDSON PROCTOR
LOUIS FRANCIS QUIRK
FRANCIS PAUL SCULLY
VIRGIL EMERY WARDWELL

EDMUND ALDEN WHITING

Baseball

JOHN THOMAS BAUER, Jr.
AUGUSTINE JOSEPH CAFFREY
JAMES BROWN FRANKS, Jr.
ORIE LYNN HALL
WILLIAM REA HOLWAY
JAMES DENNETT McINTYRE
CHARLES LESTER MORSE

FRANK ENOS PARSONS
WALDO FRANCIS PIKE
EVERETT EUGENE PLACE
LESLIE RAY SEARS
WILLIAM BENJAMIN SPENCER
WILLIAM STEPHENSON, Jr.
HOWARD CUSHING THOMAS





Wearers of $\Delta T \Delta$

LEONARD ERNEST BEST

ARNOLD BLAKE CURTIS

EUGENE FREDERICK CONWAY

REGINALD THEODORE FRIEBUS

FRED LYSLE COOK

ERCELL ARTHUR TEESON

WALLACE SENTENY THOMAS

Wearers of cTc

LEONARD ERNEST BEST

MOSES EBENEZER HILL

FRED LYSLE COOK

FRANCIS JAMES WALL

Wearers of hTt

RALPH LESLIE FLETCHER

HOWARD MARTIN SAWYER

Wearers of wTt

ALBERT ULMAN WALTER

Wearers of T

FRED LYSLE COOK

ARNOLD BLAKE CURTIS

ALFRED FRANCIS NYE



Statistics

Whom in 1915 do you consider

THE HANDSOMEST?

The golden apple is equally divided between "Tad" Fessenden and H(andsome) P(retty) S(abin). One vote still keeps "Percy" Werlich in the running.

THE MOST VERSATILE?

"Dave" Hughes says: "Don't use such big words." The voting shows that "Bud" Thomas is the most accomplished member of our class.

THE BEST ATHLETE?

There was a close contest for the laurel wreath between the "athletes" of the class. A. B. Curtis wins first mention with "Les" Morse a close second. L. E. Best qualifies as far as name goes.

THE WORST ATHLETE?

It has been rumored that over in the "old country" Stern was some hockey player, but here—well, you know all about it. He gets the highly prized office of saddest athlete. "Venus" Bigelow is also among the candidates.

THE BEST DISPOSITIONED?

"Ted" Spear has the largest family of "Joys" in the class. "Andy" Anderson comes in second with a little smaller following.

THE MOST LADYLIKE?

Why, of course—Mary Plummer.



LITTLE GLIMPSES
OF
GREAT MEN



GABY



DUTCH



MAC



BRUTE



BUD



TOM



EASTLEY



SNAKE

Whom in 1915 do you consider

THE MOST POPULAR?

Our junior president—Frank Scully.

THE GROUCHIEST?

A. Stone Morrison presents the most petrified face. G. G(rouche) Haslam comes in for second money.

THE BIGGEST GRIND?

When it comes to grinds there is no competition—McDaniel wins. As far as size goes, Rennie might be considered.

THE BEST DRAFTSMAN?

What d'ye mean—this is not a bartenders' union.

THE GREATEST SMOKER?

"And the last shall be first" is true in some cases, but here the small shall be great. "Phil" Small is the most continuous smoulderer, with H(igh) C(himney) Thomas clouding the atmosphere in second place.

THE CLASS GOAT?

The next time we let down the bars it will probably be to let in our class beaver. As yet we have only our goat, which is still pretty small, but it may grow. "Jumbo" Anderson is selected as the man most easily imposed upon.

THE BEST SPEAKER?

"Tris" Speaker seems to be quite popular with some members of the class, but he does not win. "Pop" Wood holds the attention of the largest part of the class with "Mac" Werlich, Frank Scully, George Rooney receiving honorable mention.



MARY ELSA
HER PAGE



PHIL



NEMO



SHE, HERSELF



HAZEL



MAC



GENE & HANK



CURLEY



BOGGIE

•□=□□=□•

Whom in 1915 do you consider

THE GREATEST EATER?

From all appearances—Rennie, but 'tis rumored that "Johnnie" Howkins has gotten away with a dollar's worth at the Union. "Joe" Livefermore received a large vote in this event.

THE LAZIEST?

"Mustache Charlie" Fry, showing the most disinclination to action and adversity to labor, qualifies for first place. "Jimmie" Franks is next in inactivity with "Lary" Quirk third.

THE GREATEST "BULLER"?

Frederick Augustus William Davis is in a class by himself. He wins in straight falls.

THE MOST NOTORIOUS?

The loudest noise was made by G(ym) T(eacher) Rooney. "Lucius" and Rennie can also be heard.

THE MOST LIKELY TO SUCCEED?

"G" Urquhart is the man for this position. Several express their confidence in "Ted" Spear and "Bud" Thomas.

Who in 1915 considers himself most popular?

Percival McCeney Werlich is in a class by himself.

What was your object in coming to Tech?

To have a Hell of a good time. The "good" seems to be the only part lacking.

Why have you stayed here so long?

Nothing like a truthful answer: "Because I have not been forced to leave."



JUST A PAGE
OF
- JOKES -



OUR PRES



WADDIE



PERCIVAL



JIMMIE



WILL PAULS



JOE.



LARRY



PIRATE ROONEY

How much do you spend during the college year?

Most everybody spends eight months of their time. One claims he cannot do it that cheaply. He goes to summer school.

Where do you spend the most of it?

Go easy on this one—in Boston.

What is the average number of C's on your report?

Unanimously, one—"See enclosed note."

What is your favorite PhysLab experiment?

Varied opinions seem to be expressed, but the most popular seems to be Newton's fourth. The Bunsen burner comes in a good second.

What is your average time of retiring?

The record time is, according to one student, one minute flat.

How often do you buy the Tech?

Once a year—two dollars, please.

What is your favorite excuse for going to Mack's?

She doesn't work there now.

What is your favorite amusement?

Sports of all nations—Riding in the Swan boats at the Public Gardens.

Why do you wear clothes?

As a usual thing it is simply to cover the law, but one stude says: "So the cigarette ashes won't burn when they fall off."



ODDS & ENDS



WALT



RAY BOB



TERRY



PICK



WITHY



JIMMY & WHIZ



THE NUTS



LAM

Who is the most popular co-ed?

Mary Plummer wins by a large majority. "Fannie" Freeman comes in second with a good following.

Who is the handsomest Professor?

Professor Russell is again given the distinction of being our "handsome Dan."

Who is the hardest Professor to bluff?

There's no discussion—C. "Bull-it" Breed.

What advice would you give a Freshman?

When on Rogers Steps

Are you working your way through Tech?

Most of us are going faster through the old man's Bank-roll.

What do you do in Poly. Econ. lectures?

"Life" comes out on Tuesdays, and Thursdays it's the "S. E. P."

What is your favorite tobacco?

It would be "B. L." if we didn't have it.

What is your idea of a cinch?

We can't imagine anything softer than assistant in Physics Heat lectures.

What is entropy?

It is evidently from the French:

en = of it

trop = too much

y = here

too much of it here. Where? Tech. Q. E. D.





PHILIPP

A PAGE OF
SMILES



BOB



RED



CLIFF



FAT



CUPID



DIP



ART

CLASS OF NINETEEN HUNDRED AND SIXTEEN



LAWRASON
DEAN

DEWSON
PATTEE

DUFF

HILL

EVANS
LOOMIS

FREEMAN
SHAKESPEARE

CHARLES W. LOOMIS, *President*
ELIZABETH G. PATTEE, *Secretary*

HARVEY F. DEWSON, *Vice-President*
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Executive Committee: HOVEY THOMAS FREEMAN, JAMES MORRISON EVANS

Athletic Association: LUCIUS TUTTLE HILL, LEVERING LAWRASON

CLASS DINNER: Held at the Union, January 2, 1913

Toastmaster: CHARLES W. LOOMIS

Speakers: Professor WILLIAM E. WICKENDEN, Mr. DAVID CARB, Dr. JOSEPH LIPKA



CLASS OF NINETEEN HUNDRED AND SEVENTEEN



CURTIN WOOD DOWELL HARDWICK LEONARD FARNSWORTH
HULBURD DUNHAM WYMAN TOURTELLOTTE

PHILIP EDWIN HULBURD, *President* ATWOOD PACKARD DUNHAM, *Vice-President*
PAUL COOLIDGE LEONARD, *Treasurer* NEAL EVERETT TOURTELLOTTE, *Secretary*
ARTHUR EDWARD DOWELL, *Clerk*

Institute Committee: DUDLEY EDWARDS BELL, LOUIS ERNST WYMAN

Executive Committee: ENOS WETTLAUER CURTIN, RICHARD HARDWICK

Athletic Association: AUGUSTUS PAGE FARNSWORTH, HAMILTON LANSDOWNE
WOOD

CLASS DINNER: Held at the Union, February 14, 1914

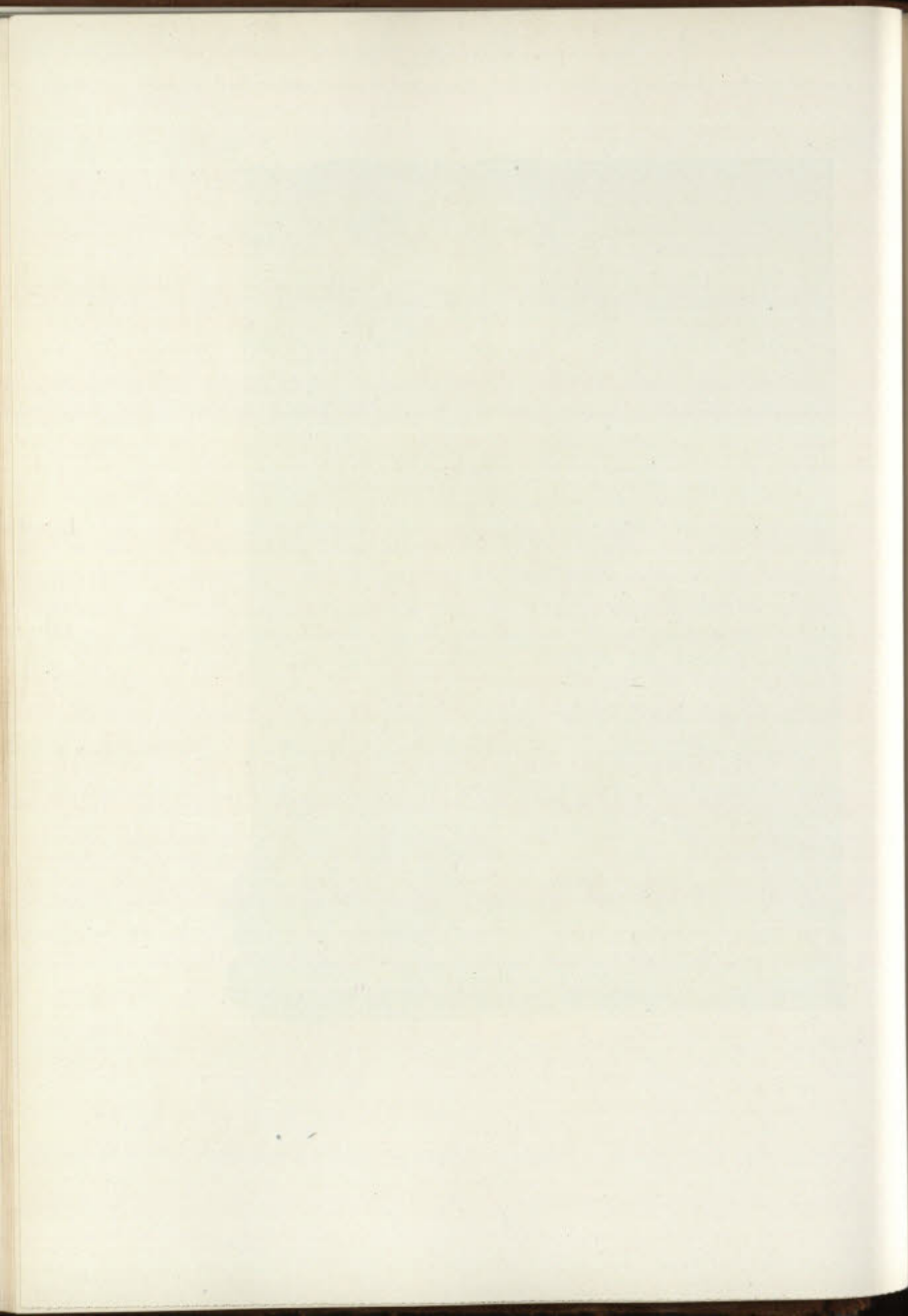
Toastmaster: PHILIP E. HULBURD

Speakers: Dean ALFRED E. BURTON, Professor HENRY P. TALBOT, Professor
EDWARD F. MILLER



IT MAY well be said that Mr. Rogers willed the Institute to Mr. Francis A. Walker, for it was he whom Mr. Rogers chose as his successor, and it was at the inauguration of Mr. Walker that Mr. Rogers passed away. Technology saw during Mr. Walker's presidency a most rapid growth, with the addition of new departments and increased prosperity. The State first became interested in the school during Mr. Walker's occupancy of the chair from 1881 to 1897.





ATHLETICS



O.R. FREEMAN

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ALLEN W. ROWE, 1901

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THEODORE H. GUETHING, 1914

WALLACE S. THOMAS, 1915

ARTHUR F. PEASLEE, 1914







RECORDS

I. C. A. A. A. A.

9 4-5 secs.

B. J. WEFERS
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R. C. CRAIG
Michigan

21 1-5 secs.

B. J. WEFERS
Georgetown
R. C. CRAIG
Michigan

48 secs.

C. D. REIDPATH
Syracuse

1 min. 53 4-5 secs.

J. P. JONES
Cornell

4 min. 14 2-5 secs.

J. P. JONES
Cornell

9 min. 24 2-5 secs.

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Harvard

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100 Yards

10 secs.

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22 secs.

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49 3-5 secs.

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1 min. 55 3-5 secs.

N. S. TABER
Brown

One Mile

4 min. 18 3-5 secs.

N. S. TABER
Brown

Two Miles

9 min. 35 3-5 secs.

R. W. ATWATER
Tufts

M. I. T. A. A.

10 1-5 secs.

R. S. FRANKLIN
1903

22 secs.

C. W. GRAM
1909

50 4-5 secs.

T. H. GUETHING
1914

1 min. 58 secs.

P. D. WHITE
1911

4 min. 27 secs.

E. B. GERMAIN
1913

9 min. 52 4-5 secs.

S. M. UDALE
1907



I. C. A. A. A. A.

15 1-5 secs.
A. B. SHAW
Dartmouth

23 3-5 secs.
A. C. KRAENZLEIN
Pennsylvania

48 ft. 10 3-4 in.
R. L. BEATTY
Columbia

164 ft. 10 in.
J. R. DeWITT
Princeton

6 ft. 3 1-4 in.
T. MOFFIT
Pennsylvania

24 ft. 4 1-2 in.
A. C. KRAENZLEIN
Pennsylvania

13 ft. 1 in.
R. A. GARDNER
Yale

N. E. I. A. A.

120-Yard Hurdles (High)

15 2-5 secs.
A. B. SHAW
Dartmouth

220-Yard Hurdles (Low)

24 3-5 secs.
A. L. GUTTERSON
Vermont

Shot Put
46 ft. 3 1-8 in.
L. A. WHITNEY
Dartmouth

Hammer Throw
148 ft. 8 1-2 in.
H. E. MARDEN
Dartmouth

Discus Throw
135 ft. 5 9-10 in.
L. A. WHITNEY
Dartmouth

High Jump
6 ft. 7-16 in.
P. W. DALRYMPLE
Technology
H. B. ENRIGHT
Dartmouth

Broad Jump
23.45 ft.
A. L. GUTTERSON
Vermont

Pole Vault
12 ft. 6 1-4 in.
M. S. WRIGHT
Dartmouth

M. I. T. A. A.

16 2-5 secs.
E. L. OVINGTON
1904

25 4-5 secs.
G. P. BURCH
1899

41 ft. 1 1-2 in.
O. V. CHAMBERLIN
1911

130 ft. 10 in.
L. G. METCALF
1912

121 ft. 5 1-8 in.
O. V. CHAMBERLIN
1911

6 ft. 1-2 in.
C. D. HEYWOOD
1893

22 ft. 1 1-2 in.
G. W. GROSVENOR
1899

11 ft. 7 in.
W. C. SALISBURY
1911





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W. S. THOMAS, Technology

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COLUMBIA
CORNELL

DARTMOUTH
FRANKLIN AND MARSHALL
GEORGETOWN
HARVARD
HAVERFORD
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MAINE
TECHNOLOGY
TRINITY
TUFTS

VERMONT
WESLEYAN
WILLIAMS
W. P. I.

Championships

DARTMOUTH, 13
AMHERST, 8

WILLIAMS, 3
BOWDOIN, 1

TECHNOLOGY, 1
BROWN } Tied, 1
AMHERST }



MITA A



	COOK	MacRAE	WOOD	HILL	THOMAS	
	MacLEOD	CURTIS	GUETHING	MORSE	KELLY	
SMYTHE-MARTIN		FARNSWORTH		LAWRASON		HILLER





President GUETHING

President

THEODORE H. GUETHING, 1914

Vice-President

ARNOLD BLAKE CURTIS, 1915

Secretary-Treasurer

CHARLES LESTER MORSE, 1915



Vice-Pres. CURTIS

Members*Senior*ADELBERT DELANO HILLER
ARTHUR FRANK PEASLEE*Junior*ARNOLD BLAKE CURTIS
CHARLES LESTER MORSE*Sophomore*LUCIUS TUTTLE HILL
LEVERING LAWRASON*Freshman*AUGUSTUS PAGE FARNSWORTH
HAMILTON LANSDOWNE WOOD**Ex-Officio Members***Track Team*THEODORE HERVEY GUETHING, 1914, Captain
WALLACE SENTENY THOMAS, 1915, Manager*Cross Country*FRED LYSLE COOK, 1915, Captain
WALLACE SENTENY THOMAS, 1915, Manager*Hockey Team*NORMAN DOUGLASS MACLEOD, 1914, Captain
NELSON MACRAE, 1916, Manager*Wrestling Team*JOHN GEORGE KELLY, 1914, Captain
ROSSLYN SMYTHE-MARTIN, 1914, Manager

TRACK TEAM



	WILKINS	FOX	BENSON	WILSON	
MACLEOD	GUETHING	GERMAIN	CURTIS	HUFF	BYLUND

Captain

EDWARD BENNETT GERMAIN, 1913

Manager

JAMES MAYNE WHITE, 1914

Coach

FRANK MAURICE KANALY

Team

HENRY SUMNER BENSON, 1916
WALTER ROBERT BYLUND, 1913
ARNOLD BLAKE CURTIS, 1915
CHARLES EPHRAIM FOX, 1914
EDWARD BENNETT GERMAIN, 1913

THEODORE HERVEY GUETHING, 1914
THOMAS HENRI HUFF, 1914
NORMAN DOUGLAS MACLEOD, 1914
HAROLD SUTHERLAND WILKINS, 1914
LOUIS ALEXANDER WILSON, 1914





GREAT improvement in interest was manifested in track athletics during the season of 1913, resulting in a very successful season for Technology.

The class meets early in the year brought out a number of men who proved to be excellent material for the Varsity Team.

The Spring Meet was the first to be held, and the spirit shown in this event forecasted a successful season. Next came the 1915-1916 Meet, held in conjunction with the 1915-1916 Cross-country Run. Most of the men selected for the Varsity Team were chosen from among those who showed up the best in these preliminary class meets. Worcester Polytechnic Institute was our only dual meet opponent, but did not prove very formidable, as a glance at the score of the meet will show. The weight events proved to be the one weak spot in our team.

The N. E. I. A. A. Meet, held at the Harvard Stadium for the first time, offered a most interesting series of events. In this meet, however, Technology did not show up as well as had been expected.

Although our team placed next to the largest number of men in the preliminary trials, we were unable to take better than sixth place in the finals. Dartmouth won the meet with a very large score, scoring in all but two of the events. The fact that new records were



Captain GERMAIN



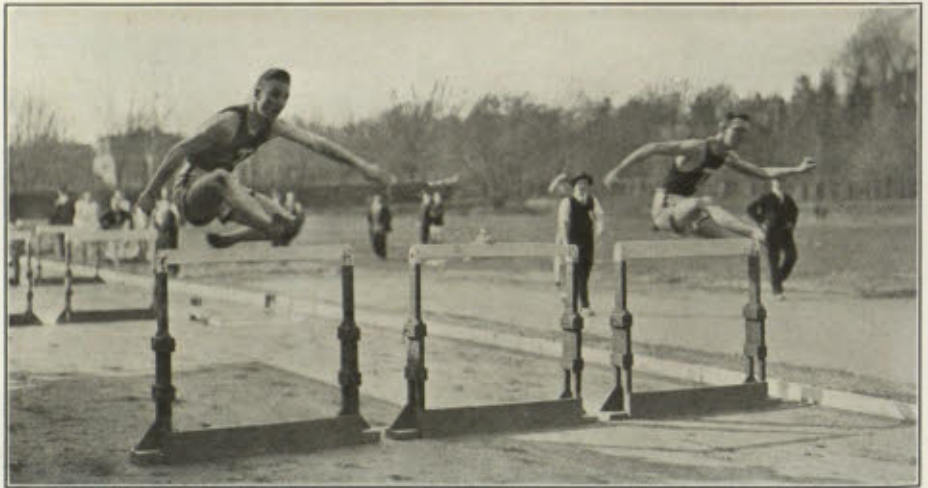
Manager WHITE




established in five events will give an idea of the ability of the participants. Taber of Brown lowered the half-mile record, and also that of the mile, while Atwater of Tufts broke the record in the two-mile. In the weight events, Whitney of Dartmouth succeeded in making new records in both the shot put and the discus throw. In the 220-yard dash, Wilson lost first place by a very small margin. Guething scored fourth in the quarter-mile, dropping back from the lead but a few yards from the tape. Curtis scored third in the high hurdles, and Fox took second in the broad jump, making a total score of nine points for Technology.

After the N. E. I. A. A. Meet came the I. C. A. A. A. Meet, which was also held at the Stadium. Technology failed to score in this meet, however, as the proximity of final examinations prevented all but a few of the men on our team from participating.

With the I. C. A. A. A. Meet, the season was brought to a close. It is to be hoped that such spirit as was evidenced during the past season by the candidates for the Track Team will carry us through many more seasons with equal success.







W. P. I. TECH MEET

TECHNOLOGY FIELD

MAY 17, 1913

<i>Events</i>	<i>Places</i>	<i>College</i>	<i>Time, Height, or Distance</i>
100 Yards	L. A. WILSON	Technology	10 2-5 secs.
	H. S. WILKINS	Technology	
	C. W. LOOMIS	Technology	
220 Yards	L. A. WILSON	Technology	23 2-5 secs.
	H. S. WILKINS	Technology	
	C. W. LOOMIS	Technology	
440 Yards	T. H. GUETHING	Technology	51 2-5 secs.
	A. F. PEASLEE	Technology	
	J. W. MOULTON	W. P. I.	
880 Yards	E. B. GERMAIN	Technology	2 min. 3 1-5 secs.
	W. R. BYLUND	Technology	
	C. T. GUETHING	Technology	
One Mile	R. L. KEITH	W. P. I.	4 min. 37 3-5 secs.
	H. S. BENSON	Technology	
	K. HUGO	W. P. I.	
Two Miles	J. W. ARMOUR	W. P. I.	9 min. 58 secs.
	F. L. COOK	Technology	
	R. L. KEITH	W. P. I.	
120-Yard Hurdles	A. B. CURTIS	Technology	16 3-5 secs.
	T. H. HUFF	Technology	
	T. W. FARNSWORTH	W. P. I.	
220-Yard Hurdles	B. S. MUNCH	Technology	26 4-5 secs.
	T. H. HUFF	Technology	
	A. B. CURTIS	Technology	
Shot Put	C. C. CLOUGH	W. P. I.	41 ft. 2 1-4 in.
	J. B. MACNEILL	Technology	
	N. D. MACLEOD	Technology	
Hammer Throw	J. D. POWER	W. P. I.	129 ft. 9 in.
	C. C. CLOUGH	W. P. I.	
	N. D. MACLEOD	Technology	



<i>Events</i>	<i>Places</i>	<i>College</i>	<i>Time, Height, or Distance</i>
Discus Throw	N. D. MACLEOD	Technology	105 ft. 11 3-4 in.
	J. D. POWER	W. P. I.	
	C. C. CLOUGH	W. P. I.	
High Jump	E. A. TEESON	Technology	5 ft. 5 1-4 in.
	L. S. HALL	Technology	
	J. H. MACKINNON	Technology	
Broad Jump	N. D. MACLEOD	Technology	20 ft. 8 1-4 in.
	C. E. FOX	Technology	
	E. E. ALT	Technology	
Pole Vault	L. LAWBRASON	Technology	9 ft. 8 in.
	E. MANGAN	Technology	
	R. T. FRIEBUS	Technology	

<i>Events</i>	<i>Summary of Points</i>	
	<i>Technology</i>	<i>W. P. I.</i>
100 Yards	9	
220 Yards	9	
440 Yards	8	1
880 Yards	9	
One Mile	3	6
Two Miles	3	6
120-Yard Hurdles	8	1
220-Yard Hurdles	9	
Shot Put	4	5
Hammer Throw	1	8
Discus Throw	5	4
High Jump	9	
Broad Jump	9	
Pole Vault	9	
	95	31





HARVARD STADIUM

MAY 23, 24, 1913

<i>Events</i>	<i>Places</i>	<i>College</i>	<i>Time, Height, or Distance</i>
100 Yards	C. O. OLSON	Dartmouth	10 2-5 secs.
	L. BRINGARDNER	Holy Cross	
	F. D. NARDINI	Colby	
220 Yards	L. C. MARTIN	Dartmouth	22 1-5 secs.
	C. O. OLSON	Dartmouth	
	L. A. WILSON	Technology	
440 Yards	D. M. ASHTON	Maine	50 2-5 secs.
	L. C. MARTIN	Dartmouth	
	S. D. ROSE	Dartmouth	
880 Yards	C. W. O'CONNOR	Dartmouth	1 min. 55 3-5 secs.
	B. LEE	Holy Cross	
	T. H. GUETHING	Technology	
One Mile	N. S. TABER	Brown	4 min. 18 3-5 secs.
	J. HIGGINS	Holy Cross	
	R. W. BELL	Maine	
Two Miles	W. R. GRANGER	Dartmouth	9 min. 35 3-5 secs.
	N. S. TABER	Brown	
	F. R. MARCEAU	Dartmouth	
120-Yard Hurdles	P. S. HARMON	Dartmouth	16 2-5 secs.
	A. E. COOK	Brown	
	R. W. ATWATER	Tufts	
220-Yard Hurdles	H. T. BALL	Dartmouth	24 4-5 secs.
	J. I. WENDELL	W. P. I.	
	J. C. DEWEY	Amherst	
Shot Put	A. B. CURTIS	Williams	46 ft. 3 1-8 in.
	J. I. WENDELL	Technology	
	W. A. MEANIX	Wesleyan	
Hammer Throw	G. A. BROWN	Colby	153 ft. 8-10 in.
	E. M. HAY	Dartmouth	
	L. A. WHITNEY	Williams	
Discus Throw	R. A. SHEPARD	Brown	135 ft. 5 9-10 in.
	C. C. CLOUGH	W. P. I.	
	H. P. BAILEY	Maine	
	C. B. PHELPS	Williams	
	R. F. SHERBURNE	Tufts	
	T. C. HUDSON	Trinity	
	L. A. WHITNEY	Dartmouth	
	A. E. BARTLETT	Brown	
	W. T. ENGELHORN	Dartmouth	
	R. A. SHEPARD	Bates	



<i>Events</i>	<i>Places</i>	<i>College</i>	<i>Time, Height, or Distance</i>
High Jump	H. B. ENRIGHT	Dartmouth	5 ft. 10 1-8 in.
	D. R. MASON	Dartmouth	
	P. R. BASSETT	Amherst	
	W. R. KEMPTON	Bates	
Broad Jump	W. COLLEARY	Holy Cross	21 ft. 4 1-4 in.
	C. E. FOX	Technology	
	G. E. READ	Dartmouth	
	P. S. SMITH	Bowdoin	
Pole Vault	M. S. WRIGHT	Dartmouth	12 ft.
	M. A. MYERS	Dartmouth	
	L. B. ROGERS	Maine	
	C. P. HULBERT	Dartmouth	
	H. A. SEMMES	Dartmouth	

Summary of Points

	Dartmouth	Brown	Holy Cross	Maine	Wesleyan	Technology	Tufts	Williams	Colby	Bates	W. P. I.	Amherst	Bowdoin	Trinity
100 Yards . . .	6	-	3	-	-	-	-	-	2	-	-	-	-	-
220 Yards . . .	6	-	-	2	-	3	-	-	-	-	-	-	-	-
440 Yards . . .	8	-	2	-	-	1	-	-	-	-	-	-	-	-
880 Yards . . .	1	5	3	2	-	-	-	-	-	-	-	-	-	-
One Mile . . .	5	6	-	-	-	-	-	-	-	-	-	-	-	-
Two Miles . . .	3	-	-	-	-	-	5	-	-	-	2	1	-	-
High Hurdles . .	-	-	-	-	5	2	-	3	-	-	-	-	-	-
Low Hurdles . .	2	-	-	-	5	-	-	1	3	-	-	-	-	-
High Jump . . .	8	-	-	-	-	-	-	-	-	1½	-	1½	-	-
Broad Jump . . .	2	-	5	-	-	3	-	-	-	-	-	-	1	-
Pole Vault . . .	9	-	-	2	-	-	-	-	-	-	-	-	-	-
Shot Put . . .	5	2	-	-	-	-	-	-	-	3	1	-	-	-
Hammer Throw . .	-	-	-	5	-	-	2	3	-	-	-	-	-	1
Discus Throw . .	7	3	-	1	-	-	-	-	-	-	-	-	-	-
Totals . . .	62	16	13	12	10	9	7	7	5	4½	3	2½	1	1



ONE MILE RELAY TEAM



DEAN

FOX

GUETHING

O'HARA

Team

KEMERTON DEAN, 1916
CHARLES EPHRAIM FOX, 1914

THEODORE HERVEY GUETHING, 1914
FRANCIS PATRICK O'HARA, 1917

B. A. A. GAMES, Boston, Mass.
Opponent: DARTMOUTH

FEBRUARY 7, 1914
Won by TECHNOLOGY. Time, 3 min. 10 4-5 secs.

PROVIDENCE A. A. GAMES, Providence, R.I.
Opponent: HARVARD

FEBRUARY 21, 1914
Won by HARVARD. Time, 2 min. 42 secs.



RELAY TEAMS



TWO very fast relay teams were put on the track this season by Coach Kanaly. The large number of candidates that responded to the call was exceedingly gratifying, and aided greatly in selecting the very best men for the teams.

The mile relay race, held under the auspices of the B. A. A., was the first contest of the season. In this race Technology easily won over Dartmouth, making the fourth fastest time of the meet.

At the Providence A. A. Meet, which came soon after, Technology fell a victim to the record-breaking teams of Harvard in both the one and two mile events, and, although the contests were extremely keen throughout, the greater experience and longer training of the Harvard teams was quite apparent.

Without a very large number of Relay Meets in which our teams can participate, it is usually difficult to arouse a great deal of enthusiasm and interest in the sport; but this season, although there were but two meets on the schedule, the teams were conceded to be among the fastest that have ever represented Technology in this branch of sport.



TWO MILE RELAY TEAM



FOX

T. H. GUETHING

BENSON

C. T. GUETHING

Team

HENRY SUMNER BENSON, 1916
CHARLES EPHRAIM FOX, 1914

CARL THEODORE GUETHING, 1916
THEODORE HERVEY GUETHING, 1914

PROVIDENCE A. A. GAMES, Providence, R.I.

FEBRUARY 21, 1914

Opponent: HARVARD

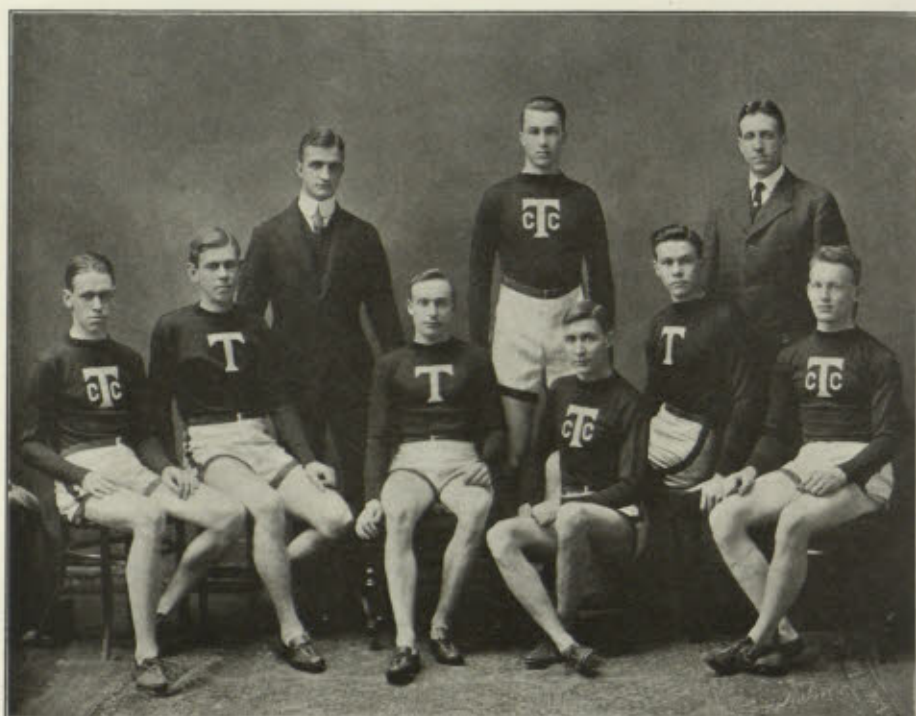
Won by HARVARD. Time, 6 min. 16 1-5 secs.





COACH KANALY

CROSS-COUNTRY TEAM



WILKINS THOMAS GÜETHING KANALY
BENSON NYE NEWLIN COOK LEE

Captain

ALFRED FRANCIS NYE, 1914

Manager

WALLACE SENTENY THOMAS, 1915

Coach

FRANK MAURICE KANALY

Team

HENRY SUMNER BENSON, 1916
LEONARD ERNEST BEST, 1915
RAYMOND GROUT BROWN, 1916
FRED LYSLE COOK, 1915
JOHN JAMES DONNELLY, 1917

CARL THEODORE GÜETHING, 1916
CHARLES SHEPARD LEE, 1914
EARL MORTIMER NEWLIN, 1914
ALFRED FRANCIS NYE, 1914
CHARLES HOWARD WILKINS, 1914



THE record of the Cross-country Team during the past season has been one that any college might be proud of. The material for the team this year was particularly good, none of the men who ran last year having left the Institute. With last year's team practically intact, and a number of new candidates on the squad, the outlook for the season was particularly bright.

The first run was against Holy Cross, on Field Day, and a glance at the result will show the one-sided nature of the contest. From start to finish, the Technology runners held the lead, and easily won the run with the overwhelming score of twenty-three to sixty-seven. This victory, however, did not prove the ability of the team, as Holy Cross was not considered a very formidable opponent. A far better test was the N. E. I. A. A. run held a short time later over the Dartmouth course. In this run Technology succeeded in taking fourth place. Maine won first place over Dartmouth with a score of forty to forty-four.

The final intercollegiate meet of the season was the I. C. A. A. A. A. run at Van Cortlandt Park, New York. The Cornell runners won first honors, and those of Harvard came in second, but the greatest surprise to outsiders was the showing of the Technology team in third place. Critics had not figured Technology to finish anywhere in the first six teams, yet they came very close to displacing Harvard from second place. The team showed the best balance of any, with the possible exception of Cornell. Too much



Captain NYE



Manager THOMAS





START OF THE I. C. A. A. A. RUN AT VAN CORTLANDT PARK

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credit cannot be given the men who ran in this race, and Coach Kanaly for training the team. Cook was the first runner of the Technology team to finish. He came in ninth, and was followed closely by

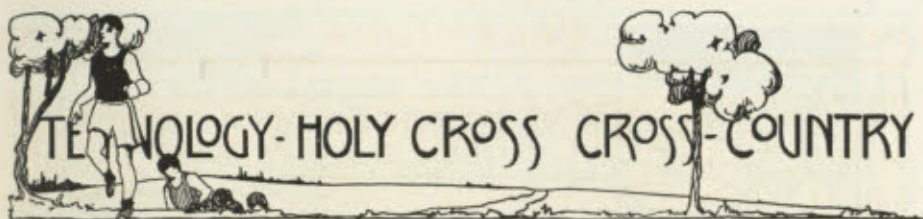
Nye and Benson, in twelfth and fourteenth places, respectively. Then quite a space elapsed before Newlin, in thirty-third, and Guething, in thirty-fifth, place crossed the line.



NYE, COOK, and BENSON

As a criterion by which to judge the merits of the team, no better event than the I. C. A. A. A. run can be chosen, and the remarkable performance of the team in this race shows that it is by far the fastest and best balanced team that has ever represented the Institute in this branch of sport.





NOVEMBER 7, 1913

TECHNOLOGY COURSE

Distance, $4\frac{3}{4}$ miles

Time, 23 min. 45 2-5 secs.

Team Scores

TECHNOLOGY	1	2	3	4	5	8	23
HOLY CROSS	6	7	12	13	14	15	67

Individual Winners

1. F. L. COOK	Technology
2. H. S. BENSON	Technology
3. A. F. NYE	Technology
4. E. M. NEWLIN	Technology

Order of Finish of Technology Team

1. FRED LYSLE COOK, 1915	4. EARL MORTIMER NEWLIN, 1914
2. HENRY SUMNER BENSON, 1916	5. CHARLES SHEPARD LEE, 1914
3. ALFRED FRANCIS NYE, 1914	8. CHARLES HOWARD WILKINS, 1914





UNDER THE AUSPICES OF THE N. E. I. A. A.

NOVEMBER 15, 1913

DARTMOUTH COURSE

Distance, 4.7 miles

Time, 27 min. 37 secs.

Summary of Points of First Four Teams

<i>College</i>	<i>Positions Won</i>					<i>Score</i>
MAINE	2	3	5	11	19	40
DARTMOUTH	1	7	10	12	14	44
COLBY	4	6	18	20	11	11
TECHNOLOGY	8	9	13	17	32	79

Individual Winners

1. MARCEAU	Dartmouth
2. BELL	Maine
3. PRETTI	Maine
4. WENZ	Colby

Order of Finish of Technology Team

- 8. ALFRED FRANCIS NYE, 1914
- 9. HENRY SUMNER BENSON, 1916
- 13. FRED LYSLE COOK, 1915
- 17. CHARLES SHEPARD LEE, 1914





UNDER THE AUSPICES OF THE I. C. A. A. A.

NOVEMBER 22, 1913

VAN CORTLANDT PARK (NEW YORK)

Distance, 6 miles

Time, 34 min. 37 secs.

Summary of Points

<i>College</i>	<i>Positions</i>					<i>Score</i>
CORNELL	2	11	13	15	27	68
HARVARD	1	4	19	22	46	92
TECHNOLOGY	9	12	14	33	35	103
PENNSYLVANIA	3	10	18	31	45	107
PRINCETON	8	16	17	30	43	114
DARTMOUTH	6	20	23	24	52	125
BROWN	7	21	32	41	42	143
YALE	5	26	28	34	53	146
SYRACUSE	29	40	44	51	60	224
PENN. STATE	25	36	56	57	62	236
COLUMBIA	50	59	72	75	77	333
MICHIGAN	61	64	66	68	76	335
C. C. N. Y.	70	71	73	79		

Individual Winners

1. R. ST. B. BOYD	Harvard	3. W. M. MCCURDY	Pennsylvania
2. J. S. HOFFMIRE	Cornell	4. F. H. BLACKMAN	Harvard

Order of Finish of Technology Team

- | | |
|----------------------------------|--------------------------------|
| 9. FRED LYSLE COOK, 1915 | 14. HENRY SUMNER BENSON, 1916 |
| 12. ALFRED FRANCIS NYE, 1914 | 33. EARL MORTIMER NEWLIN, 1914 |
| 35. CARL THEODORE GUETHING, 1916 | |



HOCKEY TEAM



	KEELER		TOYE		MACRAE		GRAY
COCHRANE	FLETCHER	MACLEOD	SAWYER	LOWENGARD	ROSS		

NORMAN D. MACLEOD, 1914, *Captain*

NELSON MACRAE, 1916, *Manager*

Team

RALPH LESLIE FLETCHER, 1915	Right Wing
HOWARD MARTIN SAWYER, 1915	Left Wing
NORMAN DOUGLAS MACLEOD, 1914	Rover
CLIFFORD DILLAWAY WINTON, 1917	Centre
CLARENCE COCHRANE, 1917	Cover Point
PRESCOTT WILDER GOULD, 1917	Point
RICHARD OTTO LOWENGARD, 1917	Goal

Substitutes

HAROLD PARKER GRAY, 1916
THEODORE CARTER JEWETT, 1916
HAROLD YOUNG KEELER, 1917

JAMES FRANCIS MAGUIRE, Jr., 1916
FRANK DOUGLAS ROSS, 1916
KENNETH BERTRUM TOYE, 1917



THE success of the Hockey Team during the past season was not as marked as it has been in former years. This was partly due to the fact that very few of the men who played on last year's Team were on the Team this season, most of them having graduated from the Institute. The squad at the beginning of the season was the largest that has ever come out for this sport, and among the candidates for the Team were some men who had had considerable experience. The schedule consisted of eight games, in only two of which was Technology the winner. Columbia proved an easy victim, and in the first game with Tufts, our Team was victorious.

The first game of the season was against the strong Pilgrim A. A. Team, which proved more than a match for our Team, in the condition in which it was at the time. The season had just begun, and only a few practices had been held.

Our next opponent was Harvard. The Harvard Team was conceded to be one of the strongest in New England, and the result of the encounter was not encouraging for us. Technology was out-classed in every department of the game.



Captain MacLEOD

Throughout the season the Team was greatly handicapped by a lack of funds, so in the game with Columbia a new departure was tried, to raise money to meet the expenses of the Team.



Manager MacRAE





The Arena was rented, with a view to selling enough tickets to put the Team on a firm financial basis for the remainder of the season. The experiment was not a complete success, however.

On account of the lack of ice during mid-year vacation, no trip was taken as in former years. The only game played away from home was the one with Williams. Although Technology was beaten in this game, the Team played together better, and showed more real skill, than in any of the previous games.

In comparison with former years, the Hockey season was not as successful as might have been wished, as far as the actual winning of games was concerned; but, taking into account the fact that practically none of the men who made the Team this year had ever played together before, and that the Team had no regular coach, the results are all that could be expected. The prospects at the beginning of the season were exceedingly bright, but, with no coach to train the men, the Team did not show the normal amount of improvement as the season progressed.

Hockey is fast becoming a major sport in many of the Northern colleges, and a great deal of money is being spent in perfecting college



teams. Technology has gained for herself an enviable position in this branch of athletics by the performances of her teams in past years, and only by such support and interest as was shown this season can she hope



to hold her own against her rivals in the sport. The prospects for next season are particularly bright, as only one man will be lost through graduation, and with the past season's experience, the team should have marked success.

Schedule

		Technology	Opponents
Dec. 10, 1913	Pilgrim A. A. at Boston Arena	4	7
Dec. 17, 1913	Tufts College at Boston Arena	4	2
Dec. 19, 1913	Harvard at Boston Arena	1	10
Dec. 29, 1913	Dartmouth at Boston Arena	1	11
Jan. 20, 1914	Tufts College at Boston Arena	3	4
Feb. 13, 1914	Columbia at Boston Arena	6	2
Feb. 21, 1914	Williams at Williamstown	1	4
Feb. 24, 1914	Boston A. A. at Boston Arena	0	9

Points for the Season

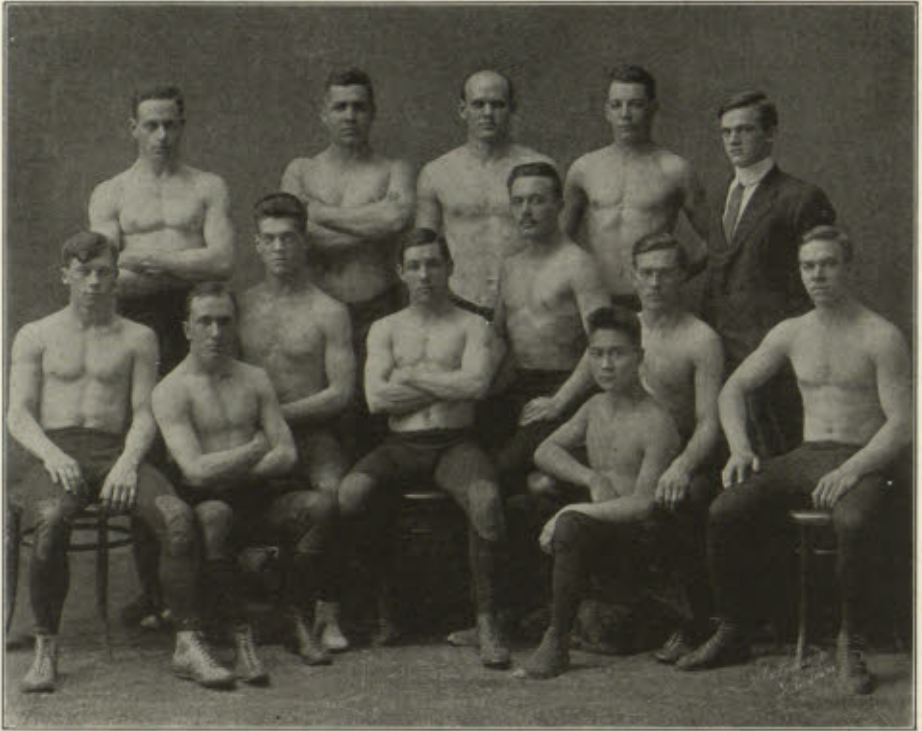
Technology, 26

Opponents, 49

Games won, 2; lost, 6



WRESTLING TEAM



WALTER CROWELL LESLIE GOODELL MORSE
 ROUNDS DURKEE KELLY SMYTHE-MARTIN TREAT WOOD
 MEANS LOO

Captain, JOHN GEORGE KELLY, Jr., 1914

Manager, ROSSLYN SMYTHE-MARTIN, 1914 Assistant Manager, HENRY GARDNER MORSE, 1916

Team

PING YOK LOO, 1916	115-pound class	
JOHN GEORGE KELLY, Jr., 1914	}	125-pound class
ALAN HAY MEANS, 1914		
CHAUNCEY HILTON DURKEE, 1915	}	135-pound class
EDWARD WADSWORTH ROUNDS, 1917		
ROSSLYN SMYTHE-MARTIN, 1914		
HENRY GARDNER MORSE, 1916	}	145-pound class
HOWARD WALCOTT TREAT, 1914		
WALTER CROMWELL WOOD, 1917		
EDWIN BURPEE GOODELL, Jr., 1915	}	158-pound class
ALBERT ULMAN WALTER, 1915		
HAROLD RYDER CROWELL, 1915	}	Heavyweight class
FREELAND HESTON LESLIE, 1914		



AMONG the athletics at Technology, we point with pride to the newest of the major sports, that of wrestling. Through the persevering and untiring efforts of men who were convinced of the good sportsmanship and possibilities in this branch of competitive exercise, wrestling has been put upon a firm basis, and within the past three years has grown with continually increasing interest not only among those active in the work, but among the student body as a whole.

Looking back upon the history of wrestling at Technology, we find no team at the beginning of the year 1911-12. During that year, however, a team was formed by men who loved sport for sport's sake, and several matches were entered. From the standpoint of victories, it can hardly be said that the season was a success, for, due to the lack of experience and coaching, the men did not come into their own until the last match, which ended in a decisive defeat of Brown University.

The following year had much in store for the wrestlers. It was found that the student body had imbibed some of the spirit of those actively interested, and, through the co-operation of members of the Faculty, the choice of substituting wrestling for the regular required gymnasium work was offered to the first-year men. This proved to be a big step ahead, for the Team which started the season was strong in comparison with the previous year.

The first meet of the year was with the strong team representing Clapp Memorial Association at East Weymouth. Technology emerged victorious with a score of four to two, and, with this start, the Team gained confidence and ability, and won the seven following



Captain KELLY

meets, closing the season undefeated, thus winning the New England Team Championship.

One home meet was held, Harvard answering the call, and losing on points by the score of ten to nine. At this meet the strength of the Team was shown, and it was also proven that the student body wanted wrestling to stay, and that they



Mar. SMYTHE-MARTIN



would support it. The Athletic Association responded, and voted to recognize wrestling as a major sport, granting to the winners in the Harvard meet the right to wear "wTt."

This past year the Team, with the exception of one man, remained intact, and by successive victories have continued their perfect record. Brown and Harvard have been met and defeated at the Technology Gymnasium, Brown losing 13 to 1, and Harvard losing 6 to 1. This brought the New England Intercollegiate Championship to Technology, while the Team still retained the title of New England Team Champions.

The meet with Yale at New Haven, on March 14th, resulted in another victory for Technology, and gave us the right to claim the intercollegiate championship.

The enthusiasm has reached such a stage that it is impossible for the large number of new men wishing to substitute wrestling for the required gymnasium work to be accommodated by the limited space and equipment of the present Technology Gymnasium. With the new buildings and facilities across the Charles, opportunity will be afforded for the enlargement and growth which is demanded and which is bound to come.

The latest development is the Freshman-Sophomore dual meet, at which the winners will be awarded their numerals.

As in other branches of athletics, there are the substitutes, the second team, and the novices, and too much praise cannot be given to them, for it is through the stiff competition offered by them that the 'Varsity Team is able to improve.

<i>Schedule</i>		<i>Technology</i>	<i>Opponents</i>
December 8, 1913	Boston Y. M. C. A.	7	2
December 14, 1913	Beverly Y. M. C. A.	6	0
December 29, 1913	Marblehead Y. M. C. A.	6	2
January 6, 1914	Clapp Memorial A. A.	7	2
January 10, 1914	Brown	9	1
February 14, 1914	Harvard	14	4
March 14, 1914	Yale	16	13
March 21, 1914	Boston Y. M. C. U.	6	4

Points for the Season
Technology, 71
Meets won, 8; lost, 0

Opponents, 28





TENNIS



President and Manager
FREDERICK LEWIS HURLBUTT, 1914

Vice-President
GERALD WALTER BLAKELEY, 1914

Secretary-Treasurer
JASPER BLANCHARD CARR, 1916



G. W. BLAKELEY

F. L. HURLBUTT

MEMBERS

MORTIMER PEARCE ALLEN, 1914
GERALD WALTER BLAKELEY, 1914
JASPER BLANCHARD CARR, 1916
MORGAN PUTNAM CURTIS, 1916
JAMES WASHINGTON EASTER, 1914
HAROLD VAN VECHTEN FAY, 1914
WOLFRAM ALEXANDER FUTTERER, 1917
GILBERT HERMAN GAUS, 1916
FREDERICK LEWIS HURLBUTT, 1914
TERENCE ROY JOHNSTON, 1915
GERALD MARCY KEITH, 1914
DONALD SARGENT KENDALL, 1917
EDWARD JOSLIN KINGSBURY, 1917
SAMUEL LAPHAM, Jr., 1916
IRVING BARRY MCDANIEL, 1915
CHARLES SALISBURY MAKEPEACE, 1916

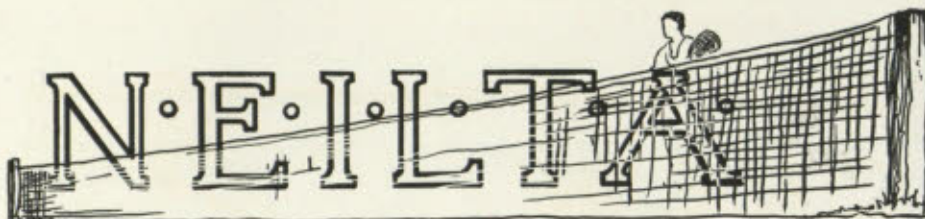
ELMER HERMAN NEUMANN, 1915
EDGARTON GOLDTHWAITE POLLEY, 1917
JUDSON CROMWELL RICHARDSON, 1917
HANS FRIEDRICH BERNARD ROESSLER, 1917
KENNETH WARREN ROY, 1915
CLIFFORD ERNEST SHEDD, 1916
GEORGE RADCLIFFE STEVENS, 1917
ARTHUR KNOWLES STEWART, 1916
HOWARD RAITT STEWART, 1916
WALTER SCOTT STEWART, 1916
LEONARD STONE, 1916
WARREN ANDREWS STRANGMAN, 1916
WALTER BURROUGHS STRONG, 1917
RICHARD PATHIN WARE, 1917
ROBERT ATHERTON WARREN, 1915
DONALD ELIOT WOODBRIDGE, 1916

Fall Tournament, 1913

Singles: HOWARD RAITT STEWART, 1916, ROBERT ATHERTON WARREN, 1915, Tied.

Doubles won by } ROBERT ATHERTON WARREN, 1915
 } EDGARTON GOLDTHWAITE POLLEY, 1917





OFFICERS

President
J. A. RICHARDS, Wesleyan

Vice-President
C. F. CUTLER, Williams

Secretary-Treasurer
F. CADY, Amherst

MEMBERS

AMHERST
BOWDOIN
BROWN
COLBY
DARTMOUTH

TECHNOLOGY
TRINITY
TUFTS
WESLEYAN
WILLIAMS

N. E. I. L. T. A. TOURNAMENT STANDING IN THE COMPETITION FOR THE EIGHT POINT CUP

AMHERST, 4

WILLIAMS, $\frac{1}{2}$

WESLEYAN, $1\frac{1}{2}$

ANNUAL TOURNAMENT OF THE N. E. I. L. T. A., 1913

LONGWOOD COURTS,
BROOKLINE, MASS.

MAY 19-23, 1913

Singles

Finals

C. L. JOHNSTON, Jr., Amherst }
F. CADY, Amherst }

Winner

C. L. JOHNSTON, Jr., Amherst

Doubles

Finals

BACON and RICHARDS, Wesleyan }
JOHNSTON and CADY, Amherst }

Winners

BACON and RICHARDS, Wesleyan





1914 Crew

<i>Position</i>	<i>Name</i>
Bow	WILLIAM CARLETON SHORT
2	EDWIN CLARENCE GERE
3	HERBERT ALFRED SWEET
Stroke	HOMER NORTHRUP CALVER
Coxswain	FREDERICK PHILLIP KARN

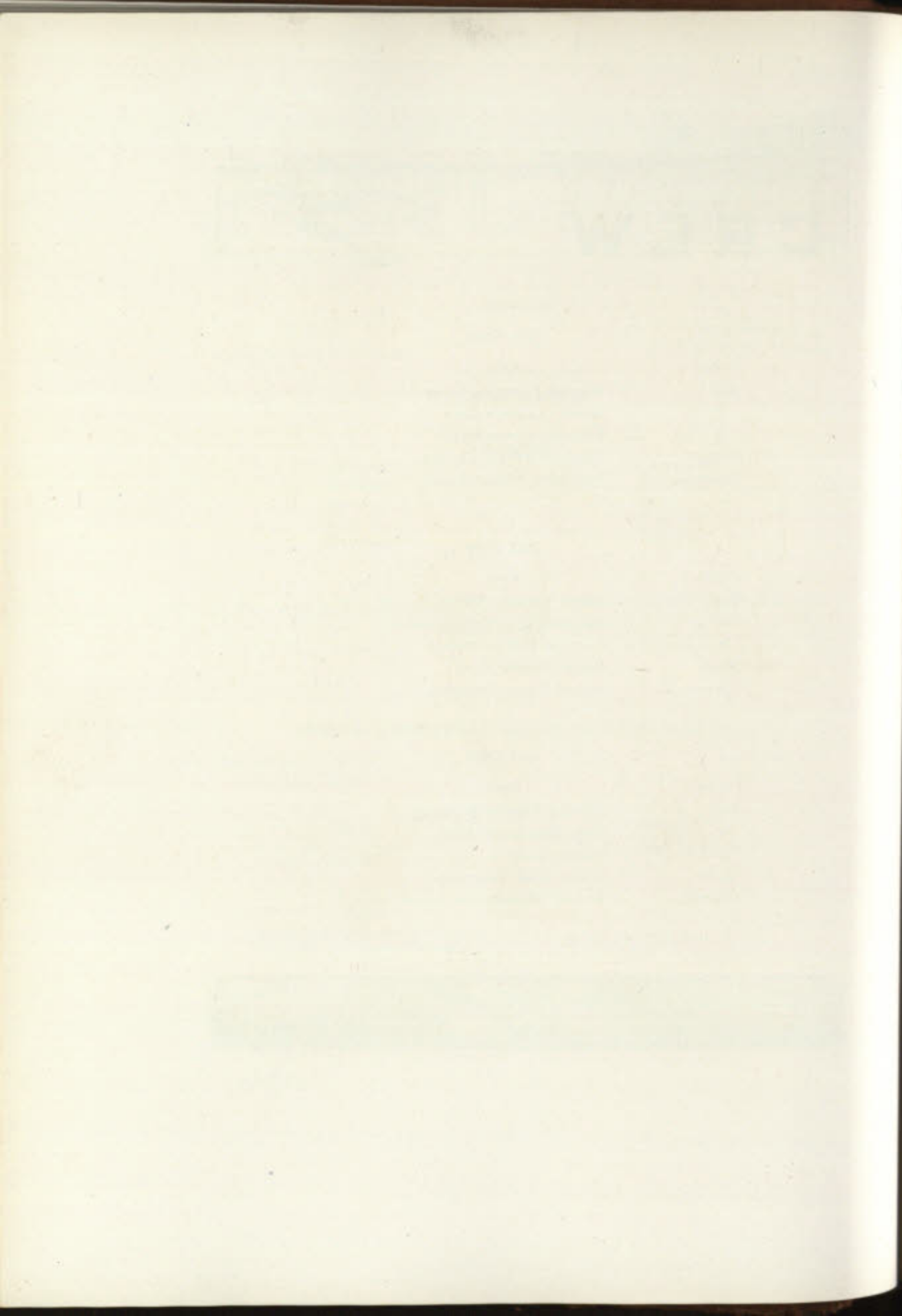
1915 Crew

<i>Position</i>	<i>Name</i>
Bow	HENRY LEONARD MARION
2	NICHOLAS VAN SLYCK MUMFORD
3	CLIFFORD EDWARD SIFTON
Stroke	HENRY PALMER SABIN
Coxswain	ALBERT HOVEY ANDERSON

1916 Crew

<i>Position</i>	<i>Name</i>
Bow	L'ROCHE GEORGE BOUSQUET
2	PAUL HARRINGTON DUFF
3	NELSON MACRAE
Stroke	STEVEN ROSS BERKOWITZ
Coxswain	EUGENE WILLETT VAN COURT LUCAS, Jr.





CLASS TEAMS



PRING MEET

TECHNOLOGY FIELD

APRIL 26, 1913

<i>Events</i>	<i>Places</i>	<i>Time, Height, or Distance</i>
100 Yards	LOUIS A. WILSON, 1914 CHARLES W. LOOMIS, 1916 WILLIAM E. ADAMS, 1916 ALDEN CRANKSHAW, 1914	10 2-5 secs.
220 Yards	LOUIS A. WILSON, 1914 WILLIAM E. ADAMS, 1916 CHARLES W. LOOMIS, 1916 CHARLES S. REED, 1916	23 secs.
440 Yards	THEODORE H. GUETHING, 1914 WALTER R. BYLUND, 1913 CHARLES S. REED, 1916 ARTHUR F. PEASLEE, 1914	50 4-5 secs.
880 Yards	EDWARD B. GERMAIN, 1913 KEMERTON DEAN, 1916 MOSES E. HILL, 1915 REGINALD F. POLLARD, 1915	2 min. 3 3-5 secs.
One Mile	CARL T. GUETHING, 1916 FRANK J. WALL, 1915 HENRY S. BENSON, 1916 ALVAH S. HOLWAY, 1914	4 min. 42 secs.
Two Miles	FRED L. COOK, 1915 FRANK J. WALL, 1915 REUBEN BURTON, 1915 ALFRED F. NYE, 1914	10 min. 29 secs.
120-Yard Hurdles	ARNOLD B. CURTIS, 1915 THOMAS H. HUFF, 1914 SHATSWELL OBER, 1916	16 1-5 secs.
220-Yard Hurdles	ARNOLD B. CURTIS, 1915 THOMAS H. HUFF, 1914 PHILIP S. PLATT, 1914	26 2-5 secs.
Shot Put	FREELAND H. LESLIE, 1914 NORMAN D. MACLEOD, 1914 EUGENE F. CONWAY, 1915 JOHN B. MACNEILL, 1913	38 ft. 2 inches



<i>Events</i>	<i>Places</i>	<i>Time, Height, or Distance</i>
Hammer Throw	EUGENE F. CONWAY, 1915 PAUL B. OWEN, 1914 NORMAN D. MACLEOD, 1914 HERBERT H. PORTER, 1916	93 ft. 7 3-4 in.
Discus Throw	NORMAN D. MACLEOD, 1914 GEORGE A. BEACH, 1914 JOHN B. MACNEILL, 1913 EDWARD E. ALT, 1915	104 ft. 8 in.
High Jump	JOHN H. MACKINNON, 1914 } Tied LESLIE S. HALL, 1914 } ERCELL A. TEESON, 1915 } Tied GONZALO GARITA, Jr., 1916 }	5 ft. 6 1-2 in.
Broad Jump	CHARLES E. FOX, 1914 } Tied NORMAN D. MACLEOD, 1914 } EDWARD E. ALT, 1915 } JOHN F. O'BRIEN, 1915 }	20 ft. 3 1-2 in.
Pole Vault	LEVERING LAWRASON, 1916 EDWARD MANGAN, 1913 JOHN F. O'BRIEN, 1915 HOWARD P. CLAUSSEN, 1916	10 ft. 8 in.

Summary of Points

1913 . . 14

1914 . . 64

1915 . . 40½

1916 . . 33½



Hurd Cup—High Hurdles
ARNOLD B. CURTIS

Batchelder Cup—One Mile
CARL T. GUETHING

Rockwell Cup—440 Yards
THEODORE H. GUETHING





FALL MEET

TECHNOLOGY FIELD

NOVEMBER 1, 1913

<i>Events</i>	<i>Place</i>	<i>Handicap</i>
100 Yards	L. A. WILSON, 1914	Scratch
	R. C. ERB, 1917	7 yds.
	C. W. LOOMIS, 1916	2½ yds.
	C. S. REED, 1916	7½ yds.
220 Yards	L. A. WILSON, 1914	Scratch
	S. LAPHAM, 1916	22 yds.
	W. A. SULLIVAN, 1917	11 yds.
	R. C. ERB, 1917	13 yds.
440 Yards	A. F. NYE, 1914	28 yds.
	T. H. HUFF, 1915	18 yds.
	L. A. WILLIAMS, 1917	25 yds.
	T. H. GUETHING, 1914	Scratch
880 Yards	T. H. GUETHING, 1914	Scratch
	E. J. GOLDSTEIN, 1916	55 yds.
	F. H. KENNEDY, 1914	35 yds.
120-Yard Hurdles	T. H. HUFF, 1915	Scratch
	A. B. CURTIS, 1915	Scratch
220-Yard Hurdles	T. H. HUFF, 1915	Scratch
	A. B. CURTIS, 1915	Scratch
High Jump	W. A. SULLIVAN, 1917	Scratch
	J. W. DOON, 1917	5 in.
	G. H. MACKINNON, 1914	Scratch
	E. D. SEWALL, 1917	4 in.



<i>Events</i>	<i>Place</i>	<i>Handicap</i>
Broad Jump	A. H. ATKINSON, 1917	1 ft. 6 in.
	K. H. DAY, 1917	4 in.
	C. S. REED, 1916	Scratch
	E. D. SEWALL, 1917	Scratch
Shot Put	C. D. WINTON, 1917	Scratch
	T. H. GUETHING, 1914	1 ft. 6 in.
	E. D. SEWALL, 1917	2 ft. 5 in.

Summary of Points

Seniors	28
Juniors	22
Sophomores	15
Freshmen	47



FINISH OF THE HUNDRED





INDOOR MEET



TECHNOLOGY GYMNASIUM

JANUARY 9, 1914

<i>Events</i>	<i>Places</i>	<i>Time, Height, or Distance</i>
35 Yards	FRANCIS P. O'HARA, 1917 LOUIS A. WILSON, 1914 CHARLES W. LOOMIS, 1916 ROBERT C. ERB, 1917	4 2-5 secs.
440 Yards	THEODORE H. GUETHING, 1914 CHARLES E. FOX, 1914 ALFRED F. NYE, 1914 KENNETH T. KING, 1915	57 4-5 secs.
880 Yards	ARTHUR F. PEASLEE, 1914 CHARLES W. LOOMIS, 1916 REGINALD F. POLLARD, 1915 ALFRED F. MILLIKEN, 1914	2 min. 19 1-5 secs.
One Mile	CARL T. GUETHING, 1916 RAYMOND G. BROWN, 1916 FRED L. COOK, 1915 MALCOLM C. BROCK, 1917	4 min. 57 4-5 secs.
High Jump	WILLIAM A. SULLIVAN, 1917 } Tied ERCELL A. TEESON, 1915 } LESLIE S. HALL, 1914 JAMES W. DOON, 1917	5 ft. 8 in.
Pole Vault	LEVERING LAWRASON, 1916 CHARLES E. FOX, 1914 } Tied WALTER A. WOOD, 1917 } FRANCIS C. ATWOOD, 1914	9 ft. 3 in.
Shot Put	ENOS W. CURTIN, 1917 CLIFFORD D. WINTON, 1917 ERALBERT T. MILLER, 1915 CHARLES E. FOX, 1914	35 ft. 10 1-2 in.

Summary of Points

1914 . . . 23½ 1915 . . . 18 1916 . . . 18 1917 . . . 28½



INTER-COURSE CROSS-COUNTRY RUN

MARCH 29, 1913

TECHNOLOGY COURSE

Distance, $4\frac{1}{4}$ miles

<i>Place</i>	<i>Name and Class</i>	<i>Course</i>	<i>Time</i>
1	CHARLES H. WILKINS, 1914	II.	25 min. 35 1-5 secs.
2	LEONARD E. BEST, 1915	X.	26 min. 25 2-5 secs.
3	HENRY S. BENSON, 1916	II.	26 min. 40 secs.
4	FRANK B. HASTIE, 1916	I.	26 min. 43 2-5 secs.
5	MOSES E. HILL, 1915	X.	26 min. 46 2-5 secs.
6	MURRAY G. GRAFF, 1916	I.	26 min. 47 secs.
7	JAMES H. MURDOUGH, 1916	I.	27 min. 43 secs.
8	HAROLD P. GRAY, 1916	II.	28 min. 7 1-5 secs.
9	CARLETON W. LOVELL, 1915	I.	28 min. 28 2-5 secs.
10	EDWIN J. GOLDSTEIN, 1916	X.	30 min. 2-5 sec.
11	REGINALD F. POLLARD, 1915	X.	32 min. 53 secs.
12	HAROLD R. BASSETT, 1915	II.	32 min. 55 2-5 secs.

Score

Course II., 24; Course I., 26; Course X., 28

ANNUAL HANDICAP CROSS- COUNTRY RUN

NOVEMBER 29, 1913

WAKEFIELD COURSE

Distance, $7\frac{1}{2}$ miles

<i>Order of Finish</i>	<i>Handicap</i>	<i>Elapsed Time</i>	<i>Actual Time</i>
PHILIP MAHLON CURRIER, 1914	$5\frac{1}{2}$ min.	45 min. 45 secs.	45 min. 15 secs.
ARTHUR FRANK PEASLEE, 1914	$4\frac{1}{4}$ min.	45 min. 49 secs.	44 min. 4 secs.
LEONARD ERNEST BEST, 1915	$3\frac{1}{4}$ min.	46 min. 26 secs.	43 min. 41 secs.
MALCOLM CAMERON BROCK, 1917	$3\frac{3}{4}$ min.	53 min. 29 secs.	51 min. 14 secs.
FRED LYSLE COOK, 1915	Scratch		

Record for Wakefield course, 41 min. 36 secs. Held by A. F. NYE, 1914

Record for West Roxbury course, 46 min. 23 secs. Held by H. H. HOWLAND, 1909





A. F. PEASLEE

Chase Captain

ARTHUR FRANK PEASLEE, 1914

Assistant Chase Captain

LEONARD ERNEST BEST, 1915



L. E. BEST

Members

HENRY SUMNER BENSON, 1916
LEONARD ERNEST BEST, 1915
MALCOLM CAMERON BROCK, 1917
FREDERICK BERNARD, 1917
ROGER BRIGHAM BROWN, 1917
FRED LYSLE COOK, 1915
PHILIP MAHLON CURRIER, 1914
JOHN JAMES DONNELLY, 1917
BROR VIKING ENEBUSKE, 1915
EDWIN JACOB GOLDSTEIN, 1916
HAROLD PARKER GRAY, 1916
MURRAY GENSEL GRAFF, 1916
CARL THEODORE GUETHING, 1916
FRANK BOWMAN HASTIE, 1916

THEODORE HAVILAND, 1917
ALVAH STORY HOLWAY, 1914
WILLIAM JENNINGS, 1915
CHARLES SHEPARD LEE, 1914
ALLYNE CUSHING LITCHFIELD, 1917
CARLETON WOODWARD LOVELL, 1915
ALFRED FRANCIS NYE, 1914
FRANK EDWARD PEACOCK, 1917
ARTHUR FRANK PEASLEE, 1914
REGINALD FLINT POLLARD, 1915
MALCOLM JOSEPH SAYWARD, 1914
FORREST PERCIVAL SHERMAN, 1917
HUGH CHAFFEE STONE, 1917
CHARLES WHITMORE WHITALL, 1915

CHARLES HOWARD WILKINS, 1914

Schedule of Hare and Hounds Runs

Newton	March 15, 1913
Hyde Park	March 22, 1913
Newton	October 4, 1913
Hyde Park	October 11, 1913
Melrose	October 18, 1913
Wakefield	November 15, 1913
Wakefield	November 29, 1913





OUTDOOR MEET—1915 v. 1916

TECHNOLOGY FIELD

APRIL 12, 1915

<i>Events</i>	<i>Places</i>	<i>Time, Height, or Distance</i>
100 Yards	CHARLES W. LOOMIS, 1916 CHARLES S. REED, 1916 WILLIAM E. ADAMS, 1916	11 secs.
220 Yards	CHARLES W. LOOMIS, 1916 DANIEL L. COMISKEY, 1916 TREDICK K. HINE, 1916	24 1-5 secs.
440 Yards	CHARLES S. REED, 1916 ARNOLD B. CURTIS, 1915 DOUGLAS B. BAKER, 1915	55 2-5 secs.
880 Yards	CARL T. GUETHING, 1916 MOSES E. HILL, 1915 KEMERTON DEAN, 1916	2 min. 7 3-5 secs.
One Mile	CARL T. GUETHING, 1916 LOUIS H. ZEPFLER, 1915 FRANK J. WALL, 1915	4 min. 51 secs.
Two Miles	FRANK J. WALL, 1915 FRED L. COOK, 1915 MURRAY G. GRAFF, 1916	10 min. 34 3-5 secs.
120-Yard Hurdles	ARNOLD B. CURTIS, 1915 NEWELL L. FOSTER, 1915 EDWARD H. CLARKSON, Jr., 1916	17 2-5 secs.
220-Yard Hurdles	ARNOLD B. CURTIS, 1915 CHARLES W. LOOMIS, 1916 VIKING ENEBUSKE, 1915	27 3-5 secs.
Shot Put	EUGENE F. CONWAY, 1915 MOSES WOLK, 1916 WALTER M. AFRICA, 1915	34 ft. 2 in.
Hammer Throw	EUGENE F. CONWAY, 1915 MOSES WOLK, 1916 WALTER M. AFRICA, 1915	84 ft. 7 in.
Discus Throw	EDWARD E. ALT, 1915 HERBERT H. PORTER, 1916 EUGENE F. CONWAY, 1915	86 ft. 7 in.
High Jump	FREDERICK W. CHILDS, 1916 CHARLES S. REED, 1916 SHATSWELL OBER, 1916	5 ft. 2 in.
Broad Jump	EDWARD E. ALT, 1915 CHARLES S. REED, 1916 RICHARD L. AHEARN, 1916	19 ft. 11 in.
Pole Vault	LEVERING LAWRASON, 1916 HOWARD P. CLAUSSEN, 1916 EDWARD H. CLARKSON, Jr., 1916	10 ft.

Summary of Points

1915 56

1916 70



INDOOR MEET—1916 v. 1917

TECHNOLOGY GYMNASIUM

MARCH 3, 1914

<i>Events</i>	<i>Places</i>	<i>Time, Height, or Distance</i>
35 Yards	CHARLES W. LOOMIS, 1916 ROBERT C. ERB, 1917 LEVERING LAWRASON, 1916	4 1-5 secs.
440 Yards	KEMERTON DEAN, 1916 ROBERT C. ERB, 1917 CHARLES W. LOOMIS, 1916	59 secs.
880 Yards	CARL T. GUETHING, 1916 LESTER A. WILLIAMS, 1917 HENRY S. BENSON, 1916	2 min. 11 3-5 secs.
One Mile	HENRY S. BENSON, 1916 MURRAY G. GRAFF, 1916 MALCOLM C. BROCK, 1917	4 min. 51 3-5 secs.
45-Yard Hurdles	EDWARD D. SEWALL, 1917 DUDLEY E. BELL, 1917 KIRKLAND H. DAY, 1917	6 secs.
High Jump	JAMES W. DOON, 1917 FREDERICK W. CHILDS, 1916 WILLIAM A. SULLIVAN, 1917 SHATSWELL OBER, 1916 GONZALO GARITA, Jr., 1916 GEOFFREY L. REID, 1916	5 ft. 5¾ in. } Tied
Pole Vault	LEVERING LAWRASON, 1916 EDWARD D. SEWALL, 1917 HAROLD A. KNAPP, 1917	10 ft.
Shot Put	EDWARD D. SEWALL, 1917 ENOS W. CURTIN, 1917 GEORGE R. STEVENS, 1917	33 ft. 9 in.

Summary of Points

1916	34¾
1917	37¼





GRAFF DEAN BENSON GRAY GUETHING MURDOUGH





Captain BENSON



Coach KANALY

Captains

MOSES EBENEZER HILL, 1915

HENRY SUMNER BENSON, 1916

Teams

1915

HAROLD REUBEN BASSETT
LEONARD ERNEST BEST
FRED LYSLE COOK
MOSES EBENEZER HILL
CARLETON WOODWARD LOVELL
FRANCIS JAMES WALL

1916

HENRY SUMNER BENSON
KEMERTON DEAN
MURRAY GENSEL GRAFF
HAROLD PARKER GRAY
CARL THEODORE GUETHING
JAMES HAROLD MURDOUGH

APRIL 5, 1913

TECHNOLOGY COURSE

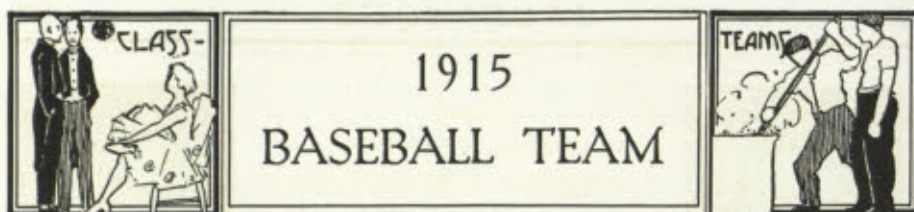
Distance, $4\frac{1}{4}$ miles

Score, 1915, 40; 1916, 38

*Order of Finish**Time*

HENRY SUMNER BENSON, 1916	25.27 min.
CARL THEODORE GUETHING, 1916	25.32
MOSES EBENEZER HILL, 1915	26.04
MURRAY GENSEL GRAFF, 1916	26.11
FRED LYSLE COOK, 1915	26.24
FRANCIS JAMES WALL, 1915	26.29
LEONARD ERNEST BEST, 1915	26.34
CARLETON WOODWARD LOVELL, 1915	27.30
HAROLD PARKER GRAY, 1916	
JAMES HAROLD MURDOUGH, 1916	
HAROLD REUBEN BASSETT, 1915	
KEMERTON DEAN, 1916	





SEARS SPENCER PARSONS MORSE PLACE
 THOMAS HOLWAY CAFFREY PIKE BAUER
 STEPHENSON FRANKS





Captain CAFFREY, 1915

Captains

AUGUSTINE J. CAFFREY, 1915

JONATHAN J. MURPHY, 1916

Managers

HOWARD C. THOMAS, 1915

CHARLES H. WOOLLEY, 1916



Manager THOMAS, 1915

1915 Team

FRANK ENOS PARSONS	Pitcher	GEORGE HOSE SMART
WILLIAM STEPHENSON, Jr.	Catcher	MARTIN JAMES CONNOLLY
JOHN THOMAS BAUER, Jr.	First Base	ROBERT ELWYN DEMERRITT
EVERETT EUGENE PLACE	Second Base	HENRY GARDNER MORSE
JAMES BROWN FRANKS, Jr.	Third Base	GEORGE HUBERT PETIT
AUGUSTINE JOSEPH CAFFREY	Short Stop	JONATHAN JOSEPH MURPHY, Jr.
HOWARD CUSHING THOMAS	Right Field	HAROLD HERMAN BURKHARDT
JAMES DENNETT MCINTYRE	Centre Field	ANSELMO KRIGGER
CHARLES LESTER MORSE	Left Field	FRANK DOUGLAS ROSS

*1916 Team**Substitutes*

ORIE LYNN HALL
WILLIAM REA HOLWAY
WALDO FRANCIS PIKE
LESLIE RAY SEARS
WILLIAM BENJAMIN SPENCER

Substitutes

HARVEY FIELD DEWSON
FRANK ELLSWORTH DRAKE
GEORGE MONTGOMERY LOVEJOY, Jr.
HOWARD RAITT STEWART

Schedule

	1915	Opponents
Technology, 1914	11	2
Allen School	15	6*
R. T. H. S.	5	7
Wellesley High	17	5
Cambridge Latin	14	11
Tufts Second	6	15†
Lawrence Academy	2	6
Technology, 1916	8	5
Totals	78	57

Games won, 5; lost, 3

* 5 innings.

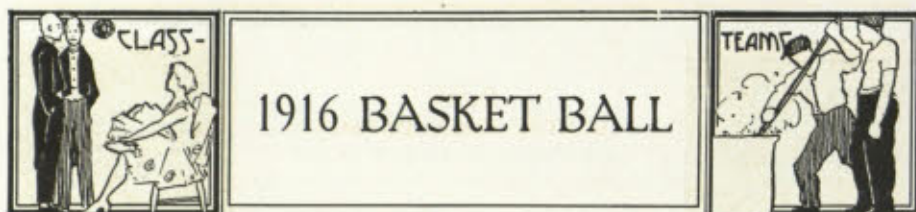
Schedule

	1916	Opponents
Rock Ridge	10	11
Powder Point	3	4
Cushing Academy	0	2
Boston Latin	6	8
Technology, 1915	5	8
Totals	19	25

Games won, 0; lost, 5

† 7 innings.





REYCROFT MERRITT DEWSON ZINER MILLER DEMERITT WYLDE





Captain
HARVEY FIELD DEWSON



Manager
JACOB ISRAEL ZINER

Captain DEWSON

Manager ZINER

Team

ARTHUR GREELEY REYCROFT	Left Forward
JAMES CHARLES MERRITT	Right Forward
HARVEY FIELD DEWSON	Centre
ARTHUR MERKEL MILLER	Left Guard
JOHN EDGAR DEMERITT	Right Guard

Substitutes

JACOB ISRAEL ZINER

WILFRED ARTHUR WYLDE

Schedule

		1916	Opponents
December 19, 1913	Winthrop High at Winthrop	19	28
December 30, 1913	Technology, 1917 at Technology Gym	25	23
January 10, 1914	Dean Academy at Franklin	24	43
January 17, 1914	Quincy Y. M. C. A. at Quincy	26	44
January 24, 1914	Cushing Academy at Ashburnham	10	19
February 21, 1914	Quincy Old Timers at Quincy	28	26

Points for the Season

Technology, 1916, 132

Opponents, 183

Games won, 2; lost, 4





1917 BASKET BALL TEAM



RICHARDSON	KENDALL	RAUSCH	GETCHELL
SCHOONMAKER	FERGUSON	O'BRIEN	GOKEY
			COWLIN





Captain O'BRIEN

Captain

JAMES SHERRY O'BRIEN



Manager RAUSCH

Manager

WILLIAM WARREN RAUSCH

Team

WILLIAM WARREN RAUSCH	Right Forward
FRANK ENSIGN RICHARDSON	Left Forward
NOAH WEBSTER GOKEY	Centre
JAMES SHERRY O'BRIEN	Right Guard
DONALD SARGENT KENDALL	Left Guard

Substitutes

ARTHUR SIDNEY COWLIN
LOUIS ALOYSIUS FERGUSON

JOSEPH ALOYSIUS GARGAN
CARROLL FOSTER GETCHELL

Schedule

		1917	Opponents
November 22, 1913	Wakefield at Wakefield	32	29
December 6, 1913	Oliver Ames School at North Easton	37	20
December 11, 1913	Holliston High at Holliston	28	38
December 19, 1913	Reading High at Reading	24	23
December 30, 1913	Technology, 1916, at Technology Gymnasium	23	25
January 10, 1914	St. John's Prep. at Danvers	34	19
January 14, 1914	Rockland Prep. at Rockland	Forfeited to 1917	
January 20, 1914	Tufts Prep. at Technology Gymnasium	45	15
January 24, 1914	Winchester High at Winchester	37	17
January 31, 1914	Dummer Academy at South Byfield	51	22
February 21, 1914	Dartmouth, 1917, at Hanover	9	43
February 23, 1914	Colby Academy at New London, N.H.	25	30
March 4, 1914	Revere High at Technology Gymnasium	53	15
March 6, 1914	Revere High at Revere	32	20

Points for the Season

Technology, 1917, 430

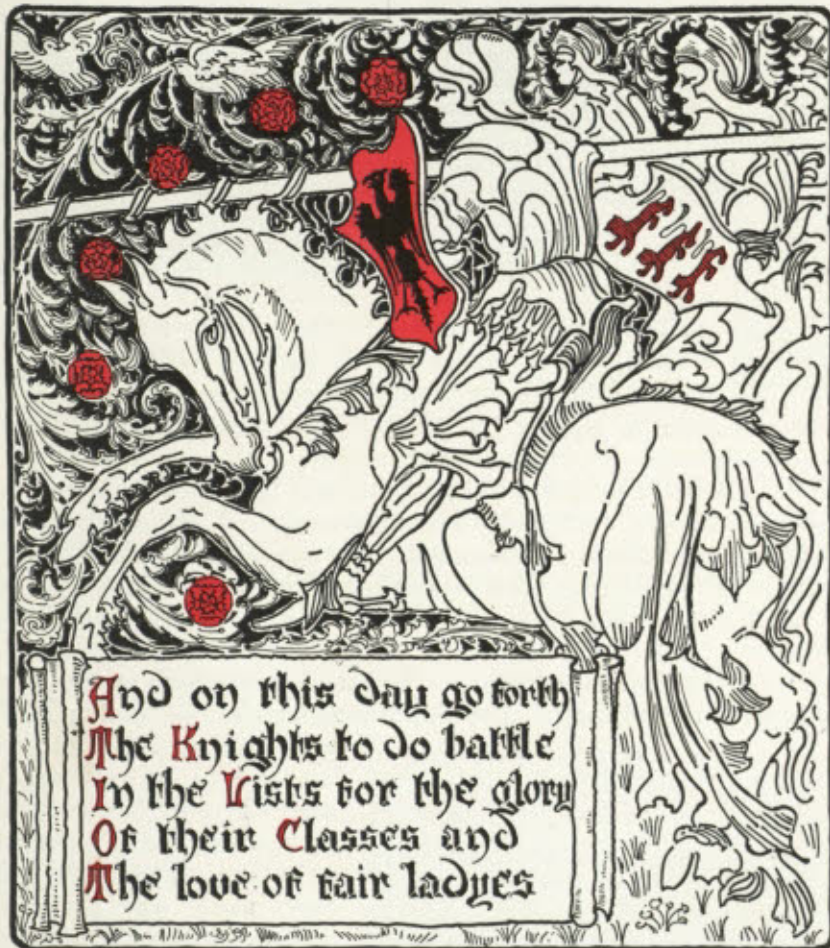
Opponents, 316

Games won, 10; lost, 4





FIELD D. J. 1891



And on this day go forth
The **K**nights to do battle
In the **L**ists for the glory
Of their **C**lasses and
The love of fair ladies



FIELD DAY



Carker



AN UNUSUAL amount of enthusiasm and class spirit marked the Field Day of 1913. The Freshman Class made its appearance at the field in the form of a procession, which snake-danced around to the bleachers, where it broke up amid loud cheering. Shortly after, the Senior parade, headed by "Sousa" Brooks's band, appeared, and sedately made its way to the grandstand.

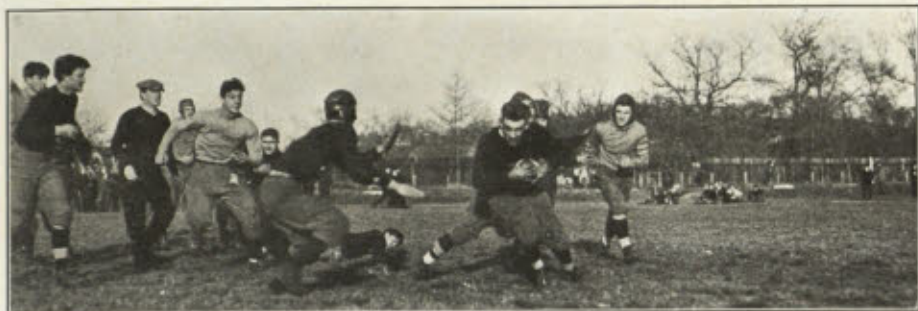
With cheers from their classmates to spur them on, the tug-o'-war teams trotted out and took their positions. At the crack of the pistol, both teams bent to their task. For a moment, the Sophomores appeared to be gaining. The Freshmen quickly settled to their work, and the flag went steadily in their direction, passing the mark in one minute and ten seconds.

Next came the football game. Enthusiasm ran high as the teams lined up for the kick-off. The Sophomores kicked off to the Fresh-



men, and, after a succession of fumbles by both teams, the ball went to the Sophomores on the Freshmen's thirty-yard line. Then the first score was made by Miller, for the Sophomores, after a spectacular run. No goal was kicked, as the ball was allowed to touch the ground on the kick-out.





This failure to kick the goal on the part of the Sophomores later proved to be the point which would have given them the game.

The Sophomores again kicked to the Freshmen, and the ball remained in neutral territory until the end of the period. A fake forward pass was tried by the Freshmen at the beginning of the next period, after which they were forced to punt. This put the ball in the Sophomore's territory, and, after suffering a penalty for off-side, they in turn punted. A long gain by the Freshmen, followed by repeated attacks on the line, gave them first down, with but twenty yards between them and the goal. Enthusiasm ran high among the Freshmen supporters. In three downs the ball was carried over for a touchdown by the Freshmen, tying the score. They failed to kick the goal. The half ended immediately after the kick-off.

After the first half of the football game came the relay race. The race started with Lawrason, '16, at the pole, and Friend, '17, his opponent. A gain of five yards, opened by Lawrason, was increased slightly by the next two runners, but was then cut down by the Freshmen. From this point



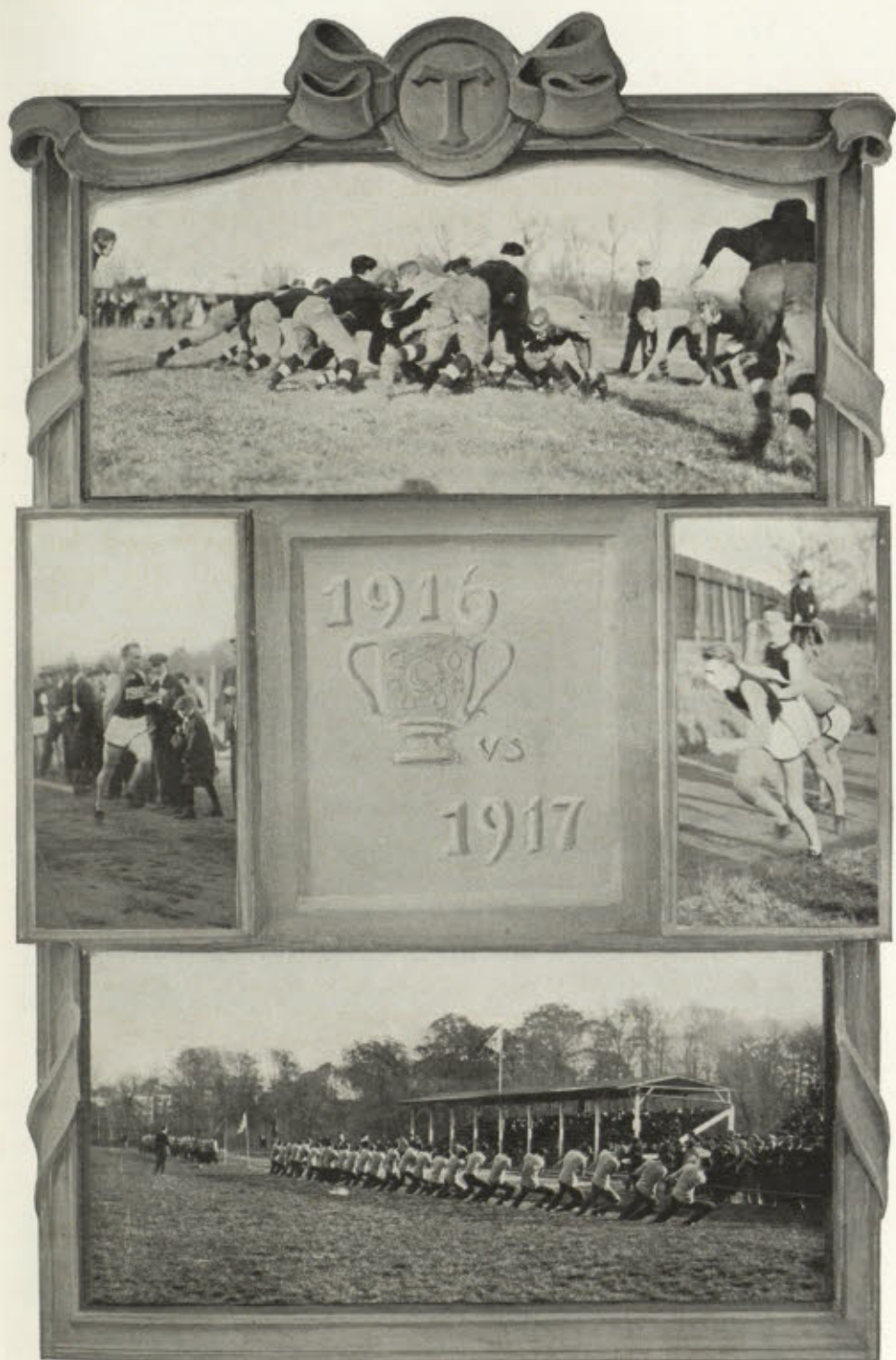
the Freshmen fell steadily back until, at the finish, Loomis, '16, crossed the line, leading by more than thirty yards. The race was run in the record time of four minutes, fifty and two-fifths seconds, better by seven seconds than the record previously made by the Class of 1914.

The excitement was augmented at this point by the arrival of the Technology-Holy Cross cross-country race. The first five runners to finish were Tech men, with Cook the individual winner. The score of the run was twenty-three to sixty-seven in favor of Technology.

The Field Day score now stood three to two in favor of the Sophomores. Only one hope remained to the Freshmen, and that was to win the football game. At the beginning of the second half, the Sophomores kicked to the Freshmen, who were soon forced to punt. On their first down the Sophomores made a gain of twenty yards, but in the next play were thrown for a loss and then punted. The Freshmen then made a long gain, but lost the ball on a fumble. This ended the third period. The teams were very evenly matched, and in the fourth period neither seemed to have the advantage. Forward passes were tried by both teams, but none were successful. The play remained in neutral territory for some time, when the Freshmen tried a goal from the field, but failed to score. The Sophomores carried the ball back some distance and punted. Another forward was attempted by the Freshmen, but was caught by their opponents. In the next play, however, the Freshmen succeeded in blocking a punt, and at the same time carrying the ball back a considerable distance. With the goal but a short distance off, the Freshmen made a successful forward, but at this point the whistle blew, leaving the game a six-to-six tie.

Thus the Class of 1916 won the day. The final score was five to four. A more interesting series of events from a spectator's point of view could not have been imagined, as the competition throughout was exceedingly keen. The contestants of both the classes are to be congratulated upon their exhibition of clean, manly contest, and it is earnestly to be hoped that the spirit that was manifested this year will survive as long as does Field Day.





1916 FOOTBALL TEAM



CLARKESON MILLER LOVEJOY BUXTON REYCROFT KRIGGER SIMPSON
 KAULA ROPER JEWETT HILL DUFF DEWSON SMART
 HUNT DRUMMEY



*Captain*

LUCIUS TUTTLE HILL

Manager

PAUL HENRY BUXTON



Captain HILL

Manager BUXTON

Team

PAUL HARRINGTON DUFF	Left End
LUCIUS TUTTLE HILL	Left Tackle
GEORGE MONTGOMERY LOVEJOY, Jr.	Left Guard
FRANK SHEPARD HUNT	Centre
EDGAR LOUIS KAULA	Right Guard
ANSELMO KRIGGER	Right Tackle
RAYMOND MILES STOWELL	Right End
ROBERT McCLANAHAN ALLEN {	Quarter Back
STEPHEN GERSHAM SIMPSON }	
ARTHUR MERKEL MILLER	Left Half
THEODORE CARTER JEWETT	Right Half
HARVEY FIELD DEWSON	Full Back

Substitutes

EDWARD HALE CLARKSON, Jr.
 WILLIAM WOLFTONE DRUMMEY
 GEORGE HUBERT PETIT

ARTHUR GREELY REYCROFT
 GEORGE ROPER, Jr.
 WILLIAM ERLAND THRASHER

Schedule of Games

		1916	Opponents
October 13, 1913	Wellesley High School at Wellesley	0	21
October 17, 1913	Mechanic Arts School at Brighton	12	7
October 24, 1913	Cambridge Latin School at Cambridge	10	14
October 31, 1913	Boston Latin School at South End	12	0
November 7, 1913	Technology 1917 at Technology Field	7	7

Points for the Season

Technology 1916, 41

Opponents, 49



1917 FOOTBALL TEAM



STROUT ATKINS STORY ROWE TUTTLE JOHNSON WELLCOME
 LEE FERGUSON FARNSWORTH WHITNEY GOULD
 BABBITT WOOD BELL





Captain
AUGUSTUS PAGE FARNSWORTH



Manager
ARTHUR KINDRED ATKINS

Captain FARNSWORTH

Manager ATKINS

Team

WALTER CROMWELL WOOD	Left End
JACOB STORY	Left Tackle
WILLIAM FRANK JOHNSON	Left Guard
DUDLEY EDWARDS BELL	Center
STEPHEN MEAD LEE	Right Guard
PHILIP NICHOLAS ROWE	Right Tackle
JOHN HANCOCK BABBITT	Right End
AUGUSTUS PAGE FARNSWORTH	Quarter Back
DWIGHT PARROTT THOMPSON	Left Half Back
CLIFFORD DILLAWAY WINTON	Right Half Back
PRESCOTT WILDER GOULD	Full Back

Substitutes

FRANCIS PUTNAM BILL	HENRY ELMER STROUT, Jr.
LOUIS ALOYSIUS FERGUSON	WILLIAM FLETCHER TUTTLE
WALTER HARRINGTON	HERBERT EUGENE WELLCOME
GILBERT AGNEW HUNT	RICHARD THOMPSON WHITNEY

Schedule of Games

		1917	Opponents
October 13, 1913	Somerville High School at Somerville	0	13
October 18, 1913	St. John's School at Danvers	0	21
October 29, 1913	Lowell Textile School at Lowell	0	0
November 7, 1913	Technology 1916 at Technology Field	6	6

Points for the Season

Technology, 1917, 6

Opponents, 40



1916 RELAY TEAM



COMISKY	REID	LAPHAM	LIEBER	KITTREDGE	LAWRASON
PAGE	REED	LOOMIS	UHLINGER	DEAN	
	HAYES	HINE	GOLDSTEIN		





Captain Loomis, 1916

Captains

CHARLES W. LOOMIS, 1916
WILLIAM A. SULLIVAN, 1917

Managers

JAMES P. UHLINGER, 1916
DONALD O. FRIEND, 1917



Manager UHLINGER, 1916

Teams

1916

DANIEL LOUIS COMISKEY
KEMERTON DEAN
EDWIN JACOB GOLDSSTEIN
OLIN HENRY HAYES
TREDICK KITTREDGE HINE
SAMUEL LAPHAM, Jr.
LEVERING LAWRASON
ALBERT CARL LIEBER, Jr.
CHARLES WHEELER LOOMIS
ARVIN PAGE
CHARLES SUMNER REED
GEOFFREY LAURENCE REID

1917

FREDERICK BERNARD
KIRKLAND HART DAY
CARLTON MILES DEAN
JAMES WILLIAM DOON
ROBERT CURTIS ERB
DONALD OSBORNE FRIEND
HARTLEY BURTON GARDNER
PHILIP EDWIN HULBURD
FRANCIS PATRICK O'HARA
HAROLD QUILHOT
WILLIAM ALOYSIUS SULLIVAN
LESTER ALBERT WILLIAMS

Substitutes

GEORGE DAVIS KITTREDGE
JAMES PHILIP UHLINGER

JOSEPH HERMAN AXTMAYER
BENJAMIN MORRIS BOND

RELAY RACE

Technology Field

Distance, 1 1-2 miles

November 7, 1913

Won by 1916

New record for the race, time, 4 min. 50 2-5 secs.



1917 TUG-O'-WAR



	ALTHOUSE	WYMAN	SCHOONMAKER	SULLIVAN	
HANCHETT		HANNAH	CURTIN	BROOKS	SWAIN
	SMITH		WOOD	O'BRIEN	WOOD
PERKINS		LOWENGARD	CANBY	GARTNER	TOURTELLOTTE
	TUTTLE		LOVENBERG	NIELSON	RAMSBOTTOM





Captain O'BRIEN, 1917

Captains

NELSON MACRAE, 1916
JAMES S. O'BRIEN, 1917

Managers

KENNETH M. SULLY, 1916
HAMILTON L. WOOD, 1917



Manager WOOD, 1917

1916

STEVEN ROSS BERKOWITZ
HORACE LESLEY BICKFORD
RAYMOND HALL BLANCHARD
L'ROCHE GEORGE BOUSQUET
ROBERT SAMUEL BURNAP
MORGAN PUTNAM CURTIS
HERBERT WILLIAM ELLIS
RALPH ANDREW FLETCHER
JOHN RIPLEY FREEMAN, Jr.
HAROLD CHIPMAN FULLER
HERBERT GFROERER
HOWARD ALBERT HANDS
HARVEY WHEELER JACKSON
THOMAS GREEN JEWETT
NELSON MACRAE
THOMAS FRANCIS MCSWEENEY
MERRICK ATHERTON MONROE
HAROLD EVERETT MORSE
HENRY PALMER PINKHAM
FRANK DOUGLAS ROSS
HAROLD RUSSELL
CARLTON JERNEGAN SPEAR
BRUCE NEGUS STIMETS
HARVEY CHASE STOCKING
DONALD ELIOT WOODBRIDGE

Teams

1917

ALFRED KUTZ ALTHOUSE
RALPH FREDERICK FLEMING BROOKS
ENOS WETTLAUER CURTIN
STANLEY COVERT DUNNING
WALTER CHRISTIAN FREDERICK GARTNER
THOMAS EWING HANNAH
DONALD SARGENT KENDALL
ALBERT MICHAEL LOVENBERG
RICHARD OTTO LOWENGARD
WALTER LYMAN MEDDING
OTTO ELIAS NIELSEN
JAMES SHERRY O'BRIEN
OSCAR RUDOLPH PETERSON
JOHN RAYMOND RAMSBOTTOM
GORDON WILSON RUSSELL
LUCAS ELMENDORF SCHOONMAKER
RAYMOND SLACK SMITH
GEORGE RADCLIFFE STEVENS
ALAN PORTER SULLIVAN
DONALD NEWMAN SWAIN
NEAL EVERETT TOURTELLOTTE
ALBERT EDWARD TUTTLE
HAMILTON LANSDOWNE WOOD
WALTER ALBERT WOOD
LOUIS ERNST WYMAN

Substitutes

STEWART KEITH
CHARLES SALISBURY MAKEPEACE

LOUIS WAITE PERKINS
RUSSELL HOLBROOK WHEATLEY

Counter

HAROLD ELLSWORTH AYER

ALBERT THRESHER CANBY

Tug-o'-War: Technology Field, November 7, 1913

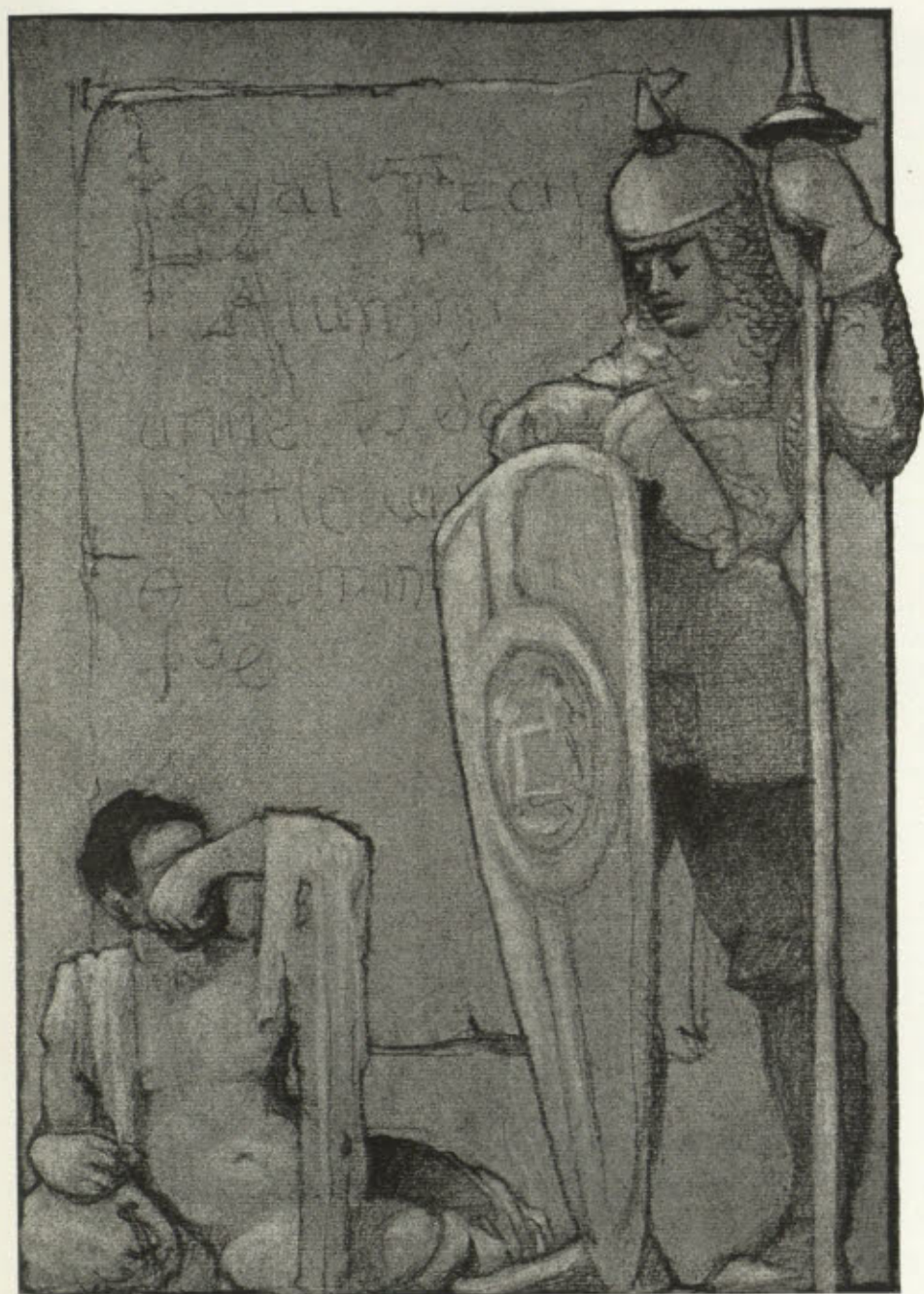
First Pull won by 1917
Time, 1 min. 10 secs.

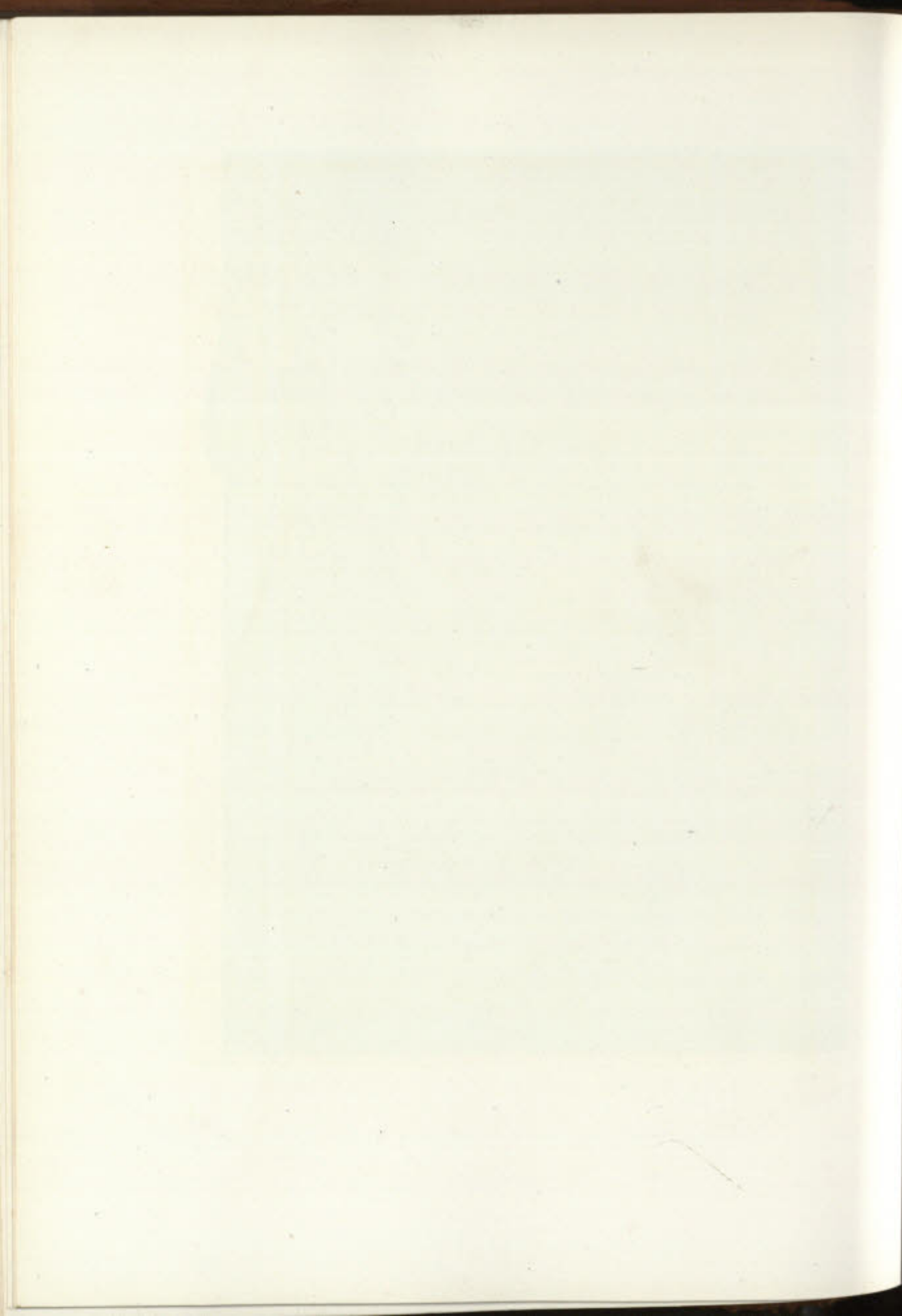
Second Pull won by 1917
Time, 1 min. 31 secs.

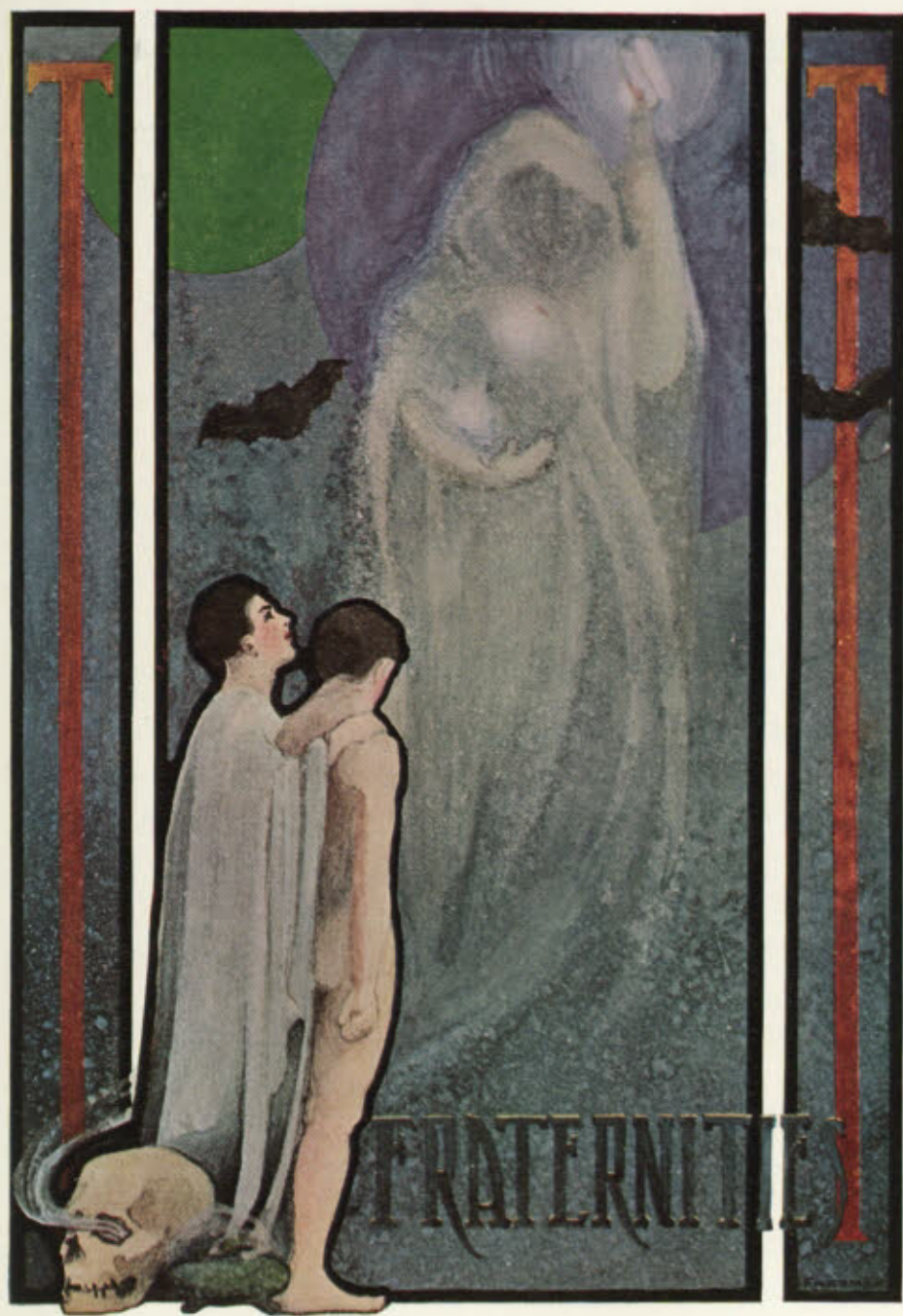
Record Pull held by 1915
Time, 23 4-5 secs.



AFTER a more or less dormant period under Mr. Crafts, came one of the most important periods in the history of Technology. It was under President Henry S. Pritchett that the Tech Alumni were organized. Having awakened within them the spirit of chivalry, they came forth as one body to do battle with a common foe, stripped him of his disguise, and saved for Tech its name and honor for all time.







THE GREEK LETTER FRATERNITIES
at the Massachusetts Institute of Technology
arranged in the order of their final establishment

SIGMA CHI
THETA XI
DELTA PSI
CHI PHI
DELTA KAPPA EPSILON
PHI BETA EPSILON
DELTA UPSILON
SIGMA ALPHA EPSILON
DELTA TAU DELTA
PHI GAMMA DELTA
PHI SIGMA KAPPA
THETA CHI
PHI KAPPA SIGMA
ALPHA TAU OMEGA
THETA DELTA CHI
LAMBDA PHI
ZETA BETA TAU
DELTA KAPPA PHI
LAMBDA CHI ALPHA
BETA THETA PI

SIGMA CHI

CHAPTER ROLL

1855	Alpha	Miami University	Oxford, Ohio
1855	Beta	University of Wooster	Wooster, Ohio
1855	Gamma	Ohio Wesleyan University	Delaware, Ohio
1872	Delta	University of Georgia	Athens, Ga.
1864	Epsilon	George Washington University	Washington, D.C.
1866	Zeta	Washington and Lee University	Lexington, Va.
1857	Eta	University of Mississippi	University, Miss.
1863	Theta	Pennsylvania College	Gettysburg, Pa.
1864	Kappa	Bucknell University	Lewisburg, Pa.
1858	Lambda	Indiana University	Bloomington, Ind.
1868	Mu	Denison University	Granville, Ohio
1859	Xi	De Pauw University	Greencastle, Ind.
1859	Omicron	Dickinson College	Carlisle, Pa.
1866	Rho	Butler College	Indianapolis, Ind.
1867	Phi	Lafayette College	Easton, Pa.
1871	Chi	Hanover College	Hanover, Ind.
1860	Psi	University of Virginia	University, Va.
1869	Omega	Northwestern University	Evanston, Ill.
1892	Alpha Alpha	Hobart College	Geneva, N.Y.
1886	Alpha Beta	University of California	Berkeley, Cal.
1882	Alpha Gamma	Ohio State University	Columbus, Ohio
1883	Alpha Epsilon	University of Nebraska	Lincoln, Neb.
1882	Alpha Zeta	Beloit College	Beloit, Wis.
1881	Alpha Eta	Iowa University	Iowa City, Ia.
1882	Alpha Theta	Massachusetts Institute of Technology	Boston, Mass.
1883	Alpha Iota	Illinois Wesleyan University	Bloomington, Ill.
1884	Alpha Lambda	University of Wisconsin	Madison, Wis.
1884	Alpha Nu	University of Texas	Austin, Tex.
1884	Alpha Xi	University of Kansas	Lawrence, Kan.
1886	Alpha Omicron	Tulane University	New Orleans, La.
1886	Alpha Pi	Albion College	Albion, Mich.
1893	Alpha Rho	Lehigh University	Bethlehem, Pa.
1888	Alpha Sigma	University of Minnesota	Minneapolis, Minn.
1889	Alpha Upsilon	University of Southern California	Los Angeles, Cal.
1890	Alpha Phi	Cornell University	Ithaca, N.Y.
1891	Alpha Chi	Pennsylvania State College	State College, Pa.
1891	Alpha Psi	Vanderbilt University	Nashville, Tenn.
1891	Alpha Omega	Leland Stanford, Jr., University	Stanford University, Cal.
1905	Beta Gamma	Colorado College	Colorado Springs, Col.
1907	Beta Delta	University of Montana	Missoula, Mont.
1876	Delta Delta	Purdue University	Lafayette, Ind.
1876	Zeta Zeta	Central University	Danville, Ky.
1882	Zeta Psi	University of Cincinnati	Cincinnati, Ohio
1893	Eta Eta	Dartmouth College	Hanover, N.H.
1897	Theta Theta	University of Michigan	Ann Arbor, Mich.
1891	Kappa Kappa	University of Illinois	Champaign, Ill.
1893	Lambda Lambda	Kentucky State College	Lexington, Ky.
1895	Mu Mu	West Virginia University	Morgantown, W. Va.
1894	Nu Nu	Columbia University	New York, N.Y.
1896	Xi Xi	University of Missouri	Columbia, Mo.
1897	Omicron, Omicron	University of Chicago	Chicago, Ill.
1902	Rho Rho	University of Maine	Orono, Me.
1903	Tau Tau	Washington University	St. Louis, Mo.
1903	Upsilon Upsilon	University of Washington	Seattle, Wash.
1896	Phi Phi	University of Pennsylvania	Philadelphia, Pa.
1904	Psi Psi	Syracuse University	Syracuse, N.Y.

1905	Omega Omega . .	University of Arkansas	Fayetteville, Ark.
1908	Beta Epsilon . .	University of Utah	Salt Lake City, Utah
1909	Beta Zeta	University of North Dakota	Grand Forks, N.D.
1880	Delta Chi	Wabash University	Crawfordsville, Ind.
1909	Beta Eta	Case School of Applied Science	Cleveland, Ohio
1909	Beta Theta	Pittsburg University	Pittsburg, Pa.
1910	Beta Iota	University of Oregon	Eugene, Ore.
1912	Beta Kappa	University of Oklahoma	Norman, Okla.
1912	Beta Lambda . . .	Trinity College	Durham, N.C.

SIGMA CHI

Alpha Theta Chapter

Established 1882

Frater in Facultate

WILLIAM ELGIN WICKENDEN

Fratres

Post Graduate

CARL NATHANIEL ANDERSON

1914

FRANK CARL BALKE
GERALD HYDE BEARD
JOHN GEORGE KELLY, Jr.
EDWARD WILLIAM LARKIN
ERALBERT TALMADGE MILLER

EARL MORTIMER NEWLIN
JOHN ALDEN ROOT
ARTHUR POPE SHEPARD
WILLIAM CARLTON SHORT
ANGUS VAN ANSDAL SWIFT

1915

HORATIO WHITEMORE BROWN
RUSH BOYD CADY
VIKING ENEBUSKE

ARTHUR CLARK HAWGOOD
WILLIAM JENNINGS
OLIVER GORE NORTON

1916

ROBERT McCLANAHAN ALLEN
EDWARD HALE CLARKSON

MURRAY GENSEL GRAFF
FRANK BOWMAN HASTIE

KENNETH MURCHESON SULLY

1917

CYRIL MATHEWS ANGELL
ALBERT THRESHER CANBY
ENOS WETTLAUFER CURTIN

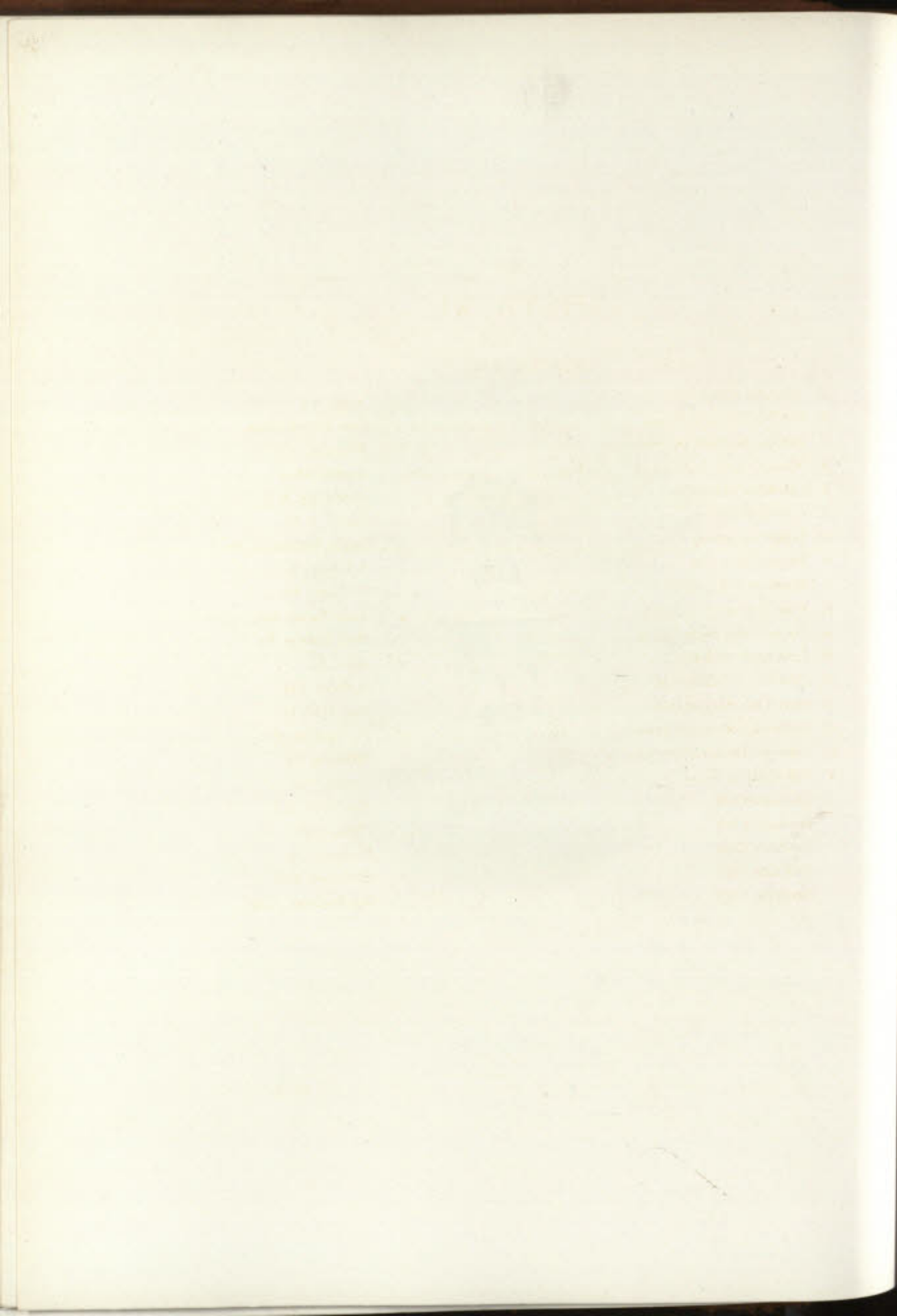
CHARLES M. EWAN
FRED FLECHNER GLEN
PAUL COOLIDGE LEONARD

LEON LEMPERT McGRADY

1067 Beacon Street



Illustration by J. H. P.



THETA XI

CHAPTER ROLL

A	Rensselaer Polytechnic Institute	Troy, N.Y.
B	Sheffield Scientific School	New Haven, Conn.
Γ	Stevens Institute of Technology	Hoboken, N.J.
Δ	Massachusetts Institute of Technology	Boston, Mass.
E	Columbia University	New York, N.Y.
Z	Cornell University	Ithaca, N.Y.
H	Lehigh University	South Bethlehem, Pa.
Θ	Purdue University	Lafayette, Ind.
I	Washington University	St. Louis, Mo.
K	Rose Polytechnic Institute	Terre Haute, Ind.
Λ	Pennsylvania State College	State College, Pa.
M	Iowa State College	Ames, Ia.
N	University of California	Berkeley, Cal.
Ξ	State University of Iowa	Iowa City, Ia.
O	University of Pennsylvania	Philadelphia, Pa.
Π	Carnegie Technical Institute	Pittsburg, Pa.
P	University of Texas	Austin, Tex.
	Graduate Club	New York, N.Y.
	Graduate Club	Chicago, Ill.
	Graduate Club	Pittsburg, Pa.
	Graduate Club	Baltimore, Md.
	Graduate Club	San Francisco, Cal.

THETA XI

Delta Chapter

Established 1885

Fratres in Facultate

HARRISON WASHBURN HAYWARD

HENRY GREENLEAF PEARSON

HAROLD PENDER

Fratres

Post Graduate

MAX HOUGHTON HARRINGTON

HERBERT JOHN VON ROSENBERG

1914

CHARLES JEFFERSON DAVIS, Jr.

WELTON AMES SNOW

ROBERT VOSE TOWNEND

1915

WALTER SCOTT AIKEN

LAURENCE PATTEN GEER

JOHN HOMAN

1916

PAUL HARRINGTON DUFF

HOWARD FASKER EVANS

TREDICK KITTREDGE HINE

ALBERT HOLMES

ALBERT CARL LIEBER, Jr.

WILLIAM CANTWELL McDONALD

JAMES GREENWOOD McDUGALL

HAROLD EVERETT MORSE

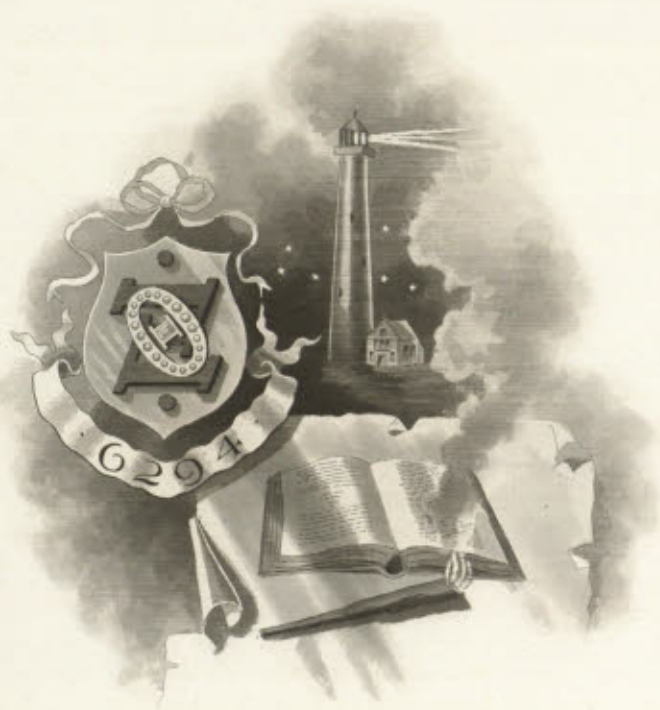
GEORGE ALBERT SWEET

CHARLES HILDRETH WOOLLEY

1917

DAVID EVERETT WAITE

283 Newbury Street



ELIOTT FROST.



DELTA PSI

CHAPTER ROLL

Alpha	Columbia University
Delta	University of Pennsylvania
Epsilon	Trinity College
Lambda	Williams College
Phi	University of Mississippi
Upsilon	University of Virginia
Sigma	Sheffield Scientific School, Yale
Tau	Massachusetts Institute of Technology

DELTA PSI

Tau Chapter

Established 1889

Fratres

1915

DONALD WILLIS DOUGLAS
EDWARD RUDOLF GRUEBER
EDWARD REYNOLDS HALL
GREVILLE GEORGE ALEXANDER HASLAM
JOHN MARTINIS
HENRY JAMES GRAY RUDOLF
JOHN RICHARDS LONG SANTOS
WERNER THEODORE SCHAURTE

1916

HARRY BURBANK WESSON
ELLERY CHANNING WOOD

1917

DAVID ATWATER
JOSEPH TALMAGE WOODRUFF BATTIS
WOLFRAM ALEXANDER FÜTTERER
JOHN CHENEY PLATT
RUSSEL WIRT ROBINSON

Charles River Road



SCOTT & PINE

CHI PHI

CHAPTER ROLL

A	University of Virginia	Charlottesville, Va.
B	Massachusetts Institute of Technology	Boston, Mass.
Γ	Emory College	Oxford, Ga.
Δ	Rutgers College	New Brunswick, N.J.
E	Hampden-Sydney College	Hampden-Sydney, Va.
Z	Franklin and Marshall College	Lancaster, Pa.
H	University of Georgia	Athens, Ga.
Θ	Rensselaer Polytechnic Institute	Troy, N.Y.
I	Ohio State University	Columbus, Ohio
A	University of California	Berkeley, Cal.
M	Stevens Institute of Technology	Hoboken, N.J.
N	University of Texas	Austin, Texas
Ξ	Cornell University	Ithaca, N.Y.
O	Sheffield Scientific School, Yale University	New Haven, Conn.
P	Lafayette College	Easton, Pa.
Σ	University of Illinois	Champaign, Ill.
Φ	Amherst College	Amherst, Mass.
X	Dartmouth College	Hanover, N.H.
Ψ	Lehigh University	South Bethlehem, Pa.
Ω	Georgia School of Technology	Atlanta, Ga.
AX	Ohio Wesleyan University	Delaware, Ohio

CHI PHI

Beta Chapter

Established 1890

Fratres

1914

ARTHUR BIRCHARD DE WITT
THEODORE HERVEY GUETHING
ALEXANDER GOTWALD LONG, Jr.
FREDERICK DUNLAP MENDENHALL
GEORGE EDWARD WHITWELL

1915

ARTHUR HAZARD BOND
ALFRED VICTOR COLEMAN
THOMAS AMORY DEBLOIS FESSENDEN
JAMES BROWN FRANKS, Jr.
FRANCIS CHANDLER FOOTE
JOHN SMALLBROOK HOWKINS
GEORGE JACKSON MEADE
CHARLES BOOTH MALONE, Jr.
DONALD MARION McRAE

1916

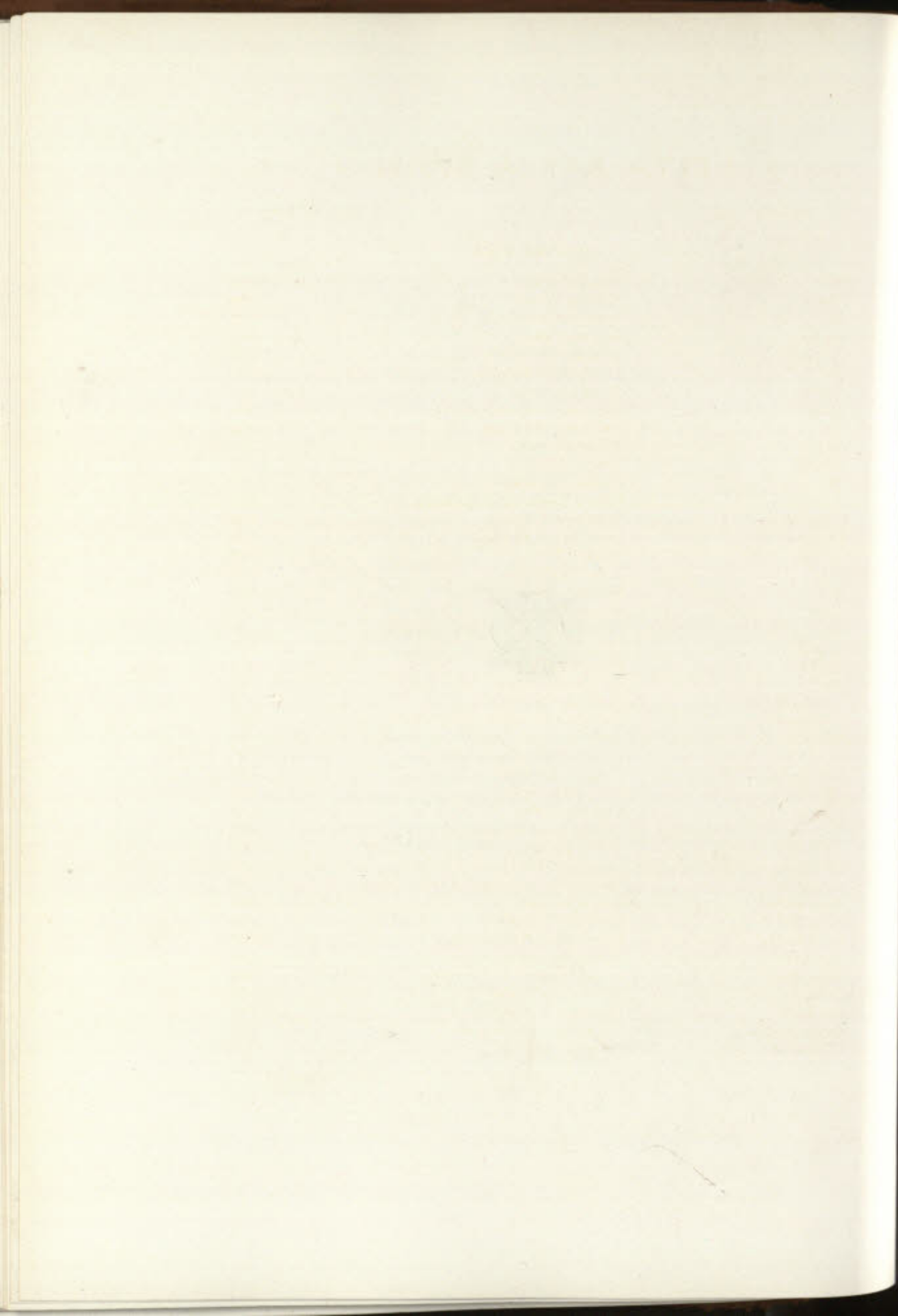
THOMAS D'ARCY BROPHY
CARL THEODORE GUETHING
THEODORE CARTER JEWETT
EUGENE WILLETT VAN COURT LUCAS, Jr.
NELSON MacRAE
GEORGE ROPER, Jr.

1917

HAMISH ALLAN
FRANCIS VICTOR DU PONT
HAROLD YOUNG KEELER
JULIUS LOUIS WETTLAUER
CLIFFORD DILLAWAY WINTON

44 *The Fenway*





DELTA KAPPA EPSILON

Established 1844

Yale University

CHAPTER ROLL

Phi	Yale University	1844
Theta	Bowdoin College	1844
Xi	Colby University	1845
Sigma	Amherst College	1846
Gamma	Vanderbilt University	1847
Psi	University of Alabama	1847
Upsilon	Brown University	1850
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 University	1856
Nu	College of the City of New York	1856
Beta Phi	University of Rochester	1856
Phi Chi	Rutgers College	1861
Psi Phi	De Pauw University	1866
Gamma Phi	Wesleyan University	1867
Psi Omega	Rensselaer Polytechnic Institute	1867
Beta Chi	Adelbert College	1868
Delta Chi	Cornell University	1870
Delta Delta	Chicago University	1870
Phi Gamma	Syracuse University	1871
Gamma Beta	Columbia College	1874
Theta Zeta	University of California	1876
Alpha Chi	Trinity College	1879
Phi Epsilon	University of Minnesota	1889
Sigma Tau	Massachusetts Institute of Technology	1890
Tau Lambda	Tulane University	1898
Alpha Phi	University of Toronto	1898
Delta Kappa	University of Pennsylvania	1899
Tau Alpha	McGill University	1901
Sigma Rho	Leland Stanford, Jr., University	1902
Delta Pi	University of Illinois	1904
Rho Delta	University of Wisconsin	1907
Kappa Epsilon	University of Washington	1910
Omega Chi	University of Texas	1913

DELTA KAPPA EPSILON

Sigma Tau Chapter

Established 1890

Fratres in Facultate

ALFRED EDGAR BURTON

MAURICE DeKAY THOMPSON, Jr.

WALTER HUMPHREYS

Fratres

1914

ROSWELL FORMAN BARRATT
ELMER ELLSWORTH DAWSON, Jr.
DEAN ABNER FALES
ROGER MORSE FREEMAN
EGBERT CHARLES HADLEY
NORMAN DOUGLAS MACLEOD
ERIC WIER MASON
PAUL BARRY OWEN
RALPH DEWEY SALISBURY
ROSSLYN SMYTHE-MARTIN
RALPH EVANS WELLS, Jr.

1915

HAROLD RYDER CROWELL
MARVIN JAMES DODD
EDWIN BURPEE GOODELL, Jr.
JAMES WINN McCLURE
ARTHUR WARREN MUDGE, Jr.
GEORGE LINCOLN SKOLFIELD, Jr.
WALLACE SENTENY THOMAS

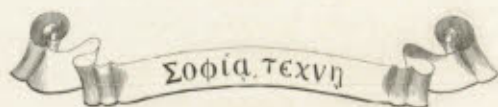
1916

HOVEY THOMAS FREEMAN
JOHN RIPLEY FREEMAN, Jr.
LEE HALL JONES
CHARLES ROGERS LORD
KNIGHT BARRY OWEN
ALFRED HUGO SCHOELLKOPF
CHARLES PARKER WALLIS
HOWARD HAWLEY WELLS

1917

LOUIS ALOYSIUS FERGUSON, Jr.
CHARLES HART LEEPER
FRANCIS PATRICK O'HARA
DONALD GREENE TARPLEY

215 Newbury Street



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PHI BETA EPSILON

Local at Technology

ESTABLISHED 1890

PHI BETA EPSILON

Fratres

1914

GERALD WALTER BLAKELEY
SAMUEL BRECK, Jr.
GERALD MARCY KEITH
JOHN CABLE MORSE
LYLE MERTON RICHARDSON
EDWARD CURTIS TAYLOR

1915

WILLIAM ARNOLD HOUSER
TERENCE ROY JOHNSTON
JOSEPH MASON LIVERMORE
FORREST GRANVILLE PURINTON
DAVID PEARSON ROGERS
ARTHUR ROLLIN STUBBS
PERCIVAL McCENEY WERLICH

1916

JASPER BLANCHARD CARR
GEORGE ROOT DURYEA
EDWARD FOSTER HEWINS
EDGAR LOUIS KAULA
EDWIN THAYER MACBRIDE
HOWARD GROVER MANN
RALPH MILLIS
WILLIAM LARDNER OGDEN
SIMPSON PARKINSON
DONALD BLAKE WEBSTER

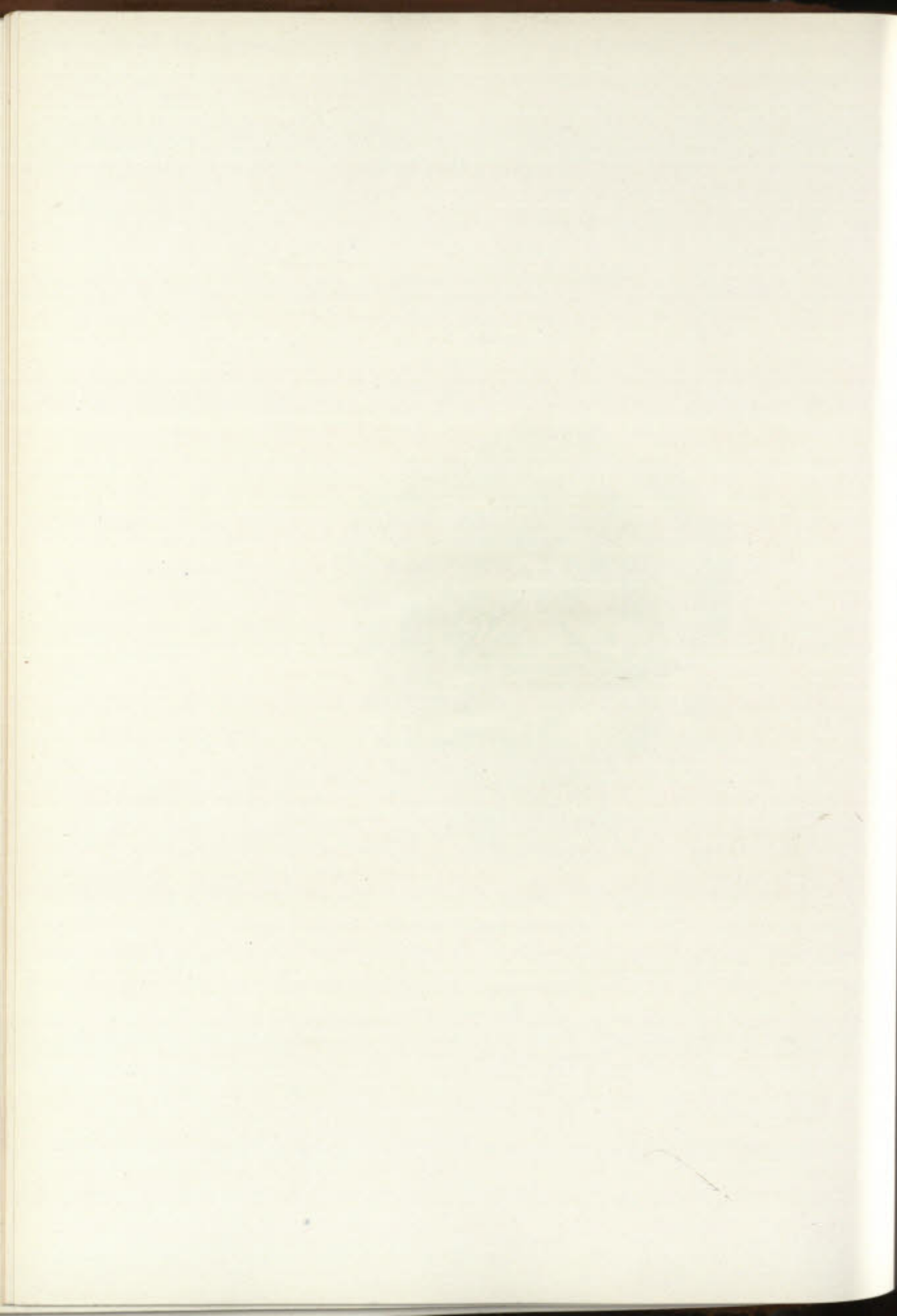
1917

MILES ELIJAH DEMOND
PRESCOTT WILDER GOULD
HANS FRIEDRICH BERNHARD ROESSLER
RICHARD PATTIN WARE
LOUIS ERNST WYMAN

237 Beacon Street



ELLIOTT & FRY.



DELTA UPSILON

Established at Williams, 1894

CHAPTER ROLL

1834	Williams	Williamstown, Mass.
1838	Union	Schenectady, N.Y.
1847	Hamilton	Clinton, N.Y.
1847	Amherst	Amherst, Mass.
1847	Western Reserve	Cleveland, Ohio
1852	Colby	Waterville, Me.
1852	Rochester	Rochester, N.Y.
1856	Middlebury	Middlebury, Vt.
1857	Bowdoin	Brunswick, Me.
1858	Rutgers	New Brunswick, N.J.
1860	Brown	Providence, R.I.
1865	Colgate	Hamilton, N.Y.
1865	New York	New York City
1868	Miami	Oxford, Ohio
1869	Cornell	Ithaca, N.Y.
1870	Marietta	Marietta, Ohio
1873	Syracuse	Syracuse, N.Y.
1876	Michigan	Ann Arbor, Mich.
1880	Northwestern	Evanston, Ill.
1880	Harvard	Cambridge, Mass.
1885	Wisconsin	Madison, Wis.
1885	Lafayette	Easton, Pa.
1885	Columbia	New York City
1885	Lehigh	South Bethlehem, Pa.
1886	Tufts	West Somerville, Mass.
1887	De Pauw	Greencastle, Ind.
1888	Pennsylvania	Philadelphia, Pa.
1890	Minnesota	Minneapolis, Minn.
1891	Technology	Boston, Mass.
1893	Swarthmore	Swarthmore, Pa.
1896	California	Berkeley, Cal.
1896	Leland Stanford, Jr.	Palo Alto, Cal.
1898	Nebraska	Lincoln, Neb.
1898	McGill	Montreal, Can.
1899	Toronto	Toronto, Can.
1901	Chicago	Chicago, Ill.
1904	Ohio State	Columbus, Ohio
1905	Illinois	Champaign, Ill.
1910	Washington	Seattle, Wash.
1911	Pennsylvania State	State College, Pa.
1913	Iowa State	Ames, Ia.

DELTA UPSILON

Technology Chapter

Established 1891

Fratres

1914

PHILIP ALDEN RUSSELL
GALE COLBURN SHEDD
ROBERT WALCOTT WEEKS

1915

FREDERICK AUGUSTUS WILLIAM DAVIS
FRANCIS FISHER FULTON
JOHN SEARS GALLAGHER
SIGURD TRYGVE HELSETH
EDWARD JOSLIN KINGSBURY
ARTHUR TAPLEY MUNYAN
KENNETH WARREN ROY

1916

CHARLES SUMNER REED
WILLIAM MCINTYRE SHAKESPEARE
CARLTON JERNEGAN SPEAR
JOHN WESLEY STAFFORD
WILLIAM ROBERTS WILLETTS, Jr.

1917

WALTER JAY BEADLE
FREDERICK BERNARD
FRANCIS PUTNAM BILL
EDWARD PENNELL BROOKS
ARTHUR EDWARD DOWELL
RICHARD HARDWICK
CLAUDIUS HENRY MASTIN ROBERTS

1069 Beacon Street



SIGMA ALPHA EPSILON

Founded in 1856 at Alabama State University, Tuscaloosa, Ala.

CHAPTER ROLL

Maine Alpha	University of Maine	Orono, Me.
Massachusetts Iota Tau	Massachusetts Institute of Technology	Boston, Mass.
Massachusetts Beta Upsilon	Boston University	Boston, Mass.
Massachusetts Gamma	Harvard University	Cambridge, Mass.
Massachusetts Delta	Worcester Polytechnic Institute	Worcester, Mass.
New Hampshire Alpha	Dartmouth College	Hanover, N.H.
New York Alpha	Cornell University	Ithaca, N.Y.
New York Mu	Columbia University	New York, N.Y.
New York Sigma Phi	St. Stephens College	Annandale, N.Y.
Pennsylvania Omega	Allegheny College	Meadville, Pa.
Pennsylvania Sigma Phi	Dickinson College	Carlisle, Pa.
Pennsylvania Alpha Zeta	Pennsylvania State College	State College, Pa.
Pennsylvania Zeta	Bucknell University	Lewisburg, Pa.
Pennsylvania Delta	Gettysburg College	Gettysburg, Pa.
Pennsylvania Theta	University of Pennsylvania	Philadelphia, Pa.
Virginia Omicron	University of Virginia	Charlottesville, Va.
Virginia Sigma	Washington and Lee University	Lexington, Va.
Washington City Rho	George Washington University	Washington, D.C.
North Carolina Xi	University of North Carolina	Chapel Hill, N.C.
North Carolina Theta	Davidson College	Davidson, N.C.
South Carolina Gamma	Wofford College	Spartansburg, S.C.
Georgia Beta	University of Georgia	Athens, Ga.
Georgia Psi	Mercer University	Macon, Ga.
Georgia Epsilon	Emory College	Oxford, Ga.
Georgia Phi	Georgia School of Technology	Atlanta, Ga.
Michigan Iota Beta	University of Michigan	Ann Arbor, Mich.
Michigan Alpha	Adrian College	Adrian, Mich.
Ohio Sigma	Mount Union College	Alliance, Ohio
Ohio Delta	Ohio Wesleyan University	Delaware, Ohio
Ohio Epsilon	University of Cincinnati	Cincinnati, Ohio
Ohio Theta	Ohio State University	Columbus, Ohio
Ohio Rho	Case School of Applied Science	Cleveland, Ohio
Indiana Alpha	Franklin College	Columbus, Ind.
Indiana Beta	Purdue University	Lafayette, Ind.
Illinois Psi Omega	Northwestern University	Evanston, Ill.
Illinois Beta	University of Illinois	Champaign, Ill.
Illinois Gamma	University of Chicago	Chicago, Ill.
Kentucky Kappa	Central University	Richmond, Ky.
Kentucky Iota	Bethel College	Russellville, Ky.
Kentucky Epsilon	Kentucky State College	Lexington, Ky.
Tennessee Zeta	Southwestern Presbyterian University	Clarksville, Tenn.
Tennessee Lambda	Cumberland University	Lebanon, Tenn.
Tennessee Mu	Vanderbilt University	Nashville, Tenn.
Tennessee Kappa	University of Tennessee	Knoxville, Tenn.
Tennessee Omega	University of the South	Sewanee, Tenn.
Tennessee Eta	Southwestern Baptist University	Jackson, Tenn.
Alabama Mu	University of Alabama	Tuscaloosa, Ala.
Alabama Iota	Southern University	Greensboro, Ala.
Alabama Alpha Mu	Alabama Polytechnic Institute	Auburn, Ala.
Mississippi Gamma	University of Mississippi	Oxford, Miss.
Missouri Alpha	University of Missouri	Columbia, Mo.
Missouri Beta	Washington University	St. Louis, Mo.
Nebraska Lambda Pi	University of Nebraska	Lincoln, Neb.

Arkansas Alpha Upsilon	University of Arkansas	Fayetteville, Ark.
Kansas Alpha	University of Kansas	Lawrence, Kan.
Iowa Beta	Iowa State University	Iowa City, Ia.
Texas Rho	University of Texas	Austin, Tex.
Colorado Chi	University of Colorado	Boulder, Col.
Colorado Zeta	Denver University	Denver, Col.
Colorado Gamma	Colorado School of Mines	Golden, Col.
California Alpha	Leland Stanford, Jr., University	Palo Alto, Cal.
California Beta	University of California	Berkeley, Cal.
Louisiana Tau Upsilon	Tulane University	New Orleans, La.
Louisiana Epsilon	Louisiana State University	Baton Rouge, La.
Minnesota Alpha	University of Minnesota	Minneapolis, Minn.
Wisconsin Alpha	University of Wisconsin	Madison, Wis.
Oklahoma Kappa	University of Oklahoma	Norman, Okla.

SIGMA ALPHA EPSILON

Massachusetts Iota Tau Chapter

Established 1892

Frater in Facultate

WILLIAM THOMAS HALL

Fratres

1914

GEORGE ALBERT BEACH
JAMES STANLEY CHURCHILL

ARTHUR CALBRAITH DORRANCE
GORDON ROGERS JAMESON

1915

WALTER MURRAY AFRICA
LESTER ELMER ARMSTRONG
RALPH LESLIE FLETCHER

THOMAS HENRI HUFF
GEORGE COY LAWRENCE
GEORGE URQUHART

RALPH DOUGLAS WATERMAN

1916

JOHN NICHOLAS BURFORD
ROY JENNINGS COOK
KEMERTON DEAN
FRANK SIMMONS HUBBARD

FRANK SHEPHERD HUNT
LEVERING LAWRASON
LELAND MUNGER MEANS
JOHN FANZ STAUB

ALLSTON EVERETT STORM

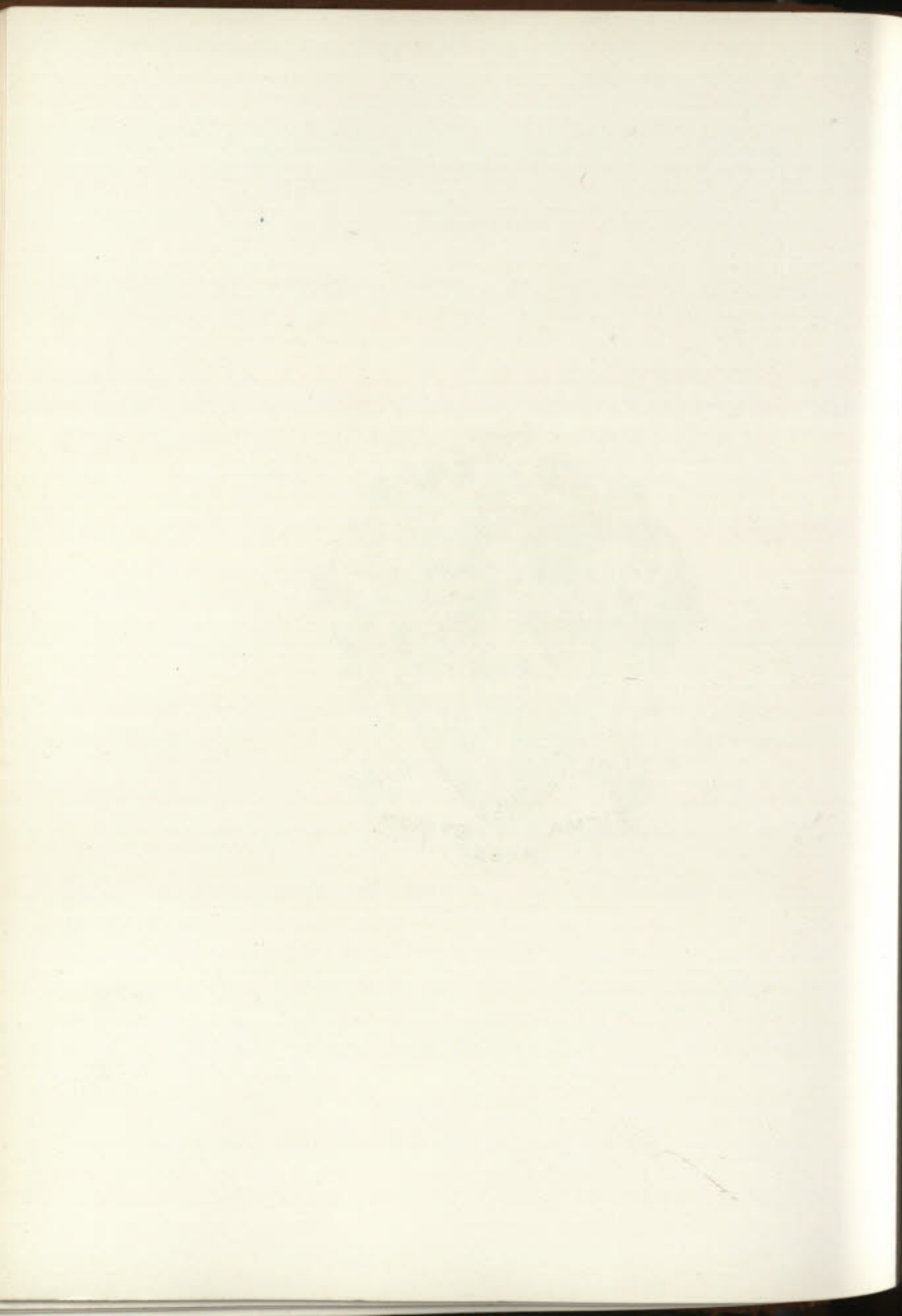
1917

DUDLEY EDWARDS BELL
PHILIP LINSOTT HUNT
CHARLES FRANCIS SIMPSON

LEROY AMOS SWAN
WALTER ALBERT WOOD
WALTER CROMWELL WOOD

1004 Beacon Street





DELTA TAU DELTA

Established at Bethany College, 1859

CHAPTER ROLL

Southern Division

Lambda	Vanderbilt University
Phi	Washington and Lee University
Beta Delta	University of Georgia
Beta Epsilon	Emory College
Beta Theta	University of the South
Beta Iota	University of Virginia
Beta Xi	Tulane University
Gamma Eta	George Washington University
Gamma Iota	University of Texas

Western Division

Omicron	University of Iowa
Beta Gamma	University of Wisconsin
Beta Eta	University of Minnesota
Beta Kappa	University of Colorado
Beta Pi	Northwestern University
Beta Rho	Leland Stanford, Jr., University
Beta Tau	University of Nebraska
Beta Upsilon	University of Illinois
Beta Omega	University of California
Gamma Alpha	University of Chicago
Gamma Beta	Armour Institute of Technology
Gamma Theta	Baker University
Gamma Kappa	University of Missouri
Gamma Mu	University of Washington
Gamma Pi	Iowa State College
Gamma Rho	University of Oregon

Northern Division

Beta	Ohio University
Delta	University of Michigan
Epsilon	Albion College
Zeta	Western Reserve University
Kappa	Hillsdale College
Mu	Ohio Wesleyan University
Chi	Kenyon College
Psi	Wooster University
Beta Alpha	Indiana University
Beta Beta	De Pauw University
Beta Zeta	University of Indianapolis
Beta Phi	Ohio State University
Beta Psi	Wabash College
Gamma Delta	West Virginia University
Gamma Lambda	Purdue University
Gamma Xi	University of Cincinnati

Eastern Division

Alpha	Allegheny College
Gamma	Washington and Jefferson College
Nu	Lafayette College
Rho	Stevens Institute of Technology
Upsilon	Rensselaer Polytechnic Institute
Omega	University of Pennsylvania
Beta Lambda	Lehigh University
Beta Mu	Tufts College
Beta Nu	Massachusetts Institute of Technology
Beta Omicron	Cornell University
Beta Chi	Brown University
Gamma Gamma	Dartmouth College
Gamma Epsilon	Columbia University
Gamma Zeta	Wesleyan University
Gamma Nu	University of Maine
Gamma Omicron	Syracuse University
Tau	Pennsylvania State College

DELTA TAU DELTA

Beta Nu Chapter

Established 1889

Fratres

1914

LEVI BIRD DUFF, 3d
CHARLES PARKER FISKE
WALTER PARAMORE KEITH
WILLIAM HENRY PRICE, Jr.

HOWARD LYON STONE
DWIGHT JOHNSON STUMP
FRANK LIVINGOOD SURLS
GORDON WINTHROP WHITE

1915

DONALD RICHARD DESGRANGES
WILLIAM HAROLD FLEMING
KENNETH THEODORE KING

IRVING BERRY MCDANIEL
ERNEST EDWARD POLLEY
WALTER BEN RIVERS

HENRY PALMER SABIN

1916

CARUTHERS ASKEW COLEMAN
GEORGE DAVIS KITTREDGE
RICHARD STEWARD ROWLETT

RAY BOBB WALTER
RUSSELL HUBBARD WHITE
HAROLD OSGOOD WHITNEY

1917

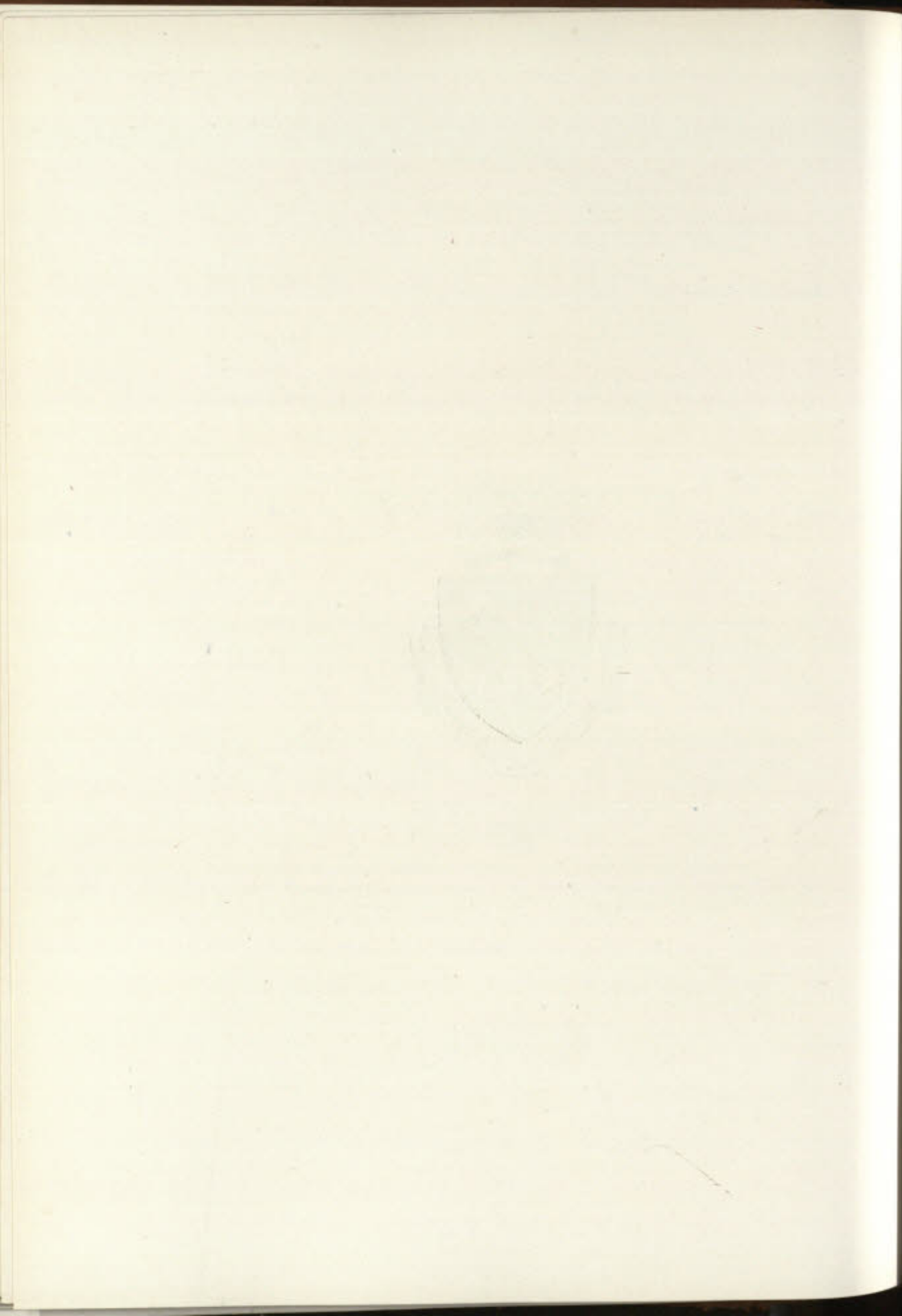
ARTHUR DEWINT BAKER
EDWARD SEGUIN COUCH
PHILIP EDWIN HULBURN

LINWOOD IRVING NOYES
CARLOS STONE ROOD
JOSEPH HENRY STAGG, Jr.

264 Newbury Street



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1908



PHI GAMMA DELTA

Established 1848

CHAPTER ROLL

Alpha	Washington and Jefferson College	Washington, Pa.
Lambda	De Pauw University	Greencastle, Ind.
Omicron	University of Virginia	Charlottesville, Va.
Xi	Gettysburg College	Gettysburg, Pa.
Pi	Allegheny College	Meadville, Pa.
Tau	Hanover College	Hanover, Ind.
Psi	Wabash College	Crawfordsville, Ind.
Omega	Columbia University	New York, N.Y.
Alpha Deuteron	Illinois Wesleyan University	Bloomington, Ill.
Gamma Deuteron	Knox College	Galesburg, Ill.
Zeta Deuteron	Washington and Lee College	Lexington, Va.
Theta Deuteron	Ohio Wesleyan University	Delaware, Ohio
Zeta	Indiana State University	Bloomington, Ind.
Nu Deuteron	Yale University	New Haven, Conn.
Omicron Deuteron	Ohio State University	Columbus, Ohio
Beta	University of Pennsylvania	Philadelphia, Pa.
Pi Deuteron	University of Kansas	Lawrence, Kan.
Delta	Bucknell College	Lewisburg, Pa.
Lambda Deuteron	Denison University	Granville, Ohio
Rho Deuteron	Wooster University	Wooster, Ohio
Sigma Deuteron	Lafayette College	Easton, Pa.
Sigma	Wittenberg College	Springfield, Ohio
Zeta Phi	William Jewell	Liberty, Mo.
Delta Xi	University of California	Berkeley, Cal.
Theta Psi	Colgate University	Hamilton, N.Y.
Beta Chi	Lehigh University	Bethlehem, Pa.
Gamma Phi	Pennsylvania State College	State College, Pa.
Iota Mu	Massachusetts Institute of Technology	Boston, Mass.
Kappa Nu	Cornell University	Ithaca, N.Y.
Mu Sigma	University of Minnesota	Minneapolis, Minn.
Rho Chi	Richmond College	Richmond, Va.
Beta Mu	Johns Hopkins	Baltimore, Md.
Kappa Tau	University of Tennessee	Knoxville, Tenn.
Pi Iota	Worcester Polytechnic Institute	Worcester, Mass.
Nu Epsilon	New York University	University Heights, N.Y.
Alpha Chi	Amherst College	Amherst, Mass.
Tau Alpha	Trinity College	Hartford, Conn.
Chi	Union College	Schenectady, N.Y.
Mu	University of Wisconsin	Madison, Wis.
Chi Iota	University of Illinois	Champaign, Ill.
Lambda Nu	University of Nebraska	Lincoln, Neb.
Chi Mu	University of Missouri	Columbia, Mo.
Omega Mu	University of Maine	Orono, Me.
Sigma Tau	University of Washington	Seattle, Wash.
Delta Nu	Dartmouth College	Hanover, N.H.
Sigma Nu	University of Syracuse	Syracuse, N.Y.

Theta	University of Alabama	Tuscaloosa, Ala.
Tau Deuteron	University of Texas	Austin, Tex.
Xi Deuteron	Adelbert College	Cleveland, Ohio
Lambda Iota	Purdue University	Lafayette, Ind.
Pi Rho	Brown University	Providence, R.I.
Chi Upsilon	Chicago University	Chicago, Ill.
Alpha Phi	University of Michigan	Ann Arbor, Mich.
Lambda Sigma	Leland Stanford, Jr., University	Palo Alto, Cal.
Alpha Iota	Iowa State College	Ames, Ia.
Chi Sigma	Colorado College	Colorado Springs, Col.
Epsilon Omicron	University of Oregon	Eugene, Ore.
Beta Kappa	University of Colorado	Boulder, Col.
Iota	Williams College	Williamstown, Mass.

PHI GAMMA DELTA

Iota Mu Chapter

Established 1889

Frater in Facultate

HENRY PAUL TALBOT

1914

ROBERT CHILD DOREMUS

JAMES WASHINGTON EASTER

PERCY GREENE WHITMAN

HOWARD ARCHIBALD MORRISON

FRANCIS WHITTEN, Jr.

1915

MARSHALL BERTRAND DALTON

GABE BOUCK HILTON

EDMUND ALDEN WHITING

ARCHIBALD STONE MORRISON

EASTMAN ATKINS WEAVER

1916

HOWARD PAUL CLAUSSEN

LAURENCE HASSELL DELABARRE

GONZALO GARITA, Jr.

HENRY WINTHROP HASTINGS

CHARLES WILLIAM LAWRENCE

CHARLES SALISBURY MAKEPEACE

DAVID LONGFELLOW PATTEN

HENRY BRADBURY SHEPARD

1917

ATWOOD PACKARD DUNHAM

STANLEY COVERT DUNNING

RICHARD THOMPSON WHITNEY

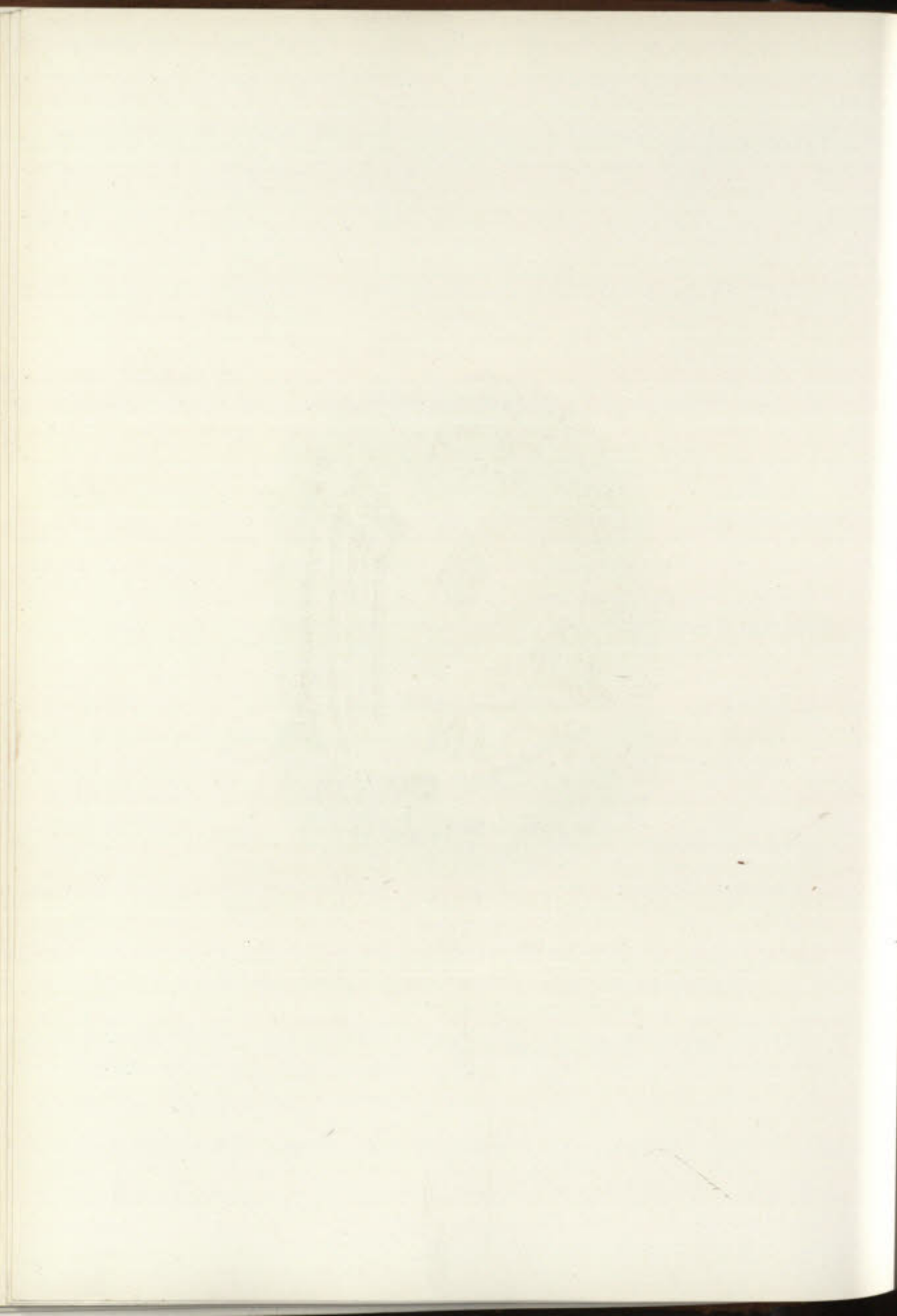
HARRISON PRESCOTT EDDY, Jr.

WALTER HARRINGTON

12 Newbury Street



BLISSITT ENGRAVER



PHI SIGMA KAPPA

Established 1873

Massachusetts Agricultural College

CHAPTER ROLL

Alpha	Massachusetts Agricultural College	Amherst, Mass.
Beta	Union University	Albany, N.Y.
Gamma	Cornell University	Ithaca, N.Y.
Delta	University of West Virginia	Morgantown, W. Va.
Epsilon	Yale University	New Haven, Conn.
Zeta	College of City of New York	New York City, N.Y.
Eta	University of Maryland	Baltimore, Md.
Theta	Columbia University	New York City
Iota	Stevens Institute of Technology	Hoboken, N.J.
Kappa	Pennsylvania State College	State College, Pa.
Lambda	George Washington University	Washington, D.C.
Mu	University of Pennsylvania	Philadelphia, Pa.
Nu	Lehigh University	South Bethlehem, Pa.
Xi	St. Lawrence University	Canton, N.Y.
Omicron	Massachusetts Institute of Technology	Boston, Mass.
Pi	Franklin and Marshall College	Lancaster, Pa.
Sigma	St. John's College	Annapolis, Md.
Tau	Dartmouth College	Hanover, N.H.
Upsilon	Brown University	Providence, R.I.
Phi	Swarthmore College	Swarthmore, Pa.
Chi	Williams College	Williamstown, Mass.
Psi	University of Virginia	Charlottesville, Va.
Omega	University of California	Berkeley, Cal.
Alpha Deuteron	University of Illinois	Champaign, Ill.
Beta Deuteron	University of Minnesota	Minneapolis, Minn.
Gamma Deuteron	Iowa State College	Ames, Ia.

PHI SIGMA KAPPA

Omicron Chapter

Established 1902

Frater in Facultate

CHARLES BLANEY BREED

Fratres

1914

THOMAS JEFFERSON DUFFIELD
LINWOOD DRAPER FAUNCE
ALFRED STANDISH MILLIKEN
ROBERT JOSEPH MURPHY
CHESTER HOWARD OBER
CHARLES SHAW
EDWIN OSGOOD UPHAM

1915

HAROLD REUBEN BASSET
CHARLES LORING HALL
LEWIS WILLIAM PRESCOTT
ROSWELL MILLER RENNIE
ROBERT PARKER SHERMAN
HERBERT DYER SWIFT
VIRGIL EMERY WARDWELL
HERBERT HARTWELL WHITCOMB

1916

MORGAN PUTNAM CURTIS
JAMES MORRISON EVANS
JESSE FLETCHER
HAROLD CHIPMAN FULLER
GILBERT HERMAN GAULS
KENNETH LEROY HARPER
GEORGE MONTGOMERY LOVEJOY
JAMES MUIR RALSTON
GEORGE WILLIAMS REPETTI
LOUIS WALDO STEVENS

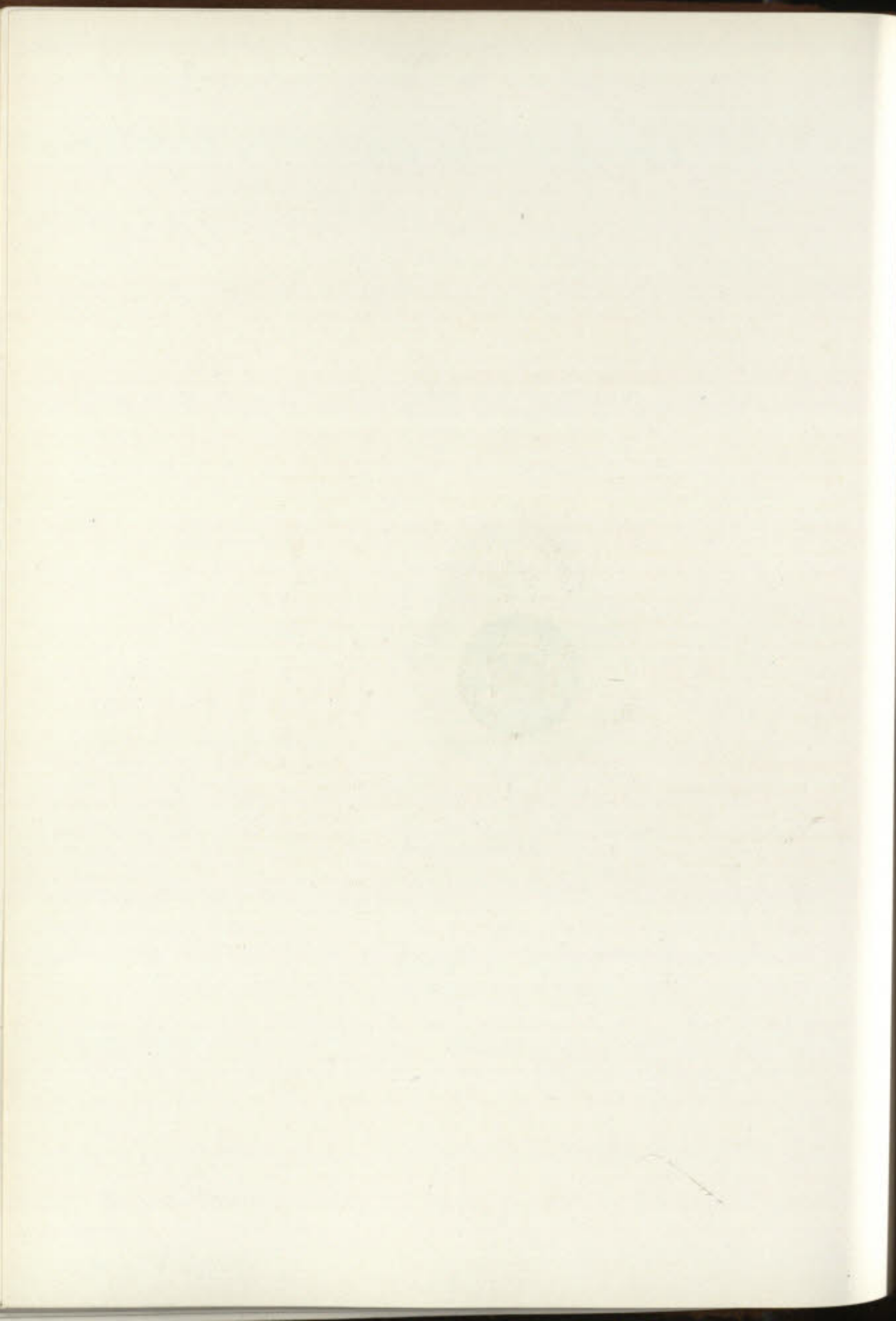
1917

KINGSLEY ALEXANDER GILLESPIE
ELMER CLARK MATHEWS
WALTER LYMAN MEDDING
WALTER BURROUGHS STRONG

16 Exeter Street



Печатня Давидова



THETA CHI

Established at Norwich University, 1856

CHAPTER ROLL

Alpha	Norwich University	Northfield, Vt.
Beta	Massachusetts Institute of Technology	Boston, Mass.
Gamma	University of Maine	Orono, Me.
Delta	Rensselaer Polytechnic Institute	Troy, N.Y.
Epsilon	Worcester Polytechnic Institute	Worcester, Mass.
Zeta	New Hampshire State College	Durham, N.H.
Eta	Rhode Island State College	Kingston, R.I.
Theta	Massachusetts Agricultural College	Amherst, Mass.
Iota	Colgate University	Hamilton, N.Y.
Kappa	University of Pennsylvania	Philadelphia, Pa.
Lambda	Cornell University	Ithaca, N.Y.
Boston Alumni Chapter		Boston, Mass.
New York Alumni Chapter		New York City
Pittsburg Alumni Chapter		Pittsburg, Pa.
Providence Alumni Chapter		Providence, R.I.
Western Vermont Alumni Chapter		Burlington, Vt.

THETA CHI

Beta Chapter

Established 1902

Fratres

1914

LESTER LOCKE DOWNING
RAYMOND DANIEL GLADDING
DAVID FOSTER GOULD
ALFRED LANSING HIGGINS
CHARLES SHEPARD LEE
ALFRED FRANCIS NYE
ARTHUR STICKNEY PAGE
FRANK SAMUEL SINNICKS
CHARLES HOWARD WILKINS

1915

DONALD BELCHER
CLYDE CAMERON MACKENZIE
LLOYD STEELE ROBINSON
CHESTER MORRILL RUNELS
RALPH VOSBURG TIFFANY
JAMES ALNER TOBEY
HERBERT NEWTON TURRELL, Jr.
GEORGE HAROLD WARFIELD
WARREN CLIFFORD WHITMAN

1916

ELLIOT FAIRFIELD COOLIDGE
HAROLD LARNER
CHARLES AUGUSTINE PAUL MAGUIRE
JOHN LUCIUS MULLIN
WILLIAM ERLAND THRASHER
JOHN CECIL WHITAKER

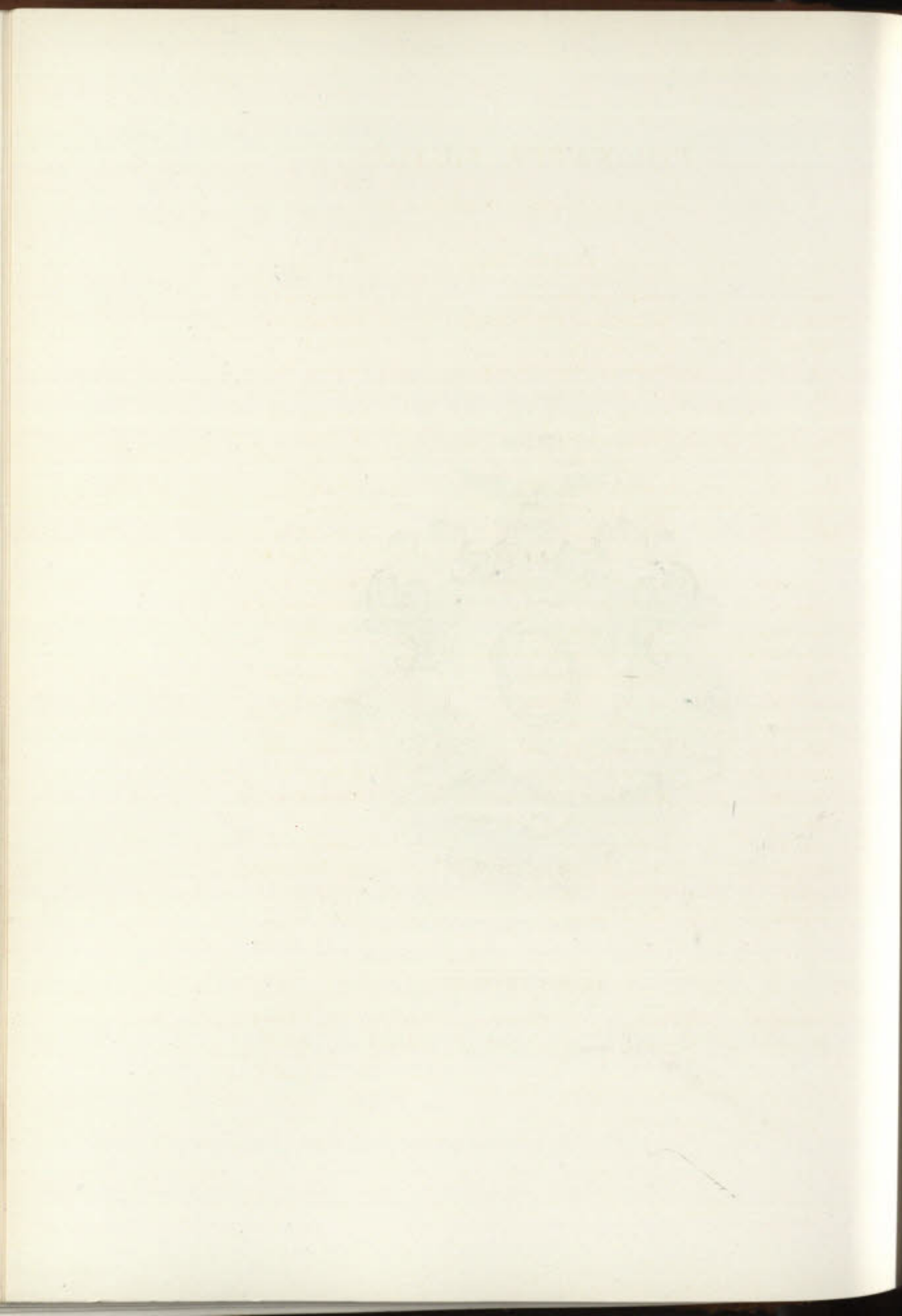
1917

WILLIAM WOLFTONE DRUMMEY

1049 Beacon Street



ELIOTT & FENNELL



PHI KAPPA SIGMA

Founded at the University of Pennsylvania in 1850

CHAPTER ROLL

Alpha	University of Pennsylvania	Philadelphia, Pa.
Delta	Washington and Jefferson College	Washington, Pa.
Epsilon	Dickinson College	Carlisle, Pa.
Zeta	Franklin and Marshall College	Lancaster, Pa.
Eta	University of Virginia	Charlottesville, Va.
Iota	Columbia University	New York City
Mu	Tulane University	New Orleans, La.
Rho	University of Illinois	Champaign, Ill.
Tau	Randolph-Macon College	Ashland, Va.
Upsilon	Northwestern University	Evanston, Ill.
Phi	Richmond College	Richmond, Va.
Psi	Pennsylvania State College	State College, Pa.
Alpha Alpha	Washington and Lee University	Lexington, Va.
Alpha Gamma	West Virginia University	Morgantown, W. Va.
Alpha Delta	University of Maine	Orono, Me.
Alpha Epsilon	Armour Institute of Technology	Chicago, Ill.
Alpha Zeta	University of Maryland	Baltimore, Md.
Alpha Theta	University of Wisconsin	Madison, Wis.
Alpha Iota	Vanderbilt University	Nashville, Tenn.
Alpha Kappa	University of Alabama	Tuscaloosa, Ala.
Alpha Lambda	University of California	Berkeley, Cal.
Alpha Mu	Massachusetts Institute of Technology	Boston, Mass.
Alpha Nu	Georgia Institute of Technology	Atlanta, Ga.
Alpha Xi	Purdue University	Lafayette, Ind.
Alpha Omicron	University of Michigan	Ann Arbor, Mich.
Alpha Pi	University of Chicago	Chicago, Ill.
Alpha Rho	Cornell University	Ithaca, N.Y.

ALUMNI CHAPTERS

Philadelphia	Baltimore	New Orleans	Harrisburg	Pittsburg
Richmond	Chicago	Southern California	New York	Atlanta

PHI KAPPA SIGMA

Alpha Mu Chapter

Established 1903

Fratres in Facultate

DUGALD C. JACKSON

WILLIAM H. WALKER

Fratres

1914

HENRY ORANGE GLIDDEN
LEIGH SPAULDING HALL
SAMUEL EVAN ROGERS
WALTER LUCIUS WHITEHEAD

1915

WILLIAM HENRY BRACKETT
THEODORE GATES BROWN
PAUL CONNOR
NEWELL LATHROP FOSTER
CHARLES WILBUR FRY
MOSES EBENEZER HILL
CARLETON WOODWARD LOVELL
DONALD WISE PERIN
ROBERT ANTOINE SCHUMUCKER
PAUL HUSE TAYLOR
NATHANIEL PENDLETON WHITE

1916

JOSEPH WARREN BARKER
WILLIAM EASTMAN, Jr.
PAUL HATCH
KENNETH MADISON McDONALD
MILTON WALLACE PETTIBONE
WALTER VINAL REED
SUMNER MAURICE SPAULDING
ERLING BRYNJULF STOCKMANN
BAILEY TOWNSEND
JAMES PHILIP UHLINGER

1917

EVERETT KENNEDY BRIGGS
PHILIP NAHM CRISTAL
WILLIAM FRANKLIN DEAN
LLOYD BERGEN SALT

225 Newbury Street



*E. A. Wright Photo
U.S. Design Patent
No. 1,111,111*

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

JOHN BURNET

OF THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

LONDON

Printed by J. Streater, in Strand

1699

By Authority

Printed by J. Streater, in Strand

1699

By Authority

Printed by J. Streater, in Strand

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By Authority

Printed by J. Streater, in Strand

1699

By Authority

Printed by J. Streater, in Strand

ALPHA TAU OMEGA

Founded at Virginia Military Institute in 1865

CHAPTER ROLL

PROVINCE I

Alabama Alpha Epsilon	Alabama Polytechnic Institute	Auburn, Ala.
Alabama Beta Beta	Southern University	Greensboro, Ala.
Alabama Beta Delta	University of Alabama	Tuscaloosa, Ala.
Florida Alpha Omega	University of Florida	Gainesville, Fla.
Georgia Alpha Beta	University of Georgia	Athens, Ga.
Georgia Alpha Theta	Emory College	Oxford, Ga.
Georgia Alpha Zeta	Mercer University	Macon, Ga.
Georgia Beta Iota	Georgia School of Technology	Atlanta, Ga.
Louisiana Beta Epsilon	Tulane University	New Orleans, La.
Texas Gamma Eta	University of Texas	Austin, Tex.

PROVINCE II

Illinois Gamma Zeta	University of Illinois	Champaign, Ill.
Illinois Gamma Xi	University of Chicago	Chicago, Ill.
Indiana Gamma Gamma	Rose Polytechnic Institute	Terre Haute, Ind.
Indiana Gamma Omicron	Purdue University	Lafayette, Ind.
Michigan Alpha Mu	Adrian College	Adrian, Mich.
Michigan Beta Kappa	Hillsdale College	Hillsdale, Mich.
Michigan Beta Lambda	University of Michigan	Ann Arbor, Mich.
Michigan Beta Omicron	Albion College	Albion, Mich.
Wisconsin Gamma Tau	University of Wisconsin	Madison, Wis.

PROVINCE III

Colorado Gamma Lambda	University of Colorado	Boulder, Col.
Iowa Beta Alpha	Simpson College	Indianola, Ia.
Iowa Gamma Upsilon	Iowa State College	Ames, Ia.
Kansas Gamma Mu	University of Kansas	Lawrence, Kan.
Minnesota Gamma Nu	University of Minnesota	Minneapolis, Minn.
Missouri Gamma Rho	University of Missouri	Columbia, Mo.
Nebraska Gamma Theta	University of Nebraska	Lincoln, Neb.
Wyoming Gamma Psi	University of Wyoming	Laramie, Wyo.

PROVINCE IV

Maine Beta Upsilon	University of Maine	Orono, Me.
Maine Gamma Alpha	Colby College	Waterville, Me.
Massachusetts Beta Gamma	Massachusetts Institute of Technology	Boston, Mass.
Massachusetts Gamma Beta	Tufts College	Tufts College, Mass.
Massachusetts Gamma Sigma	Worcester Polytechnic Institute	Worcester, Mass.
Rhode Island Gamma Delta	Brown University	Providence, R.I.
Vermont Beta Zeta	University of Vermont	Burlington, Vt.

PROVINCE V

New York Alpha Omicron	St. Lawrence University	Canton, N.Y.
New York Beta Theta	Cornell University	Ithaca, N.Y.
Pennsylvania Alpha Iota	Muhlenberg College	Allentown, Pa.
Pennsylvania Alpha Pi	Washington and Jefferson College	Washington, Pa.
Pennsylvania Alpha Rho	Lehigh University	South Bethlehem, Pa.
Pennsylvania Alpha Upsilon	Pennsylvania College	Gettysburg, Pa.
Pennsylvania Tau	University of Pennsylvania	Philadelphia, Pa.

PROVINCE VI

North Carolina Alpha Delta	University of North Carolina	Chapel Hill, N.C.
North Carolina Xi	Trinity College	Durham, N.C.
South Carolina Beta Xi	College of Charleston	Charleston, S.C.
Virginia Beta	Washington and Lee University	Lexington, Va.
Virginia Delta	University of Virginia	Charlottesville, Va.

PROVINCE VII

Ohio Alpha Nu	Mt. Union College	Alliance, Ohio
Ohio Alpha Psi	Wittenberg College	Springfield, Ohio
Ohio Beta Eta	Ohio Wesleyan University	Delaware, Ohio
Ohio Beta Mu	Wooster University	Wooster, Ohio
Ohio Beta Omega	Ohio State University	Columbus, Ohio
Ohio Gamma Kappa	Western Reserve University	Cleveland, Ohio

PROVINCE VIII

Kentucky Mu Iota	State University of Kentucky	Lexington, Ky.
Tennessee Alpha Tau	Southwestern Presbyterian University	Clarksville, Tenn.
Tennessee Beta Pi	Vanderbilt University	Nashville, Tenn.
Tennessee Beta Tau	Union University	Jackson, Tenn.
Tennessee Omega	University of the South	Sewanee, Tenn.
Tennessee Pi	University of Tennessee	Knoxville, Tenn.

PROVINCE IX

California Beta Psi	Leland Stanford University	Palo Alto, Cal.
California Gamma Iota	University of California	Berkeley, Cal.
Oregon Gamma Phi	University of Oregon	Eugene, Ore.
Washington Gamma Chi	Washington State College	Pullman, Wash.
Washington Gamma Pi	University of Washington	Seattle, Wash.

ALPHA TAU OMEGA

Beta Gamma Chapter

Established 1885

Frater in Facultate

CHARLES F. PARK

Fratres

1914

FREDERICK BALSTON BARNES
RALPH CONRAD GOETH
ERNEST KERR

KARL CARSON MASON
ROBERT WHARTON MOORHOUSE
HERBERT ALFRED SWEET

JOHN BERCHMAN WELCH

1915

JOSEPH WOODWARD BARNWELL
HERBERT JOSEPH BEIERL
ARNOLD BLAKE CURTIS
HUBERT STAFFORD JAMES

ARTHUR LINDSAY NELSON
CLIFFORD EDWARD SIFTON
THEODORE FRANKLIN SPEAR
GEORGE THOMPSON WOOLLEY, Jr.

1916

PAUL HENRY BUXTON
RAYMOND PUTNAM LOW

JAMES SYDNEY MARINE
ALBERT SIMMONS

CARL WILBUR WOOD

1917

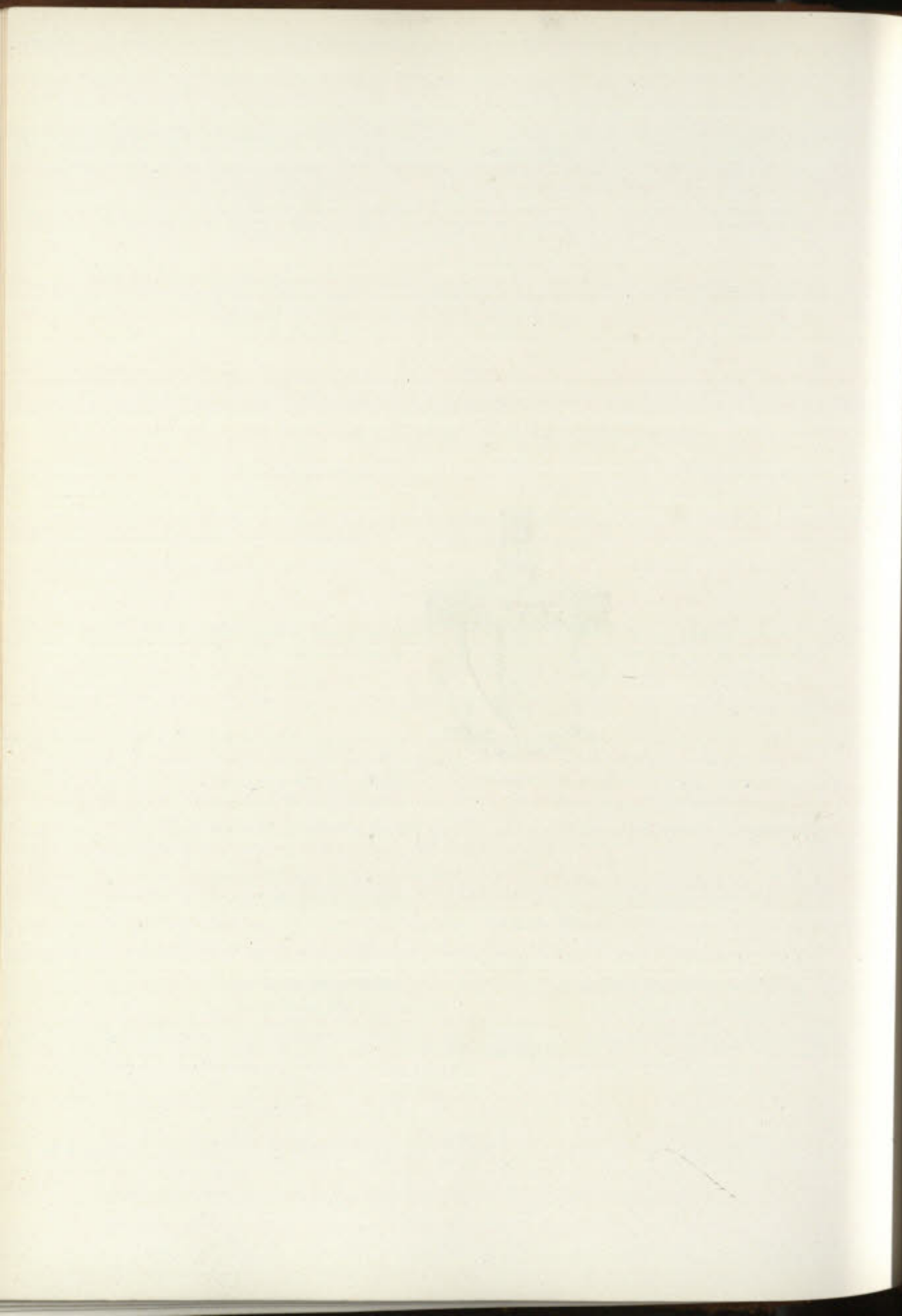
PAUL JENS BERTELSEN
JOSEPH JENNINGS CLARKSON

AUGUSTUS PAGE FARNSWORTH
HARTLEY BURTON GARDNER

30 Newbury Street



PSI CHI HONOR SOCIETY
FOUNDED 1906



THETA DELTA CHI

Established 1848

THE CHARGES

Beta	Cornell University	1870
Gamma Deuteron	University of Michigan	1889
Delta Deuteron	University of California	1900
Epsilon	College of William and Mary	1853
Zeta	Brown University	1853
Zeta Deuteron	McGill University	1901
Eta	Bowdoin University	1854
Eta Deuteron	Leland Stanford, Jr., University	1903
Theta Deuteron	Massachusetts Institute of Technology	1890
Iota	Harvard University	1856
Iota Deuteron	Williams College	1891
Kappa	Tufts College	1856
Kappa Deuteron	University of Illinois	1908
Mu Deuteron	Amherst College	1885
Nu	University of Virginia	1857
Nu Deuteron	Lehigh University	1884
Xi	Hobart College	1857
Omicron Deuteron	Dartmouth College	1869
Pi Deuteron	College of the City of New York	1881
Rho Deuteron	Columbia University	1883
Sigma Deuteron	University of Wisconsin	1895
Tau Deuteron	University of Minnesota	1895
Phi	Lafayette College	1867
Chi	University of Rochester	1867
Chi Deuteron	George Washington University	1896
Psi	Hamilton College	1863
Lambda Deuteron	University of Toronto	1912
Xi Deuteron	University of Washington	1913

THETA DELTA CHI

Theta Deuteron

Established 1890

Frater in Facultate

NATHAN RICHARD GEORGE, Jr.

Fratres

1914

CHAUNCEY DAVIS BRYANT
DONALD GIBBS CROWELL
EDWIN CLARENCE GERE
EDWARD ROLLINS GOODWIN, Jr.
CLARENCE WILLIAM HALE
ANNING SMITH HAMMOND
ADELBERT DELANO HILLER
ROBERT ALLEN LESHER
HORACE GENTRY STEWART
LYLE KERR WEBBER
HAROLD SUTHERLAND WILKINS
FAY WOODBURN WILLIAMS

1915

HAMILTON SCHAEFFER FRAZINE
HENRY LEONARD MARION
EVERETT EUGENE PLACE
CHARLES WYATT WILLIAMS

1916

HORACE CLEVELAND BURNHAM
GEORGE HOSE SMART
HOWARD RAITT STEWART

1917

ARTHUR KINDRED ATKINS
DONALD OSBORNE FRIEND
SERVALL HERBERT
ALVAH EDGAR MOODY
JUDSON CROMWELL RICHARDSON
EDMUND SPENSER
IRVING WALKER YOUNG, Jr.

80 Bay State Road



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Editorial Press

LAMBDA PHI

Local at Technology

ESTABLISHED 1906

LAMBDA PHI

Frater in Facultate

EDGAR IRVING WILLIAMS

Fratres

1914

WILLIAM NEWSOME EICHORN

MALCOLM LEWIS

HENRY FERDINAND MERRILL, 2d

JAMES MAYNE WHITE

1915

LAWRENCE HUMPHREY BAILEY

LEONARD ERNEST BEST

DAVID MULVANE HUGHES

HENRY LORENT LEEB

GEORGE HERRING LYNOTT

1916

WILLIAM LEE GRAVES

ALEXANDER ERNST HALBERSTADT

LUCIUS TUTTLE HILL

GEORGE HUBERT PETIT

LEROY WARING WILSON

1917

RALPH HERSEY ROSS

258 Newbury Street



LAWSON & SONS
1870



ZETA BETA TAU

Founded 1898

CHAPTER ROLL

Alpha	College of the City of New York	New York, N.Y.
Beta	Long Island Medical College	Brooklyn, N.Y.
Gamma	Bellevue Medical College	New York, N.Y.
Delta	Columbia University	New York, N.Y.
Epsilon	New York University	University Heights, N.Y.
Theta	University of Pennsylvania	Philadelphia, Pa.
Kappa	Cornell University	Ithaca, N.Y.
Mu	Boston University	Boston, Mass.
Lambda	Western Reserve University	Cleveland, Ohio
Zeta	Case School of Applied Science	Cleveland, Ohio
Sigma	Tulane University	New Orleans, La.
Eta	Union University	Schenectady, N.Y.
Iota	Polytechnic Institute of Brooklyn	Brooklyn, N.Y.
Nu	Ohio State University	Columbus, Ohio
Xi	Massachusetts Institute of Technology	Boston, Mass.
Omicron	Syracuse University	Syracuse, N.Y.
Pi	Louisiana State University	Baton Rouge, La.
Tau	Harvard University	Cambridge, Mass.
Rho	University of Illinois	Champaign, Ill.
Phi	University of Michigan	Ann Arbor, Mich.
Upsilon	McGill University	Montreal, Can.
Alpha Gamma	University of California	Berkeley, Cal.

GRADUATE CLUBS

Graduate Club	New York, N.Y.
Graduate Club	New Orleans, La.
Graduate Club	Boston, Mass.
Graduate Club	Cleveland, Ohio
Graduate Club of Nu Chapter	Cleveland, Ohio

ZETA BETA TAU

Xi Chapter

Established 1911

Fratres

Post Graduates

CHARLES LESTER GABRIEL
VERNON GLIDE KATZENSTEIN
JACOB SAMUEL WISE

1913

ABE MARSHALL LOEB
VICTOR MAYPER
BENJAMIN SAMUEL MUNCH
PAUL EMIL RUDOLPH
EDGAR HALLE WEIL

1914

JULIAN EMANUEL ADLER
THOMAS JULIUS SHACK

1915

MAX CRACAUER
MANAHAN BREMMER KAUFMAN
FRANCIS EDWARD STERN

260 Newbury Street



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DELTA KAPPA PHI

Local at Technology

ESTABLISHED 1912

DELTA KAPPA PHI

Fratres

Post Graduate

MILES ERSKINE LANGLEY

1914

HOMER NORTHUP CALVER
HENRY MAYNARD GRIFFITH
JOHN WILLIS HINES
RALPH HERBERT HOWES
FREDERICK PHILLIP KARNS
HOWARD WOLCOTT TREAT

1915

MEADE BOLTON
JAMES BRITAIN CARSON
FRED LYSLE COOK
DONALD ADAMS FOWLE
LORIN GEORGE MILLER
EDWARD SCHOEPPE

1916

RAYMOND GROUT BROWN
HAROLD PARKER GRAY
HALBERT HALE NEILSON
OLEN CARTER NORRIS
HENRY ERIC SCHABACKER
HARRY BENNETT SMITH

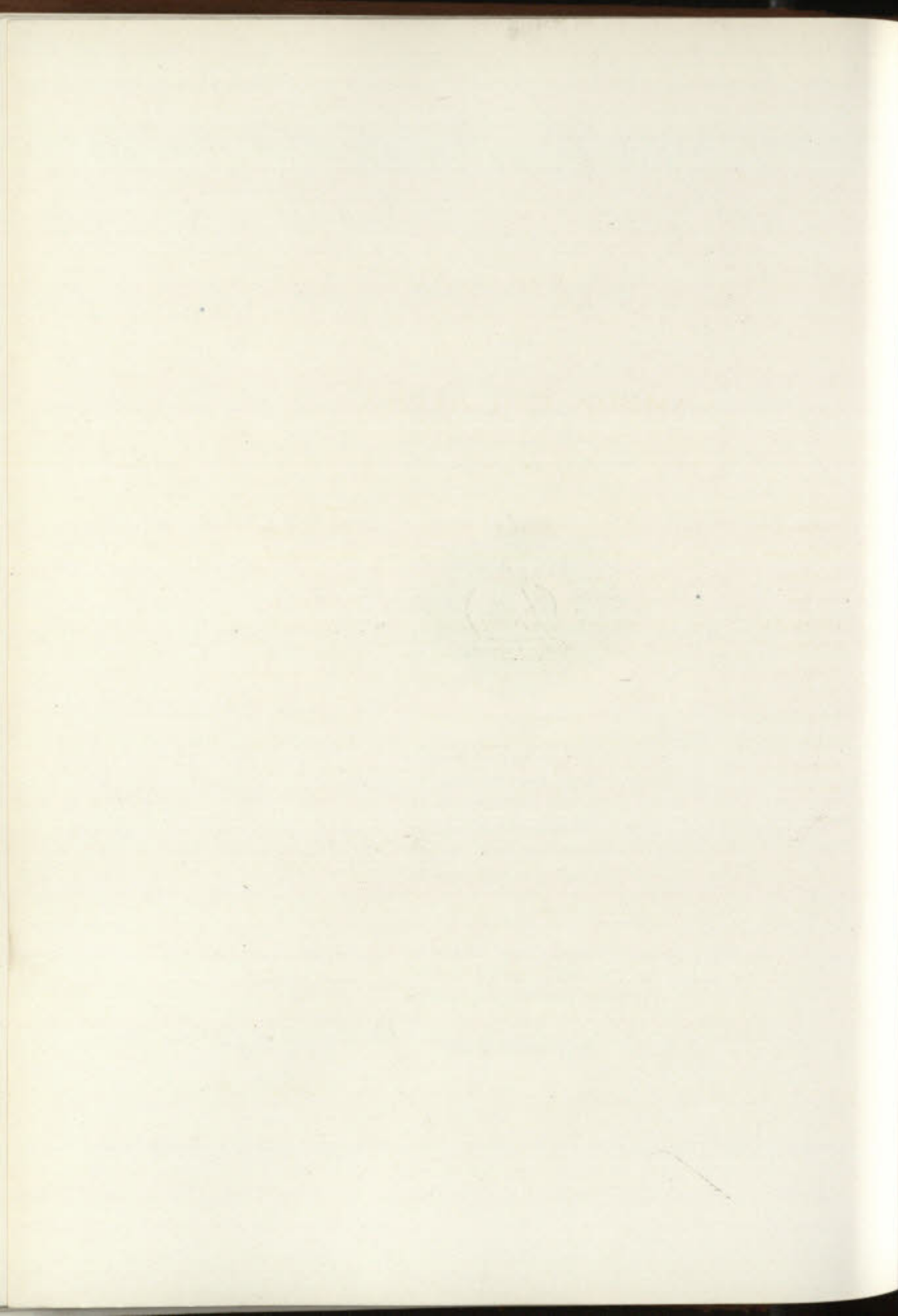
1917

WILLIAM AYRES GRAY, Jr.
PHILIP FRANCIS MAHER
RAYMOND SAWTELL STEVENS

261 Newbury Street



W. A. Wright Photo
2782



LAMBDA CHI ALPHA

CHAPTER ROLL

Alpha Zeta	Boston University	Boston, Mass.
Gamma Zeta	Massachusetts Agricultural College	Amherst, Mass.
Epsilon Zeta	University of Pennsylvania	Philadelphia, Pa.
Zeta Zeta	Pennsylvania State College	State College, Pa.
Iota Zeta	Brown University	Providence, R.I.
Lambda Zeta	Massachusetts Institute of Technology	Boston, Mass.
Beta Zeta	University of Maine	Orono, Me.
Sigma Zeta	University of Michigan	Ann Arbor, Mich.
Phi Zeta	Rutgers College	New Brunswick, N.J.
Delta Zeta	Bucknell University	Lewisburg, Pa.
Pi Zeta	Worcester Polytechnic Institute	Worcester, Mass.
Omicron Zeta	Cornell University	Ithaca, N.Y.
Mu Zeta	University of California	Berkeley, Cal.

LAMBDA CHI ALPHA

Lambda Zeta Chapter

Established 1913

Fratres

Post Graduate

ARTHUR WHITING CARPENTER

1914

HAROLD WARD BARKER
JOSEPH BEAUDETTE
CARL MATHIS BERRY
ALLEN FRANK BREWER
LUCIAN WALLACE BURNHAM
FERDINAND ARNOLD CHANDLER
ALVAH STORY HOLWAY
MAURICE WERTHEIM SALOMONSON

1915

GEORGE NATHAN ALTHOUSE
STUART WILLIS GURNEY
ERNEST MERRILL LOVELAND
CHARLES GRANDERSON NORTON
REGINALD FLINT POLLARD
FRANK ENOS PARSONS
ELLIS SPENCE TISDALE
RAYMOND HAMILTON WALCOTT

1916

GEORGE PARKER ALLEN
JOHN KREITZING HELLER

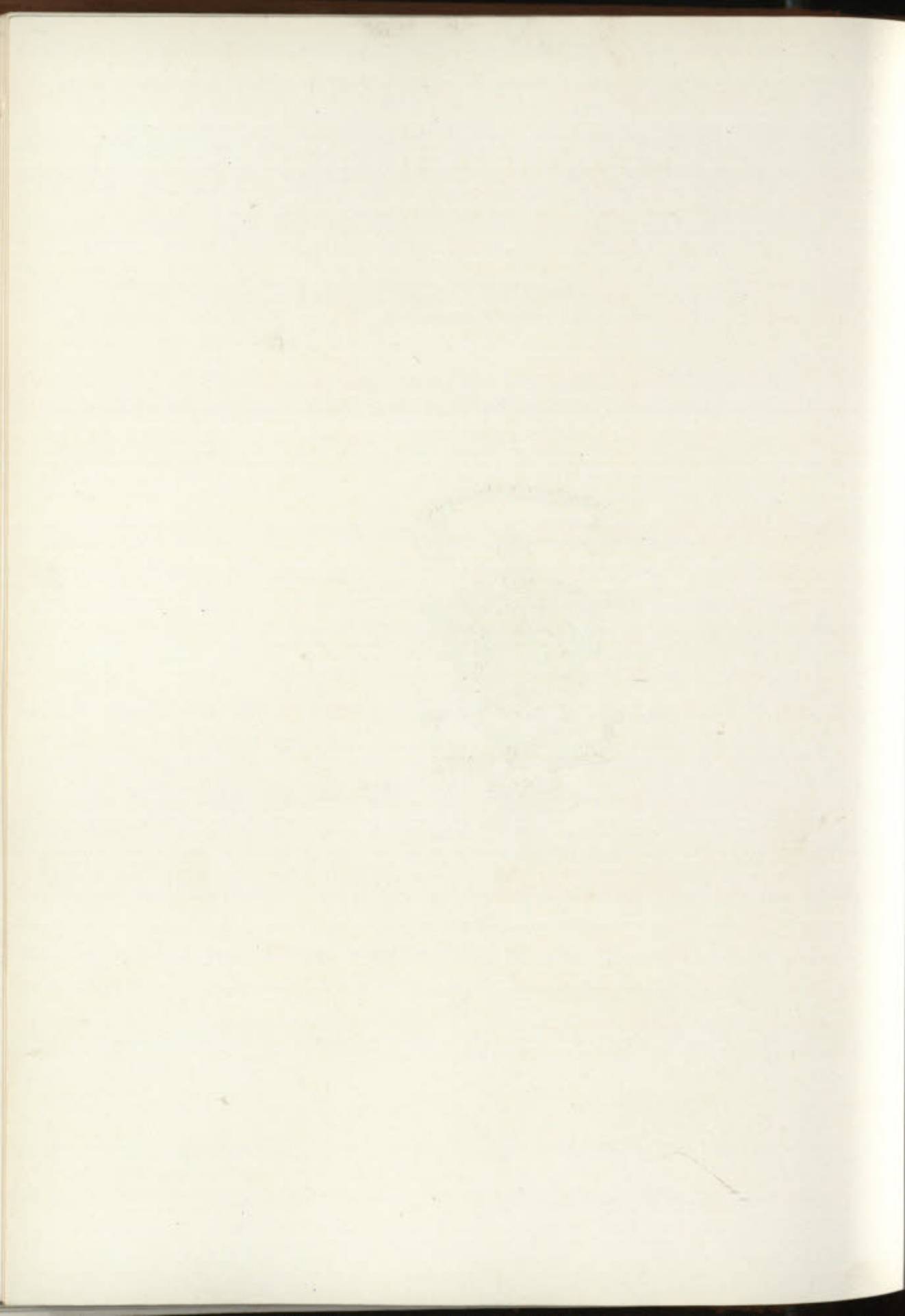
1917

ALFRED KUTZ ALTHOUSE
EVERETT JAMES DAVIDSON
NOAH WEBSTER GOKEY
ALLYNE CUSHING LITCHFIELD
RAYMOND SLACK SMITH

535 Newbury Street



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BETA THETA PI

Founded in 1839 at Miami University, Oxford, Ohio

CHAPTER ROLL

Alpha	Miami University	Oxford, Ohio
Beta	Western Reserve University	Cleveland, Ohio
Beta Kappa	Ohio University	Athens, Ohio
Gamma	Washington and Jefferson University	Washington, Pa.
Delta	De Pauw University	Greencastle, Ind.
Pi	Indiana University	Bloomington, Ind.
Lambda	University of Michigan	Ann Arbor, Mich.
Tau	Wabash College	Crawfordsville, Ind.
Epsilon	Central University	Danville, Ky.
Kappa	Brown University	Providence, R.I.
Eta Beta	University of North Carolina	Chapel Hill, N.C.
Theta	Ohio Wesleyan University	Delaware, Ohio
Iota	Hanover College	Hanover, Ind.
Xi	Knox College	Galesburg, Ill.
Omicron	University of Virginia	Charlottesville, Va.
Phi Alpha	Davidson College	Davidson, N.C.
Psi	Bethany College	Bethany, W. Va.
Chi	Beloit	Beloit, Wis.
Alpha Beta	University of Iowa	Iowa City, Ia.
Alpha Gamma	Wittenberg College	Springfield, Ohio
Alpha Delta	Westminster College	Fulton, Mo.
Alpha Epsilon	Iowa Wesleyan College	Mt. Pleasant, Ia.
Lambda Rho	University of Chicago	Chicago, Ill.
Alpha Eta	Denison University	Granville, Ohio
Alpha Iota	Washington University	St. Louis, Mo.
Alpha Nu	University of Kansas	Lawrence, Kan.
Alpha Pi	University of Wisconsin	Madison, Wis.
Rho	Northwestern University	Evanston, Ill.
Alpha Sigma	Dickinson College	Carlisle, Pa.
Upsilon	Boston University	Boston, Mass.
Alpha Chi	Johns Hopkins University	Baltimore, Md.
Omega	University of California	Berkeley, Cal.
Beta Alpha	Kenyon College	Gambier, Ohio
Beta Gamma	Rutgers College	New Brunswick, N.J.
Beta Delta	Cornell University	Ithaca, N.Y.
Sigma	Stevens Institute of Technology	Hoboken, N.J.
Beta Zeta	St. Lawrence University	Canton, N.Y.
Beta Eta	University of Maine	Orono, Me.
Phi	University of Pennsylvania	Philadelphia, Pa.
Beta Theta	Colgate University	Hamilton, N.Y.
Nu	Union University	Schenectady, N.Y.
Alpha Alpha	Columbia University	New York, N.Y.
Beta Iota	Amherst College	Amherst, Mass.
Beta Lambda	Vanderbilt University	Nashville, Tenn.
Beta Omicron	University of Texas	Austin, Tex.
Theta Delta	Ohio State University	Columbus, Ohio
Alpha Tau	University of Nebraska	Lincoln, Neb.
Alpha Upsilon	Pennsylvania State College	State College, Pa.
Alpha Zeta	University of Denver	Denver, Col.
Beta Epsilon	Syracuse University	Syracuse, N.Y.
Alpha Omega	Dartmouth College	Hanover, N.H.
Beta Pi	University of Minnesota	Minneapolis, Minn.
Mu Epsilon	Wesleyan University	Middletown, Conn.
Beta Nu	University of Cincinnati	Cincinnati, Ohio
Zeta Phi	University of Missouri	Columbia, Mo.
Beta Chi	Lehigh University	Bethlehem, Pa.
Phi Chi	Yale University	New Haven, Conn.
Lambda Sigma	Stanford University	Palo Alto, Cal.
Beta Psi	University of West Virginia	Morgantown, W. Va.
Beta Tau	University of Colorado	Boulder, Col.

Beta Sigma	Bowdoin College	Brunswick, Me.
Beta Omega	Washington State University	Seattle, Wash.
Sigma Rho	University of Illinois	Champaign, Ill.
Beta Mu	Purdue University	Lafayette, Ind.
Lambda Kappa	Case School of Applied Science	Cleveland, Ohio
Tau Sigma	Iowa State College	Ames, Ia.
Theta Zeta	University of Toronto	Toronto, Ont.
Gamma Phi	University of Oklahoma	Norman, Okla.
Beta Theta	Colorado School of Mines	Golden, Col.
Beta Xi	Tulane University	New Orleans, La.
Beta Rho	University of Oregon	Eugene, Ore.
Gamma Alpha	University of South Dakota	Vermillion, S.D.
Beta Upsilon	Massachusetts Institute of Technology	Boston, Mass.
Gamma Beta	University of Utah	Salt Lake City, Utah

BETA THETA PI

Beta Upsilon Chapter

Established 1913

Fratres in Facultate

ROBERT P. BIGELOW

EDWARD E. BUGBEE

Fratres

1914

BENJAMIN COFFIN CROMWELL
CHARLES GERARD FALLON
CHARLES EPHRAIM FOX
JAMES THOMAS HOLMES

KENNETH SHERMAN JOHNSON
WILLIAM ROBERT McEWEN
SEYMOUR HOWELL TAYLOR
ALDEN HARRY WAITT

1915

LLOYD HAMILTON CHELLMAN
SIDNEY E. CLARK
EVERETT SHARPLES COLDWELL
CLARENCE WEARE HOWLETT

FISKE REED JONES
CLIVE WOODBURY LACY
JAMES DENNETT MACINTYRE
WALDO FRANCIS PIKE

FRANCIS PAUL SCULLY

1916

OLIN HENRY HAYES
THOMAS GREEN JEWETT, Jr.
STUART KEITH
CHARLES WHEELER LOOMIS

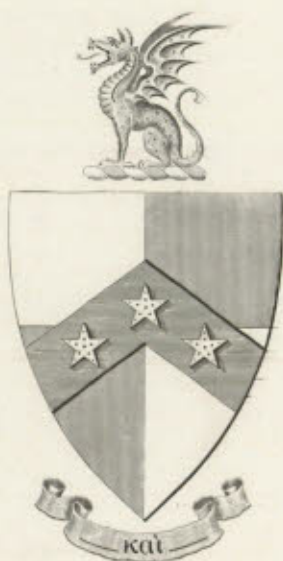
JOHN NEWMAN McDEVITT
HENRY PALMER PINKHAM
JOHN AVERILL STEERE
BRADFORD STETSON

1917

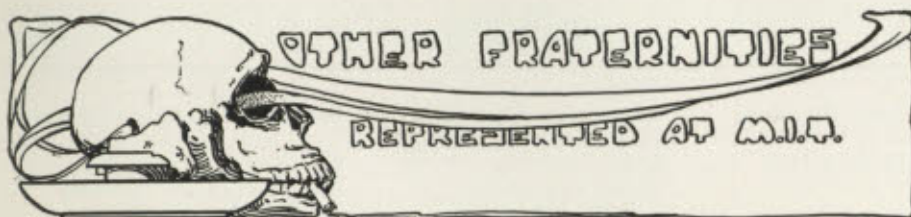
KIRKLAND HART DAY
BARNETT FRED DODGE

NEAL EVERETT TOURTELLOTTE
PAUL GILBERT WOODWARD

264 Newbury Street



HILARIORE MENTE PROBO



<i>Alpha Chi Rho</i>	Arthur Frank Peaslee	Trinity College
<i>Alpha Delta Phi</i>	Lyman Stanton Baird	University of Minnesota
	Lowell Cady	Amherst College
	Russell Edmund Lowe	Union College
	Dale Robert McEnary	University of Minnesota
	Arthur Merkel Miller	University of Rochester
	Nicholas Van Slyck Mumford .	Brown University
	Dexter North	Hamilton College
	Kenneth Calvin Richmond . .	University of Rochester
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	William McPherrin	Northwestern University
	William Griffith Sprague . . .	University of Michigan
<i>Chi Psi</i>	Paul Page Austin	University of California
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<i>Delta Phi</i>	Pierre Faneuil Jones	New York University
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<i>Kappa Alpha (Southern)</i>	James Jefferson Rucker Bristow	Georgetown College
<i>Kappa Sigma</i>	Clayton Prescott Hawes	Massachusetts Agricultural College

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	John Byron Ingle	University of California
	Richard Warner Peatross, Jr. .	Randolph-Macon College
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<i>Psi Upsilon</i>	Donald de Fremery	University of California
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	William Rea Holway	Dartmouth College
	Reves José Newsom	Purdue University
<i>Theta Delta Chi</i>	Leslie Whitmore Snow	Dartmouth College

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Sigma Chi	29	Theta Chi	25
Theta Xi	19	Phi Kappa Sigma	29
Delta Psi	15	Alpha Tau Omega	24
Chi Phi	25	Theta Delta Chi	26
Delta Kappa Epsilon	30	Lambda Phi	15
Phi Beta Epsilon	28	Zeta Beta Tau	8
Delta Upsilon	19	Delta Kappa Phi	22
Sigma Alpha Epsilon	26	Lambda Chi Alpha	24
Delta Tau Delta	28	Beta Theta Pi	29
Phi Gamma Delta	23	From other colleges	50
Phi Sigma Kappa	29		
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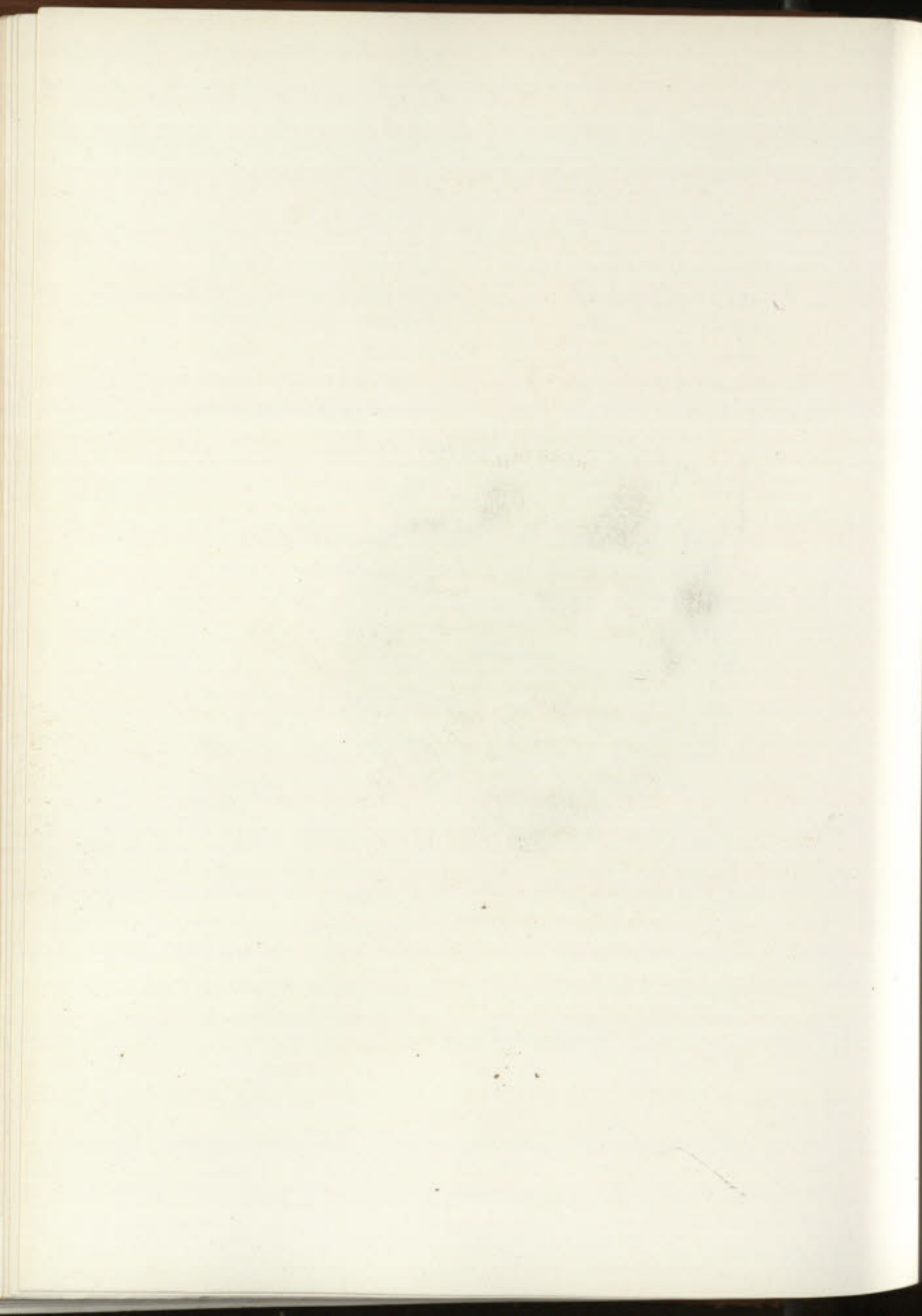
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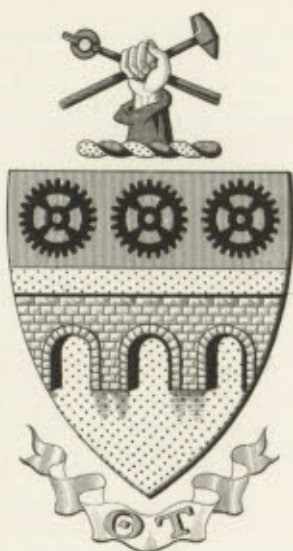
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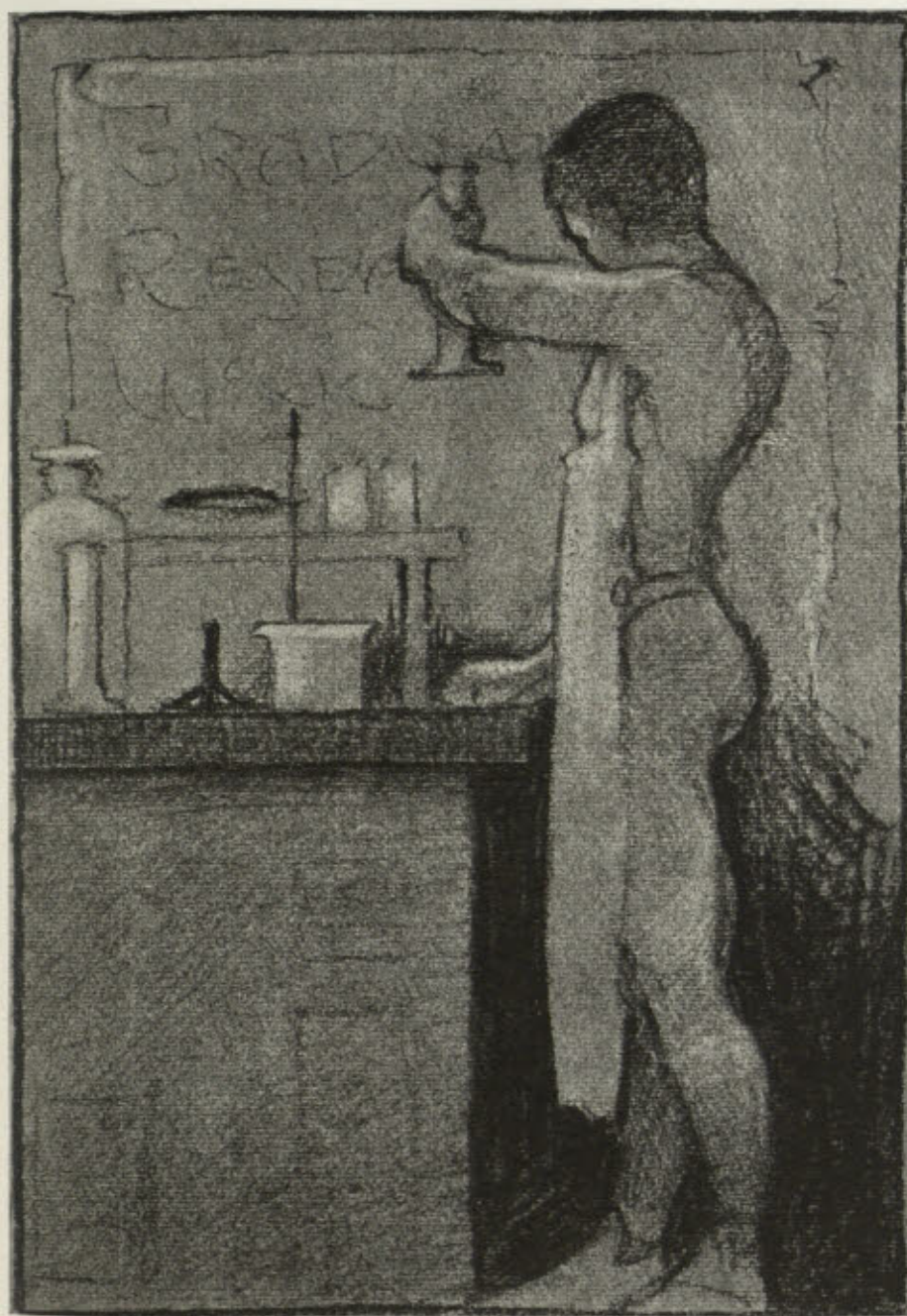
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IT WAS
Arthur A.
Noyes who,
as president
of the Institute from 1907
to 1909, introduced
graduate research work
into the curriculum.



A SONG OF THE OLD DAYS

Come, all ye Civil Engineers,
And get your transits out,
And look, by God, at the Harvard squad,
And see what they're all about.
Oh, hully gee! did you ever see
Such a gang of snobs before?
We'll see them damned and rammed and crammed
Before we enter their door.

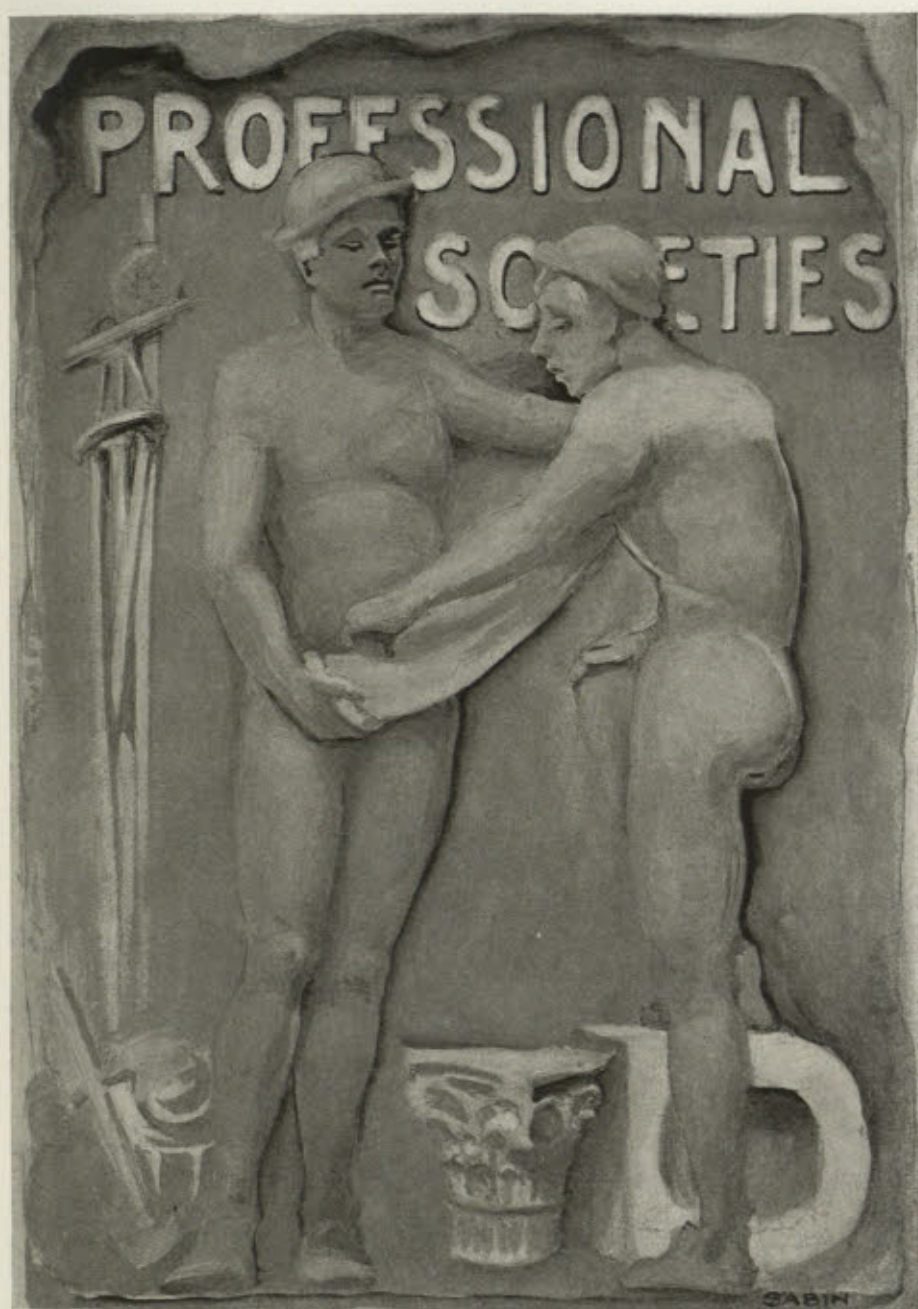
Come, all Mechanical Engineers,
And build a big machine,
And gear the wheels until she squeals,—
You know the kind I mean.
And throw the dogs between the cogs,
Who either think or say
That M. I. T. can possibly
Be carried on the Harvard way.

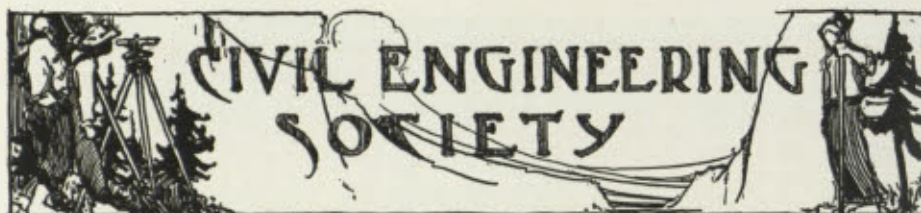
Come, all ye Mining Engineers,
And bring your dynamite,
And blow the school to molecules
This very, very night.
'Tis better for us to treat her thus
Than to prostitute her to
The factory where with heated air
They jerk the idiots through.

Come, all ye Chemists, and analyze
The Harvard-Technology theme,
And go and try for an alkali
Or acid to kill the scheme.
And when you've enough of the proper stuff
To paralyze the germ,
Go stick the dose under Elliot's nose
And see old Prexy squirm.

Come, all ye artful Architects,
And build a hell of a hall
To hold the name of Technology's fame,
And build it good and tall.
And if we find a shed behind
That is barely 4 x 3,
We'll know you've planned for the Har-
vard band
To join the M. I. T.

You'd never expect the Tech to wreck
Her forty years of fame,
By wagging the tail of the Harvard's dog
Or selling her good old name.
If Elliot thinks he's got us cinched,
We'll give him a chance to see,
For he'll dwell in hell before we'll sell
The yell of M. I. T.





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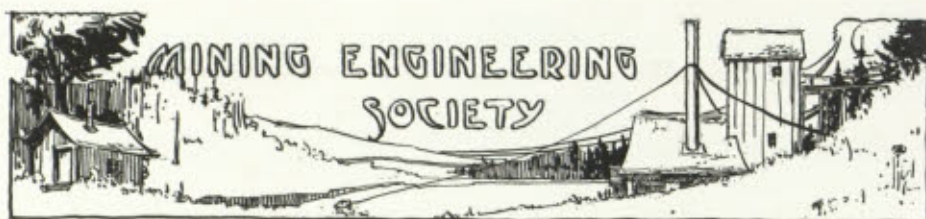
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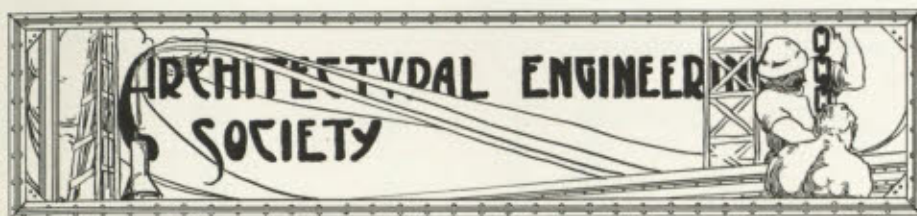
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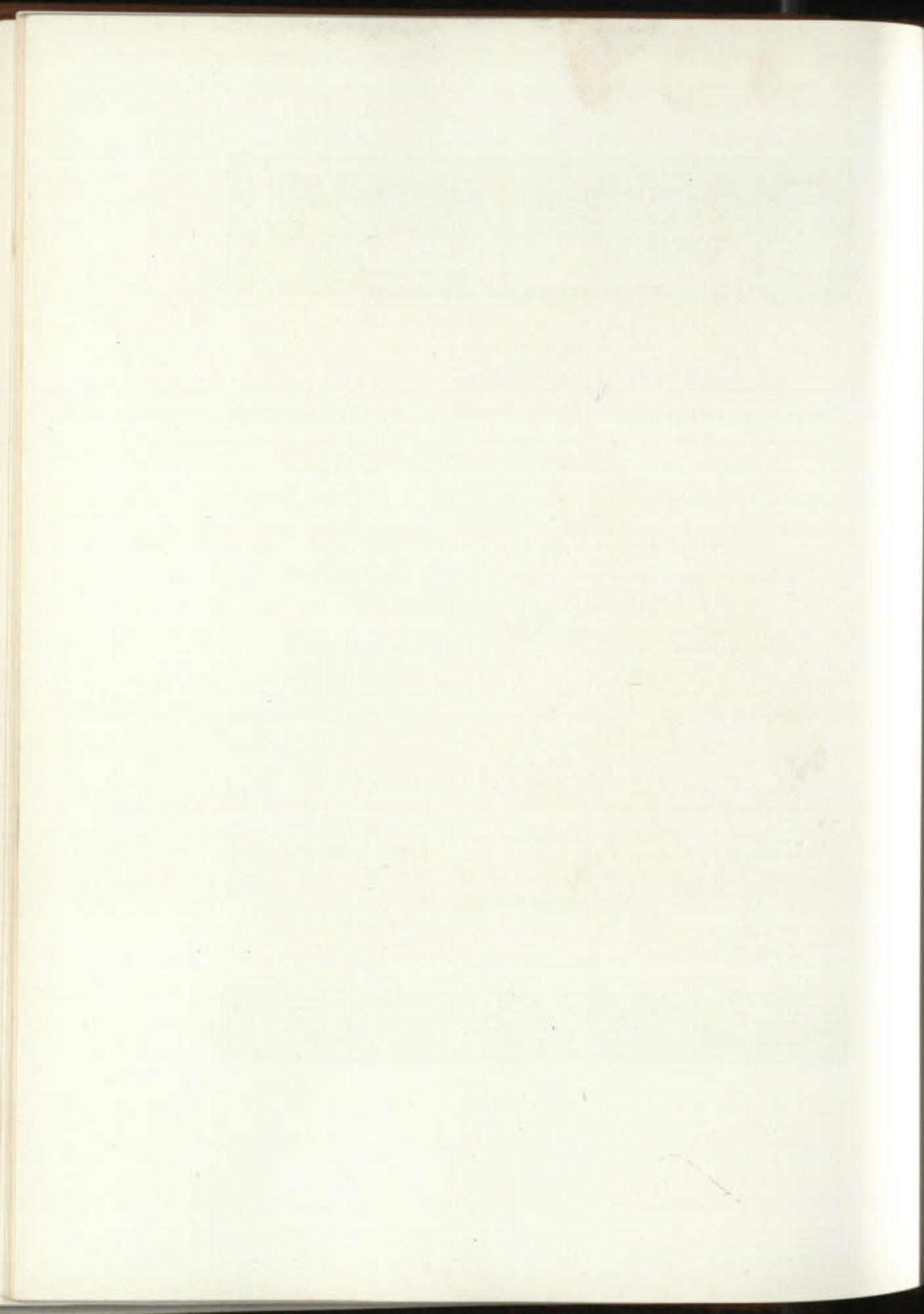
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 ODEN BOWIE PYLE, Jr.
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 HERBERT JOHN VON ROSENBERG
 PALMER ST. CLAIR, Jr.
 ERASMUS GILBERT SENTER
 SELDEN WILLIAMS SENTER
 CHARLES SCOTT VENABLE
 ALBERT ULMAN WALTERS
 ROBERT WALCOTT WEEKS
 LOUIS WEISBERG
 LEROY WARING WILSON

JOHN GALLAWAY WYATT





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Spiritual Director

Rev. M. J. SCANLON

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THOMAS F. COMBER, 1914

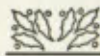
CHAS. A. BLODGETT, 1915

WM. W. DRUMMEY, 1916

JOHN J. DONNELLY, 1917



TECHNOLOGY



CHRISTIAN ASSOCIATION

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MILES E. LANGLEY, 1913
Resigned January 8, 1914

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Elected February 13, 1914.

Vice-President

CHARLES G. NORTON, 1915
JOHN HOMAN, 1915
Elected February 13, 1914

Treasurer

RALPH H. HOWES, 1914



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Church Co-operation . N. E. KIMBALL, 1915
Finance R. H. HOWES, 1914
Membership C. G. NORTON, 1915

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ISRAEL PARIS, 1914
DONALD E. WOODBRIDGE, 1916

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1917

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SAMUEL LEWITON
JOHN L. MULLIN

JOHN M. PHILLIPS
HANS F. B. ROESSLER
RALPH H. ROSS

MATCHES

Harvard $5\frac{1}{2}$ —Tech $\frac{1}{2}$
Harvard $3\frac{1}{2}$ —Tech $4\frac{1}{2}$

Colby $2\frac{1}{2}$ —Tech $3\frac{1}{2}$
Harvard $4\frac{1}{2}$ —Tech $3\frac{1}{2}$

Harvard $5\frac{1}{2}$ —Tech $2\frac{1}{2}$
Alumni 3—Tech 1

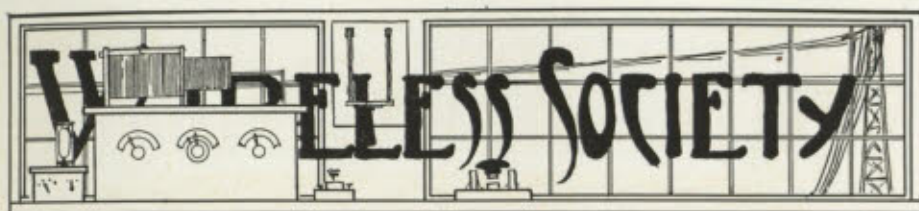
Winner of Spring Tournament

C. E. NORWOOD, 1914

Winner of Fall Tournament

D. E. WOODBRIDGE, 1916





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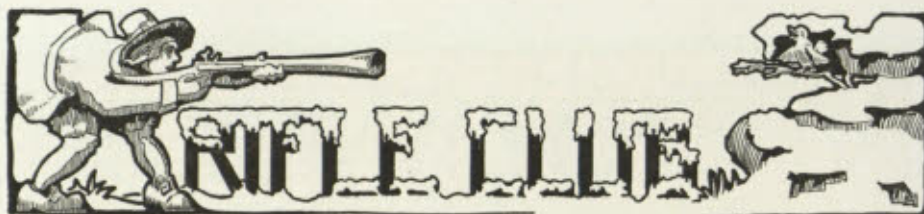
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FREDERICK BALSTON BARNES
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HOWARD GRANVILLE BORDEN
YU MAI CHU
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HENRY GARDNER MORSE
ADELBERT ROBBINS MORTON
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Radio Station
Electrical Engineering Laboratory
Lowell Building





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ELBRIDGE JOHNSON CASSELMAN

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THEODORE DILLAWAY PARSONS

Team Captain

GREVILLE GEORGE HASLAM

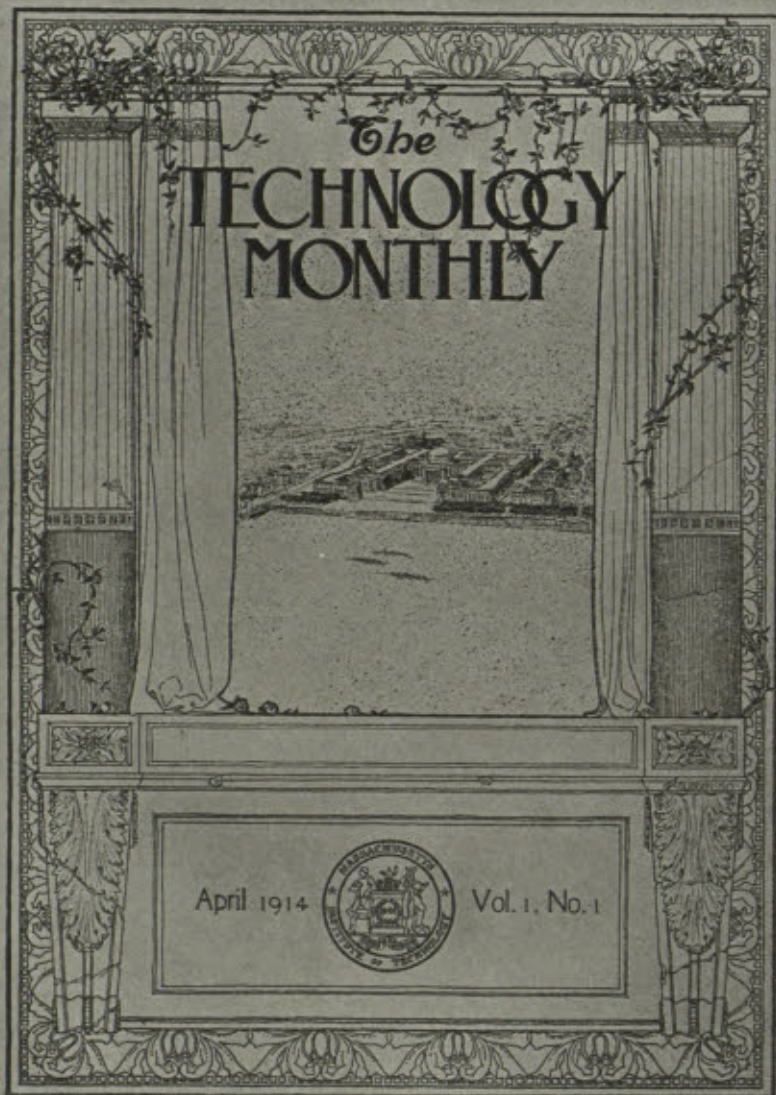
Active Members

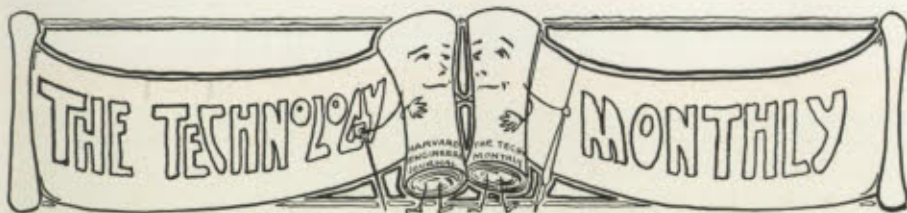
DAVID ATWATER
 SARKIS MANOOG BAGDOYAN
 ALEJANDRO BIBOLINI
 MAURICE FRANKLAND BRANDT
 EVERETT KENNEDY BRIGGS
 ELBRIDGE JOHNSON CASSELMAN
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 NORMAN JULIEN THOMPSON
 ALBERT EDWARD TUTTLE
 VIRGIL EMERY WARDWELL









IN NOVEMBER, 1913, a group of students who had been considering the possibility of a monthly at Technology, began to hold regular meetings with this idea in view. Plans had begun to assume definite shape, when it was suggested that such a publication, if run separately from

THE TECH, would detract enough from the latter's circulation, advertising, and student support to endanger its existence; accordingly, negotiations were opened with the Managing Board of the daily which resulted in a decision to combine the two publications to the extent of the business department, keeping the news and literary boards separate.

The members of the daily co-operated enthusiastically with the project. As the need became evident for more men, particularly for men with the time and executive ability necessary to put through the mechanical part of publication, reinforcements were added to the workers, still with no definite form of organization. The matter of financial combination was submitted to THE TECH Advisory Council, which decided that, until the MONTHLY had proved a success, THE TECH could not constitutionally finance it; whereupon the members of THE TECH Board and the three others who had done the most work on the project drew up an informal agreement to publish the first issue on their own responsibility. Permanent organization was to be effected later.

Negotiations with the *Harvard Engineering Journal* have practically assured the absorption of the latter by the TECHNOLOGY MONTHLY. It is possible that the original plan of combination with THE TECH can also be carried out.

The avowed purpose of the TECHNOLOGY MONTHLY is to further the unification of Technology by promoting the expression and circulation of ideas among undergraduates and alumni. Its editors feel that Technology spirit will be crystallized by the interchange of opinions, thoughts, and viewpoints between Institute men. In order to broaden the magazine and increase its scope, material of sufficient value from sources outside the Institute will be published.



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BEST SPALDING LACY ARMSTRONG
HALL KAHN WEAVER TAYLOR ROGERS

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<i>Managing Editor</i>	KENNETH D. KAHN, 1915
<i>Assistant Managing Editor</i>	ARTHUR E. KEATING, 1917
<i>Feature Editor</i>	J. R. SPALDING, 1917
<i>General Manager</i>	S. H. TAYLOR, 1914
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<i>Advertising Manager</i>	CLIVE W. LACY, 1915
<i>Treasurer</i>	ARTHUR E. B. HALL, 1915



HISTORY OF THE "TECH"



IN THE sixteenth of November, 1881, the first issue of THE TECH appeared at the Institute as a fortnightly paper. It had been preceded by others, which had some degree of success, most notable among them being *The Spectrum*. It has remained, however, for THE TECH to publish successfully thirty-two volumes, which show a most interesting development through the various vicissitudes of student life.

The first issue states that the aim of THE TECH will be "to promote the interests of the students at the Institute, and to maintain a friendly spirit among them, breaking down the ancient barriers of class and department." This aim is still maintained under present conditions as faithfully as when the first copy appeared, except that its management has endeavored to enlarge its scope, by taking in the Institute at large and furthering in every way possible the ideals expressed by President Rogers.

The actual chronicle of THE TECH is briefly told. With the passing of eleven years after its founding, the paper had become such a surety, that a weekly was considered not too great an expansion. In 1905 a tri-weekly became its next advancing step. This proved very popular. It contained more current Technology news, and served, furthermore, by means of its more frequent appearance and the publication of notices from all class and Institute activities, to bind the undergraduates more firmly together. Finally, in 1909, its twenty-ninth year, THE TECH joined the ranks of America's college dailies,—a step which has made possible a much greater field of activity in carrying out its aim.



THE TECH



HALL WEAVER ARMSTRONG ROGERS
 SNOW TAYLOR PALMER LACY



Managing Board

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PRESCOTT WHITNEY MACNEILL, 1915	<i>Associate Editor-in-Chief</i>
WILLIAM TOBIAS KNIESZNER, 1916	<i>Institute Editor</i>
RALPH MILLIS, 1916	<i>Assistant</i>
GEORGE WHITCOMB WYMAN, 1916	<i>Societies Editor</i>
EDWARD FOSTER HEWINS, 1916	<i>Assistant</i>
LEONARD ERNEST BEST, 1915	<i>Athletic Editor</i>
HAROLD PARKER GRAY, 1916	<i>Assistant</i>
HERBERT WALFRED ANDERSON, 1915	<i>Exchange Editor</i>
HORATIO WELLINGTON LAMSON, 1915	<i>Science Notes</i>

Business Board

ALFRED EDGAR BURTON HALL, 1915	<i>Assistant Treasurer</i>
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News Staff

BRUCE NEGUS STIMETS, 1915	CALVIN WESSON HAWES, 1916
JOHN MILTON DeBELL, 1917	HAROLD EDWARD LOBDELL, 1917

Business Staff

RAFAEL ALFARO, 1916	STEWART KEITH, 1916
HOWARD PAUL CLAUSSEN, 1916	FRANCIS SYLVESTER CONATY, 1917



THE TECH



	WEAVER	ARMSTRONG	ROGERS	
HALL	SNOW	TAYLOR	PALMER	LACY



Managing Board

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HOMER ROGERS, 1915	<i>Circulation Manager</i>
GUERNSEY AARON PALMER, 1915	<i>Treasurer</i>

News Board

JASPER BLANCHARD CARR, 1916	<i>Chief News Editor</i>
CARL ARTHUR SANDBURG, 1914	<i>Assignment Editor</i>
PRESCOTT WHITNEY MACNEILL, 1915	<i>Associate Editor-in-Chief</i>
WILLIAM TOBIAS KNIESZNER, 1916	<i>Institute Editor</i>
RALPH MILLIS, 1916	<i>Assistant</i>
GEORGE WHITCOMB WYMAN, 1916	<i>Societies Editor</i>
EDWARD FOSTER HEWINS, 1916	<i>Assistant</i>
LEONARD ERNEST BEST, 1915	<i>Athletic Editor</i>
HAROLD PARKER GRAY, 1916	<i>Assistant</i>
HERBERT WALFRED ANDERSON, 1915	<i>Exchange Editor</i>
HORATIO WELLINGTON LAMSON, 1915	<i>Science Notes</i>

Business Board

ALFRED EDGAR BURTON HALL, 1915	<i>Assistant Treasurer</i>
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News Staff

BRUCE NEGUS STIMETS, 1915
JOHN MILTON DEBELL, 1917

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HAROLD EDWARD LOBDELL, 1917

Business Staff

RAFAEL ALFARO, 1916
HOWARD PAUL CLAUSSEN, 1916

STEWART KEITH, 1916
FRANCIS SYLVESTER CONATY, 1917



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1 9 1 5



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Henry L. Lusk



George W. Lusk



C. R. R. Foreman



H. P. Lusk



O. L. Russell



H. B. Russell



Theodore J. Speer



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Walter W. Russell



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S. M. Russell



H. B. Russell



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HAROLD BAILEY PICKERING
Assistant Photographer

ST. ELMO TOWER PIZA
Assistant Art Editor

JOSEPH MASON LIVERMORE
Assistant Business Manager



HISTORY OF "TECHNIQUE"



THE first **TECHNIQUE** was published by the Class of 1887 in the winter of 1885. It was a paper-covered pamphlet of 152 pages, containing the nuclei of those principal departments which through growth and expansion have developed into the present **TECHNIQUE**. This development was steady, but not very rapid. Last year's Board, however, took a big step forward, changing the style of cover and size of the book, as well as raising the general standard of the work. This year sees another great stride made, with almost an entire change in the appearance of the book, and the introduction of more advanced ideas and, perhaps, higher ideals.

The **TECHNIQUE** Electoral Committee chooses the editors and managers in the spring of their Sophomore year, the work of publication going on from then until April of the next year. The appearance of the book is the opening event of Junior Week, in what is known as the **Technique Rush**. The first twenty copies are signed by the President, and the first four and the twentieth are free. **TECHNIQUE**, 1915, takes its place as the twenty-ninth of the volumes which the first board of editors saw as "a long line of **TECHNIQUES** stretching into the future."





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THE ARCHITECTURAL RECORD



THE *Technology Architectural Record* is a quarterly publication of the Department of Architecture. In 1907 it replaced the former *Annual*, published by the students' Architectural Society.

Its purpose is to bring to the attention of the alumni and others in the profession the progress of the course in Architecture at the Institute. To that end it publishes the current work in Design and accounts of the smoke talks given to the Architectural and the Architectural Engineering Societies. It reports other Department matters of importance, and endeavors to stimulate interest in the education of the architect by plate illustrations of fine examples of architecture and by articles, many of them translations, bearing on the theory of architecture.

Committee on Publication

H. W. GARDNER, 1894, *Manager*

Architectural Society

H. O. GLIDDEN, 1912

D. R. McENARY, 1913

E. P. NORBERG, 1914

Architectural Engineering Society

R. H. ANNIN, 1912

H. W. BARKER, 1913

H. W. BROWN, 1914



TECHNOLOGY REVIEW



THE TECHNOLOGY REVIEW, the official organ of the Alumni Association, is published monthly during the school year. Its object is to promote the welfare and advancement of the Massachusetts Institute of Technology by keeping its graduates, and others interested in its progress, in touch with it. In its articles are discussed the growth and expansion of the Institute, the general problems of education that pertain to it, and the important achievements, both in engineering and science, of its past students. It also reports in an informal way the action taken by the Corporation and Faculty, the meetings of the local alumni associations, the news relating to student organizations and to the social life of the Institute in general. It presents also the personal information obtained by the Class Secretaries in regard to the occupations and activities of former students.

Committee on Publication

WALTER BRADLEE SNOW, 1882

WALTER HUMPHREYS, 1897

ARTHUR AMOS NOYES, 1886

FREDERIC HAROLD FAY, 1893

Editor

ISAAC WHITE LITCHFIELD



WE NOW approach
a period long to
be remembered in
the history of
Tech. With the inauguration
of President Maclaurin, the
Institute embarked upon one
of the most progressive and
wonderful periods in its career,
a period of the greatest financial
prosperity.







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November 12, 1913	Franklin Square House	Boston
November 27, 1913	Joint Concert with Wesleyan	Jordan Hall
December 16, 1913	Winter Concert and Dance	Copley Hall
February 13, 1914	Framingham High School	Framingham
February 27, 1914	Congregational Church	Holliston
March 16, 1914	Lynn Educational Association	Lynn
March 20, 1914	Congregational Church	Natick
April 15, 1914	Spring Concert and Dance	Copley-Plaza
April 22, 1914	Masonic Temple.	Roxbury



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 ROCKET PARKINSON HOWLETT CARPENTER EKDAHL TISDALE PINKHAM ARMSTRONG
 COLDWELL CLARK DALTON TALLMAN SHEPARD BLAKELY WALTER
 STIMETS MARINE SHABACHER BAXTER



Leader

VERNON M. F. TALLMAN, 1914

Manager

MARSHALL B. DALTON, 1915

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HARVEY W. JACKSON, 1916
JAMES S. MARINE, 1917
BRUCE N. STIMETS, 1916
LEROY A. SWAN, 1917

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CHESTER A. CORNEY, 1914
KARL C. MASON, 1914
SIMPSON PARKINSON, 1916
HENRY E. SHABACHER, 1916
HENRY B. SHEPARD, 1916
RAY B. WALTER, 1916

First Basses

FRANK L. AHEARN, 1914
ARTHUR W. CARPENTER, 1913
MARSHALL B. DALTON, 1915
EDWARD A. EKDAHL, 1916
CLARENCE W. HOWLETT, 1915
ARTHUR W. JOHNSON, 1914
FRANCIS H. ROCKET, 1915
ELLIS S. TISDALE, 1915

Second Basses

LESTER E. ARMSTRONG, 1915
STANLEY M. BAXTER, 1913
GERALD W. BLAKELEY, 1914
EDWIN D. HAYWARD, 1914
CHARLES G. NORTON, 1915
HENRY P. PINKHAM, 1916
RALPH H. ROSS, 1917
ARTHUR M. TABBUTT, 1916
ALBERT S. THYBERG, 1917

Accompanist

SIDNEY E. CLARK, 1915

*Quartette**Tenors*

H. W. JACKSON, 1916
S. PARKINSON, 1916

Basses

G. W. BLAKELEY, 1914
A. M. TABBUTT, 1916





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	KING	DURYEA	TAYLOR	MOORHOUSE	DICKSON STERN
F. L. FORD					W. B. FORD



Leader

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Manager

GEORGE ROOT DURYEA, 1916

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ROSS HEWITT DICKSON, 1914	DONALD OREN HOOPER, 1915
GEORGE ROOT DURYEA, 1916	KENNETH THEODORE KING, 1915
RICHARD CHARLES FELLOWS, 1916	DAVID LONGFELLOW PATTEN, 1916
WENDELL BRADFORD FORD, 1917	EDWARD CURTIS TAYLOR, 1914

Second Mandolins

ALLEN ABRAMS, 1915	JOHN HILL HOLTON, 1917
HAROLD REUBEN BASSETT, 1915	ST. ELMO TOWER PIZA, 1915
ROBERT EVERETT HAYLETT, 1915	WALTER BEN RIVERS, 1915
FREDERICK WILLIAM DODSON, 1917	

*Mandolas**Guitars*

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FRANCIS EDWARD STERN, 1915	FREDERIC LESLIE FORD, 1917
FRED FLIEDNER GLEN, 1917	

'Cello

WILLIAM ALLEN BRYANT, 1914





	RIVERS	ALTHOUSE	STERN	
FORD	CLAUSSEN	BEADLE	SIMMONS	
DICKSON	MOORHOUSE	ACHARD	HULBURD	
	MANN	SHERMAN	DURYEA	



Leader

ALBERT C. SHERMAN, Jr., 1914

Manager

ROBERT W. MOORHOUSE, 1914

First Banjos

EDMUND G. BROWN, 1914

HOWARD G. MANN, 1916

RALPH S. RANKIN, 1913

ALBERT C. SHERMAN, 1914

GERALD W. THOMPSON, 1916

Second Banjos

GEORGE R. DURYEA, 1916

ROBERT W. MOORHOUSE, 1914

Guitars

WALTER J. BEADLE, 1917

HAROLD G. STORKE, 1914

DWIGHT P. THOMPSON, 1917

FREDERICK L. FORD, 1917

Tenor Mandolas

ALBERT SIMMONS, 1916

FRANCIS E. STERN, 1915

Banjolines

ALFRED K. ALTHOUSE, 1917

ROSS H. DICKSON, 1914

Violoncello

WILLIAM A. BRYANT, 1913

Drums and Traps

PHILIP E. HULBURD, 1917

WALTER B. RIVERS, 1915



YISH-KA-BIBBLE



ON the evening of March 7, 1914, a group of undergraduate students presented in Huntington Hall an original entertainment, entitled "Yish-Ka-Bibble," the proceeds of which were turned over to the Athletic Fund. A precedent was established by having dancing afterwards, and so well did the school respond that some five hundred dollars was cleared.

Irving B. McDaniel, 1915, and Kenneth T. King, 1915, opened the performance with an original musical act, in which they sang original songs. Harold O. Whitney, 1916, and Gale C. Shedd, 1914, followed, with their interpretations of the modern dances. After them came Charles P. Maguire, 1916, and James D. McIntyre, 1915, as black-faced comedians.

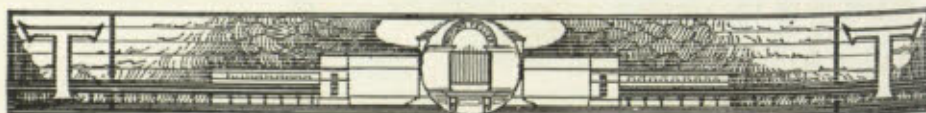
But probably that which made the entertainment, and will be long remembered by all those who attended, was a farce written by two of the English professors, entitled "Harvology." A take-off on the recent Harvard-Tech alliance, it presented one view of the situation. Harvard, because of the strong power of blood relationship, and Tech, because of fear that he might cause such a thing as an inefficient student to exist, deemed it only proper that they should sign a mysterious agreement which dropped from nowhere to their feet, that they might make happy a love-lorn couple. The cast included C. P. Fiske, 1914, R. H. White, 1916, E. G. Brown, 1913, W. T. Schaurte, 1914, G. E. Whitwell, 1914, and H. Worthington, 1915.

The management was as follows: stage, C. P. Fiske; business, T. J. Duffield; publicity, G. E. Whitwell; electrician, D. Hughes; assistant, W. Graves; property, P. M. Werlich.





	PLACE	HOWLETT	DALTON	MCINTYRE
FRANKS		SCULLY		WERLICH



COPLEY-PLAZA HOTEL

FRIDAY EVENING, April 17, 1914

*1914 Junior Prom Committee*FRANCIS PAUL SCULLY, *Chairman*

MARSHALL BERTRAND DALTON

JAMES BROWN FRANKS, Jr.

PERCIVAL McCENEY WERLICH

CLARENCE WEARE HOWLETT

JAMES DENNETT MCINTYRE

EVERETT EUGENE PLACE

Matrons

Mrs. RICHARD C. MACLAURIN

Mrs. EVERETT MORSS

Mrs. JASON NUXTER

Mrs. JASPER WHITING

Patronesses

Mrs. R. P. BIGELOW

Mrs. A. E. BURTON

Mrs. E. T. COLE

Mrs. C. B. DALTON

Mrs. H. P. DAVIS

Mrs. C. M. HOWLETT

Mrs. F. MCINTYRE

Mrs. E. F. MILLER

Mrs. S. P. SCULLY

Mrs. C. M. SPOFFORD

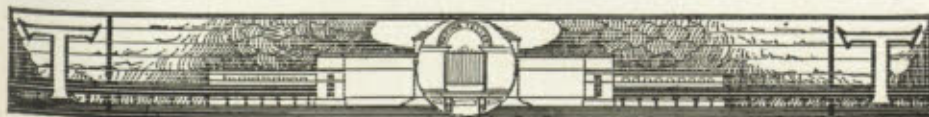
Mrs. H. P. TALBOT

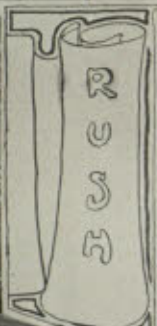
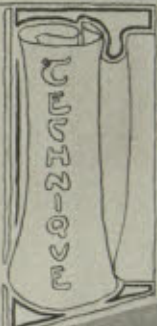
Mrs. H. WERLICH

Mrs. S. H. WOODBRIDGE

Winner of the Prom Waltz Competition

CHARLES HOWARD CALDER





- WINNERS
1. Ralph Leslie Fletcher
 2. John Willis Hines
 3. Charles Lester Morse
 20. Gabe Bowan Hilton

TECH SHOW

*"A Royal
Johnnie"*



CHANDLER '14

A ROYAL JOHNNIE



TECH SHOW, 1914, will give five performances this year. The Boston Opera House has been secured again, and there will be plenty of good seats for all who want to go. The opening performance will be held in Northampton on the evening of Tuesday, April 14. Then come the two Boston shows on Thursday, followed by the Providence and Malden performances on the Monday and Tuesday of the week after.

"A Royal Johnnie," the sixteenth annual Tech Show, was written by Edgar L. Kaula, 1916. The members of the Gummy Pi Fraternity are having an afternoon tea in the house during Commencement week, and among their number is Paul Vladak, Prince of Polyhemia, a Russian dependency. The people present are speaking of their future careers, and Paul declares that he will never return to his native country. The main reason for his not wanting to leave is because he would have to give up Alice, a chorus girl with whom he is infatuated. Besides, he has become an "imported American," having been away from his native land for over fifteen years.

Paul has no more than gotten the words out of his mouth when he receives a cable announcing the death of the king of Polyhemia, and further saying that the Premier will arrive that day to make the necessary arrangements for the prince's return. After much persuasion he decides to go back, but he refuses to break an engagement with Alice to meet the diplomat that evening, so Johnnie Simpson, a friend of his, agrees to see the ambassador. The crowd gradually disappears, and Paul discusses the situation with Simpson until it is time for him to meet Alice. As soon as the latter leaves, Ziang, his valet, instructs Johnnie in the art of being a prince. The Royal Council of Polyhemia has arranged a marriage between the prince and Princess Elaine of Aussersky, who happens to be the girl with whom Simpson fell in love during the previous summer in Europe. She was travelling incognito, so he did not know who she was, but he recognizes her from a photograph which Ziang produces.



Simpson is musing over his chances of ever marrying the princess when J. Adelbert Smith, son of Iron Smith, and a former Rahton student, comes in with the information that he is being sent to Polyhemia by his father to try to obtain some valuable iron mines belonging to that country.



Simpson tells him his troubles, and is left alone to work out his own salvation with the Premier, whose presence Ziang announces just after. The nobleman is ushered in, and all the necessary arrangements are made for the return trip. He has hardly left when the rest of the men come in and tell him that Paul has met with a serious accident, which will detain him in the hospital for four months. Johnnie refuses to go, but Ziang reminds him that the throne must be occupied within three months, else the country will revert to the Russian crown. This changes his attitude, and he decides to go.

The second act finds the Rahton students making merry in the garden of the royal castle of Vklavadoro, the capitol of Polyhemia. They have come to act as a bodyguard to Simpson, who has been crowned king. Smith has been made chief adviser, but neither one of the two is very happy, as their paths are beset with difficulties.

The Princess Elaine is to arrive that afternoon, and some plan must be discovered to convince her that Simpson is Paul. He cannot marry her as the prince, neither can he tell her the real state of affairs. Another difficulty is the suspicion of the Russian government that he is an impostor. Russia's only interest in Polyhemia lies in the rich iron mines that Smith is trying to buy. So far he has been unsuccessful, as the principal interest in the mines is held by the chief of an anarchist band which is striving to overthrow the government of the little country. The chief refuses to sell because of the friendship between Smith and the king. Alice, Paul's chorus-girl friend, who does not know that Paul was hurt, arrives on the scene seeking revenge, as she believes that the latter has deserted her for the throne of Polyhemia. She has become an anarchist, and the chief has fallen in love with her. Smith explains the situation to her, and she agrees to use her influence with the anarchist chief in obtaining the mines.

When the Princess Elaine arrives, Simpson succeeds in making her believe that he is Paul by telling her that he had assumed the name of Johnnie Simpson



while in Paris. His schemes, however, are frustrated by the Russian ambassador, who comes in with a clipping from an American newspaper, which tells of the discovery of Paul in a Boston hospital. He demands an explanation, and leaves, saying that he will return with an army at his back.

The situation seems hopeless, but Smith makes a last effort to obtain the mines. When he offers to make Polyhemia a republic, the anarchist chief gives him the mine out of gratitude.

The ambassador returns to take possession of the country in the name of the czar, but is forced to withdraw when he finds that the mines have become the property of an American citizen. Elaine consents to return to America with Simpson, and the curtain falls on the Americans as they are taking leave of Polyhemia.

SIXTEENTH ANNUAL TECH SHOW, 1914

"A ROYAL JOHNNIE"

A MUSICAL COMEDY, IN TWO ACTS

BOOK BY EDGAR L. KAULA, 1916

Lyrics by

FRANCIS S. CONATY, 1917
EDGAR L. KAULA, 1916
KENNETH T. KING, 1915

IRVING B. MCDANIEL, 1915
WILLIAM H. PRICE, Jr., 1914
GALE SHEDD, Jr., 1914

FRANK L. SURLS, 1914

Music by

ALLEN F. BREWER, 1913
EDWARD L. FONSECA, 1915
WALTER P. KEITH, 1914

KENNETH T. KING, 1915
IRVING B. MCDANIEL, 1915
FRANCIS P. SCULLY, 1915

FRANK L. SURLS, 1914

TECH SHOW BOARD



EDDY ROBERTS CARPENTER FLETCHER STEVENS COLEMAN McGRADY
MUNYAN LORD KEITH HUGHES LUCAS

General Manager, WALTER P. KEITH, '14

Assistant, DAVID L. SUTHERLAND, '14

Business Manager, CHARLES R. LORD, '16

First Assistants { CHARLES C. CARPENTER, '16
RALPH A. FLETCHER, '16

Second Assistants { LEON L. McGRADY, '17
C. H. M. ROBERTS, '17
HARRISON P. EDDY, '17

Stage Manager, DAVID M. HUGHES, '15

First Assistant, CARUTHERS A. COLEMAN, '16

Property Man, HIRAM Y. WATERHOUSE, '15

Electrician, WILLIAM L. GRAVES, '16

Second Assistant Stage Manager,
WILLIAM B. HUNTER, '17

Publicity Manager, E. W. VON C. LUCAS, Jr., '16

Assistant, RAYMOND S. STEVENS, '17

Treasurer, ARTHUR T. MUNYAN, '15

Alumni Advisory Committee

I. W. LITCHFIELD, '87

PRESIDENT OF THE INSTITUTE COMMITTEE

M. L. EMERSON, '04

MEMBERS OF THE CAST



<i>Jack Simpson</i> , a student at Rahton College	SIMPSON PARKINSON, 1916
<i>Prince Paul of Vladak</i> , heir to the throne of Polyhemia, also a student at Rahton	ARTHUR M. TABBUTT, 1916
<i>J. Adelbert Smith</i> , a former Rahton student, son of a millionaire mine-owner	GALE SHEDD, Jr., 1914
<i>Jim</i> , a student	IRVING B. McDANIEL, 1915
<i>Ziang</i> , valet to Prince Paul	FRANK T. YEH, 1914
<i>Karl de Krackernoise</i> , Baron Dynamitovitch, Premier of Polyhemia	RALPH H. ROSS, 1917
<i>Elaine</i> , Princess of Ausersky	ALBERT D. HILLER, 1914
<i>Alice</i> , a chorus lady	F. HASTINGS SMYTHE, 1913
<i>Russian Ambassador</i> , the Czar's representative at the Court of Polyhemia	RUSSELL H. WHITE, 1916
<i>Boschenka</i> , chief of the Polyhemian anarchists	ROSWELL M. RENNIE, 1915
<i>First Anarchist</i>	WILLIAM R. MACEWEN, 1914
<i>Second Anarchist</i>	WILLIAM F. JOHNSON, 1917
<i>Première Danseuse</i>	J. PAUL GARDNER, 1917
<i>Solo Dancers</i>	HAROLD O. WHITNEY, 1916
<i>The Wandering Cossack</i>	PAUL SHEDD, 1914
	KENNETH C. ROBINSON, 1912

MEMBERS OF THE CHORUS



Girls

BRUCE N. STIMETS, 1916
EVERETT S. COLDWELL, 1915
CLARENCE L. SMITH, 1915
J. RAYMOND RAMSBOTTOM, 1917

PHILIP N. CRISTAL, 1917
STEWART KEITH, 1916
JAMES E. WALLIS, Jr., 1917
WENDELL B. FORD, 1917

Men

HAROLD R. BASSETT, 1915
L. BIRD DUFF, 1914
GERALD W. BLAKELEY, 1914
F. W. DODSON, 1917
OSGOOD W. HOLT, 1917
LUTHER M. LAUER, 1917

JACK C. MORSE, 1914
GEORGE J. MOULTON, 1915
W. LARDNER OGDEN, 1916
PHILIP A. RUSSELL, 1914
WILLIAM B. SPENCER, 1915
LEROY A. SWAN, 1917
HERBERT D. SWIFT, 1915

Pony Ballet

CHARLES A. BIDWELL, 1915
DUDLEY E. BELL, 1917
VINCENTE F. CHECA, 1917
F. LESLIE FORD, 1917

KINGSLEY A. GILLESPIE, 1917
WALTER J. HAUSER, 1914
RICHARD T. WHITNEY, 1917
EDWARD S. COUCH, 1917

Russian Ballet

RICHARD HARDWICK, 1917
THOMAS E. HANNAH, 1917

HARRY E. WHITTEMORE, 1916
JOHN F. STAUB, 1915

TECH SHOW ORCHESTRA

Conductor

WILLIAM HOWARD

First Violins

ADOLPH M. EISENBERG, 1912 *Concert Master*

HERBERT W. ELLIS, 1916

HOWARD L. FOSTER, 1916

SAMUEL M. ELLSWORTH, 1916

EDWARD E. FREEMAN, 1916.

Second Violins

LESLIE A. HOFFMAN, 1917

EDGARTON G. POLLEY, 1917

W. G. WHITMAN, 1917

Viola

MILTON O. SCHUR, 1916

'Cellos

NELSON E. BAXTER, 1914

LEO I. DANA, 1917

Flute

HOWARD P. CLAUSSEN, 1916

Clarinets

LEO B. MILLER, 1915

FRANK S. GOVE, 1916

Cornets

FRANK D. CHANDLER, 1916

JOHN S. LITTLE, 1915

Horns

SIGURD T. HELSETH, 1915

CHARLES W. FRY, 1915

Bass

HARRY I. LEWIS, 1915

FRANK L. SURLS, 1914

Trombones

STEPHEN R. HOLMES, 1915

GEORGE D. SPEAR, 1917

Oboe

EUGENE M. FISKE, 1914

Drums

PHILIP E. HULBURD, 1917

WALTER B. RIVERS, 1915

Piano

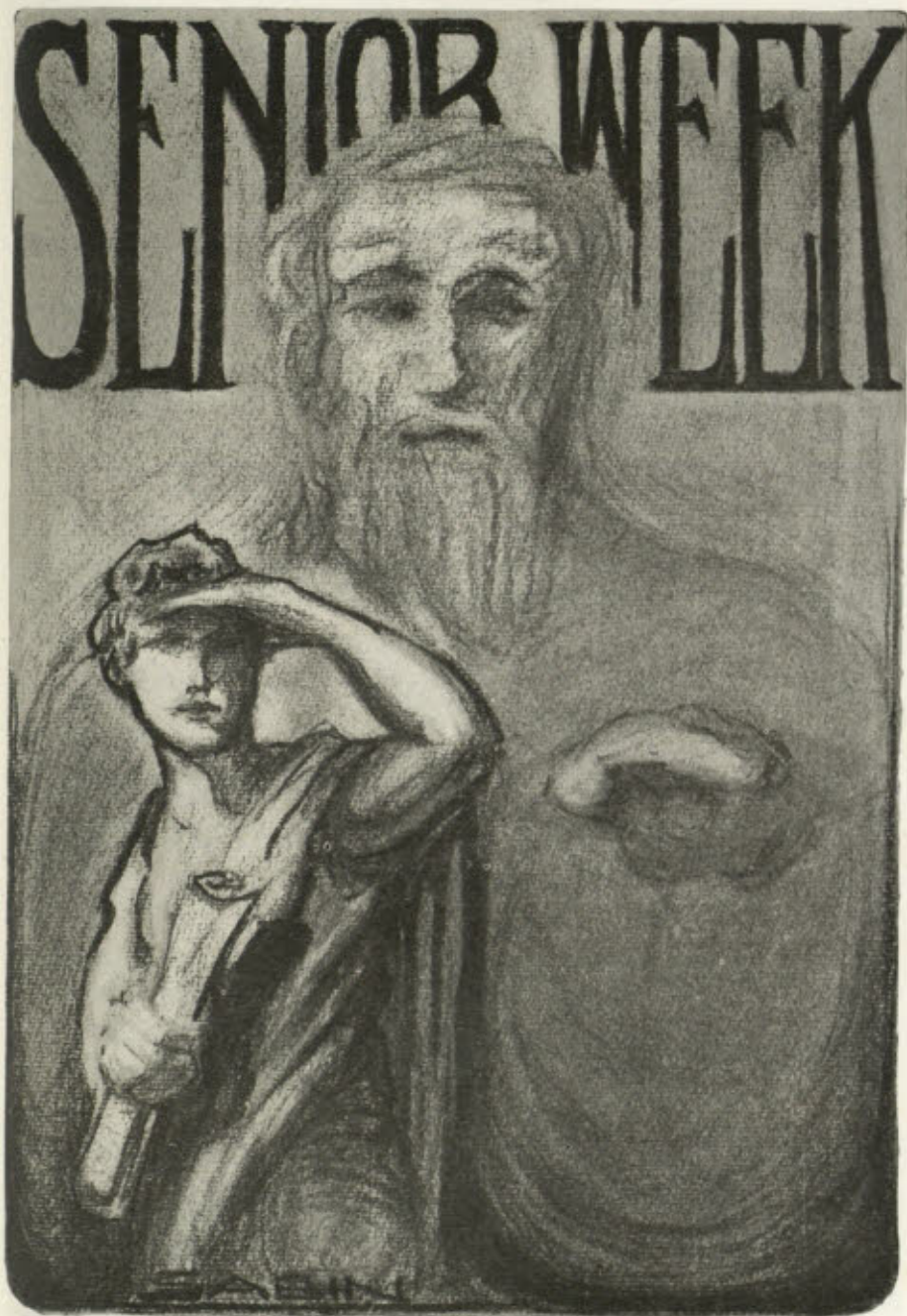
ALBERT J. TONRY, 1917

Accompanists

ERLING B. STOCKMAN, 1915

IRVING B. McDANIEL, 1916

WALTER B. RIVERS, 1915





CLASS OF 1913

THURSDAY, JUNE 5

CLASS DINNER Copley Square Hotel, 6.30 P.M.

SUNDAY, JUNE 8

BACCALAUREATE SERMON Trinity Church, 4 P.M.

MONDAY, JUNE 9

CLASS DAY EXERCISES Huntington Hall, 2.30 P.M.

SENIOR DANCE AND RECEPTION Hotel Somerset, 8.00 P.M.

TUESDAY, JUNE 10

GRADUATION EXERCISES Huntington Hall, 2.30 P.M.

PRESIDENT'S RECEPTION Rogers Library, 4.00 P.M.

ALUMNI SMOKER Mechanics Building, 8.00 P.M.





CLASS DAY

Class Day Program

PRESIDENT'S ADDRESS	WILLIAM RHOADES MATTSON
CLASS HISTORY	EUGENE LELAND MACDONALD
GIFT ORATION	ALGERNON TUTTLE GIBSON
CLASS PROPHECY	LIONEL HENRY LEHMAIER
FIRST MARSHAL'S ADDRESS	HARRY DEXTER PECK

Class Day Officers

WILLIAM RHOADES MATTSON	<i>President</i>
HARRY DEXTER PECK	<i>First Marshal</i>
LAURENCE COLLETT HART	<i>Second Marshal</i>
ALFRED GARDNER RANNEY	<i>Third Marshal</i>

Class Day Committee

ROBERT DALAND BONNEY	LIONEL HENRY LEHMAIER
CLARENCE WILLIAM BRETT	EUGENE LELAND MACDONALD
ALLEN FRANK BREWER	WILLIAM RHOADES MATTSON
ELLIS WETHRELL BREWSTER	FREDRICK DAVID MURDOCK
WALTER ROBERT BYLUND	ROBERT BRADLEY NICHOLS
JOSÉ MANUEL CADENAS	HARRY DEXTER PECK
HENRY KENNETH FRANZHEIM	HAROLD MORRILL RAND
EDWARD BENNETT GERMAIN	ALFRED GARDNER RANNEY
HENRY ORANGE GLIDDEN	JOSEPH JOSLIN STRACHAN
LAURENCE COLLETT HART	GEOFFREY RICE THAYER
RAYMOND BONTECOU HAYNES	ROLAND CHARLES THOMPSON
WILLIAM NORMAN HOLMES	MAX LEON WATERMAN
MILES ERSKINE LANGLEY	ROBERT WALCOTT WEEKS



COMMENCEMENT



On June 10 President Maclaurin conferred degrees upon 269 students, 248 of whom received the degree of Bachelor of Science, 20 the degree of Master of Science, and 1 the degree of Doctor of Philosophy.

The following representative theses were read:—

LAURENCE COLLETT HART	Sanitary Engineering
An Investigation of the Pollution of Beverly Harbor with a Plan for the Treatment of the City Sewage.	
EDWARD EPHRAIM SMITH, 2D	Biology and Public Health
An Investigation of the Relation of the Optimum Growth-temperature of Bacteria to their Death-rates under Starvation Conditions at Various Temperatures.	
HAROLD GIBBONEY BRUNER	Chemical Engineering
An Efficiency Test on a Drying Loft and the Carrier Humidifier at the Plant of the Ludlow Manufacturing Associates.	
LESTER FRANCIS HOYT	Chemistry
An Investigation of Double Polarization Methods for Sucrose Determination.	
KENNETH BRADLEY BLAKE	Electrochemistry
The Action of Pure Nitrogen or Pure Calcium, Carbide.	
JOHN PIERREPONT CONSTABLE	Naval Architecture
Experiments on Cowl Ventilators.	
KENNETH DAVIS HAMILTON	Mechanical Engineering
Torque and Pressure Twist Drills.	
WALTER LUCIUS WHITEHEAD	Mining Engineering and Metallurgy
The Geology of Rattlesnake Hill Granite of Sharon, Mass.	
PATRICK DONALD HORGAN	Architecture
A Design for the Monumental Treatment of a Dam to commemorate the Government's Improvement of Inland Waterways.	
FREDRICK DAVID MURDOCK	Civil Engineering
A Study of the Stresses in a Transmission Line Tower.	
HENRY EDWARD RANDALL, JR.	Electrical Engineering
Skin Effect in Solid and Stranded Conductors.	





The
Institute
Committee



HOWLETT	WYMAN	CROWELL	LOOMIS			
TREAT	CHOW	WHITTEN	MORRILL	BEACH	RICHMOND	
DIXON	KEITH	SCULLY	DORRANCE	DAWSON	SNOW	TAYLOR
HULBURD	DEAN	DUFF	BELL			



President

ARTHUR CALBRAITH DORRANCE

Vice-President

FRANCIS PAUL SCULLY

Secretary-Treasurer

CARL WILBUR WOOD

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1914

ARTHUR CALBRAITH DORRANCE

LESLIE WHITMORE SNOW

ELMER ELLSWORTH DAWSON, Jr.

1915

FRANCIS PAUL SCULLY

CLARENCE WEARE HOWLETT

CARL WILBUR WOOD

1916

CHARLES WHEELER LOOMIS

PAUL HARRINGTON DUFF

KEMERTON DEAN

1917

PHILIP EDWIN HULBURD

LOUIS ERNST WYMAN

DUDLEY EDWARDS BELL

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HAROLD RYDER CROWELL	Editor-in-Chief TECHNIQUE
WALTER PARAMORE KEITH	General Manager Tech Show
RALPH DEWEY SALISBURY	General Manager Musical Clubs
MILES ERSKINE LANGLEY	Technology Christian Association
FRANCIS WHITTEN, Jr.	Architectural Society
ROSS HEWITT DICKSON	Chemical Society
PHILIP EVERETT MORRILL	Civil Engineering Society
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HOWARD WOLCOTT TREAT	Mechanical Engineering Society
ZIANG YIEN CHOW	Cosmopolitan Club
GEORGE ALBERT BEACH	Union Committee





Chairman

GEORGE ALBERT BEACH —

Members

PARRY KELLER, 1915

HORACE LESLEY BICKFORD, 1916



Chairman

HAROLD RYDER CROWELL

Vice-Chairman

GEORGE ROBERT URQUHART

Secretary-Treasurer

THEODORE FRANKLIN SPEAR

Members

WALTER MURRAY AFRICA

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CHARLES WILBUR FRY

THOMAS AMORY DEBLOIS FESSENDEN

FRANCIS FISHER FULTON

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GABE BOUCK HILTON

GREVILLE GEORGE HASLAM

MOSES EBENEZER HILL

CLARENCE WEARE HOWLETT

DAVID MULVANE HUGHES

TERENCE ROY JOHNSON

HENRY LORENT LEEB

JOSEPH MASON LIVERMORE

IRVING BARRY MCDANIEL

LOUIS FRANCIS QUIRK

HENRY PALMER SABIN

FRANCIS PAUL SCULLY

WALLACE SENTENY THOMAS

VIRGIL EMERY WARDWELL

STEPHEN TAYLOR WOODBRIDGE





FROM its company infancy in 1865, the Cadet Corps has grown through the forty-eight plank-tramping, gun-shouldering years to burst forth in October, 1912, glorying in the title of "The Regiment." Under Major Edwin T. Cole, U.S.A., retired, as Commandant, the tactical organization has been expanded to meet the increasing size of Freshman classes, and to give more men experience in commanding. The Corps is now a regiment of two battalions, with men from the three upper classes commissioned as regimental, battalion, and company officers.

The new order of things has adorned the officers with gilt shoulder-knots, the adjutants with golden tassels, and the "non-coms" and privates with light blue breast-cords to match the stripes that encircle their caps. To these belongs much of the credit for the brilliancy of the Military Hop held on Friday, February 20, at Horticultural Hall. They have lightened the gloomy cavern of the Armory, and have filled the balcony each drill day with attractions that have given officers and men that happy and unmilitary upward gaze.



ROSTER OF THE CADET REGIMENT

Cadet Colonel LEICESTER F. HAMILTON, *Commanding Regiment*
Cadet Lieut.-Col. CHARLES H. CHATFIELD, *Commanding First Battalion*
Cadet Major HAROLD T. BENT, *Commanding Second Battalion*
Cadet Major PARRY KELLER
Cadet Major THEODORE D. PARSONS
Cadet Captain CHESTER R. GARDNER, *Regimental Adjutant*
Cadet Captain BERNARD LANDERS
Color Sergeant WILLIAM L. DENNEN

FIRST BATTALION

Cadet Lieut.-Col. CHARLES H. CHATFIELD
Cadet Lieut. JOSEPH W. BARKER, *Battalion Adjutant*

Company "A"

Cadet Captain MAURICE F. BRANDT
Cadet Lieut. LEONARD STONE
Cadet Lieut. LAWRENCE W. BARRETT
Cadet 1st Sergt. WALTER J. BEADLE
Cadet Sergt. ROBERT GANNETT
Cadet Sergt. FRANCIS P. BILL

Company "C"

Cadet Captain JAMES A. TOBEY
Cadet Lieut. ALLEN L. GILES
Cadet Lieut. WILLIAM G. BROWN
Cadet 1st Sergt. EDWARD SPENCER
Cadet Sergt. JOHN H. HOLTON
Cadet Sergt. SAMUEL CLAYMAN

Company "B"

Cadet Captain CLARENCE W. HARVEY
Cadet Lieut. ROBERT E. DEMERRITT
Cadet Lieut. RALPH MILLIS
Cadet 1st Sergt. EDWARD V. POLLARD
Cadet Sergt. FREDERICK W. DODSON
Cadet Sergt. FORREST P. SHERMAN

Company "D"

Cadet Captain FREDERICK A. W. DAVIS
Cadet Lieut. HORACE L. BICKFORD
Cadet Lieut. FRANCIS E. STERN
Cadet 1st Sergt. CLAUDIUS H. M. ROBERTS
Cadet Sergt. AUGUST P. FARNSWORTH
Cadet Sergt. DONALD N. SWAIN

SECOND BATTALION

Cadet Major HAROLD T. BENT

Company "E"

Cadet Captain HAROLD A. STORKE
Cadet Lieut. ERLING B. STOCKMAN
Cadet Lieut. ALBERT C. LIEBER, Jr.
Cadet 1st Sergt. HORATIO N. KEENE
Cadet Sergt. LESTER A. WILLIAMS
Cadet Sergt. GEORGE W. RUSSELL

Company "G"

Cadet Captain HOWARD G. BORDEN
Cadet Lieut. HOWARD A. HANDS
Cadet Lieut. THOMAS F. MCSWEENEY
Cadet 1st Sergt. RICHARD W. LOGAN
Cadet Sergt. FRANK E. PEACOCK
Cadet Sergt. HOWARD S. THOMPSON

Company "F"

Cadet Captain GEORGE N. ALTHOUSE
Cadet Lieut. PAUL H. DUFF
Cadet 1st Sergt. HAROLD H. MURPHIE
Cadet Sergt. EARL C. LEWIS
Cadet Sergt. LOWELL CADY

Company "H"

Cadet Captain BRADFORD S. CURTIS
Cadet Lieut. GEORGE W. WYMAN
Cadet 1st Sergt. JOHN H. RAMSBOTTOM
Cadet Sergt. WILLIAM B. HUNTER
Cadet Sergt. HERBERT L. BONE





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ANDREW DUGALD MACHLACHLAN

Directors

THE PRESIDENT OF THE INSTITUTE, *ex officio*

ERNEST KERR, 1914

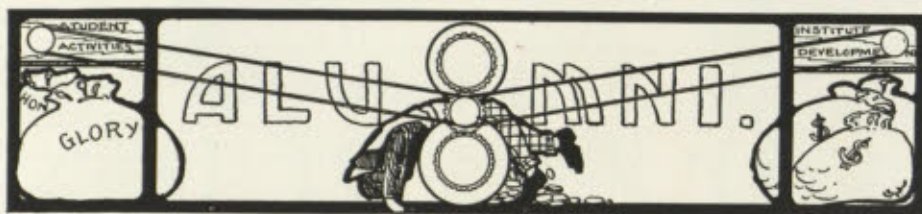
JOHN WILLIS HINES, 1914

KARL CARSON MASON, 1914

PERCIVAL McCENEY WERLICH, 1915

ANDREW DUGALD MACHLACHLAN, 1896





COUNCIL OF THE ALUMNI ASSOCIATION

Officers of the Association

<i>President</i>	JASPER WHITING, 1889
<i>Vice-Presidents</i>	{ WILLIAM H. KING, 1894 HENRY J. HORN, 1888
<i>Secretary-Treasurer</i>	WALTER HUMPHREYS, 1897

Executive Committee

THE PRESIDENT, VICE-PRESIDENTS, AND SECRETARY-TREASURER	
HERBERT N. DAWES, 1893	JOSEPH H. KNIGHT, 1896
MERTON L. EMERSON, 1904	JAMES F. McELWAIN, 1897

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Class Representatives

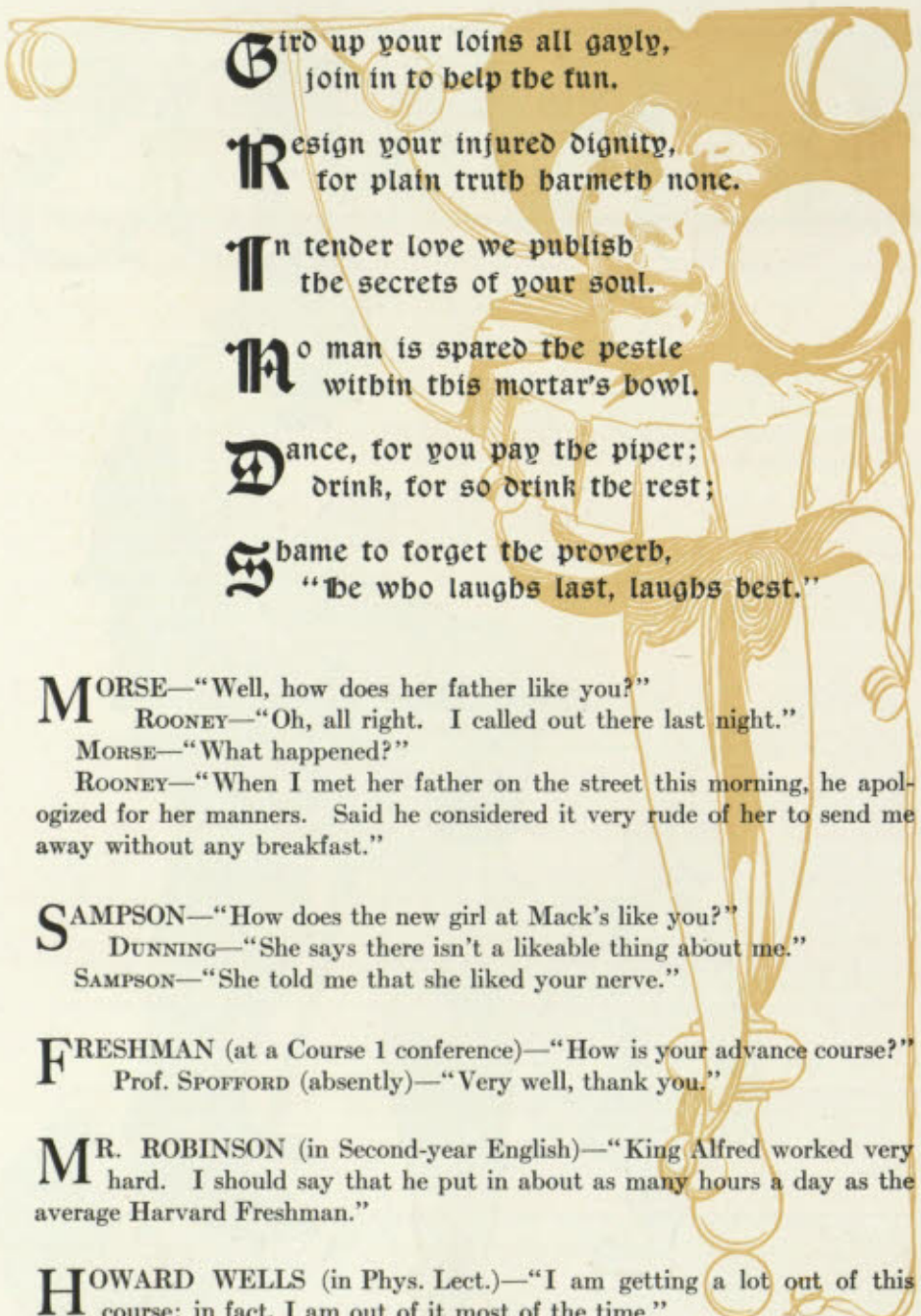
1868, R. H. RICHARDS	1884, H. W. TYLER	1899, H. J. SKINNER
1869, H. A. CARSON	1885, I. W. LITCHFIELD	1900, N. J. NEAL
1870, E. K. TURNER	1886, A. A. NOYES	1901, ROBERT L. WILLIAMS
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1874, GEORGE H. BARRUS	1890, WILLIAM Z. RIPLEY	1905, G. DeW. MARCY
1875, THOMAS HIBBARD	1891, ARTHUR H. ALLEY	1906, JOHN J. DONOVAN
1876, C. T. MAIN	1892, LEONARD METCALF	1907, LAWRENCE ALLEN
1877, JOHN ALDEN	1893, FREDERIC H. FAY	1908, H. T. GERRISH
1878, C. M. BAKER	1894, S. C. PRESCOTT	1909, CARL W. GRAM
1879, E. C. MILLER	1895, ANDREW D. FULLER	1910, HERBERT S. CLEVERDON
1880, GEORGE H. BARTON	1896, J. ARNOLD ROCKWELL	1911, ORVILLE B. DENISON
1881, JOHN DUFF	1897, C. W. BRADLEE	1912, RANDALL CREMER
1882, JAMES P. MUNROE	1898, SETH K. HUMPHREY	1913, W. R. MATTSO
1883, HORACE B. GALE		



GRINDS



OR FREEMAN



Gird up your loins all gayly,
join in to help the fun.

Resign your injured dignity,
for plain truth harmeth none.

In tender love we publish
the secrets of your soul.

No man is spared the pestle
within this mortar's bowl.

Dance, for you pay the piper;
drink, for so drink the rest;

Sbame to forget the proverb,
"Be who laughs last, laughs best."

MORSE—"Well, how does her father like you?"

ROONEY—"Oh, all right. I called out there last night."

MORSE—"What happened?"

ROONEY—"When I met her father on the street this morning, he apologized for her manners. Said he considered it very rude of her to send me away without any breakfast."

SAMPSON—"How does the new girl at Mack's like you?"

DUNNING—"She says there isn't a likeable thing about me."

SAMPSON—"She told me that she liked your nerve."

FRESHMAN (at a Course 1 conference)—"How is your advance course?"

Prof. SPOFFORD (absently)—"Very well, thank you."

MR. ROBINSON (in Second-year English)—"King Alfred worked very hard. I should say that he put in about as many hours a day as the average Harvard Freshman."

HOWARD WELLS (in Phys. Lect.)—"I am getting a lot out of this course; in fact, I am out of it most of the time."

WE HAVE with us this evening Frank Paul Scully. Oh, girls, isn't he cute! Yes, that is a picture of him in his Football suit. I should say that he was some athlete. Yes, he plays such a rough game of tennis. What, Agnes, you mean to say that you have never heard of him? Impossible! Why, he is our Class President. Did we elect him on a dare? Why, girls, that is insulting to him. You ought to see him dance. And then he is so clever on the piano! Oh, yes, he did write a couple of pieces for the Tech Show, but of course they didn't do him justice. There isn't a thing he can't do, and then he makes such lovely Class Dinner talks! Now, when do all you girls want to meet him? What? None of you want to meet FRANK PAUL SCULLY? Why? Oh, because he is too wonderful?



IN CHEM.

PROF.—“What is an acid radical?”

KIRK DAY—“A radical? It's a square root sign.”

Kirk is some glass blower as well. Ye-ah, he runs cold water on the glass to cool it off.



PROF. DRISKO (at the beginning of every recitation)—“I once had a night student from the Watertown arsenal who gave me a lot of valuable information about guns.”

WILSON: (in Advanced Calculus)—“Figures sometimes suggest things to us that we cannot see in any other way.”



YES, indeed, it was a cold night. See, he is over the register; but he could only get six horse-blankets and twelve robes, so he had to use some carpets. How cleverly he has arranged it so his head won't freeze! Ah—I know him—it is Petit, the Architect.

JOE WOOD—"Say, Bill, have you found your overcoat that you lost yet?"

BILL TALLMAN (ruefully)—"Nope."

JOE WOOD—"Well, why don't you advertise in *THE TECH*?"

BILL TALLMAN—"My overcoat can't read."

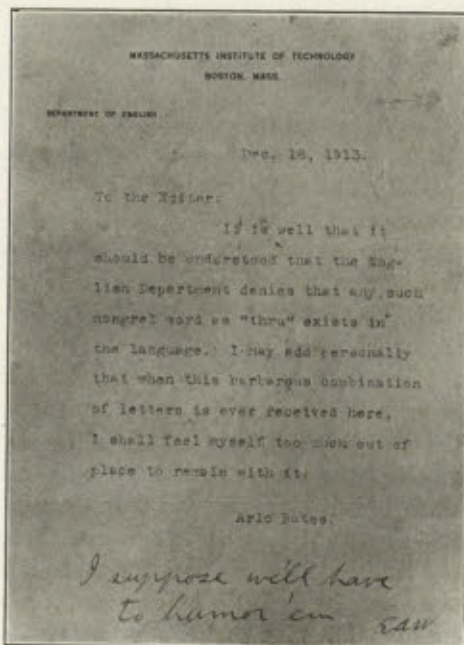


LUTHER (in Hydraulics)—
"Now, gentlemen, I will run quickly through this solution."

VOICE FROM THE REAR—"Ha, his annual bath."

GEORGE U. (during a TECHNIQUE meeting)—"And then what about DEWEY?"

THE BRUTE (waking up)—
"Do we what?"



STORY WITH A POINT, OR THE VANISHED VANISHING POINTS

SPASM 1.

IT WAS a balmy April day, and Spring had at last firmly established herself. The birds were twittering, the leaves were fluttering, and the perfumed air stealing in thru the open windows made the architects pause in their haste and their weary, maddening toil. Ah, footsteps were heard stealthily approaching the supply-room of Andy Mack's in the Pierce Building, when a voice re-echoed thru the halls, "Ignuts, give me six vanishing points." Instantly a throng collected, clamoring mightily for the cherished points. In vain did Ignuts, the able salesman, look for the vanishing points. Neither on the shelves nor in the drawers were any to be found. Finally, an idea penetrated the marble-ivory combination that Ignuts used for a dome, for he nonchalantly responded, "They must have vanished." How the mob did storm and tear! Beyond human restraint, they gathered Ignuts lovingly in their arms, and only by his dire promises of having them on the morrow was he allowed to go unlynched.

SPASM 2.

Andy Mack was smiling softly to himself as he opened a box of Cuban sticks worth about a cartwheel apiece. Selecting a weed carefully, he tenderly placed it between his molars, and lighted it with his diamond bedecked lighter. He sighed a sigh of content, and leaned back leisurely to figure up his income tax, when in rushed Ignuts, our noble hero, breathlessly. Without waiting for an invitation to participate in the weeds, he blurted out, "Kinihavesomevanishingpoints?" Before Andy could respond to this courteous question, a blond siren with the watery lamps trickled in, and, tickling Andy playfully under the chin, coyly asked, "Where does 'ouse keep 'ouse vanishing points, tweet-ums?" At her heels came the rest of the sirens "en masse," and, after much adjusting of hips, they also demanded the same precious article. Like Captain Kidd, Andy gathered his horde about him, and started in quest of the hidden treasure. Ransacking Boston's most beautiful store from head to top revealed them not. In vain did Andy pull his flowing locks, and, turning desperately to his bewildered audience, he bellowed: "My order won't be in until to-morrow morning. Be sure that they make a deposit on their orders."

SPASM 3.

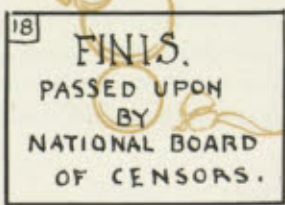
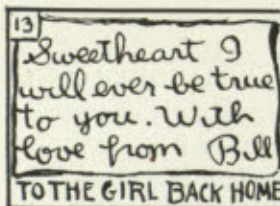
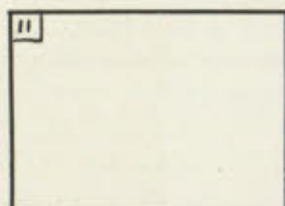
It was with the feeling that Napoleon felt at Waterloo that Andy returned to his office. Clutching the 'phone eagerly, he saw a way out of his difficulties. After telling the operator seven times that he did not want to send a messenger, he obtained a wholesale house. Alas! they had not any. No, they couldn't tell him when they would have any in. Oh, yes, indeed, they kept them, but at present they were sold out. House after house he called in vain, only to always receive the same answer. Having a trained intellect, Andy sat down, and by deductive reasoning he guessed that perhaps Professor Lawrence might know something about the vanishing points. Andy's only reason for believing this, however, was because Lawrence was teaching that course,—such is the power of deductive reasoning. For nine consecutive hours he besieged the Lawrence abode, but to no avail, for the house was without its master.

SPASM 4.

Andy Mack (talking at ten o'clock that evening)—“Hello, hello,—is this Professor Lawrence? . . . This is Andy Mack talking. . . . No, Andy Mack. . . . YES, ANDY MACK. Well, what about those vanishing points? . . . Oh, I see, you absolutely need them to-morrow, do you? . . . Can you describe one to me? . . . YES, DESCRIPTION. . . . Yes, I see, it is longer than it is wide, but not as tall as it is thick. . . . I don't get it very well: have you got one? . . . It is over in your office, is it? . . . Well, I will be over there early to-morrow morning.”

SPASM 5.

With eyes glittering with joy, Andy Mack visited the lair of Professor Lawrence. AT LAST he had found an article which he could sell at a higher price than it actually cost him, thereby deriving a profit. WHAT JOY, to be able at last to earn money! With trembling hands he opened the door and breezed in, giving his characteristic call, “Say, Lawry, old boy, git me next to de points.” Lawrence gravely handed him the last word in text-books on Perspective, for was it not written by him (he admits it himself, so that proves it)? but let us continue. Andy, gazing at a marked paragraph, was finally imbued with the idea that “Vanishing points are imaginary points on the horizon to which objects are said to vanish towards and by meeting them at infinity they thus become”— With a cry of pain Andy let the book fall to the floor, and blindly stumbled out of the room and down the stairs.





LOOK AT THE ATHLETIC HEADING

NOW you are ready for the argument that the Technique Board had about it. They were discussing the æsthetic qualities of it, and after much argument our little Henry Leeb spoke up, "There is much to be said on both sides."

D. E. BELL—"No woman ever made a fool of me."

BUCK DORRANCE — "Who did, then?"

BOGGS—"Art cut me on the street the other day."

BOGGSIE—"He must have been edged."

PROF. DEWEY—"You may take the second question, Mr. Marion."

MARION (coming out of a doze)—"Yes, sir. I think it would, sir."



SUGGESTIONS FOR THE FRESHMAN BIBLE CONCERNING RULES FOR THE FRESHMEN

- RULE 1**—If entering a class late, walk in quietly on the toes. Striding in on the hands or sliding up the aisle on the left ear is almost sure to cause commotion, and might possibly annoy those who are trying to sleep.
- RULE 2**—Never have your hair cut or wear a shave. There are men here, like Handsome Hatless Hughes, who do not indulge in such superfluous niceties, and your action would tend to build up class distinctions. The absence of a collar and tie also makes towards good feeling.
- RULE 3**—Do not sit around in your shirt-sleeves. You will find trousers more comfortable for the lower limbs, and the percentage of co-eds is gradually increasing.
- RULE 4**—When young, innocent, pure school-girls pass by on their way to Trinity Station, it is perfectly correct to lean out of the window, and yell at them like this: "Ah, there, Tessie!" or "What's your hurry, Gladys?" This is a convincing proof that you have an easy address and a graceful freedom in your dealings with Huntington Avenue Smart Set. It is not correct, however, to pour water and other liquids at them or to throw wet towels,—it isn't done this year.
- RULE 5**—If a young lady slips in front of Rogers Steps, do not rush to pick her up. She may not be that kind.
- RULE 6**—If any of your professors yell out in class, "Order!" do not be backward in stating whether you prefer light or dark.
- RULE 7**—Whenever you meet a member of the Faculty, always touch your hat, but not the professor, as it may be a poor season for tutoring, and he might have left all his change at home.
- RULE 8**—If you have a condition to make up, you cannot get in condition by going on a toot the night before. If you have to make up your work, be sure and use an extensive use of inventive faculties, so that they will be able to see readily that you made up your work.
- RULE 9**—Be particularly careful of your table manners in the Union. Never eat with your knife unless long practice has fitted you to do so without cutting your mouth. Also Freshmen are not allowed to eat peas.
- RULE 10**—If you are dining out, and the family is accustomed to silent grace, wait until heads are bowed and all are silent, then look up brightly, and exclaim, "It must be twenty minutes after."

RULE 11—If you have accepted an invitation to dinner, do not forget to make your bread-and-butter call. This affords your hostess an opportunity to question you concerning any silver which may have disappeared on the night of the dinner.

RULE 12—When dancing at Blackwell Hall, be careful not to collide with the other dancers. The artificialities of effete society are here done away with, and "knockdowns" are unnecessary.

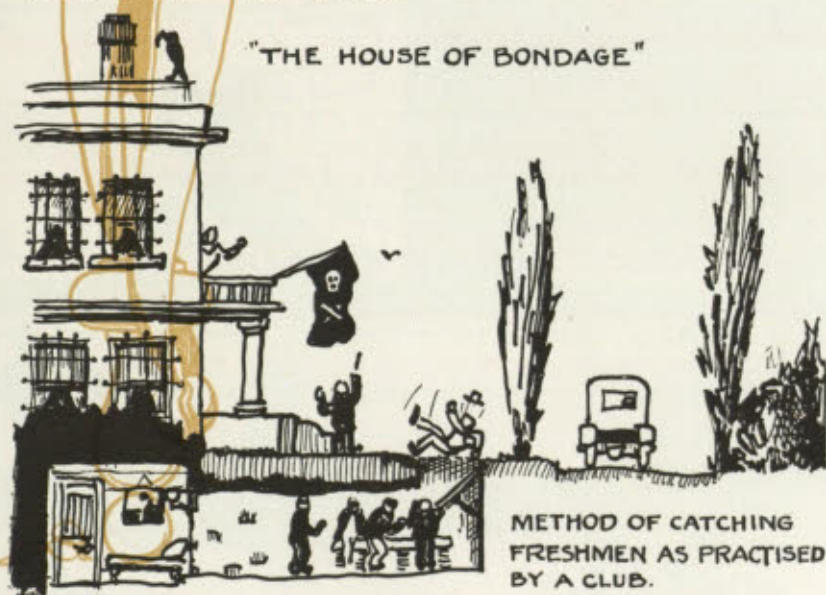
RULE 13—If you fall while dancing at the Spring Concert, and your partner attempts to cover your confusion by remarking, "How slippery the floor is!" smile sweetly while you are cussing under your breath, and say, "Yes, I just tumbled to it."

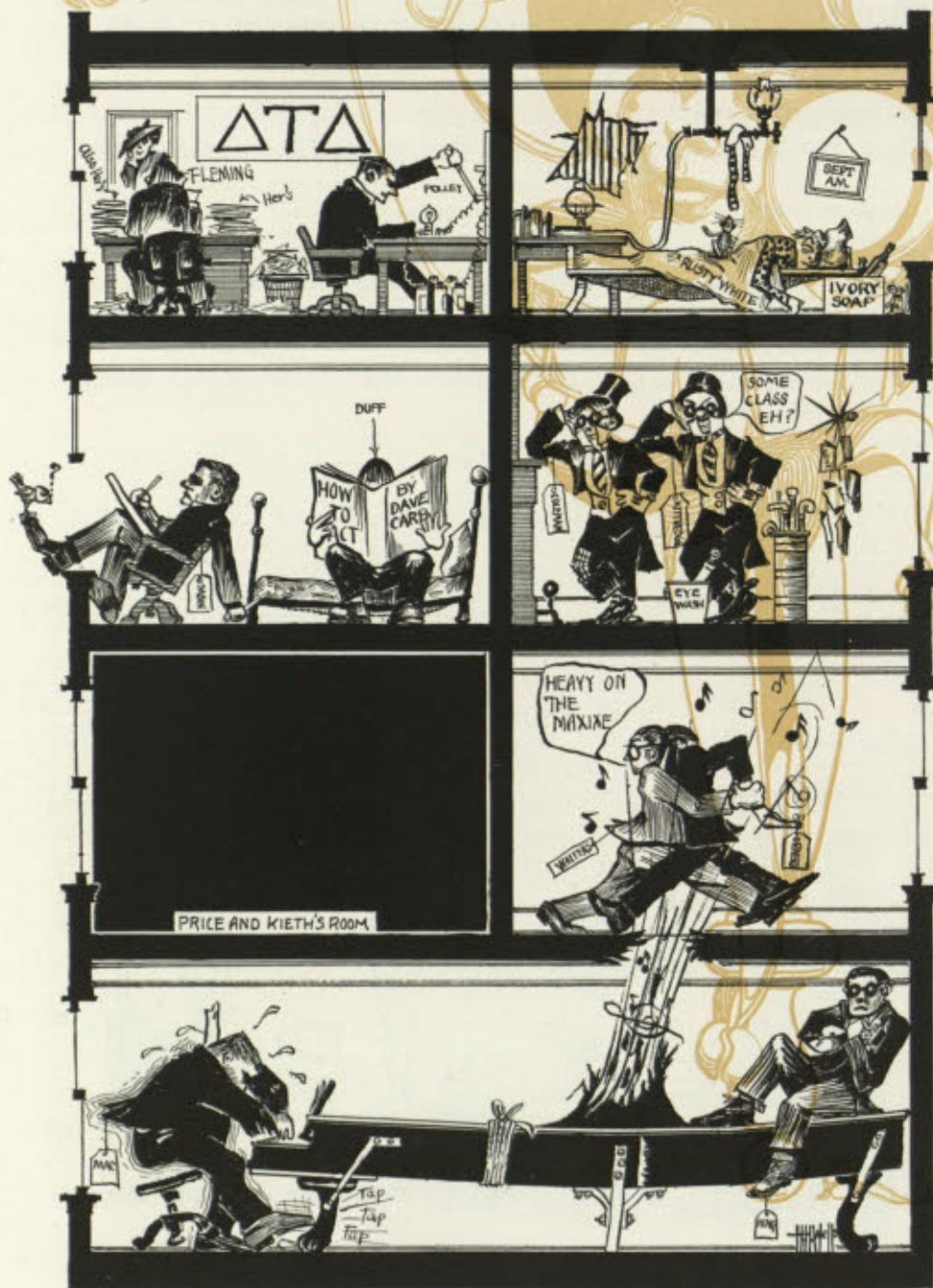
RULE 14—Be sure and pay your respects to the patronesses, even though you did blow in.

RULE 15—Never flash a burning glance at the face of a society beauty,—the powder may ignite.

RULE 16—If one of the ladies inadvertently displays an undue amount of lingerie, do not appear shocked or disgusted. Help her over the difficulty with a merry exclamation, like "Hitchy-koo."

RULE 17—Never at the Spring Concert step on a débutante's "coming-out gown," because—well—because.





"I TOLD him not to see me any more."

"Well, what did Ken do?"

"He turned out the lights."

LIEBER—"Going to make any Christmas presents this year?"

TOWNEND—"Yep, it is cheaper than buying them."

SHE—"But it is terribly cold in the house. The fire is out."

BILL CHANDLER (absently)—"Fine! we will be all alone."

DR. HITCHCOCK—"Calculus is good for any one. You might have to figure out your income tax some day."

NEMO NEWLIN—"Did you catch her under the mistletoe last night?"

KEN SULLY—"No, but I am going to take her on a sleigh-ride tonight."

PROF. GEORGE—"A fool can ask more questions than a wise man can answer."

We agree with you. No doubt that is why so many of us flunk out in our exams.



K. T. KING (on one of his numerous fussing parties)—“Why, if it wasn’t for me, Tech wouldn’t have won the track meet.”

THE MAID—“Is that so? Which side were you on?”

WE are glad to help the Daily Tech,
And rejoice whenever Tech wins,
But more than all the rest, we’re glad
That Stern wasn’t twins.

GRIND—“What sort of a fellow is James?”

ANOTHER GRIND—“Absolutely helpless without a corkscrew.”



CO-ED—“Do you believe that love makes the world go round?”

PROF. PAGE—“Ahem, of course not. The earth first acquired its rotary motion when thrown off from the sun in a nebulous form, its centrifugal force being counteracted to a certain extent by the superior attraction of the solar body from which it originally emanated.”

DENKINGER (on receiving report)—“Ah, I see that the Faculty has given me my degree.”

FELLOWS—“What do you mean, degree?”

DENKINGER—“Two L’s and a D.”

DR. COMSTOCK—“You can take a gyroscope that is going so fast that it is as much as your life is—well, it is spinning pretty fast.”



PERCY McSWEENY WERLICH, stepping gingerly into the room, surveyed Percival McSweeney Werlich, who was busily engaged in rolling a cigarette. And, gazing at him admiringly for three hours, he broke the silence by exclaiming, "By George, Percival, you are getting to be a handsome fellow!"



Percival regarded Percy, and, twirling his mustache, he replied with warmth, "Do you know that you are a mighty fine-looking fellow, too?"

Agreeing in perfect harmony with themselves, they seated themselves on the lounge and shook hands. Such is the bond of friendship.

After another admiring session for about three hours, it was Percival who broke the silence this time by musing, "Percy, do you realize what a fine fellow you are? Here you came from Europe without a friend, and then see how great you were your Freshman year."

"It was practically the same with you, and, with all that, weren't you elected your second year to the presidency of the Class of 1915?"

"Well, I knew, of course, that I would get it all the time. I envy you, though. Everything that happens at the Institute, you are the main support. I understand that you are going to get some spats."

A fevered flush spread o'er his face. He gasped, "I saw you at church on Go-to-Church Sunday." With that innermost understanding that only the great possess, they again clasped hands and each silently admired the other for three hours more.



INTRODUCING Howard H. Wells—"Here we have him as he really is, while on the opposite page we have him as he would fain have us believe him. You can't fool all of us all of the time."

KELLER tried to get away with this in Poly Con.—"Silver dollars are so plentiful down in the West Indies that when you get a ten-dollar bill changed you get seven or eight of them."



PROF. WILSON—"A current filament represents a small string of juice."

TUESDAY, NOVEMBER 20, 1913.

THE TECH STILL HAS VACANCIES TO FILL

An Opportunity No One Should Let Go By—Candidates Meet in Union Tomorrow.

The attention of the Freshmen and Sophomores is again called to the meeting of candidates for THE TECH which is to be held tomorrow in the lower TECH office in the Union. It is scarcely necessary to mention that this is the most important of the other activities are dependent upon THE TECH for their publicity. Men who work on the paper come to know perhaps a greater number of students than anyone else and consequently become better known to themselves. For those who wish to make a mark at Technocracy, no better opportunity is afforded.

The Freshmen should consider carefully one of the current topics of interest on the Technocracy Central Committee, which is the first thing that every undergraduate looks forward to about all others, is by first having been on THE TECH. Then, if he has been prominent here, his chances for making the Technocracy Board are increased.

Perhaps the most important factor of all is the rounding out of one's character. The book learning which the Institute offers is but just half of the student's education. The highest paid engineer is not worth a cent of books, but the man who can handle men.

PROF. DEWEY—"The value of land on Milk Street is very high. This not because goods can be sold at a higher price at this point than at any other in the city. For instance, stationery cannot be sold at a higher price on Milk Street than at MacLachlan's."

C. A. BLODGETT (who is writing the reaction of Potassium Iodide on Sulphur):



Proceeds more favorably in the dark, and is often accompanied by slight explosions.

ANNOUNCEMENT.

A DANCE will be held in Professor HALL on Limon Nite by the students of Electrochemistry in the Massachusetts Institute of Technology. Professor HALL is located at the end of Wheatstone Bridge, about one kilometer from Least Square. Dancing will commence promptly at the Moment of Inertia. The order of the dances is given below:—

1. Galvanometer Swing.
2. Gravity Balance.
3. Magnetic Dip.
4. IR Drop.
5. Casse Role.
6. Beaker Break.
7. Characteristic Curve.
8. Cantilever Strut.
9. Cupellation Spill.
10. Jolly Balance.

INTERMISSION.

11. Hysteresis Curve.
12. Gyroscope Precession.
13. Universal Chuck.
14. Ampere Turn.
15. Isothermal Waltz.
16. Button Balance.
17. Adiabatic Two-step.
18. Hydraulic Press.
19. Polarimeter Rotation.
20. Short Circuit.

Floor Director, D. V. RENSHULL.

Aides, N. T. GRALL, D. RIVATIVE, AIRTHER MOMETER.

The tickets go on sale on Stib Nite, and will be sold at the specific reaction rate. Must be paid for with checks good to 0.2 per cent.

At intermission Mr. A. B. Kerr, caterer, will serve distilled water, methyl orange, magnetic flux, and π .

"THE LIFE OF
AN
ARCHITECT"
PASSE FILM CO.



SANS FINIS
PASSED BY
NATIONAL BOARD
OF
CENSORS



"Oh Gladys, let's wait. Here is a car with a higher step."

3 G.M.

CONDUCTOR—"What street do you want?"

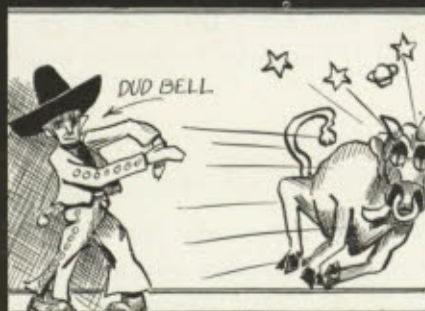
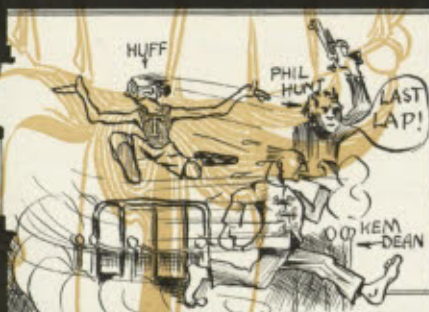
RENNIE—"What street (hic) have ya' (hic) got?"

WHITE—"Are you going to drive down to Bridgeport? Why don't you look up Peb Stone?"

WHITNEY—"Oh, I'll probably run across him."

PROF. MEAD (to a student who is rendering a snow scene)—"Dam it, we aren't teaching you fellows to design snow."





THE CURSE OF LIQUOR,
OR
WHY STUDENTS SIN

Dramatis Personæ

JIMMY JAMES	Himself
DAVE HUGHES	Himself
TERRY JOHNSTON	Herself

Place: The Westminster "Salle di Beer"

Time: After the Class Dinner

ACT ONE

(Enter *J. J.*, *D. H.*, and *T. J.* They approach the bar, and *J. J.* barks his shin on the æsthetic foot-rail.)

J. J. (recklessly)—"Just for that, I am going to have a drink. [Aside] They'll all admit that I have been around some when they see me do this. [Aloud] Bartender, bartender, bring me a menu."

ACT TWO

J. J. (at bar)—"Do you have to get checks from the cashier as at Huyler's? What? No? Well, companions, what will you have?"

D. H.—"One beer split. [Aside] I wonder how that sounded."

T. J.—"One champagne shake. [Aside] That made the bartender sit up and take notice."

J. J.—"Well, I guess I will be reckless and have an oyster cocktail. [Aside] I wonder if that is what the fellows say."

ACT THREE

(*All exit, singing, "We are the devils of the class."*)

OVERHEARD IN POLY CON

AMBITIOUS STUDENT (discussing wealth)—“What would happen if John D. Rockefeller should go to Europe with a million dollars in gold in his pockets?”

Prof. DEWEY (thoughtfully)—“Well, I guess he would bust his pants.”

GRIND—“Is Miss Passion very fast?”

SOcial BEAR—“Fast? I should say so! Why, she just told me that she has covered five laps already this evening.”

PERCIVAL WERLICH—“The other night I heard a story that gave me such a start.”

THE BORED DAMSEL—“I wish I knew it.”

That's all right, Percy, old boy, you sure know how to roll cigarettes in the Copley-Plaza.

CARB—“How funny! This novel says, ‘She picked up her skirts and ran.’”

ROGBERS—“What's funny about that?”

CARB—“It ought to be, ‘She picked up her skirt and tried to run.’”



"HELLO, is this Francis Edward Stern? . . . This is *TECHNIQUE*, 1915, talking. . . . Yes, you guessed it right off the bat. We want to interview you. . . . Oh, you don't want us to write you up very big . . . about five or six pages? . . . Do you think we can do you justice in so small a space? . . . I see, you have been expecting us to interview you, and you have it all written up. That's fine, but can't you give us an idea over the wire? . . . Yes, we have a few questions we would like you to answer. Did you ever play on the All-Swiss Hockey Team? . . . Oh, I see, it was the All-Mexican Hockey Team. Then you must be a Mexican athlete. . . . Have you ever engaged in any other? . . . Oh, you played on the Iceland Lawn Tennis Team, and you were also Official Photographer at the Olympic Games. . . . What else did you have written up about yourself? . . . Um—you were the principal in last year's Tech Show. Then you can speak any language, can't you? Won't you tell us some more? . . . What . . . you're too modest. Well, Mr. Stern, we want to thank you for the interview, for no *TECHNIQUE* would be complete without your life history. . . . Yes, indeed, we agree with you that you are the most talented and versatile man in the Institute."

HE—"Since you lost that bet, I think that I can claim the forfeit."

SHE—"I really don't know what you mean, and besides some one might see us."

Andy said that that happened to him, but that he didn't want any one to know it. Sure, we can keep a secret.

PHIL HULBURD—"My, but this scale is terribly unsensitive! I can't seem to make one arm go down without the other one going up."



"TECHNIQUE" 3, "THE TECH" 0

THEY say that the only time that String Hill was known to stay awake for more than a half-hour at a time in Huntington Hall was Chinese Night, when he was holding hands with a girl.

ACTUALLY, ACTUALLY.

TECH CHORINE—"Well, I go on in a few minutes."

SMITHITE—"Don't let me keep you."

T. C.—"You couldn't, it costs too much."



WILL SOME ONE KINDLY TELL US—

HOW the history exams. are marked?

Why only half the necessary data is given with a precision problem?

Why we studied descript?

Who stayed up all night to think up the fool questions at the end of the Freshman Chemistry experiments?

How the final mark in Phys. Lab. is deduced?

Who wrote the best book on Thermodynamics?

Who designed the seats in our lecture-rooms?

What to do with all the T-squares and drawing-boards we have accumulated?

Why Free-hand Drawing and Surveying hold such high places in the Institute (five flights)?

FREDDY HURLBUTT (in Phy. Elect. Lab. to instructor)—“Where will

I find the apparatus for the experiment, conductivity by electrolysis?”

Another of his,—“Can I do the Bunsen Burner to-day?”

HAHN, '15 (in Applied)—“Resilience? Why, resilience is—er—a—is a—why, resilience is a come back.”

McINTYRE ventured this,—“Shouldn't the secretary in Course II. (Sanitary Eng.) be a girl because she is a Plummer?” The groans having ceased, we thank you, gentlemen.

NEMO LEEB (taking an inventory after a smoker)—“Well, I got away with two cigars, six cigarettes, a cigar lighter, and four sandwiches, but I couldn't find any paper to wrap the sandwiches in, and they got all busted up in my pocket.”

Too bad, Hen, old boy; you must have had a rotten time.

ZOOLOGY TEACHER—"Edgar, what is the highest form of animal life?" **EDGAR**—"The giraffe."

DUFF—"How do you like my singing?"
SURIS—"I've heard Caruso, Constantino, and Rivers, but you are better still."



SPROUT

I WISH I WERE TWINS—LISTEN

OH, GLADYS, I hear that you are engaged to one of the Shedds."
 "Yes."

"How do you ever tell those twins apart?"

"I don't try to."

CLARK—"Why do they print these jokes in the programme of a musical comedy?"

HOWELL TAYLOR—"So the audience will have something to laugh at."



FRESH REPORTER (nervously)—
 "I don't know whether it is the right thing or not for THE TECH, but I have written an article on all the secret handclasps of all the fraternities."

WEAVER (eagerly)—"At last we have a story of gripping interest."

If you're nothing but a student
 Never think that you can walk,
 Study, idle, sneeze or whistle,
 Travel, scintillate or talk,
 Incubate an egg, or wander
 Through the mazes of your mind,
 Unless first you pray for pity
 To the Institute Committee:
 Emperor and Tsar combined.

Cringe to Us, your Masters;
 Order your steps in our ways.
 Mutter: we'll curse with disasters.
 Mouth only words in our praise.
 Infinite glory is ours;
 Tinkering all we please;
 Throwing the Bull for hours.
 Emperor! King! The Powers!
 Empress! and Royal Wheeze!

FIRST SOPH.—“I hear that you saw Carb's little skit at ‘Yish-ka-Bibble’ last night. Who played the hero?”

SECOND SOPH.—“I did. I sat through the whole thing.”

HELEN (earnestly)—“Bob, I want to ask you a question.”

BOB D. (very earnestly)—“Why, what is it, sweetheart?”

HELEN (e'en more earnestly)—“Bob, if you had never met me, would you have loved me just the same?”

DR. COMSTOCK (at the last recitation in Physics of First Term)—
 “Well, for the next time we will take a—the—”

VOICE IN THE REAR—“Next time is the exam.”

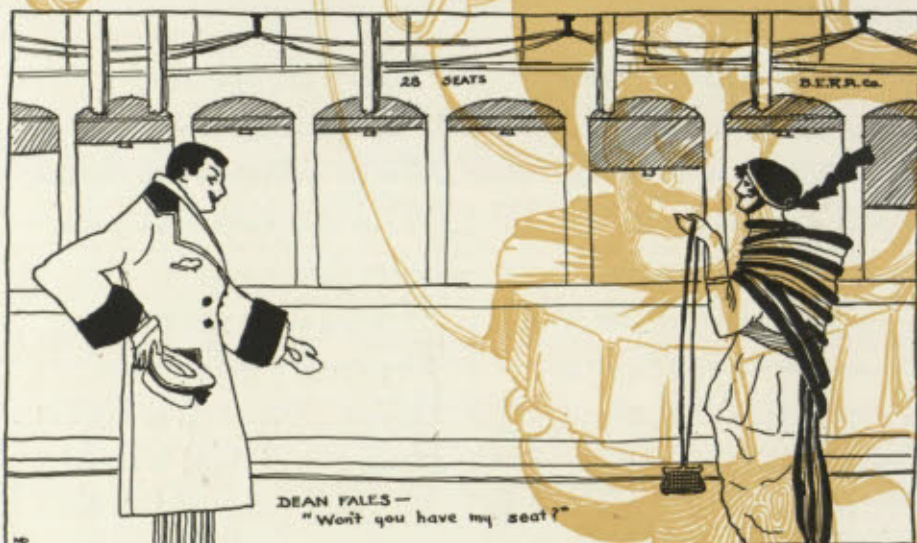
DR. COMSTOCK—“Then God bless you, my children.”

PICKERING (to Prof. Hitchcock)—“Well, then, theoretically that wouldn't be true mathematically, would it?”

IN RAILROAD ENGINEERING

“ARE all the railroads in the West standard gauge now?”

PROF. ALLEN—“I'm not sure. I haven't been out there since I came back.”



THOMAS AMORY DEBLOIS FESSENDEN (Yes, he owns every one of those names)—“I asked her if I could see her home.”

GEORGE WHITWELL—“What did she say?”

THOMAS AMORY DEBLOIS FESSENDEN—“She said for me to come up and give it the once over any time.”

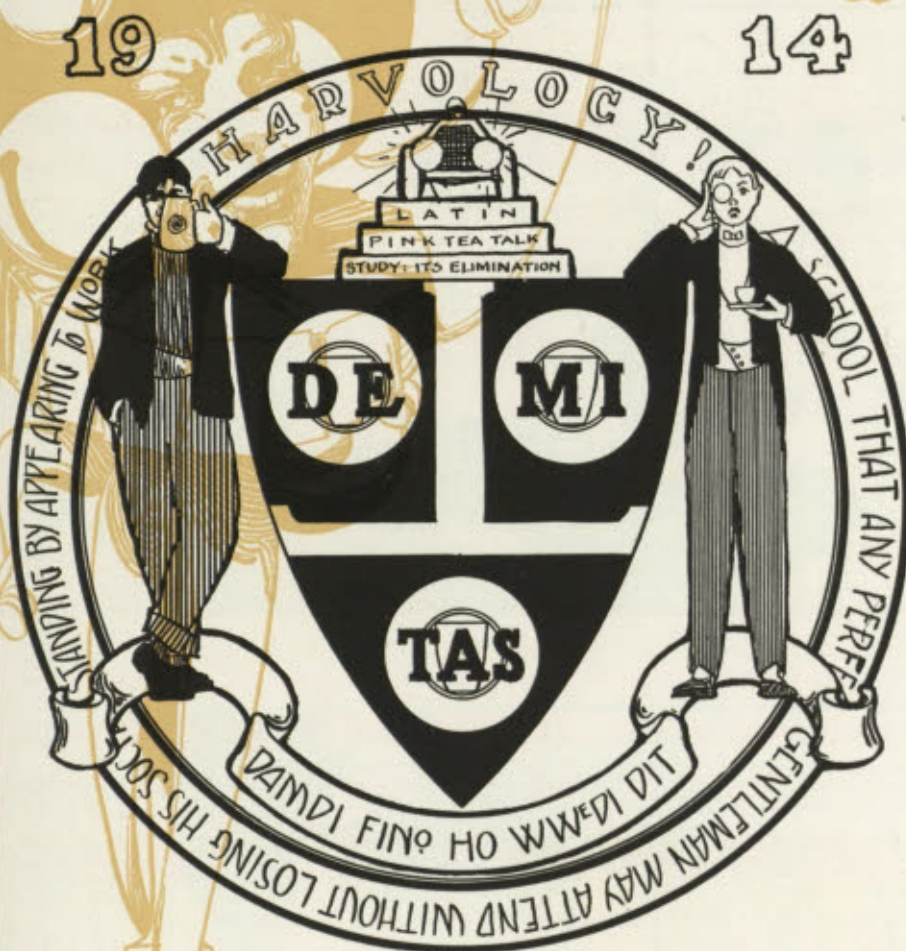


WORTHINGTON—“I hear that Carb has done a lot for the American Drama.”

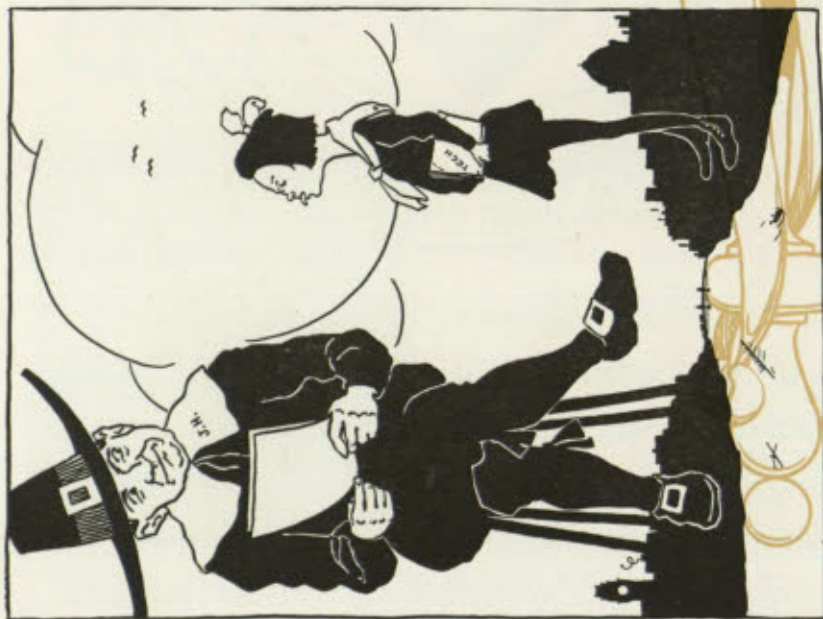
BROWN—“How's that?”

WORTHINGTON—“He never wrote a play.”

SHE waited at the church in vain. Where could the bridegroom be? “I fear this wedding will go off Without a hitch,” said she.



Founded as a means of obtaining one tenth of its present income, this remarkable institution can, by "a slight change in its present four yr. course" eliminate the true Tech-man and obtain a wonder of science, a Tech graduate brought upon McIlenn's food and Harvard.



FUNNY WHAT A DIFFERENCE

THE
(HARVARD LAMPOON)



A FEW YEARS MAKE

"AHVUD LIKES TO THINK OF IT THIS WAY, BUT WE SHOULD WORRY



FUNNY HOW EASILY

(THE TECHNIQUE IDEA OF THE SAME.)

A FEW YEARS WILL TELL



NOT THAT WE LOVE AHVUD LESS BUT LOVE TECH MORE.



GENERAL INFORMATION





THE Institute has a record registration this year of 1,685 students, an increase of 74 over last year. Massachusetts sends 56 per cent., or 954 of the total. There are only 8 co-eds in attendance this year, compared with 14 last year.

Last year's graduating class contained 267 members, compared with 258 the year before. Of these 2 received degrees after attending the Institute for one year, 27 for two years, 34 for three years, 160 for four years, and 44 for five years.

There is an increase of 18 in the instructing staff over last year, which makes the ratio of instructors to students 1 to 6.2.

There are 245 graduate students in attendance this year, representing 96 American and 17 foreign institutions.

There are 113 foreign students this year, compared with 100 last year. China sends 42 of this number.

Mechanical Engineering has the largest total enrolment this year, of 279. Civil Engineering is second with 209, and Electrical Engineering third with 196.

Summer school of 1913 had a registration of 405, and Summer Camp, 80.



The average age of the first-year students is 18 years, 11 months, while that of the last graduating class was 23 years, 1 month.

The Walker Memorial Fund now amounts to \$139,008.91.

The following table shows the yearly registration since the foundation of the Institute:—

<i>Year.</i>	<i>Number of Students.</i>	<i>Year.</i>	<i>Number of Students.</i>
1865-66	72	1890-91	937
1866-67	137	1891-92	1,011
1867-68	167	1892-93	1,060
1868-69	172	1893-94	1,157
1869-70	206	1894-95	1,183
1870-71	224	1895-96	1,187
1871-72	261	1896-97	1,198
1872-73	348	1897-98	1,198
1873-74	276	1898-99	1,171
1874-75	248	1899-00	1,178
1875-76	255	1900-01	1,277
1876-77	215	1901-02	1,415
1877-78	194	1902-03	1,608
1878-79	188	1903-04	1,528
1879-80	203	1904-05	1,561
1880-81	253	1905-06	1,466
1881-82	302	1906-07	1,397
1882-83	368	1907-08	1,415
1883-84	443	1908-09	1,462
1884-85	579	1909-10	1,481
1885-86	609	1910-11	1,509
1886-87	637	1911-12	1,566
1887-88	720	1912-13	1,611
1888-89	827	1913-14	1,685
1889-90	909		



CONCERNING

Name	Location	Founded	President	No.
Alabama Polytechnic Institute	Auburn, Ala.	1872	Charles C. Thach, A.M., LL.D.	1
Albion College	Albion, Mich.	1861	Samuel Dickie, A.M., M.S., LL.D.	2
Allegheny College	Meadville, Pa.	1815	Rev. William H. Crawford, D.D., LL.D.	3
Amherst College	Amherst, Mass.	1821	Alexander Meiklejohn, Ph.D.	4
Armour Institute	Chicago, Ill.	1893	Rev. Frank W. Gunsaulus, D.D., LL.D.	5
Bates College	Lewiston, Me.	1864	Rev. George C. Chase, D.D., LL.D.	6
Baylor University	Waco, Tex.	1845	Samuel P. Brooks, LL.D.	7
Beloit College	Beloit, Wis.	1846	Rev. Edward D. Eaton, D.D., LL.D.	8
Berea College	Berea, Ky.	1855	Rev. William G. Frost, Ph.D.	9
Boston University	Boston, Mass.	1869	Rev. Lemuel H. Murlin, D.D.	10
Bowdoin College	Brunswick, Me.	1794	Rev. William D. Hyde, D.D., LL.D.	11
Brown University	Providence, R.I.	1764	Rev. W. H. P. Faunce, A.M., D.D.	12
Bucknell University	Lewisburg, Pa.	1846	John H. Harris, Ph.D., LL.D.	13
Case School of Applied Science	Cleveland, Ohio	1881	Charles S. Howe, B.S., Ph.D.	14
Central University	Danville, Ky.	1819	Frederick W. Hinnitt, Ph.D.	15
Clafflin University	Orangeburg, S.C.	1872	Rev. Lewis M. Dunton, A.M., D.D.	16
Colgate University	Hamilton, N.Y.	1819	Elmer Burritt Bryan, LL.D.	17
College of the City of New York	New York City	1847	Rev. John H. Finlay, D.D., LL.D.	18
College of the Holy Cross	Worcester, Mass.	1843	Joseph N. Dinand, S.J.	19
College of William and Mary	Williamsburg, Va.	1693	Lyon G. Tyler, M.A., LL.D.	20
Colorado College	Colorado Springs, Col.	1874	Rev. William F. Stocum, A.B., D.D., LL.D.	21
Colorado School of Mines	Golden, Col.	1874	William G. Haldane	22
Columbia University	New York City	1754	Nicholas M. Butler, Ph.D., LL.D.	23
Cornell University	Ithaca, N.Y.	1865	Jacob G. Schurman, D.Sc., LL.D., A.M.	24
Cumberland University	Lebanon, Tenn.	1879	Rev. Winsted P. Bone, A.B., B.D., A.M., D.D.	25
Dartmouth College	Hanover, N.H.	1769	Earnest Fox Nichols, Sc.D., LL.D.	26
Delaware College	Newark, Del.	1834	George A. Harter, Ph.D.	27
De Pauw University	Greencastle, Ind.	1837	Rev. George R. Grosse, D.D.	28
Dickinson College	Carlisle, Pa.	1783	Eugene A. Noble, LL.D.	29
Drake University	Des Moines, Ia.	1881	Hill M. Bell, A.M., LL.D.	30
Fisk University	Nashville, Tenn.	1866	Rev. George A. Gates, D.D., LL.D.	31
Franklin and Marshall	Lancaster, Pa.	1853	Henry H. Appel, LL.D.	32
George Washington University	Washington, D.C.	1821	Charles H. Stockton, LL.D.	33
Georgetown University	Washington, D.C.	1789	Alphonsus J. Donlon, S.J.	34
Grinnell College	Grinnell, Ia.	1848	J. W. T. Main, Ph.D.	35
Harvard University	Cambridge, Mass.	1636	Abbott Lawrence Lowell, A.B., LL.B., LL.D.	36
Haverford College	Haverford, Pa.	1834	Isaac Sharpeless, LL.D.	37
Howard University	Washington, D.C.	1867	Rev. Stephen M. Newman, D.D.	38
Indiana University	Bloomington, Ind.	1824	William L. Bryan, A.B., A.M., Ph.D.	39
Johns Hopkins University	Baltimore, Md.	1876	Ira Remsen, LL.D., M.D., Ph.D.	40
Kentucky University	Lexington, Ky.	1836	James K. Patterson, Ph.D., LL.D.	41
Kenyon College	Gambier, Ohio	1825	Rev. William F. Pierce, L.H.D.	42
Lafayette College	Easton, Pa.	1832	Rev. E. D. Warfield, D.D., LL.D.	43
Lake Forest College	Lake Forest, Ill.	1858	John S. Nollen, Ph.D.	44
Lehigh University	South Bethlehem, Pa.	1866	Henry S. Drinker, E.M., LL.D.	45
Leland Stanford, Jr., University	Stanford University, Cal.	1891	John C. Branner, LL.D.	46
Louisiana State University	Baton Rouge, La.	1860	Thomas D. Boyd, LL.D.	47
Marietta College	Marietta, Ohio	1835	George W. Hinman, Ph.D.	48
Mass. Agricultural College	Amherst, Mass.	1867	Kenyon L. Butterfield, LL.D.	49
Mass. Institute of Technology	Boston, Mass.	1865	Richard C. MacLaurin, LL.D., Sc.D.	50
Middlebury College	Middlebury, Vt.	1800	John Martin Thomas, A.M., D.D., LL.D.	51
New York University	New York City	1832	Elmer Ellsworth Brown, LL.D.	52
Northwestern University	Evanston, Ill.	1851	Abram W. Harriss, LL.D.	53
Oberlin College	Oberlin, Ohio	1833	Rev. Henry C. King, D.D.	54
Ohio State University	Columbus, Ohio	1873	Rev. W. O. Thompson, D.D., LL.D.	55

THE COLLEGES

No.	Stud'ts	Inst's	College Colors	Annual	Co-educational	Tuition	Resources
1	737	61	Orange and Blue	<i>Glomerata</i>	Yes	\$20	\$1,001,000
2	500	26	Pink and Green	<i>Junior Annual</i>	Yes	40	604,000
3	403	24	Blue and Gold	<i>Kaldron</i>	Yes	60	1,371,000
4	502	50	Purple and White	<i>Olio</i>	No	140	4,546,000
5	624	65	Yellow and Black	<i>Integral</i>	No	150	4,186,000
6	478	21	Garnet	<i>Bulletin No. 1</i>	Yes	75	1,398,000
7	1079	78	Green and Gold	<i>Round Up</i>	Yes	60	909,000
8	409	30	Gold	<i>Codex</i>	Yes	75	1,947,000
9	1358	67	Cream and Blue	<i>None</i>	Yes	None	1,564,000
10	1567	133	Scarlet and White	<i>The Hub</i>	Yes	140	4,900,000
11	398	64	White	<i>The Bugle</i>	No	75	3,414,000
12	975	91	Brown and White	<i>Liber Brunensis</i>	Yes	105	6,697,000
13	636	48	Orange and Navy Blue	<i>L'Agenda</i>	Yes	50	1,080,000
14	503	40	Brown and White	<i>The Annual</i>	No	100	3,560,000
15	206	22	Cardinal and Blue	<i>Cardinal and Blue</i>	No	50	892,000
16	207	9	Orange and Maroon	<i>Bulletin</i>	Yes	30	488,000
17	580	52	Maroon	<i>Salmagundi</i>	No	60	3,012,000
18	4322	239	Lavender	<i>Register</i>	No	None	7,609,000
19	557	35	Purple and White	<i>The Purple</i>	No	60	809,000
20	224	20	Orange and White	<i>Colonial Echo</i>	No	40	529,000
21	695	61	Gold and Black	<i>The Tiger</i>	Yes	50	2,168,000
22	342	21	Silver and Blue	<i>Bulletin</i>	No	150	880,000
23	3895	445	Light Blue and White	<i>Columbian</i>	Yes	150	43,194,000
24	4412	652	Cornelian and White	<i>Cornelian</i>	Yes	100	17,356,000
25	289	20	Green, White, and Blue	<i>Phoenix</i>	Yes	50	417,000
26	1230	106	Dark Green	<i>Aegis</i>	No	125	7,151,000
27	159	23	Blue and Gold	<i>Junior Annual</i>	No	60	507,000
28	1040	59	Old Gold	<i>The Mirage</i>	Yes	None	1,275,000
29	552	32	Red and White	<i>The Microcosm</i>	Yes	100	1,348,000
30	1586	126	Blue and White	<i>Quax</i>	Yes	90	1,342,000
31	479	38	Blue and Gold	<i>None</i>	Yes	20	474,000
32	515	28	Blue and White	<i>Oriflamme</i>	No	80	1,310,000
33	1277	176	Buff and Blue	<i>Cherry Tree</i>	Yes	150	776,000
34	1265	176	Blue and Gray	<i>Hodge Podge</i>	No	150	2,518,000
35	658	49	Scarlet and Black	<i>Junior Annual</i>	Yes	70	1,942,000
36	4101	618	Crimson	<i>None</i>	No	150	28,483,000
37	150	22	Scarlet and Black	<i>None</i>	No	150	3,701,000
38	1382	114	Blue and White	<i>University Journal</i>	Yes	None	1,847,000
39	2122	263	Cream and Crimson	<i>Arbutus</i>	Yes	None	1,931,000
40	815	193	Black and Old Gold	<i>Hullabaloo</i>	Yes	150	7,588,000
41	745	82	Crimson	<i>Crimson</i>	Yes	None	954,000
42	131	20	Mauve	<i>Reveille</i>	No	75	1,210,000
43	520	50	Maroon and White	<i>Melange</i>	No	100	2,076,000
44	429	47	Red and Black	<i>Forester</i>	Yes	50	2,311,000
45	640	67	Brown and White	<i>Epitome</i>	No	100	3,688,000
46	1758	150	Cardinal Red	<i>Stanford Quad</i>	Yes	None	33,013,000
47	655	80	Orange and Purple	<i>Gumbo</i>	Yes	60	1,446,000
48	392	27	Navy Blue and White	<i>Marietta</i>	Yes	50	920,000
49	494	55	Maroon and White	<i>The Index</i>	Yes	40	463,000
50	1685	272	Cardinal and Silver Gray	<i>Technique</i>	Yes	250	4,429,000
51	330	28	Blue and White	<i>Kaleidoscope</i>	Yes	80	982,000
52	3763	328	Violet	<i>The Violet</i>	Yes	100	7,148,000
53	4679	435	Royal Purple	<i>The Syllabus</i>	Yes	100	9,840,000
54	1983	141	Crimson and Gold	<i>Hi-O-Hi</i>	Yes	75	4,045,000
55	2876	267	Scarlet and Gray	<i>Makio</i>	Yes	60	6,231,000

Name	Location	Founded	President	No.
Pennsylvania State College . . .	State College, Pa.	1859	Edwin E. Sparks, LL.D.	1
Polytechnic Institute of Brooklyn . . .	Brooklyn, N.Y.	1854	F. W. Atchinson, Ph.D.	2
Princeton University	Princeton, N.J.	1746	John G. Hibben, LL.D.	3
Purdue University	La Fayette, Ind.	1874	Winthrop E. Stone, A.M., Ph.D.	4
Rensselaer Polytechnic Institute, . . .	Troy, N.Y.	1824	Palmer C. Ricketts, C.E.	5
Richmond College	Richmond, Va.	1832	F. M. Boatwright, M.A., LL.D.	6
Rutgers College	New Brunswick, N.J.	1766	Rev. W. H. S. Demarest, D.D.	7
St. Louis University	St. Louis, Mo.	1829	Bernard J. Otting, S.J.	8
Shaw University	Raleigh, N.C.	1865	Charles F. Meserve, LL.D.	9
Southwestern University	Georgetown, Tex.	1873	Rev. Charles M. Bishop, D.D.	10
State College of Washington	Pullman, Wash.	1892	E. A. Bryan, LL.D.	11
State University of Iowa	Iowa City, Ia.	1855	George E. MacLean, M.A., LL.D.	12
Stevens Institute of Technology	Hoboken, N.J.	1871	A. C. Humphreys, M.E., Sc.D., LL.D.	13
Swarthmore College	Swarthmore, Pa.	1869	Joseph Swain, LL.D.	14
Syracuse University	Syracuse, N.Y.	1871	Rev. James R. Day, LL.D., S.T.D.	15
Temple University	Philadelphia, Pa.	1884	Russell H. Conwell, LL.D.	16
Throop Polytechnic Institute	Pasadena, Cal.	1891	James A. B. Scherer, Ph.D.	17
Trinity College	Hartford, Conn.	1824	Flavel S. Luther, B.A., Ph.D.	18
Tufts College	Tufts College, Mass.	1855	William L. Hooper, Ph.D., Acting	19
Tulane University	New Orleans, La.	1834	Robert Sharp, Ph.D.	20
Union University	Schenectady, N.Y.	1795	Rev. Charles Alexander Richmond, D.D.	21
United States Military Academy,	West Point, N.Y.	1802	Col. H. I. Scott, U.S.A.	22
United States Naval Academy	Annapolis, Md.	1845	Capt. C. J. Badger, U.S.N.	23
University of Alabama	University, Ala.	1831	John W. Abercrombie, LL.D.	24
University of Arizona	Tucson, Ariz.	1891	Kendric C. Babcock, B.L., A.M., LL.D.	25
University of Arkansas	Fayetteville, Ark.	1872	John L. Tillman, LL.D.	26
University of California	Berkeley, Cal.	1869	Benjamin Ide Wheeler, Ph.D., LL.D.	27
University of Chicago	Chicago, Ill.	1892	Harry Pratt Judson, A.M., LL.D.	28
University of Cincinnati	Cincinnati, Ohio	1874	Charles W. Dabney, LL.D.	29
University of Colorado	Boulder, Col.	1877	James H. Baker, LL.D., M.A.	30
University of Denver	University Park, Col.	1864	Rev. H. A. Buehtel, D.D., A.M., LL.D.	31
University of Florida	Gainesville, Fla.	1884	Andrew Sledsd, Ph.D.	32
University of Georgia	Athens, Ga.	1800	D. C. Barrow, A.M.	33
University of Idaho	Moscow, Ida.	1892	James A. Maclean, M.A., Ph.D.	34
University of Illinois	Urbana, Ill.	1868	Edmund J. James, LL.D.	35
University of Kansas	Lawrence, Kan.	1866	Frank Strong, Ph.D.	36
University of Maine	Orono, Me.	1868	Robert J. Aley, LL.D.	37
University of Michigan	Ann Arbor, Mich.	1841	Harry B. Hutchins, LL.D.	38
University of Minnesota	Minneapolis, Minn.	1868	George E. Vincent, LL.D.	39
University of Mississippi	University, Miss.	1848	A. A. Kincannon, Chancellor	40
University of Missouri	Columbia, Mo.	1841	Albert R. Hill, LL.D.	41
University of Montana	Missoula, Mont.	1895	Edwin B. Craighead, LL.D.	42
University of Nebraska	Lincoln, Neb.	1869	Rev. E. Benjamin Andrews, D.D., LL.D.	43
University of Nevada	Reno, Nev.	1886	Rev. J. E. Stubbs, LL.D.	44
University of New Mexico	Albuquerque, N.M.	1892	David R. Boyd, Ph.D.	45
University of North Carolina	Chapel Hill, N.C.	1795	Francis P. Venable, Ph.D., LL.D.	46
University of North Dakota	University, N.D.	1884	Frank L. MeVey, LL.D.	47
University of Notre Dame	Notre Dame, Ind.	1842	Rev. J. Cavanagh, C.Sc.	48
University of Ohio	Athens, Ohio	1809	Alston Ellis, Ph.D., LL.D.	49
University of Oklahoma	Norman, Okla.	1892	Stratton D. Brooks, Ph.D.	50
University of Oregon	Eugene, Ore.	1876	Prince L. Campbell, A.B.	51
University of Pennsylvania	Philadelphia, Pa.	1740	Charles C. Harrison, LL.D.	52
University of Pittsburgh	Pittsburg, Pa.	1786	Rev. Samuel Black McCormick, D.D., LL.D.	53
University of Rochester	Rochester, N.Y.	1850	Rev. Rush Rhees, D.D., LL.D.	54
University of South Dakota	Vermillion, S.D.	1882	Franklin B. Gault, Ph.D.	55
University of Southern California,	Los Angeles, Cal.	1880	Rev. George T. Bovard, D.D.	56

No.	Stud'ts	Inst's	College Colors	Annual	Co-educational	Tuition	Resources
1	1381	183	Blue and White	<i>La Vie</i>	No	\$100	\$3,199,000
2	1119	73	Blue and Gray	<i>The Polywog</i>	Yes	125	619,000
3	1442	174	Orange and Black	<i>Bric-à-Brac</i>	No	160	5,152,000
4	1716	158	Old Gold and Black	<i>Debris</i>	Yes	25	2,429,000
5	655	60	Cherry and White	<i>Transit</i>	No	200	2,926,000
6	501	32	Crimson and Blue	<i>The Spider</i>	Yes	70	1,743,000
7	531	58	Scarlet	<i>Scarlet Letter</i>	Yes	100	2,124,000
8	1272	205	Blue and White	<i>Fleur-de-Lis</i>	No	75	1,280,000
9	549	33	Garnet and White	None	Yes	12	203,000
10	687	22	Lemon and Black	<i>Sou'wester</i>	Yes	63	776,000
11	1058	121	Old Gold	<i>The Hawkeye</i>	Yes	20	2,346,000
12	1898	194	Crimson and Gray	<i>Chinook</i>	Yes	20	4,265,000
13	387	41	Silver Gray and Crimson	<i>Link</i>	No	225	2,184,000
14	372	47	Garnet	<i>Halcyon</i>	Yes	150	
15	3160	249	Orange	<i>The Onondagan</i>	Yes	75	6,610,000
16	1602	158	Cherry and White	<i>Owl</i>	Yes	20	744,000
17	284	32	Orange and White	<i>Polytechnic</i>	Yes	150	959,000
18	225	22	Dark Blue and Old Gold	<i>Ivy</i>	No	100	3,009,000
19	1158	258	Brown and Blue	<i>The Brown and Blue</i>	Yes	125	4,462,000
20	1121	195	Olive and Blue	<i>Jambalaya</i>	Yes	100	3,954,000
21	790	116	Garnet	<i>The Garnet</i>	No	75	1,550,000
22	562	95	Black, Gray and Gold	<i>Howitzer</i>	No	None	13,679,000
23	744	122	Blue and Old Gold	<i>The Lucky Bag</i>	No	None	13,511,000
24	565	64	Crimson and White	<i>The Corolla</i>	Yes	20	1,960,000
25	195	23	Blue and Red	<i>The Burro</i>	Yes	None	551,000
26	1058	131	Cardinal	<i>Cardinal</i>	Yes	None	1,060,000
27	4314	421	Blue and Gold	<i>Blue and Gold</i>	Yes	20	15,718,000
28	7028	387	Maroon	<i>Cap and Gown</i>	Yes	120	30,478,000
29	1457	207	Scarlet and Black	<i>Cincinnatian</i>	Yes	75	2,425,000
30	1284	168	Silver and Gold	<i>Coloradoan</i>	Yes	15	1,500,000
31	946	104	Red and Gold	<i>Kynewsbok</i>	Yes	60	1,221,000
32	241	34	Navy Blue and Orange	None	No	None	924,000
33	537	48	Red and Black	<i>Pandora</i>	No	None	1,764,000
34	517	61	Silver and Gold	<i>Gem of the Mountain</i>	Yes	None	1,661,000
35	4896	615	Orange and Blue	<i>The Illio</i>	Yes	24	6,538,000
36	2178	172	Crimson and Dark Blue	<i>The Jayhawker</i>	Yes	None	2,384,000
37	858	98	Light Blue	<i>The Prism</i>	Yes	60	1,255,000
38	4751	317	Maize and Blue	<i>Michiganensian</i>	Yes	30	6,998,000
39	5422	296	Maroon and Old Gold	<i>The Gopher</i>	Yes	30	9,630,000
40	480	40	Not Reported	Not Reported	Yes	None	674,000
41	2741	173	Gold and Black	<i>The Savior</i>	Yes	20	4,603,000
42	190	32	Copper, Silver, and Gold	<i>The Sentinel</i>	Yes	None	1,423,000
43	2839	333	Scarlet and Cream	<i>The Sombbrero</i>	Yes	None	3,476,000
44	311	42	Royal Blue and Silver	<i>The Artemisia</i>	Yes	None	1,234,000
45	117	23	Cherry and Silver	<i>Mirage</i>	Yes	None	207,000
46	788	56	Blue and White	<i>Yackety-Yack</i>	Yes	60	1,177,000
47	490	77	Pink and Green	<i>The Dacotah</i>	Yes	None	2,944,000
48	982	71	Gold and Blue	<i>The Dome</i>	No	100	1,325,000
49	811	72	Olive Green and White	<i>Athenia</i>	Yes	None	1,535,000
50	707	92	Crimson and Cream	<i>News Letter</i>	Yes	None	761,000
51	920	120	Lemon Yellow	<i>Webfoot</i>	Yes	None	1,035,000
52	4530	499	Red and Blue	<i>The Record</i>	Yes	150	11,499,000
53	1159	225	Gold and Blue	<i>Owl</i>	Yes	105	2,613,000
54	438	33	Dandelion Yellow	<i>The Interpreter</i>	Yes	75	1,943,000
55	425	54	Vermillion	<i>Coyote</i>	Yes	12	747,000
56	1802	196	Cardinal and Gold	<i>El Rodeo</i>	Yes	80	1,029,000

Name	Location	Founded	President	No.
University of South Carolina	Columbia, S.C.	1805	Andrew C. Moore	1
University of the South	Sewanee, Tenn.	1868	Benjamin L. Wiggins, M.A., LL.D.	2
University of Tennessee	Knoxville, Tenn.	1794	Brown Ayers, Ph.D.	3
University of Texas	Austin, Tex.	1883	Sidney E. Mezes, Ph.D.	4
University of Utah	Salt Lake City, Utah	1850	J. T. Kingsbury, Ph.B., Ph.D., D.Sc.	5
University of Vermont	Burlington, Vt.	1800	Guy P. Benton, LL.D.	6
University of Virginia	Charlottesville, Va.	1825	Edwin Anderson Alderman, LL.D.	7
University of Washington	Seattle, Wash.	1862	Thomas F. Kane, Ph.D.	8
University of West Virginia	Morgantown, W. Va.	1867	Thomas E. Hodges, LL.D.	9
University of Wisconsin	Madison, Wis.	1850	Charles R. Van Hise, Ph.D.	10
University of Wyoming	Laramie, Wyo.	1887	Clyde A. Dumway, Ph.D.	11
Vanderbilt University	Nashville, Tenn.	1875	J. H. Kirkland, LL.D., Ph.D., D.C.H.	12
Washington and Jefferson College	Washington, Pa.	1802	Rev. James David Moffat, D.D., LL.D.	13
Washington and Lee University	Lexington, Va.	1749	Henry L. Smith, LL.D.	14
Washington University	St. Louis, Mo.	1859	David F. Houston, LL.D.	15
Wesleyan University	Middletown, Conn.	1831	William A. Shankin, D.D.	16
Western Reserve University	Cleveland, Ohio	1826	Rev. Charles T. Thwing, D.D., LL.D.	17
Williams College	Williamstown, Mass.	1793	Harry A. Garfield, LL.D.	18
Wooster University	Wooster, Ohio	1870	Rev. Louis Edward Holden, D.D., LL.D.	19
Worcester Polytechnic Institute	Worcester, Mass.	1868	Ira N. Hollis, L.H.D.	20
Yale University	New Haven, Conn.	1701	Arthur T. Hadley, LL.D.	21

COLLEGES

Barnard College	New York City	1889	Nicholas Murray Butler, Ph.D., LL.D., Litt.D.	1
Bryn Mawr College	Bryn Mawr, Pa.	1885	Miss M. Cary Thomas, Ph.D., LL.D.	2
Elmira College	Elmira, N.Y.	1855	Rev. Alexander C. MacKenzie, D.D., LL.D.	3
Mount Holyoke College	South Hadley, Mass.	1837	Mary E. Wooley, L.H.D.	4
Radcliffe College	Cambridge, Mass.	1879	LeBaron Briggs, M.A., LL.D.	5
Simmons College	Boston, Mass.	1902	Henry Lefavour, Ph.D., LL.D.	6
Smith College	Northampton, Mass.	1875	Marion L. Burton, LL.D.	7
Vassar College	Poughkeepsie, N.Y.	1865	Rev. James M. Taylor, D.D., LL.D.	8
Wellesley College	Wellesley, Mass.	1875	Helen F. Pendleton, M.A.	9
Wells College	Aurora, N.Y.	1868	Kerr D. Macmillan, B.D.	10

No.	Stud'ts	Inst's	College Colors	Annual	Co-educational	Tuition	Resources
1	416	34	Garnet and Black	<i>The Garnet and Black</i>	Yes	\$40	\$1,233,000
2	205	27	Orange and White	<i>The Volunteer</i>	No	100	979,000
3	830	136	Orange and White	<i>Cactus</i>	Yes	80	1,621,000
4	1939	107	Royal Purple	<i>Cap and Gown</i>	Yes	None	4,559,000
5	858	64	Crimson and Silver	<i>Annual</i>	Yes	None	785,000
6	514	93	Green and Gold	<i>The Ariel</i>	Yes	110	2,823,000
7	725	74	Orange and Blue	<i>Cocks and Curls</i>	No	57	3,954,000
8	2142	103	Purple and Gold	<i>Tyee</i>	Yes	None	6,059,000
9	544	66	Old Gold and Blue	<i>Monticola</i>	Yes	50	1,372,000
10	4099	486	Cardinal	<i>The Badger</i>	Yes	70	8,187,000
11	242	45	Brown and Yellow	<i>None</i>	Yes	None	871,000
12	1023	125	Black and Gold	<i>Comet</i>	Yes	100	3,895,000
13	341	24	Red and Black	<i>Pandora</i>	No	60	1,284,000
14	617	44	Blue and White	<i>Calyx</i>	No	50	1,528,000
15	1054	202	Myrtle and Maroon	<i>The Hatchet</i>	Yes	75	10,833,000
16	347	39	Cardinal and Black	<i>Olla Podrida</i>	Yes	90	3,029,000
17	1279	237	Red and White	<i>Reserve</i>	Yes	100	4,926,000
18	573	57	Royal Purple	<i>The Gulielmsian</i>	No	140	3,709,000
19	597	29	Black and Gold	<i>The Index</i>	Yes	60	2,539,000
20	524	50	Crimson and Steel Gray	<i>None</i>	No	150	1,884,000
21	3282	410	Blue	<i>Yale Banner</i>	Yes	150	15,973,000

FOR WOMEN

1	547	79	Light Blue and White	<i>Mortar Board</i>	No	\$150	\$4,620,000
2	426	60	Yellow and White	<i>The Lantern</i>	No	200	4,475,000
3	175	16	Purple and Gold	<i>Iris</i>	No	150	469,000
4	754	82	Light Blue	<i>Llamarada</i>	No	150	2,289,000
5	500	128	Red and White	<i>None</i>	No	200	2,264,000
6	831	89	Dark Blue and Gold	<i>Microcosm</i>	No	100	3,652,000
7	1617	126	White	<i>None</i>	No	150	4,290,000
8	1058	104	Rose and Gray	<i>Vassarian</i>	No	150	6,222,000
9	1378	123	Deep Blue	<i>Legenda</i>	No	175	4,869,000
10	189	26	Cardinal	<i>The Cardinal</i>	No	150	1,133,000

In Memoriam

THOMAS EDWARD SENIOR, 1913

Died April 15, 1913

LOUIS LEDERLE CONNELLY, 1916

Died June 3, 1913

STEPHEN TAYLOR WOODBRIDGE, 1915

Died June 30, 1913

FRANK H. RAND

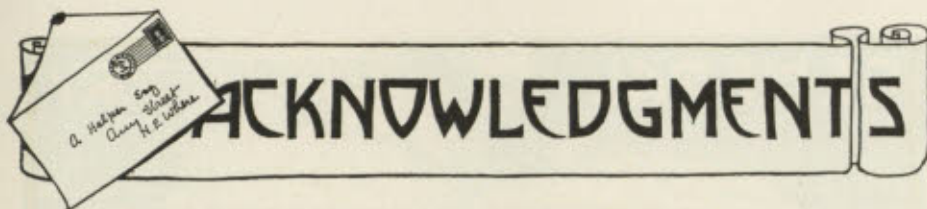
Died December 19, 1913

PHILIP WOLFF, A.B., 1915

Died December 27, 1913

HARVEY FIELD DEWSON, 1916

Died February 24, 1914



ACKNOWLEDGMENTS

IN order to show to some extent their appreciation, the editors of *TECHNIQUE*, 1915, wish to express their gratitude to all those who have aided in compiling this book. We are particularly indebted to:—

LITERARY

PRESIDENT RICHARD C. MACLAURIN	CHEE-SING HSIN, 1914
PROFESSOR HENRY G. PEARSON	HENRY DOCKER JACKSON, 1898
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SEYMOUR HOWELL TAYLOR, 1914	

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LOUIS CONRAD ROSENBERG	HOWARD HAWLEY WELLS, 1916
HERVEY CHASE STOCKING, 1916	FRANCIS WHITTEN, Jr., 1914

PHOTOGRAPHIC

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We are indebted to the Advertisers who have made possible the publication of this book.



Name and Society	Class	Course	Home Address
Abbott, Leon Russell	1914	VI U.	Barre, Vt.
Abdulnour, Bahjat Amin, A.B.	1915	IV	Beyrout, Syria
Abels, Charles August	1917		43 Nicollet St., Lowell, Mass.
Abrams, Allen, A.B., $\Phi \Gamma \Delta$	1915	V	601 N. McKean St., Butler, Pa.
Adams, Carleton Coffin	1917		14 Lesley Ave., Somerville, Mass.
Adams, Henry Carter, Jr., A.B.	1915	XIII U.	Ann Arbor, Mich.
Affel, Herman Andrew	1914	VI	54 Downing St., Brooklyn, N.Y.
Africa, Walter Murray, $\Sigma A E$	1915	II U.	764 Chestnut St., Manchester, N.H.
Ahearn, Richard Lombard	1916	I U.	18 Foster St., Brighton, Mass.
Ahearn, William Joseph	1917		80 Foster St., Everett, Mass.
Ahern, Frank Leo	1914	I	209 E. Cottage St., Dorchester, Mass.
Aiken, Walter Scott, $\Theta \Xi$	1915	XIII	310 W. Emerson St., Melrose, Mass.
Aldrich, Henry Ray, ΘX	1914	III	40 Irving St., Melrose, Mass.
Aldridge, Blair Grigsby	1916	II	Arcola, Miss.
Alexander, Edward Porter, $\Phi K \Psi$	1914	I	1211 E. 1st St., Duluth, Minn.
Alexander, Ketchum Abner	1917		26 Cambria St., Somerville, Mass.
Alfaro, Rafael	1916	I	Ahuachapan, El Salvador, C.A.
Alger, Philip Langdon, B.S.	1915	VI	34 Southgate Ave., Annapolis, Md.
Allan, Hamish, $X \Phi$	1917		Glasgow, Scotland
Allen, Andrew Foster, S.B.	1914	VII Sp.	Campello, Mass.
Allen, Ernest Bernard	1917	U.	1318 Cypress St., Louisville, Ky.
Allen, George Parker, $A X A$	1916	V U.	129 Charles St., Boston, Mass.
Allen, Lawrence James	1917		238 Bacon St., Waltham, Mass.
Allen, Mortimer Pearce, S.B.	Grad.	I	2640 Indiana Ave., Chicago, Ill.
Allen, Robert McClanahan, B.S., ΣX	1916	IV Sp.	Box 374, Roanoke, Va.
Althouse, Alfred Kutz, $A X A$	1917	U.	717 W. Marshall St., Norristown, Pa.
Althouse, George Nathan, $A X A$	1915	X	717 W. Marshall St., Norristown, Pa.
Ambler, Halford Henry	1914	I	207 Washington St., Winchester, Mass.
Ames, Chester Edward	1917		57 Adams St., Somerville, Mass.
Ames, Warren	1916	II U.	3 Lexington Ter., Waltham, Mass.
Anderson, Albert Hovey	1915	I	76 Boxford St., Lawrence, Mass.
Anderson, George Dana	1916	VIII	191 Summer St., Somerville, Mass.
Anderson, Herbert Walfred	1915	II	125 W. Selden St., Mattapan, Mass.
Anderson, James William	1917		Box 164, S. Lancaster, Mass.
Andreini, Kenneth Minius	1917		29 West 75th St., New York, N.Y.
Andux, Miguel Jeronimo	1916	II U.	130A Lu Liguell, Havana, Cuba
Angas, William Mack	1917		1501 Riverside Ave., Jacksonville, Fla.
Angell, Cyril Matthew, ΣX	1917		741 June St., Fall River, Mass.
Annin, Roswell Howard, B.S.	Grad.	IV	344 W. Ave. 53, Los Angeles, Cal.
Armstrong, Lester Elmer, $\Sigma A E$	1915	X U.	840 Madison Ave. N., Mason City, Ia.
Aronson, Mark	1916	I U.	25 Lawrence Ave., Roxbury, Mass.

Name and Society	Class	Course	Home Address
Ash, William Earl	1915	IV Sp.	Appin, Ontario
Ashkins, Nathan Thomas, B.C.E.	1915	XI Sp.	Weymouth, Nova Scotia
Astorian, Alexander	1917		156 Lenox St., Boston, Mass.
Atkins, Arthur Kindred, $\Theta \Delta X$	1917		311 Lowell Ave., Newtonville, Mass.
Atkins, Willard Eugene	1917		29 Beach St., Wollaston, Mass.
Atkinson, Charles Edward	1917		82 High St., Newburyport, Mass.
Atwater, David, $\Delta \Psi$	1917		6 Union St., Westfield, Mass.
Atwood, Francis Clarke	1914	XIV	75 Maple St., Middleton, Mass.
Austin, Paul Page, Jr., $X \Psi$	1916	II U.	2728 Union St., San Francisco, Cal.
Auty, Clarence	1917		19 Haverhill St., Andover, Mass.
Axtmayer, Joseph Herman	1917		San Juan, Porto Rico
Ayer, Harold Ellsworth	1916	IV	118 Emery St., Portland, Me.
Babbitt, John Hancock	1917		Northampton, Mass.
Bacardi, Luis Juan	1917		Santiago, Cuba
Bagdoyan, Sarkis Manoog	1915	I	Aintab, Turkey
Bailey, Howard Elliott	1917		North Scituate, Mass.
Bailey, Lawrence Humphrey, $\Delta \Phi$	1915	X	North Scituate, Mass.
Bailey, Richard Orcutt, A.B.	1914	XI	6 Stone St., Oneida, N.Y.
Baird, Lyman Stanton, $\Delta \Delta \Phi$	1914	II	102 S. St. Paul St., Austin, Minn.
Baker, Arthur DeWint, $\Delta T \Delta$	1917		41 Worth St., New York, N.Y.
Baker, Douglas Brooks	1915	VI	115 Upham St., Melrose, Mass.
Baker, William Perrin, A.B., $A T \Omega$	1915	V U.	Belle Vernon, Pa.
Baldrey, Roland Webster	1915	IV	10 Bradshaw St., Medford, Mass.
Balke, Frank Carl, ΣX	1914	II	1916 N. Meridian St., Indianapolis, Ind.
Ball, Edwin Leo, B.S.	1916	IV U.	Pineville, La.
Ball, Joseph Arthur	1915	VIII	2 St. Paul St., Cambridge, Mass.
Ballantine, Benjamin Darling	1916	II U.	Ross St., Fitchburg, Mass.
Balyozian, Jacob	1917		6 Iola St., Dorchester, Mass.
Balyozian, Nicholas	1916	V	6 Iola St., Dorchester, Mass.
Bannister, Alfred Edward, $K A$	1915	II U.	3300 London Road, Duluth, Minn.
Barker, Dana Nash	1917		Box 13, Wilton, N.H.
Barker, Harold Ward, $\Delta X A$	1914	IV	310 Cadillac Ave., Detroit, Mich.
Barker, Joseph Warren, $\Phi K \Sigma$	1916		414 N. Court St., Rockford, Ill.
Barnard, Charles Thomas	1917		23 Gooch St., Melrose, Mass.
Barns, Frederick Balston, $A T \Omega$	1914	VI U.	28 S. 51st St., Philadelphia, Pa.
Barnwell, Joseph Woodward, Jr., B.S., $A T \Omega$ 1915	1915	I	48 S. Bay, Charleston, S.C.
Barratt, Roswell Forman, $\Delta K E$	1914	IV	133 Harrison St., E. Orange, N.J.
Barrett, Lawrence William	1916	I U.	53 Weston St., Brockton, Mass.
Barrett, William Joseph	1916	II U.	640 Seventh St., S. Boston, Mass.
Barrows, Stanwood Roy	1917		228 Washington St., Lynn, Mass.
Barrows, Wilfred Warren	1914	IV U.	1477 Beacon St., Brookline, Mass.
Barry, Thomas James	1915	IV	70 Mayfield St., Dorchester, Mass.
Bartlett, Louis DeBlois, $\Delta K E$	1914	III	129 Angell St., Providence, R.I.
Basch, Jacob Justin	1917		430 Van Houten St., Paterson, N.J.
Bascom, Edgar Dorus	1915	I	Gill, Mass.
Bassett, Harold Reuben, $\Phi \Sigma K$	1915	II	371 Central Ave., Bridgeport, Conn.
Basu, Kshitish Chandra, M.A.	1915	II Sp.	Honrah, India
Batchelder, Sidney Spalding	1917		30 Court St., Dedham, Mass.
Bates, Ralph Dudley	1914	XI	Cohasset, Mass.
Battis, Joseph Talmage Woodruff, $\Delta \Psi$	1917		200 Lafayette St., Salem, Mass.
Bauer, John Thomas, Jr., A.B.	1915	VI U.	204 Beauregard St., Mobile, Ala.
Baxter, Horace Monroe	1917	U.	160 Foster St., Brighton, Mass.

Name and Society	Class	Course	Home Address
Baxter, Nelson Edward, A T Ω	1914	II U.	Hyde Park, Mass.
Baxter, Stanley Munroe	1915	III U.	15 Rutger St., Utica, N.Y.
Beach, George Albert, Σ A E	1914	II	Fort Collins, Col.
Beadle, Walter Jay	1917		Lima, N.Y.
Beard, Gerald Hyde, A.B., Σ X	1914	I	5100 Nicollet Ave., Minneapolis, Minn.
Beattie, James Alexander	1917		208 E. Caldwell St., Louisville, Ky.
Beaudette, Joseph, A X A	1914	VI	Berwick, Me.
Beaver, Rudolf	1917		Budapest, Hungary
Beidelman, Aubrey Donnithorne	1915	XIII	360 Union St., Braintree, Mass.
Beierl, Herbert Joseph, A T Ω	1916	IV Sp.	104 Robie Ave., Buffalo, N.Y.
Belcher, Donald, Θ X	1915	X	112 Harvard St., Newtonville, Mass.
Belden, Edward Daniel	1917		14 Bolivar St., Monterey, Mex.
Bell, Dudley Edwards, Σ A E	1917		824 Radcliffe St., Bristol, Pa.
Bell, Kenneth Eldon	1917		16 Greenleaf St., Malden, Mass.
Benedict, Percy Francis	1914	I	38 Chestnut St., Nashua, N.H.
Benitez, Eduardo Dehesa	1917		Tehuantepec, Oaxaca, Mex.
Bennett, Horace Ralph	1916	I	71 Varney St., Lowell, Mass.
Benson, Henry Sumner	1916	II U.	769 East St., Dedham, Mass.
Bent, Harold Townsend	1915	XIII	83 Gainsborough St., Boston, Mass.
Benton, Herbert George, C.E.	1915	I U.	406 Hancock St., Brooklyn, N.Y.
Beola, Pablo	1914	I	Gibara, Cuba
Berenson, Isadore	1915	XIV	51 N. Russell St., Boston, Mass.
Berg, Henning Julius	1915	II U.	1840 Van Ness Ave., San Francisco, Cal.
Berger, Henry Ehlen, Jr., A.B.	1915	VII Sp.	76 Church St., Marlboro, Mass.
Berger, Richard George	1916	V U.	82 William St., Bridgeport, Conn.
Berkowitz, Samuel	1915	II	17 Grove St., Boston, Mass.
Berkowitz, Steven Ross	1916	II	1834 Beacon St., Brookline, Mass.
Bernard, Frederick, Δ T	1917		638 Albany Ave., Hartford, Conn.
Berrigan, Thomas Augustine	1916	XI	890 1/2 Broadway, S. Boston, Mass.
Berry, Carl Mathis, A X A	1914	VI	7 Norris St., N. Cambridge, Mass.
Berry, Karl Russell	1917		944 Broadway W., Vancouver, B.C.
Bertelsen, Paul Jens, A T Ω	1917		111 Court Road, Winthrop, Mass.
Best, Leonard Ernest, A Φ	1915	X	206 Lincoln Rd., Brooklyn, N.Y.
Bibolini, Alejandro, A.B.	1915	I	Asuncion, Paraguay, S.A.
Bickford, Horace Lesley	1916	VI	24 Kilsyth Rd., Brookline, Mass.
Bidwell, Charles Alanson, Jr.	1915	VI	Stockbridge, Mass.
Bigelow, Lucius Aurelius, Jr.	1915	V	5 Allston St., Boston, Mass.
Bill, Francis Putnam, Δ T	1917		97 Vine St., Hartford, Conn.
Binger, Walter David	1916	I	Cliff St., New York, N.Y.
Blackmore, Charles Thomas, B.S.	1915	VI U.	624 Bridge St., Hampton, Va.
Blackwood, Walter Ainslie	1916	II U.	126 Zeigler St., Roxbury, Mass.
Blakeley, Gerald Walter, A.B., Φ B E	1914	II	Springville, N.Y.
Blakney, Raymond Bernard	1916	I	160 Stratford St., W. Roxbury, Mass.
Blanchard, Raymond Hall	1916	X	38 Barrett St., Malden, Mass.
Blank, Wesley Howard	1916	I	4 Myrtle St., Winchester, Mass.
Blodgett, Charles Albert	1915	X	31 Winter St., Portland, Me.
Blount, George Chisholm, B.S.	1915	I U.	Appleton, S.C.
Bolton, John Wesson, Jr.	1914	II	187 Bailey St., Lawrence, Mass.
Bolton, Meade, Δ K Φ	1917	IV U.	The Lenox, Washington, D.C.
Bommer, Fred William	1914	X	225 Spencer Ave., Chelsea, Mass.
Bond, Arthur Hazard, B.S., X Φ	1915	I	26 Mulberry St., Springfield, Mass.
Bond, Benjamin Morris	1917		10 Marcella St., Roxbury, Mass.
Bone, Herbert Lawrie	1917		72 Aldrich St., Roslindale, Mass.

Name and Society	Class	Course	Home Address
Borden, Howard Granville	1914	I	710 Rock St., Fall River, Mass.
Bouchard, Charles Sanders	1916	II U.	10 Park Vale Ave., Allston, Mass.
Boulton, Berthoud Clifford	1916	I	28 Wellesley St., Toronto, Can.
Bousquet, L'Roche George	1916	X	448 Hancock St., Springfield, Mass.
Bowditch, William Ingersoll, X Φ	1917	II	366 Adams St., Milton, Mass.
Bowler, Edmund Wesley	1914	XI	22 Court St., Dedham, Mass.
Bowman, Harry Lake, B.S.	Grad.	I	825 E. Cheltenham Ave., Germantown, Pa.
Bowman, Lee	1914	IV	3236 Diamond St., Philadelphia, Pa.
Boyd, Ernest Mathew	1914	II	11 Grampian Way, Upham's Corner, Mass.
Boyd, Mark Frederick, M.D.	1914	VII Sp.	1408 Albany Ave., St. Paul, Minn.
Boynton, Francis Henry, E.E.	1915	VI	1515 Austin St., Waco, Tex.
Boynton, Kenneth Kenaston	1915	VI	11 Arlington St., S. Framingham, Mass.
Brackett, William Henry, Φ K Σ	1915	VI	14 Bloomfield St., Dorchester, Mass.
Bradley, Wayne Deegan	1915	V U.	16 Leonard Ave., Cambridge, Mass.
Brand, Charles Lees, U.S.N.	1914	XIII A	Box 463, Beverly, N.J.
Brandt, Maurice Frankland	1915	V	31 Southard St., Trenton, N.J.
Braud, Daunis Emile, A.B.	1917		Thibodaux, La.
Brayton, Harold Morgan	1917		Cold Brook, N.Y.
Breck, Samuel, Jr., Φ B E	Grad.	XI	171 Bellevue St., Boston, Mass.
Bresth, Alexander	1916	XI	Box 127, W. Acton, Mass.
Briggs, Everett Kennedy, Φ K Σ	1917		110 S. William St., Johnstown, N.Y.
Brigham, Everett Rounds	1915	IV U.	282 Atlantic St., Atlantic, Mass.
Bristow, James Jefferson Rucker, B.A., K A, (S)	1914	X U.	Georgetown, Ky.
Brock, Malcolm Cameron	1917		15 Irving St., Newton Centre, Mass.
Broga, Wilson Culver	1916	XIV	28 Jefferson St., Westfield, Mass.
Brooks, Arthur Raymond	1917		New Kendall Hotel, Framingham, Mass.
Brooks, Edward Pennell, Δ T	1917		776 Main St., Westbrook, Me.
Brooks, Nathaniel Emil	1914	II	187 Park St., Newton, Mass.
Brooks, Phillips Nelson	1916	II	36 Brockton Ave., Haverhill, Mass.
Brooks, Ralph Frederick Fleming	1917		47 Julian St., Roxbury, Mass.
Brophy, Thomas D'Arcy, A.B., X Φ	1916	IV	Butte, Mont.
Brown, Albert Caleb	1914	I	73 Purchase St., Newburyport, Mass.
Brown, Alexander Paul	1916	III U.	21 E. Summitt St., Chestnut Hill, Philadelphia, Pa.
Brown, Earle William	1915	VI U.	51 Hamilton Pl., Oakland, Cal.
Brown, Harland Francis	1914	I	11 Warren Rd., S. Framingham, Mass.
Brown, Horatio Whittemore, Σ X	1915	IV	Concord, Mass.
Brown, Karl Hamlin	1914	VIII Sp.	12 Patten St., Watertown, Mass.
Brown, Raymond Grout, Δ K Φ	1916	XIV U.	136 Greenwood St., Melrose Hlds., Mass.
Brown, Roger Brigham	1917		24 High St., Marlboro, Mass.
Brown, Theodore Gates, Φ K Σ	1915	X U.	72 Hastings St., West Roxbury, Mass.
Brown, William Augustus Reynolds	1917		30 Lambert St., Roxbury, Mass.
Brown, William Eustis, Ph.B.	1914	VII Sp.	404 Birch St., Boonton, N.J.
Brown, William Goss	1916	VIII	Rye Beach, N.H.
Brownson, Victor Carleton, B.S.	1914	I Sp.	Asheville, N.C.

Name and Society	Class	Course	Home Address
Bryant, Chauncey Davis, $\Theta \Delta X$	1914	XI	189 Bellevue St., Newton, Mass.
Bryant, William Allen	1914	I	61 Clark Rd., Brookline, Mass.
Bucknam, Frank White	1916	II U.	114 Norfolk Ave., Swampscott, Mass.
Bullard, Beirne Saunders, U.S.N.	1915	XIII A	Catonsville, Md.
Burdick, Charles Lalor, B.S.	Grad.	V	1156 23d St., Des Moines, Ia.
Burdick, John Powel	1914	II	Wickford, R.I.
Burford, John Nicholas, $\Sigma A E$	1916	II U.	Prospect, Ky.
Burgher, Cedric, $\Phi \Delta \Theta$	1914	II	3015 Oak Lawn Ave., Dallas, Tex.
Burk, Herbert Grover	1917		34 Ocean Ter., Lynn, Mass.
Burke, Arthur Edward	1917		76 Spruce St., Watertown, Mass.
Burnap, Robert Samuel	1916	VI	1 Columbia St., Hartford, Conn.
Burnham, Horace Cleveland, $\Theta \Delta X$	1917		Oldtown, Me.
Burnham, Lucien Wallace, $\Lambda X A$	1914	VI	107 Bradford St., Needham, Mass.
Burns, Charles Hershey, Ph.B.	1914	X	244 E. Orange St., Lancaster, Pa.
Burtner, Evers	1915	XIII	81 Loughton St., Lynn, Mass.
Buttner, Fred Frank	1915	VI	227 Willow St., Waterbury, Conn.
Buxton, Paul Henry, $\Lambda T \Omega$	1916	II	12 Paisley Pk., Dorchester, Mass.
Byrne, Leroy Richard	1916	XIV	138 President St., E. Lynn, Mass.
Byrnes, Benjamin Harrison, A.B.	1915	IV U.	Emporia, Kan.
Cady, Lowell, $\Lambda \Delta \Phi$	1917		Rowe, Mass.
Cady, Rush Boyd, ΣX	1915	II U.	609 W. Onondaga St., Syracuse, N.Y.
Caffrey, Augustine Joseph	1915	XI	12 School St., Lawrence, Mass.
Calder, Charles Howard	1915	VI	27 Austin St., Newtonville, Mass.
Calderara, Charles Anthony, B.S.	1915	XI	12 E. Union St., Milford, N.H.
Callahan, Cornelius Joseph	1914	XI	14 Prospect St., Lawrence, Mass.
Callahan, Thomas Hill	1914	I	17 Frederick St., S. Framingham, Mass.
Calver, Homer Northrup, $\Delta K \Phi$	1914	XI	846 Hewitt Pl., New York, N.Y.
Camp, Orton Platt, A.B., $Z \Psi$	1915	II	98 Woodlawn Ter., Waterbury, Conn.
Campbell, Hugh Morton	1914	VII	116 Webster St., Manchester, N.H.
Campbell, Ross	1914	X	Summit Pl., Newburyport, Mass.
Campbell, William Lyman, A.B., $\Lambda \Delta \Phi$	1915	I	214 Ridgewood Rd., Roland Park, Baltimore, Md.
Campion, William Leo	1917		196 Hamilton St., Dorchester, Mass.
Canby, Albert Thresher, ΣX	1917		300 Central Ave., Dayton, Ohio
Carpenter, Arthur Whiting, S.B.	Grad.	X	29 W. Genesee St., Wellsville, N.Y.
Carpenter, Charles Clinton	1916	I	71 Fayerweather St., Cambridge, Mass.
Carr, Jasper Blanchard, 2d, $\Phi B E$	1916	VI	80 W. Jackson St., Wilkes-Barre, Pa.
Carson, James Brittain, B.S., $\Delta K \Phi$	1915	II	Dartmouth, N.S.
Carter, Arthur Alfred	1917		51 Montvale Ave., Woburn, Mass.
Casselman, Elbridge Johnson	1915	X	2907 Wisconsin Ave., Washington, D.C.
Cellarius, Charles Frederick, A.B., $B \Theta II$	1916	IV	3843 Forest Ave., Norwood, Ohio
Chadwick, James Barton	1914	II	119 Plympton St., Waltham, Mass.
Chalatow, Leon	1916	II U.	Tiflis, Caucasus, Russia
Chalfen, Benjamin	1917		111 Webster Ave., Cambridge, Mass.
Champion, Merrill Edwin, A.B., M.D.	1914	VII Sp.	827 Mass. Ave., Arlington, Mass.
Chandler, Charles Hallstram	1916	V U.	51 Winthrop St., W. Newton, Mass.

Name and Society	Class	Course	Home Address
Chandler, Ferdinand Arnold, A X A	1914	IV	67 Bristol St., New Haven, Conn.
Chandler, Frank Davenport	1916	VI U.	140 Magazine St., Cambridge, Mass.
Chang, Tsun	1915	V	Chinchow, China
Chang, Yih Tze	1917		Nanking, China
Channell, Ralph Walter, A.B.	1916	VII Sp.	550 Main St., Malden, Mass.
Chapman, Kenneth Blackstone	1916	VI U.	50 Brooksdale Rd., Brighton, Mass.
Chase, Albert Worcester	1917		145 Burrill St., Swampscott, Mass.
Chatfield, Charles Hugh	1914	II	509 Willow St., Waterbury, Conn.
Checa, Vicente Felipe	1917		25 Broad St., New York, N.Y.
Checa, Victor Alfonso	1917		25 Broad St., New York, N.Y.
Chellman, Lloyd Hamilton, B Θ II	1915	I	100 Kittredge St., Roslindale, Mass.
Chen, Huang, B.S.	1914	V Sp.	Kwong Chow, China
Chen, King Yaon, B.S.	1914	V Sp.	Shanghai, China
Chen, Shao Ching	1914	I	Canton, China
Childs, Frederick William	1916	X U.	16 Carleton St., Holyoke, Mass.
Childs, Kenneth Mason	1917		Needham Heights, Mass.
Chisholm, Harold Vincent	1917	U.	85 Brook Ave., Dorchester, Mass.
Chisholm, Stanley Leavitt	1917		128 Melrose St., Melrose Hlds., Mass.
Chow, Hou-Kun	1914	II, XIII	Shanghai, China
Chow, Ming	1914	V U.	Taishing, China
Chow, Ziang Yien	1914	XI	Shanghai, China
Christison, Leslie	1917		318 N. Main St., Andover, Mass.
Chu, Chi-Che	1915	XIIIb U.	Hangchow, China
Chu, Tsu Shang	1915	XIII U.	Wusih, China
Chu, Yu Mai	1914	VI	Kwong Tung, China
Church, Arthur Albert	1917		26 Alaska St., Roxbury, Mass.
Churchill, James Stanley, Σ A E	1914	X	110 Billings St., Atlantic, Mass.
Cianciolo, Philip Jose	1917	U.	15 S. Margin St., Boston, Mass.
Clark, Ernest Morton	1917		150 Otis St., Newtonville, Mass.
Clark, Leland Vining	1915	VI	46 Highland St., N. Abington, Mass.
Clark, Sidney E., B Θ II	1915	II U.	226 Central Ave., Fredonia, N.Y.
Clark, William Allen	1917		163 Woodside Ave., Winthrop, Mass.
Clarke, Alfred Henry, B.A.	1915	I	532 E. 18th St., N. Portland, Ore.
Clarke, Bruce Addison	1916	VI	373 Lexington St., Auburndale, Mass.
Clarkson, Edward Hale, Jr., Σ X	1916	XI	31 Tyng St., Newburyport, Mass.
Clarkson, Joseph Jennings, A T Ω	1917	U.	708 Orange St., New Haven, Conn.
Claussen, Howard Paul, Φ Γ Δ	1916	II	251 Collins St., Hartford, Conn.
Clayman, Samuel	1917		3 Nightingale St., Dorchester, Mass.
Clayton, Henry Comyn	1917		1422 Washington St., Canton, Mass.
Clayton, Lawrence Locke	1917		1422 Washington St., Canton, Mass.
Cleage, David	1917	U.	1517 Laurel Ave., Knoxville, Tenn.
Cleverley, Frank Capon	1915	XIII	Grimsby, Ontario, Can.
Clisham, Ormonde Chester	1914	X	174 Court Rd., Winthrop, Mass.
Coakley, Cornelius Cooper	1917		53 W. 56th St., New York, N.Y.
Coburn, Charles Lyman	1917		31 Percy Rd., Lexington, Mass.
Cochrane, Clarence	1917		63 Howard St., Melrose, Mass.
Codwise, Philip Witgenstein	1915	X	8 Clifton Park, Melrose Hlds., Mass.

Name and Society	Class	Course	Home Address
Coes, Marion Louise	1917	U.	144 Church St., Whitinsville, Mass.
Coffin, William Earle	1916	II U.	272 High St., Newburyport, Mass.
Cohen, Jacob	1915	I	73 W. 30th St., Bayonne, N.J.
Colby, Harold Lincoln	1916	II U.	9 Strathmore Rd., Boston, Mass.
Coldwell, Everett Sharples, B O II	1915	VI	S. Swansea, Mass.
Cole, George Harlos, B.S.	1915	VI U.	Yazoo City, Miss
Coleman, Alfred Victor, X Φ	1915	VI	Louisville, Ky.
Coleman, Caruthers Askew, Δ T Δ	1916	II U.	Como, Miss.
Colleary, William Bartholomew, A.B.	1916	VI U.	300 Hyde Park Ave., Forest Hills, Mass.
Collins, Arthur Edgar Gerald	1914	III	1704 Colorado Blvd., Denver, Col.
Collins, Thomas Richard	1914	X	72 Clinton St., Everett, Mass.
Comber, Thomas Francis, Jr.	1914	I	22 Butler St., Lawrence, Mass.
Comiskey, Daniel Louis	1916	I	Main St., Dover, Mass.
Conaty, Francis Sylvester	1917		12 Gushee Lane, Taunton, Mass.
Conditt, John Hill, U.S.N.	1915	I	1539 Beacon St., Brookline, Mass.
Conklin, Oliver Earle	1914	VIII	502 S. Fannie Ave., Tyler, Tex.
Conner, Perley Eugene	1914	XI	72 Medford St., Malden, Mass.
Connolly, Joel Irving	1916	XI	7 Fenno Pl., Dorchester, Mass.
Connor, Paul, Φ K E	1915	I	23 Englewood St., Dorchester, Mass.
Conover, John Woodhull, A.B.	1915	VI	West End 48th St., Norfolk, Va.
Conway, Eugene Frederick	1915	V U.	157 Humboldt Ave., Boston, Mass.
Cook, Alton Aldrich	1915	V	149 Glenway St., Dorchester, Mass.
Cook, Fred Lysle, Δ K Φ	1915	II	543 Boylston St., Boston, Mass.
Cook, Roy Jennings, Σ A E	1917	VI U.	940 Albemarle Rd., Brooklyn, N.Y.
Coolidge, Elliot Fairfield, Θ X	1916	II U.	90 Taylor St., Waltham, Mass.
Cooper, Edmund Burdick, Φ Γ Δ	1915	XI U.	S. Natick, Mass.
Cooper, Stanley Knox	1917		38 Walnut St., Everett, Mass.
Cornelius, Charles Over, A.B.	1915	IV Sp.	Sewickley, Pa.
Corney, Chester Albert	1914	VI	815 E. 4th St., S. Boston, Mass.
Costello, Joseph Wallace	1917		Hamilton Ave., S. Hamilton, Mass.
Couch, Edward Seguin, Δ T Δ	1917	U.	Cromwell, Conn.
Covitz, Philip	1914	V	4 Wyoming St., Roxbury, Mass.
Cowdrey, Carl Waldo Haven	1915	II U.	Fitchburg, Mass.
Cowles, Charles Leon	1914	VII	18 Moulton St., Lynn, Mass.
Cowles, Martin Warren	1915	XI	Fairfield, Conn.
Cowlin, Arthur Sidney	1917	U.	65 Chambers St., Boston, Mass.
Cracauer, Max, Z B T	1915	V	7 Aberdeen St., Boston, Mass.
Crandall, Willard Raymond	1916	V	27 Elm St., Westerly, R.I.
Crane, Frank Norman	1917		6 Pickering Ave., Roxbury, Mass.
Crankshaw, Alden, K Σ	1914	X U.	181 S. Third St., S. Orange, N.J.
Creighton, James Alexander	1914	III	Thomaston, Me.
Creighton, Samuel Henry, Jr.	1917	U.	94 Marion Pl., Rockville Centre, N.Y.
Cristal, Philip Nahm, A.B., Φ K Σ	1916	I U.	Bowling Green, Ky.
Critenden, Butler Parnell, Δ K E	1914	II	96 Emerson St., Rochester, N.Y.
Crocker, Ernest Charlton	1914	XIV	9 Dickens St., Dorchester, Mass.
Crosby, Gordon Eugene	1917		44 Glendale St., Dorchester, Mass.
Crosby, Irving Bullard	1915	XII U.	9 Park Lane, Jamaica Plain, Mass.
Crosby, Robert Addison	1916	II	8 Bellevue St., Dorchester, Mass.
Crosier, Charles Leavett	1916	XI	Hadley, Mass.
Cross, Roy Herbert	1914	VI	8 Holmes St., Nashua, N.H.
Crowell, Christopher Chase	1917		19 South St., Brockton, Mass.
Crowell, Donald Gibbs, Θ Δ X	1914	X	28 Everett Ave., Winchester, Mass.
Crowell, George Ira	1916	II	19 South St., Campello, Mass.
Crowell, Harold Ryder, Δ K E	1915	IV	902 S. Alvarado St., Los Angeles, Cal.

Name and Society	Class	Course	Home Address
Cummins, Earl H., S.B.	Grad.	VII	Des Moines, Ia.
Cunningham, Raymond John, B.S.	1914	I	41 N. Main St., S. Hadley Falls, Mass.
Currier, Horace Leslie	1917		42 Temple St., Newburyport, Mass.
Currier, Joseph Herbert	1914	II	6 Magnolia St., Newburyport, Mass.
Currier, Louis Wade	1914	III	39 Rogers Ave., Lynn, Mass.
Currier, Philip Mahlon	1914	VI	87 E. Haverhill St., Lawrence, Mass.
Curry, Walter	1915	IV	47 Washington St., Newport, R.I.
Curtin, Enos Wettlaufer, ΣX	1917		43 E. 27th St., New York, N.Y.
Curtis, Arnold Blake, A T Ω	1915	I U.	Warwick, R.I.
Curtis, Bradford Scott	1915	VI U.	Medfield, Mass.
Curtis, Lawrence, B.A., B Θ II	1915	V U.	Brookfield Centre, Conn.
Curtis, Morgan Putnam, $\Phi \Sigma K$	1916	I	56 Warren Ave., Marlboro, Mass.
Curtis, Ralph Endicott	1915	VI	253 Belmont Ave., Springfield, Mass.
Curtis, Theron Smith	1916	II	89 Washington St., N. Attleboro, Mass.
Cutler, Seth Charles	1916	X	Lewiston, Me.
da Costa, Marcos	1917	U.	Rua das Pretas 16-1, Lisbon, Portugal
Daggett, Robert Gurney	1914	XI	Vineyard Haven, Mass.
Dale, Frederick Amerman, A.B.	1914	I	566 Walton Ave., New York, N.Y.
Daley, Henry Francis	1915	II	545 Walnut St., Fall River, Mass.
Dalton, John Nolan	1915	X	7 Leonard St., Milford, Mass.
Dalton, Marshall Bertrand, $\Phi \Gamma \Delta$	1915	I	122 High St., Portland, Me.
Dana, Alan Standish	1915	VI U.	76 Emery St., Portland, Me.
Dana, Leo Isadore	1917		34 Lawrence Ave., Roxbury, Mass.
Danforth, Harold Johnson	1914	VI	34 Central St., Saxonville, Mass.
Daniels, Donald Potter	1916	XIV	The Blackstone Hotel, Chicago, Ill.
Daniels, Harvey William	1915	I U.	87 Beulah St., Whitman, Mass.
Danker, Daniel Joseph	1915	V Sp.	73 Dean Rd., Brookline, Mass.
Davidson, Everett James, A X A	1917		40 Berkeley St., Boston, Mass.
Davies, Ralph Vinan	1916	X	67 Summer St., Plymouth, Mass.
Davis, Carrol Campbell, B.S.	1914	X U.	10 Westland Ave., Boston, Mass.
Davis, Charles Jefferson, Jr., B.S., $\Theta \Xi$	1914	I U.	120 E. Sixth St., Fernandina, Fla.
Davis, Chester Pelkey	1914	X	33 Arlington St., Cambridge, Mass.
Davis, Franklin Milton	1916	U.	159 George St., Medford, Mass.
Davis, Frederick Augustus William, ΔT	1915	I	165 Boulevard, Pelham, N.Y.
Dawson, Elmer Ellsworth, Jr., $\Delta K E$	1914	II	28 Washington Ave., Winthrop, Mass.
Day, Kirkland Hart, B Θ II	1917	U.	Riverbank Ct., Cambridge, Mass.
Dean, Carlton Miles	1917		1 Church St., Woburn, Mass.
Dean, Kemerton, $\Sigma A E$	1916	II U.	19 Lanark Rd., Brookline, Mass.
Dean, William Franklin, $\Phi K \Sigma$	1917		12 S. William St., Johnstown, N.Y.
De Beech, Albert Victor	1915	VI	482 Bolten St., New Bedford, Mass.
De Bell, John Milton	1917		Maple Ave., Great Barrington, Mass.
de Freitas, Paulo Raugel	1917		Sao Paulo, Brazil
de Fremery, Donald, ΨT	1915	II U.	77 Fairmont Ave., Oakland, Cal.
Delabarre, Lawrence Hassell, $\Phi \Gamma \Delta$	1916	VI U.	Hotel Coolidge, Brookline, Mass.
Delano, Ray Osborne	1916	VII	North Duxbury, Mass.
De Mars, Paul Alva	1917		43 Vine St., Lawrence, Mass.
Demeitt, John Edgar, A T Ω	1916	VI U.	Newmarket, N.H.

Name and Society	Class	Course	Home Address
De Merritt, Robert Elwyn	1916	I U.	119 Haven St., Reading, Mass.
Demond, Miles Elijah, $\Phi B E$	1917		North Adams, Mass.
Dempsey, Thomas Clifford, A.B.	1916	V U.	424 Brook St., Scranton, Pa.
Denkinger, George Marshall	1916	VI U.	14 Harris Ave., Jamaica Plain, Mass.
Dennen, William Llewellyn	1917		18 Wells St., Gloucester, Mass.
Derry, Gardner Clinton	1914	VI	Sharon, Mass.
des Granges, Donald Richard, $\Delta T \Delta$	1914	IV Sp.	234 Newbury St., Boston, Mass.
Desmond, Robert Refine	1916	VI U.	122 First Ave., Corry, Pa.
Detrich, Earl Emerson, S.B.	1915	I U.	Bolivar, Ohio
Devine, Alfred William	1914	II	110 School St., Roxbury, Mass.
Devine, Elbridge Russell	1916	X	Cedar Pl., Needham, Mass.
DeWitt, Arthur Birchard, $X \Phi$	1914	X U.	49 Canal St., Brattleboro, Vt.
Dewson, Harvey Field	1916	XI	622 W. 114th St., New York, N.Y.
Dickinson, Roscoe Gilkey	1915	X	1098 River St., Hyde Park, Mass.
Dickinson, Thorn, A.B., ΨT	1914	I	20 Haviland St., Boston, Mass.
Dickson, Arthur Donohue	1917		149 Austin St., Cambridge, Mass.
Dickson, Claudius Markham	1917	U.	208 Edward St., Shreveport, La.
Dickson, Ross Hewitt	1914	X	Amsterdam, N.Y.
Diemer, Robert Winfield	1916	VI U.	78 E. Penn. St., Germantown, Phila., Pa.
Dietch, Samuel Paul	1915	X U.	270 Shawmut Ave., Boston, Mass.
Dillon, Francis Henry, Jr.	1917	VI	58 High St., Charlestown, Mass.
Dimlich, Herbert Charles	1917		304 High St., Lawrence, Mass.
Dinsmore, Ray Putnam	1914	X	North St., Tewksbury, Mass.
Doane, Norman David, B.S.	1915	V U.	Meadville, Pa.
Dodd, Marvin James, B.S., $\Delta K E$	1915	II	78 Rutledge Ave., E. Orange, N.J.
Dodd, Sidney Reginald	1915	V	87 Washington St., E. Orange, N.J.
Dodge, Barnett Fred, $B \Theta II$	1917		94 Mayfield Ave., Akron, Ohio.
Dodge, Harold French	1916	VI	607 School St., Lowell, Mass.
Dodson, Frederick William	1917		1219 Vermont Ave., Washington, D.C.
Doherty, George Daniel	1917	U.	Front St., Scituate, Mass.
Doherty, Joseph Edmund	1916	V U.	45 Waban St., Newton, Mass.
Donnelly, John James	1917		84 Selwyn St., Roslindale, Mass.
Donovan, George William	1917		86 Chestnut St., Andover, Mass.
Donovan, Harold Celsus	1917		50 Walter Ave., Brookline, Mass.
Doon, James William	1917		42 W. Central St., Natick, Mass.
Doremus, Robert Child, $\Phi \Gamma \Delta$	1914	II U.	15 Crescent Ave., Montclair, N.J.
Dorrance, Arthur Calbraith, $\Sigma A E$	1914	X	1901 Chestnut St., Philadelphia, Pa.
Douglas, Donald Willis, $\Delta \Psi$	1914	II U.	Forest Hills, L.I., N.Y.
Dow, Lewis Morrill	1916	VI U.	75 Newhall St., Lynn, Mass.
Dowell, Arthur Edward	1917	U.	3026 Newark St., N.W., Washington, D.C.
Downing, Lester Locke, ΘX	1914	II	30 Bowdoin St., Cambridge, Mass.
Dowst, Henry, Jr.	1915	I U.	322 Orange St., Manchester, N.H.
Drach, Edgar	1917	U.	Union Trust Bldg., Cincinnati, Ohio
Drake, Frank Ellsworth	1916	II	186 Scaver St., Stoughton, Mass.
Drumme, William Wolftowe, ΘX	1917	IV U.	533 Washington St., Dorchester, Mass.
Dudley, Paul Fenno	1917		185 School St., Milton, Mass.
Duff, Levi Bird, A.B., $\Delta T \Delta$	1914	I	139 Lincoln Ave., Bellevue, Pa.
Duff, Paul Harrington, $\Theta \Xi$	1916	XI U.	5 Dexter Row, Charlestown, Mass.
Duffield, Thomas Jefferson, $\Phi \Sigma K$	1914	XI	206 Sixth Ave., Asbury Park, N.J.

Name and Society	Class	Course	Home Address
Duggan, Joseph Richard	1916	XI	1 West St., Milford, Mass.
Dunbar, Victor Young, B.S.	1916	IV	362 Hanover St., Manchester, N.H.
Dunham, Atwood Packard, $\Phi \Gamma \Delta$	1917	U.	309 Pleasant St., Brockton, Mass.
Dunn, Carl Theodore	1915	II	89 Thetford Ave., Dorchester, Mass.
Dunn, Frank Edward	1914	I	68 Pearl St., Melrose Hlds., Mass.
Dunning, Dean Charles	1915	I U.	1403 Campbell Ave., Schenectady, N.Y.
Dunning, Stanley Covert, $\Phi \Gamma \Delta$	1917		385 Putnam Ave., Cambridge, Mass.
du Pont, Francis Victor, $X \Phi$	1917		808 Broome St., Wilmington, Del.
Durkee, Chauncey Hilton	1915	II	31 Columbus Ave., Haverhill, Mass.
Duryea, George Root, $\Phi B E$	1916	II	34 Federal St., Springfield, Mass.
Easter, George Jones	1915	XIV	805 Rio Grande St., El Paso, Tex.
Easter, James Washington, A.B., $\Phi \Gamma \Delta$, .	1914	VI	2100 Eutaw Pl., Baltimore, Md.
Eastman, William, Jr., $\Phi K \Sigma$	1916	II U.	2719 Walnut Ave., Evanston, Ill.
Eaton, George Oscar	1915	VI	51 Witherbee St., Marlboro, Mass.
Eaton, Roland Hurlbut	1917		South Sudbury, Mass.
Eberhard, Walter Carl	1914	I	138 Poplar St., Roslindale, Mass.
Eberhardt, John Dennett	1916	II	248 Gray St., Arlington, Mass.
Eddy, Carlton Winne	1915	II-VI	54 Magnolia St., Dorchester, Mass.
Eddy, Harrison Prescott, Jr., $\Phi \Gamma \Delta$. . .	1917		65 Gray Cliff Rd., Newton Centre, Mass.
Edelstein, Jacob Edward	1914	VI	North Branch, Minn.
Edgerton, Harold Charles	1915	II	Mittineague, Mass.
Edwards, Earl Albert	1916	VI U.	231 Main St., Malden, Mass.
Eichorn, William Newsome, $\Delta \Phi$	1914	XI	6 Newsome Pk., Jamaica Plain, Mass.
Ekdahl, Edwin Albert	1916	VI	9 Cardington St., Roxbury, Mass.
Eksergian, Rupen	1914	VI	9 Madison St., Somerville, Mass.
Ellicott, Charles Ellis, Jr., A.B.	1915	XIII U.	Melvale, Baltimore, Md.
Ellicott, Valcoulon LeMoine	1915	VII U.	Melvale, Baltimore, Md.
Elliott, George Porter	1916	X U.	6 Dalton St., Newburyport, Mass.
Ellis, Herbert William	1916	VI	14 Courtland St., Middleboro, Mass.
Ellsworth, Samuel Morrison	1916	XI	117 Adams St., Braintree, Mass.
Emerson, Ralph Martindale	1914	VI	2325 Madison Ave., Ogden, Utah
Enchuske, Bror Viking, ΣX	1915	I	1067 Beacon St., Brookline, Mass.
Engstrom, Karl Emil	1915	II U.	Lancaster, Mass.
Erb, Robert Curtis	1917		7 Fenelon St., Dorchester, Mass.
Ervay, Ervay Bronaugh	1916	IV U.	Box 786, San Diego, Cal.
Evans, Howard Tasker, $\Theta \Xi$	1916	IV	464 Water St., Haverhill, Mass.
Evans, James Morrison, $\Phi \Sigma K$	1916	II U.	57 Clark St., Paterson, N.J.
Ewan, Charles Motch, ΣX	1917	U.	328 Wallace Ave., Covington, Ky.
Fairfield, John Guthrie	1916	II	Foster St., Littleton, Mass.
Fales, Dean Abner, $\Delta K E$	1914	II U.	145 Highland St., West Newton, Mass.
Fales, William Thurber	1917		65 Bellvale St., Malden, Mass.
Fallon, Charles Gerard, $B \Theta H$	1914	III	31 Burroughs St., Jamaica Plain, Mass.
Farhi, Joseph	1916	I	Constantinople, Turkey

Name and Society	Class	Course	Home Address
Farnsworth, Augustus Page, A T Ω	1917		6 Franklin Ter., Hyde Park, Mass.
Farrar, John Robinson	1916	IV U.	95 Walnut St., Abington, Mass.
Farthing, William Jones	1916	I U.	1602 Congress Ave., Houston, Tex.
Faunce, Linwood Draper, $\Phi \Sigma K$	1914	IV	78 E. Main St., Marlboro, Mass.
Favorite, Richard Joseph	1914	II	183 Highland Ave., Wollaston, Mass.
Fay, Harold Van Vechten, A.B., K A.	1914	IX U.	39 William St., Auburn, N.Y.
Fellows, Richard Charles	1916	VI	25 Walker St., W. Somerville, Mass.
Ferguson, Donald Gardner	1917	IV	56 Bay State Rd., Boston, Mass.
Ferguson, Julian Kingsland	1916	II U.	1561 Beacon St., Brookline, Mass.
Ferguson, Louis Aloysius, Jr., $\Delta K E$	1917	U.	1401 Davis St., Evanston, Ill.
Ferreira, Mizail Leme	1916	I U.	Sao Paulo, Brazil
Ferretti, Alfred John	1917		92 Church St., Lynn, Mass.
Fessenden, Reginald Kennelly	1917	U.	1677 Beacon St., Brookline, Mass.
Fessenden, Thomas Amory Deblois, X Φ	1915	VI U.	Washington, D.C.
Fette, Franklin Charles, A.M., Ph.B.	1914	VII Sp.	71 Curve St., Wellesley, Mass.
Fick, Otto Wilhelm	1914	II	1528 Hood Ave., Chicago, Ill.
Field, Arline, Ph.B., A.M.	1915	V Sp.	222 Medway St., Providence, R.I.
Field, Burnham Evans	1915	X	44 North St., Portland, Me.
Fine, Harry	1917		135 Bowdoin St., Malden, Mass.
Finkelstein, Joseph Louis	1915	VIII	7 Anderson St., Boston, Mass.
Finks, Abraham Joseph	1914	XIV U.	122 Monument St., Portland, Me.
Finn, John Joseph	1917	U.	27 Skinner St., Brockton, Mass.
Fish, Joseph Pryor	1914	VI	243 Belmont St., Brockton, Mass.
Fisher, David Kirkpatrick Este, Jr., Litt.B.	1916	IV	1004 American Bldg., Baltimore, Md.
Fisk, Eugene Moody	1914	II	710 12th St., Greeley, Col.
Fiske, Charles Parker, $\Delta T \Delta$	1914	II	173 Woodland Rd., Auburndale, Mass.
Flannagan, Coke	1915	VI U.	243 N. Mountain Ave., Upper Montclair, N.J.
Fleming, William Harold, $\Delta T \Delta$	1915	II U.	818 St. Clair St., Akron, Ohio
Fletcher, Jesse, Jr., B.S., $\Phi \Sigma K$	1916	IV U.	Union Trust Co., Indianapolis, Ind.
Fletcher, Ralph Andrew	1916	I	Westford, Mass.
Fletcher, Ralph Leslie, $\Sigma A E$	1915	II	103 Parade St., Providence, R.I.
Floyd, Robert Kendall	1916	U.	109 Edison Ave., Detroit, Mich.
Fogerty, Joseph Samuel	1915	VI	118 Bartlett St., Somerville, Mass.
Fonseca, Edward Lawrence	1915	VI	75 Fayerweather St., Cambridge, Mass.
Foote, Francis Chandler, X Φ	1915	XI U.	Cooperstown, N.Y.
Forbes, Lester Thurston	1914	VI	96 Franklin St., S. Framingham, Mass.
Ford, Frederic Leslie	1917		67 Willis St., New Bedford, Mass.
Ford, Wendell Bradford	1917		67 Willis St., New Bedford, Mass.
Foss, Frederic Dearborn	1917		2 Hancock St., Haverhill, Mass.
Foster, Frank Ruddick	1916	I	30 Mill St., Dorchester, Mass.
Foster, Howard Leslie	1916	XI	83 Friend St., Amesbury, Mass.
Foster, Kendall Peabody	1915	IV	2 Park St., Peabody, Mass.
Foster, Newell Lathrop, $\Phi K \Sigma$	1915	X U.	100 Perham St., W. Roxbury, Mass.
Fouhy, Joseph John	1916	XI	21 Wall St., Charlestown, Mass.
Fowle, Donald Adams, $\Delta K \Phi$	1915	IV U.	Francis St., Woburn, Mass.
Fowle, Walter Harrison	1916	II	8 Cedar St., Woburn, Mass.
Fox, Charles Ephraim, B Θ II	1914	XI U.	15 Montrose St., Roxbury, Mass.
Fox, Samuel Mickle, Jr.	1915	I	Torresdale, Pa.

Name and Society	Class	Course	Home Address
Frank, Earle Nichols, Ph.B.	1914	X	Hastings, Minn.
Frank, Harry	1916	X	1238 Tremont St., Roxbury, Mass.
Franks, James Brown, Jr., X Φ	1915	II U.	125 School Lane, Germantown, Philadelphia, Pa.
Frazine, Hamilton Schaeffer, $\Theta \Delta X$. .	1915	II	12 St. Johns Place, Buffalo, N.Y.
Freed, Samuel	1915	V U.	40 Market St., Cambridge, Mass.
Freeman, Edward Emery	1916	VI U.	3 Nazing St., Grove Hall, Boston, Mass.
Freeman, Hovey Thomas, $\Delta K E$	1916	II U.	235 Arlington Ave., Providence, R.I.
Freeman, John Ripley, Jr., $\Delta K E$. . .	1916	XIV	235 Arlington Ave., Providence, R.I.
Freeman, Osborn Ricker	1915	IV U.	45 S. Rodney St., Helena, Mont.
Friebus, Reginald Theodore, ΣN . . .	1915	I U.	3 Highland Ave., Jamaica, L.I., N.Y.
Friend, Donald Osborne, $\Theta \Delta X$	1917	U.	404 Clinton St., Brooklyn, N.Y.
Fry, Charles Wilbur, $\Phi K \Sigma$	1915	IV	100 Hollywood Ave., E. Orange, N.J.
Fuller, Constance, A.B.	1914	IV Sp.	38 Concord Ave., Cambridge, Mass.
Fuller, Harold Chipman, $\Phi \Sigma K$	1916	X	22 Summit Ave., Salem, Mass.
Furuichi, Lieut. Tatsuo	1914	VI U.	Kyoto, Japan
Fütterer, Wolfram Alexander, $\Delta \Psi$. . .	1917		514 Fullerton Parkway, Chicago, Ill.
Gagnon, Jules	1916	VII U.	167 $\frac{1}{2}$ Merrimac St., Newburyport, Mass.
Gallagher, John Sears, A.B., ΔT . . .	1915	I U.	2024 Austin Ave., Waco, Tex.
Gallene, Victor Joseph	1914	I	21 Everett St., Charlestown, Mass.
Gannett, Robert	1917		2556 University Pl., Washington, D.C.
Garcia, José Manuel, B.S.	1916	VI U.	11 Banos, Vedado, Havana, Cuba
Gardiner, Charles Slocum	1915	I	788 Massachusetts Ave., Cambridge, Mass.
Gardner, Chester Russell	1915	II U.	11 Spring Hill Ter., Somerville, Mass.
Gardner, Hartley Burton, $A T \Omega$	1917		13 Bigelow St., Cambridge, Mass.
Gardner, Henry Lawrence	1915	XIII U.	11 Newsome Pk., Jamaica Plain, Mass.
Gardner, Joseph Paul	1917		206 Linden St., Everett, Mass.
Gargan, Joseph Aloysius	1917	U.	110 Winthrop St., Roxbury, Mass.
Garita, Gonzolo, Jr., $\Phi \Gamma \Delta$	1916	IV	64 Col. San Rafael, Mexico City, Mexico
Gartner, Walter Christian Frederick . .	1917		46 Spring Park Ave., Jamaica Plain, Mass.
Garza, Eugenio Sada	1914	I	Monterey, Mexico
Gaus, Gilbert Herman, $\Phi \Sigma K$	1916	II	12 Jefferson St., Brooklyn, N.Y.
Gazarian, Hamper Theodore	1914	II	16 Browning Ave., Dorchester, Mass.
Geer, Laurence Patten, $\Theta \Xi$	1915	VII U.	38 Atlantic St., Lynn, Mass.
Geiger, Carl Earnest, Jr.	1917	X U.	1223 E. Breckenridge St., Louisville, Ky.
Gere, Edwin Clarence, $\Theta \Delta X$	1914	I U.	535 Oak St., Syracuse, N.Y.
Getchell, Carroll Foster	1917	II	45 Ellery St., Cambridge, Mass.
Gfroerer, Herbert	1916	II	50 Richfield St., Dorchester, Mass.
Gibbons, Thomas Manning	1917	U.	Grove St., Mattapan, Mass.
Giffels, John Emil William	1914	II	112 Riverside Drive, Dedham, Mass.
Gilbert, Francis Prince	1914	XI	6 Odell Ave., Beverly, Mass.

Name and Society	Class	Course	Home Address
Giles, Allen Lester	1916	IV	66 Massachusetts Ave., Walpole, Mass.
Giles, Wesley Marshall, $\Phi \Delta \Theta$	1916	VI	Obannon, Ky.
Gillespie, Alexander Garfield, U.S.A.		Sp.	Hotel Brunswick, Boston, Mass.
Gillespie, Kingsley Alexander, $\Phi \Sigma K$	1917	U.	117 Prospect St., Stamford, Conn.
Gilliard, Charles Thomas	1917		14 Kress St., Lawrence, Mass.
Gillis, Marcel Alfred	1916	II U.	806 W. Beach Ave., Biloxi, Miss.
Gilmour, Arthur Emerson	1917		26 Upland Rd., Cambridge, Mass.
Ginsburg, Jacob	1915	II	3 Florence St., Lawrence, Mass.
Ginsburg, Solomon Max	1914	X U.	66 Munroe St., Roxbury, Mass.
Gladding, Raymond Daniel, B.S., ΘX	1914	XI U.	8 Gladding Ave., Fall River, Mass.
Glen, Frederick Fliedner, ΣX	1916	IV Sp.	Portland, Ore.
Glidden, Henry Orange, S.B., $\Phi K \Sigma$	Grad.	IV	14A Sacramento St., Cambridge, Mass.
Goeptert, Gale Dorr	1917		1938 E. 116th St., Cleveland, Ohio
Goeth, Ralph Conrad, A T Ω	1914	IV	307 W. 7th St., Austin, Tex.
Gokey, Noah Webster, A X A	1917	U.	536 E. Second St., Jamestown, N.Y.
Goldberg, Louis Samuel	1917		9 Page St., Dorchester, Mass.
Goldenberg, Morris	1914	II	91 Intervale St., Roxbury, Mass.
Goldstein, Edwin Jacob	1916	X	18 Adelaide St., Hartford, Conn.
Goldstein, Joseph	1917	I	15 Milton St., Malden, Mass.
Goodale, Francis	1917		Marlboro, Mass.
Goodell, Edwin Burpee, Jr., $\Delta K E$	1915	IV U.	63 Park St., Montclair, N.J.
Gooding, Percy Poole	1916	X	101 Glenwood Ave., Hyde Park, Mass.
Goodwin, Edward Rollins, Jr., $\Theta \Delta X$	1914	II	15 Germain St., Worcester, Mass.
Goodwin, Walter Germain	1917	II	11 Cliff St., Melrose Hlds., Mass.
Gookin, Robert Turnbull	1914	V	356 Seaver St., Dorchester, Mass.
Gorayib, Abder Rahman Emin, B.A.	1914	I	Beyrout, Syria
Gordon, Barnett David	1916	X	205 Columbia Rd., Dorchester, Mass.
Gore, John	1916	X	34 Rowe St., Auburndale, Mass.
Gorfinkle, Louis	1917		35 N. Russell St., Boston, Mass.
Goudey, Raymond Freeman	1917		32 Waverly St., Everett, Mass.
Gould, David Foster, ΘX	1914	X	7 Pickett St., Beverly, Mass.
Gould, Prescott Wilder, $\Phi B E$	1917		1206 Boylston St., Newton Upper Falls, Mass.
Gove, Frank Stanley	1916	XIV	9 Garden St., Newburyport, Mass.
Graff, Murray Gensel, ΣX	1916	VI	275 S. Clarkson St., Denver, Col.
Graham, Arthur Francis, Jr.	1916	I	12 Thane St., Dorchester, Mass.
Gramstorff, Emil Anton	1917		145A Belmont St., Everett, Mass.
Grant, William, B.S.	1914	VI Sp.	2420 R St., Lincoln, Neb.
Graves, William Lee, $\Delta \Phi$	1916	VI U.	458 Centre St., S. Orange, N.J.
Gray, Harold Parker, $\Delta K \Phi$	1916	II	86 Cedar Park, Melrose, Mass.
Gray, William Ayres, Jr., $\Delta K \Phi$	1917		736 Salem Ave., Elizabeth, N.J.
Green, Max Thomas	1917	XIII U.	584 Broadway, Everett, Mass.
Greenleaf, Allen Raymond	1915	XIV	39 Jordan Ave., Wakefield, Mass.
Greenleaf, Earl Austin	1917		11 South St., Woburn, Mass.
Greenough, Gordon Baker	1914	X	78 Rockland Ave., Malden, Mass.
Griffin, Joseph William, A.B.	1917	XI	Holliston, Mass.
Griffith, Henry Maynard, $\Delta K \Phi$	1914	IX U.	Seattle, Wash.
Gross, Charles Frederick	1916	XIII U.	916 E. North Ave., Baltimore, Md.
Grüber, Rudolf Edward, $\Delta \Psi$	1916	X U.	Freiburg, Germany
Guething, Carl Theodore, X Φ	1916	II U.	Hollis, N.H.
Guething, Theodore Hervey, X Φ	1914	II	Hollis, N.H.
Guimaraes, Agnello de Lima	1916	VI U.	Sao Paulo, Brazil
Gunts, Robert Fulton	1916	VI U.	2706 N. Charles St., Baltimore, Md.

Name and Society	Class	Course	Home Address
Gurney, Stuart Willis, A X A	1915	X	45 Tilton Ave., Brockton, Mass.
Gustin, Ernest Ellis	1917		3 Virginia St., Somerville, Mass.
Guthrie, John Foster	1915	II	24 Chestnut St., Waltham, Mass.
Gutiérrez, Artemio Prieto, A.B.	1915	VI U.	Santiago, Chili, S.A.
Hadley, Egbert Charles, A.B., Δ K E	1914	VI	7 Pleasant St., Middlebury, Vt.
Hadley, James Addison, Jr.	1914	II	35 Chestnut St., Malden, Mass.
Haggkvist, Fred Eric	1916	II	31 Rockwell St., Malden, Mass.
Hahn, Albert Jerome, M.S.	1915	VI U.	650 Government St., Mobile, Ala.
Haines, Elmer Burke, Δ K E	1916	II U.	337 Main St., Portland, Conn.
Halberstadt, Alexander Ernest, Δ Φ	1916	VI	1 Odell Pl., New Rochelle, N.Y.
Hale, Bertrand Hunt	1914	X	34 Lincoln St., Hudson, Mass.
Hale, Clarence William, Θ Δ X	1915	II	36 Magnolia Ter., Springfield, Mass.
Hale, Edwin Dudley	1916	X U.	495 Columbia Rd., Dorchester, Mass.
Hall, Albert Stanley	1917		216 Erie St., Cambridge, Mass.
Hall, Alfred Edgar Burton	1915	II	54 Exchange St., Portland, Me.
Hall, Benjamin Taylor	1917		40 River Ave., Norwich, Conn.
Hall, Charles Loring, Φ Σ K	1915	I	533 W. Park St., Dorchester, Mass.
Hall, Edward Reynolds, Δ Ψ	1916	IV	33 Warren St., Salem, Mass.
Hall, Florence Clextan, A.B.	1915	Sp.	148 Hemenway St., Boston, Mass.
Hall, Frank Winston, B.S.	1915	V U.	Georgetown, Tex.
Hall, George Lawrence	1917	U.	198 W. Emerson St., Melrose, Mass.
Hall, Herbert Hudson	1914	II	119 Oxford St., Cambridge, Mass.
Hall, Leigh Spaulding, Φ K Σ	1914	II	32 Merrimac St., Concord, N.H.
Hall, Leslie Standish	1914	I	44 Palmouth St., Boston, Mass.
Hall, Morris Frank	1915	XI U.	Edgartown, Mass.
Hall, Oliver Cushing	1914	VI	48 Wannalancet St., Lowell, Mass.
Hamburg, Abraham	1916	XI U.	31 Temple St., Boston, Mass.
Hamill, Charles Hugh	1916	I	49 Warren St., Stoneham, Mass.
Hamilton, Leicester Forsyth	1914	V	31 Hillside Ave., Medford, Mass.
Hammond, Anning Smith, Θ Δ X	1914	VI	Lake City, Col.
Hanchett, Walter Richardson	1915	II	89 Harvard St., Lowell, Mass.
Hand, Carl Nelson, B.S.	1915	X U.	Medina, N.Y.
Handlin, Claire Venney	1916	X U.	423 N. 15th & E. Sts, Fort Smith, Ark.
Hands, Howard Albert	1916	VI	417 Beacon St., Lowell, Mass.
Hanford, Edgar Francis	1916	XIII	220 Neponset Ave., Dorchester, Mass.
Hann, Francis	1917		30 Kilsyth Rd., Brookline, Mass.
Hannah, Thomas Ewing	1917		47 Arlington St., Fitchburg, Mass.
Hansberry, Thomas William	1917		Waldeck Rd., E. Milton, Mass.
Hansen, Clarence Thorvald	1916	V	43 Fayette St., Cambridge, Mass.
Hanson, Alfred Emanuel	1914	VI	7 Francis Court, Quincy, Mass.
Hanson, Edwin Robert	1917		6 Carson St., Dorchester, Mass.
Harbaugh, William Milton, A.B.	1915	VI	Colorado Springs, Col.
Harding, George Wilder	1914	II	40 Lincoln Ave., Fall River, Mass.
Hardwick, Richard, Δ T	1917		40 King St., Roxbury, Mass.
Hardy, Roy Edward	1914	I	17 Maple Ave., Andover, Mass.
Harlow, Foster Chichester	1917		89 Blue Hill Parkway, Mattapan, Mass.
Harlow, Hamilton	1914	IV	4 Avon St., Cambridge, Mass.
Harlow, Harold Lee	1914	II	59 Mt. Vernon St., Malden, Mass.
Harmon, Gaius Elijah, M.D.	1914	VII Sp.	Randolph, Mass.
Harper, Kenneth Leroy, Φ Σ K	1916	XIV	386 Chestnut St., Meadville, Pa.
Harper, Stirling Hart	1914	IV U.	53 Parker St., Watertown, Mass.

Name and Society	Class	Course	Home Address
Harrington, Carlin Forrest	1916	VI U.	20 Circuit St., Roxbury, Mass.
Harrington, Max Houghton, B.S., S.B.	Grad.	XI	Fargo, N.D.
Harrington, Walter, $\Phi \Gamma \Delta$	1917		1060 Central Ave., Plainfield, N.J.
Harris, Frederick Warren, Jr.	1915	III	187 Front St., Weymouth, Mass.
Harris, William Bernard, A.B.	1914	II Sp.	Villa Nova, Pa.
Harrison, Matthew	1914	VI	300 Washington St., Winchester, Va.
Harrower, Paul Dexter	1916	II U.	45 Bloomingdale St., Chelsea, Mass.
Hart, Mervin Stanley, A.B., $A \Delta \Phi$	1915	VI Sp.	New Britain, Conn.
Hart, Ralph	1915	X	44 Devon St., Roxbury, Mass.
Hart, Robert Francis	1915	XIII U.	75 Maple Ave., Morristown, N.J.
Hartmann, Henry Frederick George	1917		59 Lexington St., Waltham, Mass.
Harvey, Clarence Wardwell	1916	VI	78 Chestnut St., Everett, Mass.
Haslam, Greville George, $\Delta \Psi$	1915	IV U.	Derry, N.H.
Haslam, Reed Hamilton	1917		21 Pond St., Hyde Park, Mass.
Hastie, Frank Bowman, ΣX	1916	XI	107 Westervelt Pl., Passaic, N.J.
Hastings, Henry Winthrop, A.B., $\Phi \Gamma \Delta$	1916	IV U.	Walpole, N.H.
Hatch, Arthur Selden, A.B.	1915	III	79 Benton Rd., Somerville, Mass.
Hatch, Forrest Meldon	1917		38 Ferry St., Malden, Mass.
Hatch, Freeman Clark, Jr.	1916	II U.	201 Warren Ave., Wollaston, Mass.
Hatch, Paul, $\Phi K \Sigma$	1916	II	123 Grant Ave., Newton Centre, Mass.
Hathaway, Elmer Leroy	1914	I U.	74 Purchase St., Newburyport, Mass.
Haumann, Earl Leason	1916	XIV	144 Malden St., Revere, Mass.
Hauser, Walter Joseph	1914	IV	5 Carson St., Dorchester, Mass.
Haviland, Theodore Z.	1917	U.	27 Greene Ave., Norwich, Conn.
Hawes, Calvin Wesson	1916	II	20 Avon St., Wakefield, Mass.
Hawes, Clayton Prescott, $K \Sigma$	1916	VI	North Dartmouth, Mass.
Hawgood, Arthur Clark, ΣX	1915	II	East Mentor, Ohio
Hawley, Kenneth Fabins	1916	VI	989 Oak St., Salem, Ore.
Hayes, Olin Henry, $B \Theta \Pi$	1916	II U.	209 Jackson St., Lawrence, Mass.
Haylett, Robert Everett, B.S., $B \Theta \Pi$	1915	X	2904 Wells St., Milwaukee, Wis.
Hayward, Edwin Daniel	1914	I	253 Pleasant St., Bridgewater, Mass.
Hayward, Ernest	1915	IV Sp.	24 Walnut Rd., Winter Hill, Mass.
Hayward, Roy Loring	1915	I U.	South Easton, Mass.
Healy, Francis Chouteau	1914	VI	722 St. Nicholas Ave., New York, N.Y.
Heath, Carl Jeffrey	1917		Stockbridge, Mass.
Heath, Elmer Hinckley, Jr.	1917		72 Minot St., Neponset, Mass.
Heath, Leslie John, A.B.	1915	V	51 Crescent Ave., Chelsea, Mass.
Hebenstreit, Harold	1917	U.	25 Aspinwall Rd., Dorchester, Mass.
Hefler, Richard Evans	1916	I	Dennis, Mass.
Hegenberger, Albert Francis	1917		685 Seventh St., S. Boston, Mass.
Heller, John Kretzing, $A X A$	1916	VI	842 Fifth Ave., Helena, Mont.
Helseth, Sigurd Trygve, A.B., ΔT	1915	X	Appleton, Minn.
Henderson, George Winslow	1917		Kendal Green, Mass.
Henkle, Ralph	1917	U.	24 Glenway St., Dorchester, Mass.
Henricksen, Albert Norman	1914	II	281 Princeton St., E. Boston, Mass.
Herbert, Sewall, $\Theta \Delta X$	1917		229 Avenue A, Bayonne, N.J.
Herlihy, Frank Joseph	1915	II	53 Howard St., Lynn, Mass.
Hession, John Henry, S.B.	Grad.	I	134 Pleasant St., Lowell, Mass.
Hettinger, Frederick Carl, B.S.	1914	VII Sp.	100 Rowe St., Roslindale, Mass.
Hewins, Edward Foster, $\Phi B E$	1916	XIII	Hampton, Va.

Name and Society	Class	Course	Home Address
Hickey, John James	1916	XI	90 Murdock St., Brighton, Mass.
Higby, Janet Baker, A.B.	1915	V U.	523 W. 10th St., Erie, Pa.
Higgins, Alfred Lansing, O X	1914	VI	553 Watertown St., Newtonville, Mass.
Highley, Seward	1915	I	11 Powder House Rd., Medford, Mass.
Hilbert, Otto William	1915	II	27 Franklin St., Holyoke, Mass.
Hill, Lucius Tuttle, A Φ	1916	II U.	75 Monmouth St., Brookline, Mass.
Hill, Moses Ebenezer, Φ K Σ	1915	VI U.	West Redding, Conn.
Hiller, Adelbert Delano, O Δ X	1914	VII U.	Marion, Mass.
Hills, Leander Herbert	1917		18 Liberty St., Ipswich, Mass.
Hilton, Gabe Bouck, Φ Γ Δ	1915	III	Oshkosh, Wis.
Hinckley, Royal Riford, S.B.	1915	XI U.	841 Vine St., Beloit, Wis.
Hine, Tredick Kittredge, O Ξ	1916	IV U.	32 Forest St., New Britain, Conn.
Hines, John Willis, Δ K Φ	1914	VI	Farmington, Conn.
Hinkley, Nelson Crosby	1917		Vineyard Haven, Mass.
Hobbs, James Beecher	1916	XIII	95 Blackmore Ave., Auburn, R.I.
Hoffman, Leslie Albert	1917		886 Canterbury St., Roslindale, Mass.
Hoffmann, Saul Alexander	1916	X U.	546 S. Chicago St., Joliet, Ill.
Hogan, John Forbes	1916	IV	17 Beech St., Pawtucket, R.I.
Holden, Dudley Furber	1916	X U.	153 Central St., Winter Hill, Mass.
Holmberg, Carl Herbert	1916	I	6 Pleasant St., Wakefield, Mass.
Holmes, Albert, O Ξ	1916	VI	5618 Colorado Ave., Washington, D.C.
Holmes, Frank William	1916	V	49 Thurston St., Winter Hill, Mass.
Holmes, James Thomas, B O II	1914	VI	502 N. Wayne St., Piqua, Ohio
Holmes, John Colburn, A.B.	1915	II U.	25 Highland Ave., Franklin, N.H.
Holmes, Stephen Roy, A.B., A T Ω	1915	VI	Corydon, Ia.
Holt, Clarence Gilliland	1917		26 Trenton St., Melrose, Mass.
Holt, Osgood Wellington	1917		16 Pleasant St., Arlington, Mass.
Holt, William Leland, A.B., M.D.	1914	VII Sp.	96 Westbourne Rd., Forest Hills, Mass.
Holton, John Hill	1917		10 Warner St., Dorchester, Mass.
Holway, Alvah Story, A.B., A X A	1914	XI	Sandwich, Mass.
Holway, William Rea, Σ N	1915	XI	Sandwich, Mass.
Homan, John, O Ξ	1915	XIII U.	31 Beach Ave., Swampscott, Mass.
Hood, John Marshall	1916	V	Turners Falls, Mass.
Hooper, Donald Oren	1915	II	69 Ashmont St., Woodfords, Me.
Hopkins, Charles Harold, B.S.	Grad.	IV	5303 Monte Vista St., Los Angeles, Cal.
Hopkins, Spencer Drummond, A.B.	1916	VI	Onancock, Va.
Horbakowsky, Ewell	1916	VI U.	Nicolaeff, Russia
Horton, Joseph Warren	1914	XIV	Ipswich, Mass.
Hou, Moo Ching	1914	XIII	Tan Yang, China
Hou, Te Pang	1917		Foochow, China
Houser, William Arnold, A.B., Φ B E	1915	II U.	157 Avery Ave., Detroit, Mich.
Houston, Walter Park	1914	I	7 Highland Ave., Stoneham, Mass.
Howard, Frank Charles	1917		35 Byron St., Haverhill, Mass.
Howard, William Floyd, B.S.	1916	IV U.	Fairbanks, Wash.
Howes, Paul Sampson	1914	IV U.	17 Harvard St., Holyoke, Mass.
Howes, Ralph Herbert, Δ K Φ	1914	X	505 W. 2d St., Oil City, Pa.
Howkins, John Smallbrook, X Φ	1915	II	313 Zimmett St., E., Savannah, Ga.
Howlett, Arthur Enoch, Φ K Σ	1914	X	56 Chestnut St., Wakefield, Mass.
Howlett, Clarence Weare, B O II	1915	X	12 Whittier St., Cambridge, Mass.
Hoyt, Albert James	1914	II	Oyster Bay, L.I., N.Y.

Name and Society	Class	Course	Home Address
Hoyt, Fred Anson	1917	U.	73 Chandler St., W. Somerville, Mass.
Hoyt, Lester Francis, S.B.	Grad.	V	139 Bay St., Springfield, Mass.
Hsi, Te Chun	1915	III U.	Shanghai, China
Hsi, Turpin	1914	XI	Shanghai, China
Hsin, Chee-Sing	1914	XIII	Shao-Shing, China
Hsu, Ming Tsai, S.B.	Grad.	X	Ningpo, China
Hsu, Pei Hwang	1914	V	Shanghai, China
Hu, Poh Yuan	1916	III	Shanghai, China
Hubbard, Frank Simmons, Σ A E	1916	I U.	70 Sudbury Rd., Concord, Mass.
Huff, Thomas Henri, Σ A E	1915	II	2027 Upland Way, Overbrook, Pa.
Hughes, David Mulvane, Δ Φ	1915	VI	1133 Topeka Ave., Topeka, Kan.
Hughes, Walter Scott	1914	V	Milton, Mass.
Hulburd, Philip Edwin, Δ T Δ	1917		134 Newbury St., Boston, Mass.
Hull, Frank Jay, A.B.	1915	VII U.	Greene, Me.
Hunt, Frank Shephard, Σ A E	1916	X	216 Lowell St., Peabody, Mass.
Hunt, Gilbert Agnew	1917	U.	437 New Jersey Ave., S.E., Washington, D.C.
Hunt, Philip Linscott, Σ A E	1917	U.	187 Lowell St., Peabody, Mass.
Hunter, William Brown	1917		35 Stetson St., Fall River, Mass.
Hurlbutt, Frederick Lewis, K A	1915	II U.	548 Potomac Ave., Buffalo, N.Y.
Hurvitz, Benjamin	1915	X	75 Endicott St., Boston, Mass.
Huse, Kenneth	1916	V U.	2725 13th St., N.E., Washington, D.C.
Husted, Donald Robertson	1916	XIV	18 Temple Ave., Winthrop, Mass.
Hutchinson, Edward Howard	1917		1 Sparhawk St., Brighton, Mass.
Huxley, Roy Desmond, S.B., S.M.	Grad.	VI	22 Maple St., Florence, Mass.
Hyde, Stanley Winship	1917	U.	70 Tremont St., Malden, Mass.
Hyneman, John	1915	I	202 Chestnut Ave., Jamaica Plain, Mass.
Iasigi, Marie Victoire	1916	Sp.	46 Gorham Ave., Brookline, Mass.
Ingle, John Byron, Φ Δ Θ	1916	II U.	1630 Beech St., San Diego, Cal.
Jackson, Harvey Wheeler, A.B.	1916	IV	121 N. Bellinger St., Herkimer, N.Y.
Jacobs, Clifton Newman	1915	X	1189 Washington St., Dorchester, Mass.
James, Hubert Stafford, A T Ω	1915	IV	84 Monatiquot Ave., Braintree, Mass.
Jameson, Gordon Rogers, Σ A E	1915	II	58 Beach St., Wollaston, Mass.
Jasionowski, Vitold Adam	1915	II	Sebastopol, Russia
Jenkins, Edward Summers	1916	I U.	72 Coburn St., East Lynn, Mass.
Jennings, William, Σ X	1915	I U.	1205 Second Ave., Salt Lake City, Utah
Jerome, Frank Jay, A.B.	1914	I	Painesville, Ohio
Jewett, Theodore Carter, X Φ	1916	II	1299 Main St., Buffalo, N.Y.
Jewett, Thomas Green, Jr., B Θ II	1916	VI U.	558 W. Park St., Dorchester, Mass.
Johnson, Arthur Wallace	1914	II	13 Linden St., S. Boston, Mass.
Johnson, Benjamin Lewis	1915	IV Sp.	1724 Cass St., La Crosse, Wis.
Johnson, Everett Bailey	1916	VII	2 Johnson St., Newburyport, Mass.
Johnson, Kenneth Sherman, B Θ II	1915	II U.	51 S. Pine Ave., Albany, N.Y.
Johnson, William Frank	1917	U.	79 Steuben St., Utica, N.Y.
Johnston, Terence Roy, Φ B E	1915	IV	52 Rue Ribéra, Paris, France

Name and Society	Class	Course	Home Address
Jones, Fiske Reed, B O II	1915	II	Hotel Canterbury, Boston, Mass.
Jones, Lee Hall, Δ K E	1916	II U.	1806 S. Fremont Ave., Minneapolis, Minn.
Jones, Pierre Faneuil, B.S., Δ Φ	1914	V	434 Washington Ave., Buffalo, N.Y.
Joslin, Asher Winthrop	1917		157 Stratford St., W. Roxbury, Mass.
Joslin, Elmer Levi	1917	U.	1 Lexington Rd., Concord, Mass.
Joslyn, Ralph Palmer	1915	X	Holliston, Mass.
Judge, Charles Eric	1917	U.	188 Commonwealth Ave., Concord Jct., Mass.
Judge, James Anthony	1914	VI	55 N. Main St., S. Hadley Falls, Mass.
Kahn, Kenneth Desprès	1915	X	334 W. La Salle Ave., South Bend, Ind.
Kao, Takang	1915	II	Shanghai, China
Karns, Frederick Phillip, Δ K Φ	1914	II	Franklin, Pa.
Kaufman, Manahan Bremner, Z B T	1915	X U.	96 Concord St., Lawrence, Mass.
Kaula, Edgar Louis, Φ B E	1916	X	38 Richdale Ave., Winter Hill, Mass.
Keach, Leon	1917		1 Weldon St., Roxbury, Mass.
Keating, Arthur Elmer	1917		893 Seaview Ave., Bridgeport, Conn.
Keating, Harry McLain, A.B.	1914	X	52 Mechanic St., Rockland, Me.
Keeler, Harold Young, X Φ	1917		Ridgefield, Conn.
Keene, Horatio Nelson	1917		1074 River St., Hyde Park, Mass.
Keith, Gerald Marey, Φ B E	1914	I	303 Westminster Rd., Brooklyn, N.Y.
Keith, Stewart, B O II	1916	I U.	Brewster, Mass.
Keith, Walter Paramore, Δ T Δ	1914	X	Oconto, Wis.
Kelleher, John Augustine	1915	V U.	530 Canton St., W. Stoughton, Mass.
Keller, Parry	1915	II	36 Grand View Ave., Medford, Mass.
Kelly, John George, Jr., B.S., Σ X	1915	I U.	Portland, Ore.
Kemkemiah, Bedros, A.B.	1917	I	Cairo, Egypt
Kemp, Emory Leopold	1916	II	494 Adams St., Dorchester, Mass.
Kendall, Donald Sargent	1917		34 Carleton St., E. Orange, N.J.
Kenigsberg, Alexander	1917		57 Waverly St., S. Framingham, Mass.
Kennedy, Frederick Hunt	1914	IV	18 Bickerstaff St., Boston, Mass.
Kennedy, Verne Cornelius	1915	VI U.	Canton, S.D.
Kenney, Arthur Webster, S.B.	Grad.	X	12 Taft St., Dorchester, Mass.
Kenney, Frederick Stimpson	1917	II U.	Weston, Mass.
Kenney, Karl Elmore	1917		Weston, Mass.
Kerr, Ernest, A T Ω	1914	II U.	Fox River, N.S.
Kimball, Henry Maxwell, Δ T	1916	IV U.	Amherst, Mass.
Kimball, Norris Eaton	1915	II	25 Park St., Haverhill, Mass.
King, Howard Langdon, A.B., M.A.	1915	I	559 W. 164th St., New York, N.Y.
King, Kenneth Theodore, Δ T Δ	1915	X U.	5456 Indiana St., Chicago, Ill.
Kingsbury, Edward Joslin, Δ T	1915	II	33 School St., Keene, N.H.
Kittredge, George Davis, Δ T Δ	1916	I U.	412 N. Broadway, Yonkers, N.Y.
Kleinert, Albert Emanuel, Jr.	1916	I U.	523 3d St., Brooklyn, N.Y.
Klink, Nassime Solomon	1916	I	19 Pine St., Lawrence, Mass.
Klipstein, Herbert Clement, A.B.	1914	X	644 Greenwich St., New York, N.Y.

Name and Society	Class	Course	Home Address
Knapp, Harold Anthony	1917		26 E. High St., Newbury, Mass.
Knieszner, William Tobias	1916	VI	9 Hoyt St., Danbury, Conn.
Knight, Arthur Raymond	1917		13 Bromfield St., Newburyport, Mass.
Knowland, Richardson Grant	1915	X	43 Green St., Newburyport, Mass.
Knowland, Thomas Millbury	1917		43 Green St., Newburyport, Mass.
Knowles, Herbert Isaac	1915	V	98 Cypress St., Brookline, Mass.
Kramer, Charles George	1915	X U.	99 Elmo St., Dorchester, Mass.
Krigger, Anselmo	1916	I U.	416 Franklin St., Cambridge, Mass.
Kuehle, Frederick William	1916	VI	2834 N. Calvert St., Baltimore, Md.
Kuttner, Julius	1915	II	New York, N.Y.
Kwei, Ho Hung	1916	I U.	Canton, China
Lacy, Clive Woodbury, B O II	1915	VI	1640 Main St., Dubuque, Ia.
Lam, Von-fong	1915	XIII U.	Canton, China
Lamson, Horatio Wellington	1915	VIII	10 Oakland Ave., Arlington, Mass.
Landers, Bernard	1915	X	47 Revere St., Boston, Mass.
Lane, Frederick William	1914	X	4921 N. 12th St., Philadelphia, Pa.
Lane, Kenneth Mortimer	1917		20 Lawson Rd., Winchester, Mass.
Lane, Stanley Mayall	1917		82 Evans Rd., Brookline, Mass.
Langley, Miles Erskine, S.B., Δ K Φ	Grad.	I	127 M St., S. Boston, Mass.
Lanning, John Gustin	1914	VI	46 Lindsey St., Dorchester, Mass.
Lanphier, Basil C., A.B.	1916	VI U.	2533 Cass St., Omaha, Neb.
Lansil, Clifford Earl	1917		33 Burnham St., Waverley, Mass.
Lapham, Samuel, Jr., A.B.	1916	IV	34 Legare St., Charleston, S.C.
Lapp, Benjamin	1915	X U.	33 Spring St., Boston, Mass.
Larkin, Edward William, A.B., Σ X	1914	I	Haydenville, Mass.
Larner, Harold, O X	1916	XIII U.	948 Massachusetts Ave., Cambridge, Mass.
Larner, Herbert Beamish	1917		948 Massachusetts Ave., Cambridge, Mass.
Laskey, William Gallup	1917	U.	Hotel Puritan, Boston, Mass.
Lau, Long	1914	III	Kwangtung, China
Lauer, Luther Michael, A.B.	1917	X	Thomasville, Pa.
Lavine, Harry Louis	1916	X	242 Shawmut Ave., Boston, Mass.
Lavoix, Alfred Samuel	1917		66 Fremont St., Winthrop, Mass.
Law, Harry Heap	1915	IV Sp.	26 Howe St., Dorchester, Mass.
Lawrance, Charles William, Φ Γ Δ	1916	XI	85 Islington Rd., Auburndale, Mass.
Lawrason, Levering, Σ A E	1916	II	St. Francisville, La.
Lawrence, George Coy, Σ A E	1916	II U.	206 W. Myrtle St., Ft. Collins, Col.
Leathers, Walter Harold	1914	II	11 Francis Ct., Quincy, Mass.
Lee, Charles Shepard, O X	1914	III	25 Granite St., New London, Conn.
Lee, Stephen Mead	1917		25 Granite St., New London, Conn.
Leeb, Henry Lorent, Δ Φ	1915	VI	166 Ralston Ave., S. Orange, N.J.
Leeper, Charles Hart, Δ K E	1917	U.	Zanesville, Ohio
Lemmon, Mark, A.B.	1916	IV U.	2017 Commerce St., Dallas, Tex.
Lenehan, Francis Joseph	1916	II U.	83 Union St., Fall River, Mass.
Leonard, Paul Cooledge, Σ X	1917	U.	Lakeville, Mass.
Leshner, Robert Allen, O Δ X	1914	IX	338 Spring Garden St., Easton, Pa.
Leslie, Freeland Heston, A.B.	1914	II	Milton, Mass.
Levey, Benjamin	1916	XI	30 School St., Middleboro, Mass.
Levi, Elijah	1917		24 Lambert St., Roxbury, Mass.
Levine, Samuel	1916	I	239 Allston St., Cambridge, Mass.
Levinson, Myer	1914	X	26 Angell St., Boston, Mass.
Levy, Barney Benjamin	1916	XIV U.	94 Wayland St., Dorchester, Mass.
Lewis, Benjamin Ireson	1917		87 Ocean St., E. Lynn, Mass.

Name and Society	Class	Course	Home Address
Lewis, Chester Franklin	1916	I	306 Dudley St., Roxbury, Mass.
Lewis, Earl Carleton	1917	U.	12 Eutaw Ave., E. Lynn, Mass.
Lewis, Harry Irving	1915	II U.	18 Haviland St., Boston, Mass.
Lewis, Ira Sibley	1915	I	53 Irving St., Framingham, Mass.
Lewis, Malcolm, A. Φ.	1914	VII U.	2 Greenough Pl., Jamaica Plain, Mass.
Lewis, William Robert	1914	IV U.	Elkhorn, W. Va.
Lewiton, Samuel	1917		72 Granville Ave., Malden, Mass.
Li, Sing Dji	1915	II U.	Hofer, China
Li, Yung Ching	1917		Anhin, China
Libbon, Frank Anthony, U.S.N.	1917	Sp.	6 John A. Andrews St., Jamaica Plain, Mass.
Liddell, William Andrew	1916	I	25 Twelfth St., Lowell, Mass.
Lieber, Albert Carl, Jr., Θ Ξ	1916	I	20 Boylston St., Jamaica Plain, Mass.
Lincoln, Fay Sturtevant	1917		321 E. Otterman St., Greensburg, Pa.
Linnell, Robert Meredith	1915	XIV	1070 Beacon St., Brookline, Mass.
Lipman, Saul Harold	1916	X	25 Intervale St., Roxbury, Mass.
Litchfield, Allyne Cushing, A X A	1917		200 Fifth Ave., New York, N.Y.
Little, John Shirley, Φ Γ Δ	1915	X	515 S. 10th St., Burlington, Ia.
Livermore, Joseph Mason, Φ B E	1915	I U.	8 Arlington St., Boston, Mass.
Livingston, John White, A.B.	1914	X	Alto, Mich.
Lobdell, Harold Edward	1917		109 S. Perry St., Johnstown, N.Y.
Logan, Richard Whiting	1917		50 Brooks St., W. Medford, Mass.
Long, Alexander Gotwald, Jr., X Φ	1915	I	447 16th St., Portland, Ore.
Longoria, Armando Gonzalez	1914	I	Gibara, Cuba
Loo, Ping Yok	1916	VI	Tientsin, China
Loo, Wai Gyiao	Grad.	XIII	Ningpo, China
Loo, Wai Po	1914	II	Canton, China
Loomis, Charles Wheeler, B Θ Π	1916	XI U.	The Ludlow, Copley Sq., Boston, Mass.
Lord, Charles Rogers, Δ K E	1916	VI	93 Claremont St., Newton, Mass.
Lovejoy, George Montgomery, Jr., Φ Σ K,	1916	II U.	Hartford, Conn.
Loveland, Ernest Merrill, A X A	1915	X	409 Prospect Ave., Hackensack, N.J.
Lovell, Carleton Woodward, Φ K Σ	1915	I U.	65 Mt. Vernon St., N. Cambridge, Mass.
Lovenberg, Albert Michael	1917		352 Lloyd Ave., Providence, R.I.
Lovett, Israel Herrick	1914	VI	2102 Lothrop St., Omaha, Neb.
Low, Charles Endicott	1917		784 Washington St., Norwood, Mass.
Low, Raymond Putnam, A T Ω	1917	X U.	San Diego, Cal.
Lowe, Richard Vose	1917	U.	27 Mechanic St., Fitchburg, Mass.
Lowe, Russell Edmund, B.E., A Δ Φ	1915	V	350 W. 85th St., New York, N.Y.
Lowenberg, Maxwell	1915	VI	18 Fabyan St., Dorchester, Mass.
Lowengard, Richard Otto	1917		2 E. 45th St., New York, N.Y.
Lucas, Eugene Willett Van Court, Jr., X Φ,	1916	I	35 Claremont Ave., New York, N.Y.
Lucas, William Edward, Jr.	1914	II	1531 Railway Exchange Bldg., Chicago, Ill.
Luce, Edwin Clifford, Jr.	1914	IV U.	Marion, Mass.
Lucey, Henry Jerome	1915	X	62 Washington Ave., Natick, Mass.
Lunt, Joseph Richard, A.B.	1915	Sp.	32 Valley Rd., Milton, Mass.
Lynott, George Herring, A Φ	1915	VI U.	Louisiana, Mo.
Lyon, Walter Mitchell	1916	U.	153 M. St., S. Boston, Mass.
Lyons, Charles Edward	1917		4 Porter St., Woburn, Mass.

Name and Society	Class	Course	Home Address
MacBride, Edwin Thayer, Φ B E	1916	X	11 Central St., S.Weymouth, Mass.
McCart, Raymond Douglas	1914	II	26 Wendover St., Dorchester, Mass.
McCarthy, Charles Joseph	1916	I	1 Fulton St., Lawrence, Mass.
McClellan, James Lewis	1917	U.	83 Esmond St., Dorchester, Mass.
McClure, James Winn, Δ K E	1916	X U.	Paris, Ky.
McCullough, Percy	1914	VI	Weston, Mass.
McCurdy, Ainsley Carlyle	1915	VI U.	Sydney, N.S.
McDaniel, Irving Barry, Δ T Δ	1916	IV	1422 Courtland St., Los Angeles, Cal.
McDevitt, John Newman, B Θ II	1916	II U.	11 Warwick Ave., Edgewood, R.I.
McDonald, Harold Joseph	1917		31 Holyoke St., Cambridge, Mass.
McDonald, Kenneth Madison, B.S., Φ K Σ	1915	VI U.	2207 Highland Ave., Birmingham, Ala.
McDonald, Raymond Emmet	1917		13 Grant St., Natick, Mass.
McDonald, William Cantwell, Θ Ξ	1916	IV U.	44 Park St., Palmer, Mass.
McDougall, James Greenwood, Θ Ξ	1916	I	40 Highland Ave., Franklin, N.H.
MacDowell, John Spotts	1915	III U.	319 Park Ave., Clearfield, Pa.
McEnary, Dale Robert, Δ Φ	1914	IV	2324 Pleasant Ave., S., Minneapolis, Minn.
McEwen, William Robert, B Θ II	1915	II	Wellsville, N.Y.
McFarlin, Charles Kirk, A.B., Ψ T.	1914	I	170 Glenwood Ave., E. Orange, N.J.
McGrady, Leon Lempert, Σ X	1917		658 Hood St., Fall River, Mass.
McIntyre, James Dennett, B.S., B Θ II	1915	I U.	1841 Kalorama Rd., Washington, D.C.
Mack, Azel Washington	1915	X	7 Chauncey Pl., Jamaica Plain, Mass.
Mackay, George Lewis	1914	IV	Ocala, Fla.
McKague, Joseph Leslie, B.C.E., M.S.	1914	X Sp.	Millville, N.J.
Mackenzie, Clyde Cameron, Θ X	1915	X U.	68 Barnum St., Taunton, Mass.
MacKinnon, John Harold	1914	IV	606 Alaska Bldg., Seattle, Wash.
McLaughlin, John Francis, A.B.	1915	V U.	26 Amity St., Providence, R.I.
McLaughlin, Richard Joseph	1917		462 Audubon Rd., Boston, Mass.
McLellan, Herbert Sumner	1914	I U.	12 Abbot St., Dorchester, Mass.
MacLeod, Norman Douglass, Δ K E	1914	II	290 Irving Ave., Providence, R.I.
McManus, Joseph Delee	1917		75 Warren Ave., Marlboro, Mass.
McMenimen, Robert Aloysius	1914	X	1578 Cambridge St., Cambridge, Mass.
McMurtrie, Douglas Howard, A.B.	1915	X	36 Lawn Ave., Portland, Me.
McNeill, Prescott Whitney	1915	VII U.	392 Concord Ave., Belmont, Mass.
McNeill, Winfield Irving	1917		25 Lafayette St., Wakefield, Mass.
Maconi, Gaetano	1915	I	76 Clark St., Newton Centre, Mass.
McPherrin, William Lane, B.S., B Θ II	1914	II	1919 E. 11th St., Kansas City, Mo.
McQuaid, Howard Stafford	1917		16 Schofield Ave., Webster, Mass.
MacRae, Nelson, X Φ	1916	II	713 Market St., Wilmington, N.C.
McSweeney, Thomas Francis	1916	XI U.	1 Salem End Rd., Framingham, Mass.
Maeder, Raymond Aloysius	1917		Charles St., Holliston, Mass.
Magoon, Estus Hubert, B.S.	Grad.	XI	321 E. Centre St., Warsaw, Ind.
Maguire, Charles Augustine Paul, Θ X	1916	I U.	79 Andem St., Providence, R.I.
Maguire, James Francis, Jr.	1916	V U.	4 Intervale St., Roxbury, Mass.
Mahany, Walter Thompson	1917	U.	23 Boston Ave., W. Medford, Mass.
Maher, Philip Francis, Δ K Φ	1917		98 Centre St., Dorchester, Mass.
Mahlman, Osborne Le Baron	1916	XIV	Lubec, Me.
Mahoney, Frank Herbert	1914	V	112 Ocean St., Dorchester, Mass.

Name and Society	Class	Course	Home Address
Maier, Charles George	1914	XIV	54 Wendell St., Cambridge, Mass.
Mailey, Roy Davis, S.B.	Grad.	V	25 Hawthorne St., Lynn, Mass.
Makepeace, Charles Salisbury, $\Phi \Gamma \Delta$	1916	II	275 Wayland Ave., Providence, R.I.
Malcolm, Ralph Read	1915	I	328 Morton St., Stoughton, Mass.
Malone, Charles Booth, Jr., $X \Phi$	1915	VI	110 E. 35th St., Savannah, Ga.
Maloof, Fred Nejim	1917	U.	Mt. Lebanon, Syria.
Mann, Benjamin Stanley	1914	III U.	Norfolk, Mass.
Mann, Ernest Wilkins	1915	VI	85 Pierrepont St., Brooklyn, N.Y.
Mann, Howard Grover, $\Phi B E$	1916	II	193 Huntington Ave., Boston, Mass.
Manuelian, Hamazasb Der	1917		291 Central St., Lowell, Mass.
Mar, Teh Che	1915	XIIIb U.	Foochow, China
Marine, James Sidney, $A T \Omega$	1916	II U.	606 5th St., Brooklyn, N.Y.
Marion, Henry Leonard, $\Theta \Delta X$	1915	VI U.	Lowell St., Burlington, Mass.
Marquez, Alfonso Ezequiel	1917	II U.	Culebra, Porto Rico
Marquez, Miguel, Jr.	1916	I	207 Morelos St., Chihuahua, Mex.
Marsh, Harold Hormel	1916	VI U.	80 Prospect Ave., Winthrop, Mass.
Marsh, Leon Faulkner	1914	II	92 Pleasant St., S. Weymouth, Mass.
Marsilius, Newman Marius	1917		202 Bridge St., Beverly, Mass.
Martinez, John Miguel Ramon, A.B., $\Delta \Psi$	1916	V	25 W. 10th St., New York, N.Y.
Masferrer, Joaquin Ramirez	1915	II U.	San Juan, Porto Rico
Mason, Eric Wier, $\Delta K E$	1914	III	Pretoria, S. Africa
Mason, Karl Carson, $A T \Omega$	1914	VI	53 Leverett St., Keene, N.H.
Mason, Lovell Waldo, A.B., $B \Theta \Pi$	1915	V	Danbury, Conn.
Mason, Stephen Spalding	1917		42 Portland St., Keene, N.H.
Masucci, Peter	1915	VII	39 Vane St., Revere, Mass.
Matthews, Elmer Clark, $\Phi \Sigma K$	1917		Hudson, Mass.
Maverick, George Madison	1916	X	Sunshine Ranch, San Antonio, Tex.
Maxim, Myles Standish	1914	II	59 Boston St., Somerville, Mass.
Maxwell, Herbert Oulton	1915	III U.	147 Angell St., Providence, R.I.
May, John Elliott, B.S.	1914	I	Yalesville, Conn.
Maya, Elpidis deAguiar	1917		San Paulo, Brazil
Maya, Mario deAguiar	1917		San Paulo, Brazil
Mayer, Harold Alexander	1914	XIV	628 Everett St., Portland, Ore.
Mayo, Dana Harrat Nickerson	1914	II	Hamilton, Ohio
Mead, George Jackson, $X \Phi$	1916	II U.	27 Church St., Winchester, Mass.
Means, Alan Hay, S.B.	Grad.	XII	Chicago, Ill.
Means, Leland Munger, $\Sigma A E$	1916	II	1805 Fairfield Ave., Shreveport, La.
Medding, Walter Lyman, $\Phi \Sigma K$	1917		206 Ferry St., Malden, Mass.
Medhurst, Norman Leslie	1915	IV U.	2 Brimmer St., Boston, Mass.
Meigs, Joseph Vincent	1916	V	33 Clinton St., Malden, Mass.
Mellema, William	1916	IV	316 Huntington Ave., Boston, Mass.
Mellen, Earl Rufus	1916	VI	68 Humphrey St., Lowell, Mass.
Mendenhall, Fred Dunlap, $X \Phi$	1914	I	Lakeland, Fla.
Merrill, Edwin Ellison, B.S.	1915	IV	Portland, Ore.
Merrill, Henry Ferdinand, 2d, $A \Phi$	1914	XI	Manchester, Mass.
Merritt, James Charles	1916	VI	318 Houghton St., N. Adams, Mass.
Merry, Ralph Elwyn	1914	I	41 Dover St., Somerville, Mass.
Mertz, John Mercer	1917		1404 W. 3d St., Wilmington, Del.
Metz, Charles Walter	1915	II U.	Gore St., Waltham, Mass.
Miller, Arthur Merkel, $A \Delta \Phi$	1916	I	60 Shepard St., Rochester, N.Y.
Miller, August Henry	1914	II U.	819 Market St., Zanesville, Ohio

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Miller, Eralbert Talmadge, B.S., C.E., Σ X	1915	I	Columbus, Ga.
Miller, Harry Allen	1917		87 Elm St., Malone, N.Y.
Miller, Leo B., A.B.	1915	VI	Indianola, Ia.
Miller, Lorin George, B.S., Δ K Φ	1915	VI U.	Ankeny, Ia.
Milliken, Alfred Standish, Φ Σ K	1914	I U.	39 Sycamore St., New Bedford, Mass.
Millis, Ralph, Φ B E	1916	I	284 Thames St., Newport, R.I.
Mills, Ralph Harold	1916	VI	12 Byron Ave., Natick, Mass.
Minevitch, Joseph Rozart	1916	V U.	201 Merrimac St., Newburyport, Mass.
Miridjanian, Avedis Avedis	1917		Aintab, Turkey
Mitchell, Earle Alonzo	1914	VI	4 Main St., Hull, Mass.
Mitchell, Robert Watkeys	1915	V	53 Park St., Winthrop, Mass.
Monahan, Walter Howard	1915	VI U.	60 Crescent St., Quincy, Mass.
Moness, Eugene	1915	XIV	Libau, Russia
Monroe, Merrick Atherton	1916	XI	26 Adams St., Waltham, Mass.
Moody, Alvah Edgar, Θ Δ X	1917		Golden, Col.
Moody, Percy Winslow	1915	VI	50 Kenwood St., Brookline, Mass.
Moore, Daniel Martin	1915	I U.	9 Warren St., Taunton, Mass.
Moore, Earl M.	1916	IV U.	Wilburton, Okla.
Moorhouse, Robert Wharton, A T Ω	1914	X	2334 Bridge St., Bridesburg, Philadelphia, Pa.
Moreno, Jorge Isaac	1914	XI	Quito, Ecuador
Morgan, Charles Darwin, Jr.	1916	IV	824 S. Bonnie Brae St., Los Angeles, Cal.
Morrill, Philip Everett	1914	I	56 Fountain St., Haverhill, Mass.
Morrison, Alexander	1914	X	68 Elm St., Andover, Mass.
Morrison, Archie Stone, Φ Γ Δ	1915	II	131 Moraine St., Brockton, Mass.
Morrison, Howard Archbald, Φ Γ Δ	1914	II U.	131 Moraine St., Brockton, Mass.
Morrison, Phillip Garrison	1916	VI	68 Elm St., Andover, Mass.
Morse, Charles Lester	1915	I	Lancaster, N.H.
Morse, Harold Everett, Θ Σ	1916	VI U.	108 Essex St., Swampscott, Mass.
Morse, Henry Gardner	1916	II	80 Glendale St., Dorchester, Mass.
Morse, Herman Edward	1915	II	E. Bridgewater, Mass.
Morse, John Cable, Φ B E	1914	I U.	Fort Benjamin Harrison, Indianapolis, Ind.
Morton, Adelbert Robbins	1917	U.	79 Lonsdale St., Dorchester, Mass.
Morton, Arthur Hokan, LL.B.	1915	IV Sp.	Dundee, Minn.
Mott, Frank Earl, S.B.	1915	Sp.	41 Rosseter St., Dorchester, Mass.
Moulton, George Julian	1916	II U.	339 Upham St., Melrose, Mass.
Moxon, Harold Adam	1916	X U.	11 Green St., Cambridge, Mass.
Mudge, Arthur Warren, Jr., Δ K E	1915	V U.	194 Pond St., Jamaica Plain, Mass.
Mulliken, Robert Sanderson	1917		6 Harris St., Newburyport, Mass.
Mullin, John Lucius, Θ X	1917	VI U.	2115 E. Superior St., Duluth, Minn.
Mumford, Nicholas Van Slyck, A.B., A Δ Φ	1916	X	50 Humboldt Ave., Providence, R.I.
Munn, David Walter, M.A., M.Sc.	Grad.	II	862 Cadieux St., Montreal, Can.
Munn, Percy Judson	1915	I U.	95 Vernon St., Lowell, Mass.
Munyan, Arthur Tapley, Δ T	1915	X	69 Gooch St., Melrose, Mass.
Murdough, James Harold	1916	I	25 Windermere Rd., Dorchester, Mass.
Murphie, Harold Hubbard	1917	U.	42 Shepton St., Dorchester, Mass.
Murphy, Edward Eugene	1914	I U.	Hull, Mass.
Murphy, Francis Edwin	1915	VI U.	103 Pleasant St., Woburn, Mass.
Murphy, Harry Joseph	1915	I	239 Safford St., Wollaston, Mass.
Murphy, Robert Joseph, Φ Σ K	1914	VI U.	St. John's, Newfoundland
Muzzey, Clifford Loring	1914	VI U.	Lexington, Mass.

Name and Society	Class	Course	Home Address
Naumburg, Robert Elkan, B.A.	1915	II	88 Central Park West, New York, N.Y.
Neagle, Henry Benjamin, A.B., M.D. . .	1914	VII Sp.	33 Algonquin St., Dorchester, Mass.
Neal, James Benson	1915	X	102 Arnold St., Braintree, Mass.
Neilson, Halbert Hale, B.S., $\Delta K \Phi$. .	1915	VI U.	Lexington, Miss.
Neiman, Joseph	1916	X	27 Allen St., Boston, Mass.
Nelson, Arthur Lindsay, $\Delta T \Omega$	1915	VI	30 Mellen St., Ashmont, Mass.
Nelson, Francis Oscar	1916	III	77 Hancock St., Somerville, Mass.
Neumann, Elmer Herman	1915	IV	1054 Bergen St., Brooklyn, N.Y.
Newbury, John Parker, Jr.	1914	X	79 Farrington St., E. Boston, Mass.
Newbury, Warren Charles	1914	X	79 Farrington St., E. Boston, Mass.
Newell, Willard Bigelow	1917		803 Watertown St., W. Newton, Mass.
Newlin, Earl Mortimer, ΣX	1914	VI	1400 Harmon Pl., Minneapolis, Minn.
Newsom, Reeves Jose, B.S., ΣN . . .	Grad.	I	177 Lake View Ave., Cambridge, Mass.
Nibecker, Alfred Sanford, Jr.	1916	IV Sp.	1435 Valencia St., Los Angeles, Cal.
Nielsen, Otto Elias	1917		Helsingor, Denmark.
Niemann, Henry	1915	I	21 Chestnut St., W. Newton, Mass.
Nightingale, Harold Watson	1914	VII	740 Salem St., Malden, Mass.
Nixon, George Frederic	1915	IV	227 West St., Leominster, Mass.
Norberg, Elwin Paul	1915	IV U.	1211 Avoca Ave., Pasadena, Cal.
Norris, Olen Carter, $\Delta K \Phi$	1916	II U.	154 W. Bartlett St., Brockton, Mass.
North, Dexter, B.S., $\Delta \Delta \Phi$	1915	X U.	2852 Ontario Rd., Washington, D.C.
Norton, Charles Granderson, $\Delta X A$. .	1915	II	Vineyard Haven, Mass.
Norton, Oliver Gove, ΣX	1915	II	Kearney, Neb.
Noyes, Charles William	1915	VI	Box 63, Smithtown, N.H.
Noyes, Linwood Irving, $\Delta T \Delta$	1917	IV	644 Marinette Ave., Marinette, Wis.
Nute, Alden Davis	1917		914 Highland Ave., Fall River, Mass.
Nutter, Julian Plaisted	1917		189 Clifton Ct., Malden, Mass.
Nye, Alfred Francis, ΘX	1915	IV	84 Green St., Fairhaven, Mass.
Ober, Chester Howard, $\Phi \Sigma K$	1914	I	4 Whitehall St., Newport, R.I.
Ober, Shatswell	1916	XIII	22 Oakland Ave., Arlington Hts., Mass.
Oberg, Terry Royal	1917	U.	1347 E. 10th St., N., Portland, Ore.
O'Brien, James Sherry	1917	U.	78 Washington Ave., Winthrop, Mass.
O'Brien, John Henry	1916	II	123 Charles St., Boston, Mass.
O'Brien, Thomas Francis	1916	II U.	38 Mt. Vernon St., Dorchester, Mass.
Odiorne, Kenneth Wilson	1916	I U.	290 Salem St., Wakefield, Mass.
O'Donnell, Harold Francis	1917		3 Granite St., Taunton, Mass.
O'Donnell, Ottomar, B.S.	1915	III	1527 Race St., Denver, Col.
Ogden, William Lardner, A.B., $\Phi B E$.	1916	II	12 Lincoln Ave., Deadwood, S.D.
Ogrean, William	1917		14 St. James St., Providence, R.I.
O'Hara, Francis Patrick, $\Delta K E$	1917	U.	90 Revere St., Boston, Mass.
Olesen, Charles William	1914	II	23 Symonds St., Salem, Mass.
Omansky, Max Isaac	1914	XI	34 Auburn St., Boston, Mass.
Orth, William Alva, B.S.	1915	IV U.	Yoakum, Tex.
Ortin, Michael Theodor	1914	III Sp.	Oufa, Russia

Name and Society	Class	Course	Home Address
Osborn, Charles Marcus, 3d	1916	IV U.	2847 Meridian St., Indianapolis, Ind.
Ousler, George Walter	1916	VI	1709 Cambridge St., Cambridge, Mass.
Outterson, Charles Renwick	1916	X U.	338 Maple St., Holyoke, Mass.
Owen, Frederick Ernest	1917		28 Holt St., Waverley, Mass.
Owen, Knight Barry, Δ K E	1916	II	Vineyard Haven, Mass.
Owen, Paul Barry, Δ K E	1914	VI U.	Vineyard Haven, Mass.
Owler, Duncan Stewart	1916	VI	279 Bucklin St., Providence, R.I.
Page, Arthur Stickney, Θ X	1914	I	12 E. High St., Newburyport, Mass.
Page, Arvin	1916	II	103 Grand View Ave., Wollaston, Mass.
Paine, Charles Graham	1915	II U.	Dover, Mass.
Palmer, Guernsey Aaron	1915	II U.	Amenia, N.Y.
Palmer, Ralph Buel	1917		62 Burt St., Lowell, Mass.
Panettiere, Vincent	1916	II	116 Linwood St., Somerville, Mass.
Paris, Israel	1914	XIV	46 Dover St., Boston, Mass.
Paris, Maurice	1914	IV	49 Millett St., Dorchester, Mass.
Parker, Arthur Wentworth	1915	V U.	176 Mt. Vernon St., Malden, Mass.
Parker, Dean Huntington	1917		34 Collins Rd., Waban, Mass.
Parkinson, Simpson, Φ B E	1916	IV Sp.	505 St. James St., London, Ontario, Can.
Parsell, Roy Linwood	1914	II	159 Mt. Vernon St., Malden, Mass.
Parsons, Edmund Selinger	1916	II	28 Mawney St., Providence, R.I.
Parsons, Frank Enos, Δ X A	1916	II U.	367 Adams St., Dorchester, Mass.
Parsons, John Langdon	1917		Rye, N.H.
Parsons, Robert	1914	VII	106 Franklin St., Lynn, Mass.
Parsons, Theodore Dillaway	1915	II U.	106 Franklin St., Lynn, Mass.
Patch, Ernest Llewellyn, U.S.N.	1915	XIII A	28 Lincoln St., Stoneham, Mass.
Pattee, Elizabeth Greenleaf	1916	IV	19 School St., Quincy, Mass.
Patten, David Longfellow, Φ Γ Δ	1916	I U.	241 Chestnut Hill Ave., Brighton, Mass.
Patten, Ernest Leslie Osborne	1914	II	11 Holmes St., Malden, Mass.
Paul, Arthur Hiram, Jr.	1917		Wakefield, N.H.
Peacock, Frank Edward	1917	U.	623 N. Church St., Rockford, Ill.
Peakes, Gilbert Lawrence	1915	XIV	26 Endicott St., Lynn, Mass.
Pearson, Earle Fletcher	1916	VI	208 Morrison Ave., W. Somerville, Mass.
Pearson, Joseph Keighley	1917	U.	236 Farnham St., Lawrence, Mass.
Peaslee, Arthur Frank, Δ X P	1914	I	26 Shepard St., Cambridge, Mass.
Peatross, Richard Warner, Jr., Φ Δ Θ	1914	II	776 Main St., Danville, Va.
Peck, Edward Bates, Ph.B.	Grad.	V	Spencer, Mass.
Pedersen, Christian Marius, S.B.	Grad.	I	Denmark
Penn, Nicholas	1914	III Sp.	Tomsk, Siberia, Russia
Perin, Donald Wise, Φ K Σ	1915	VI	15 Hovey St., Newton, Mass.
Perkins, Louis Waite	1917		116 Waltham St., W. Newton, Mass.
Perley, George Kimball	1914	VI	Rowley, Mass.
Perry, Ralph Hamilton	1914	II	111 Porter St., Malden, Mass.
Peters, Percy Carleton	1917	XIV	517 Broadway, Everett, Mass.
Peterson, Oscar Rudolph	1917		18 Everett Rd., Dorchester, Mass.
Petit, George Hubert, Δ Φ	1916	IV U.	103 Park Ave., New York, N.Y.
Pettibone, Milton Wallace, Φ K Σ	1915	IV U.	194 Chicago Blvd., Detroit, Mich.
Petts, Arthur Fowler	1914	II	250 Massachusetts Ave., Boston, Mass.

Name and Society	Class	Course	Home Address
Phelan, Joseph Francis	1915	VII U.	5 De Wolfe St., Cambridge, Mass.
Phillips, John Mills, $\Theta \Xi$	1917	U.	6 Roanoke Ave., Jamaica Plain, Mass.
Pickering, Harold Bailey	1915	I U.	19 Maynard St., Springfield, Mass.
Pierce, Alfred	1917	U.	121 Union St., Attleboro, Mass.
Pike, Waldo Francis, $B \Theta \Pi$	1915	I	48 Fayette St., Cambridge, Mass.
Pinkham, Henry Palmer, $B \Theta \Pi$	1916	I U.	264 Newbury St., Boston, Mass.
Pinkham, Millard Bartlett	1915	I	172 Walnut Ave., Roxbury, Mass.
Pitz, Armin Louis	1914	XIII U.	Manitowoc, Wis.
Piza, St. Elmo Tower	1915	IV	161 W. 75th St., New York, N.Y.
Pizzorno, Pedro Paulo	1915	VI	Manaos, Brazil
Place, Everett Eugene, $\Theta \Delta X$	1915	VI	628 Main St., Woburn, Mass.
Platt, John Cheney, Jr., $\Delta \Psi$	1917	U.	Eagle Rock Way, Montclair, N.J.
Platt, Philip Skinner, M.A.	1914	VII Sp.	600 Webster Ave., Scranton, Pa.
Plummer, Charles Eric	1917		28 Central St., Georgetown, Mass.
Plummer, Mary Elsa	1915	V	65 Boyd St., Newton, Mass.
Pollard, Edward Vaughn	1917		9 Grover St., Lynn, Mass.
Pollard, Reginald Flint, $A X A$	1915	X U.	9 Grover St., Lynn, Mass.
Polley, Edgarton Goldthwaite	1917		37 Banks St., Waltham, Mass.
Polley, Ernest Edward, $\Delta T \Delta$	1916	VI U.	406 Garfield St., Fort Collins, Col.
Pond, Thomas Clifford	1915	X	149 Alpine St., Franklin, Mass.
Potash, Philip	1917	V	48 Billerica St., Boston, Mass.
Poteat, John Robinson, B.A.	1916	VI U.	Greenville, S.C.
Potter, Jesse	1915	I U.	9 Church Green, Concord, Mass.
Potter, John Church, B.S., E.E.	Grad.	VI	Wauwatosa, Wis.
Potter, Percy Osborne	1917		1 Allerton Pl., Marblehead, Mass.
Pouchain, René Augustin	1917		34 Pond St., Marblehead, Mass.
Powers, Harold Frederick	1917		17 Otto St., Campello, Mass.
Powers, John Joseph	1917	U.	South Groveland, Mass.
Pratt, Edwin Dana, B.S.	1915	I U.	176 N. Arlington Ave., E. Orange, N.J.
Pratt, Lewis Howe	1916	IV	75 High St., Brockton, Mass.
Pratt, Merrill Edward, B.S., $\Phi \Delta \Theta$	1915	II U.	Pratville, Ala.
Prentiss, John Herbert	1915	VI	206 Prospect St., Belmont, Mass.
Prescott, Lewis William, $\Phi \Sigma K$	1915	II	Takoma Park, D.C.
Price, William Henry, Jr., $\Delta T \Delta$	1914	X U.	3345 Monroe St., Chicago, Ill.
Proctor, Charles Dix	1917		571 Field Ave., Detroit, Mich.
Proctor, Edward Edson	1915	X	Randolph, Mass.
Proctor, Harold Eugene	1916	VI	1 Chester St., Watertown, Mass.
Proctor, Joseph Worthen	1917		2 Milk St., Salem, Mass.
Purinton, Forrest Granville, $\Phi B E$	1915	II U.	13 Madison Ave., Beverly, Mass.
Putnam, Charles Parsons	1915	II	107 Essex St., Cliftondale, Mass.
Pyle, Oden Bowie, Jr.	1916	I	712 W. 33d St., Baltimore, Md.
Quigley, John Francis	1917	VI	15 Wheatland Ave., Dorchester, Mass.
Quilhot, Harold J.	1917	U.	131 E. Main St., Johnstown, N.Y.
Quirk, Louis Francis	1915	I U.	641 Saratoga St., E. Boston, Mass.
Rabinovitz, Louis, S.B.	Grad.	V	99 Blossom St., Chelsea, Mass.
Ralston, James Muir, $\Phi \Sigma K$	1916	II U.	Allenhurst, N.J.
Ralton, Francis Arthur	1914	I U.	29 Chase St., Methuen, Mass.
Ramsay, De Witt Converse	1915	XIII U.	28 Pomfret St., W. Roxbury, Mass.
Ramsbottom, John Raymond	1917		554 Centre St., Fall River, Mass.
Ramsdell, Guy Harry, A.B.	1915	V U.	W. Lubeec, Me.

Name and Society	Class	Course	Home Address
Randolph, George Rolette	1916	XIV U.	2057 E. 88th St., Cleveland, Ohio
Rauber, Benjamin Thomas	1914	X	Wellsville, N.Y.
Rausch, William Warren	1917		599 High St., W. Medford, Mass.
Raymond, Edward Hayward	1917		69 Walnut Ave., Roxbury, Mass.
Raymond, Thomas Emmons	1916	II	84 Ellery St., Cambridge, Mass.
Reber, James Benneville, $\Phi \Gamma \Delta$	1914	II	Sinking Spring, Pa.
Reed, Charles Sumner, ΔT	1916	II	S. Weymouth, Mass.
Reed, Walter Vinal, $\Phi K \Sigma$	1916	XI	62 Torrey St., S. Weymouth, Mass.
Reid, Geoffrey Laurence	1916	II	111 Main St., N. Andover, Mass.
Rennie, Roswell Miller, $\Phi \Sigma K$	1916	II U.	300 E. 36th St., Los Angeles, Cal.
Repetti, George Williams, A.B., $\Phi \Sigma K$	1916	III U.	404 Seward Sq., Washington, D.C.
Reycroft, Arthur Greely	1916	III	18 Buena Vista Pk., Cambridge, Mass.
Reynolds, Edwin Drew	1916	VII U.	4 Warren St., Danvers, Mass.
Reynolds, George Bergen, S.B.	Grad.	X	142 Highland Ave., Somerville, Mass.
Reynolds, Ralph Waldo, B.S.	1915	VI U.	Mayfield, Ga.
Rhodes, Roy Wrigley	1915	VI U.	64 Chestnut St., Andover, Mass.
Rice, Marion	1914	X	Hotel Ansonia, New York, N.Y.
Richardson, Charles Edmund	1917	U.	Ticonderoga, N.Y.
Richardson, Chester Northup	1916	XIV	10 Ruthven Ter., E. Lynn, Mass.
Richardson, Frank Ensign	1917	VI	Sagamore Rd., Maplewood, N.J.
Richardson, Judson Cromwell, $\Theta \Delta X$	1917		80 Washington St., Leominster, Mass.
Richardson, Lyle Merton, $\Phi B E$	1914	I	Mars Hill, Me.
Richy, Thomas Beall, U.S.N.	Grad.	XIII A	303 Park Ave., Elyria, Ohio
Richmond, Harold Bours	1914	VI	12 George St., Medford, Mass.
Richmond, Isidor	1916	IV Sp.	17 Everard St., Beachmont, Mass.
Richmond, Kenneth Calvin, $A \Delta \Phi$	1916	II	114 Tremont St., Rochester, N.Y.
Ricker, Claire William	1914	VI	47 Electric Ave., W. Somerville, Mass.
Rivers, Walter Ben, $\Delta T \Delta$	1915	IV U.	148 N. Normandie Ave., Los Angeles, Cal.
Rizzo, Frank Salvatore	1917	U.	Albi-Catanzario, Italy
Roberts, Claudius Henry Martin, ΔT	1917	U.	The Cordova, Washington, D.C.
Roberts, George Whiting	1917		Haswell Pk., Middleton, Mass.
Robertson, John Douglas	1916	II	114 Winthrop St., Taunton, Mass.
Robertson, Stanley Stuart	1917		15 Lincoln St., Framingham, Mass.
Robinson, Lloyd Steele, ΘX	1915	IV U.	341 St. James Ave., Springfield, Mass.
Robinson, Wirt Russell, $\Delta \Psi$	1917		West Point, N.Y.
Rockett, Francis Haynes	1915	VI U.	North St., Hingham, Mass.
Roessler, Hans Friedrich Bernhard, $\Phi B E$,	1917		120 Huntington Ave., Boston, Mass.
Rogers, Allison Cross	1916	VII	Norwichtown, Conn.
Rogers, David Pearson, B.A., $\Phi B E$	1915	II	11 Lampport Ave., Toronto, Can.
Rogers, Frank Claxton	1917		617 Watertown Ave., Waterbury, Conn.
Rogers, Homer	1915	V	68 Cochituate St., Saxonville, Mass.
Rogers, Jesse Andrew, Jr.	1917	U.	36 Park St., Newton, Mass.
Rogers, Samuel Evan, 2d, $\Phi K \Sigma$	1914	II	504 N. 22d St., Omaha, Neb.
Rood, Carlos Stone, $\Delta T \Delta$	1917	U.	Jeanesville, Pa.
Rood, Stanley Hale, B.S., M.A.	1914	Sp.	53 Willard St., Hartford, Conn.
Rooney, George Thomas	1915	I U.	120 Warren Ave., Chelsea, Mass.
Rooney, William Joseph, A.B.	1915	VI U.	20 Pond St., Waltham, Mass.
Root, John Alden, ΣX	1914	IV	1744 Broadway, Denver, Col.
Root, Marshall Jewell, B.S.	1915	II	222 Sackett St., Providence, R.I.
Roper, George, Jr., $X \Phi$	1916	III	Steubenville, Ohio

Name and Society	Class	Course	Home Address
Rosenauer, Moses Bernard	1916	VI U.	100 Pearson Ave., Somerville, Mass.
Rosenberg, Benjamin Robert	1916	I	135 Walnut St., Chelsea, Mass.
Rosenberg, Louis Conrad	1914	IV Sp.	494 Kerby St., Portland, Ore.
Rosenthal, Charles Henry	1915	X	3666 Reading Rd., Avondale, Cincinnati, Ohio
Ross, Charles Everett	1917		86 Fayette St., Watertown, Mass.
Ross, Clyde Polhemus	1914	III	21 Crowninshield Rd., Brookline, Mass.
Ross, Frank Douglas	1916	IV	84 Whitmore St., Hartford, Conn.
Ross, Ralph Hersey, $\Delta \Phi$	1917		10 Church St., St. Johnsbury, Vt.
Russell, Henry Eastin, U.S.N.	1914	XIII A	Lenox Pl., New Brighton, N.Y.
Rounds, Edward Wadsworth	1917		504 S. Ainsworth Ave., Tacoma, Wash.
Rowe, Philip Nicholas	1917		41 Mt. Vernon St., Boston, Mass.
Rowlett, Richard Stewart, $\Delta T \Delta$	1916	II	1588 Beacon St., Brookline, Mass.
Roy, Kenneth Warren, ΔT	1915	II	Bretton Hall, New York, N.Y.
Rubin, Jesse Abraham	1916	I	71 Chestnut St., Chelsea, Mass.
Rudolf, Henry James Gray, $\Delta \Psi$	Grad.	I	1571 Beacon St., Brookline, Mass.
Runels, Chester Morrill, ΘX	1915	IV	321 Thorndike St., Lowell, Mass.
Russell, Gordon Wilson	1917		13 Allston St., Dorchester, Mass.
Russell, Harold	1916	II	12 Bodwell St., Dorchester, Mass.
Russell, Philip Alden, ΔT	1914	I	715 High St., Dedham, Mass.
Rutherford, Henry Goddard	1916	I U.	254 Thames St., Newport, R.I.
Ryan, Thomas William, Jr.	1917		365 Main St., Concord Jct., Mass.
Ryon, Tracy Rudolph	1915	VI	85 Riverview, Waltham, Mass.
Sabin, Henry Palmer, $\Delta T \Delta$	1915	IV	641 Marion St., Denver, Col.
Sada, Francisco Ge, Jr.	1917		Hidalgo 116, Monterey, Mex.
Sada, Javier G.	1914	III U.	Monterey, Mex.
St. Clair, Palmer, Jr., B.S.	Grad.	II	Saltville, Va.
Saladrigas, Gustavo A., B.S.	1916	I U.	13 No. 26 Vedado, Havana, Cuba
Salazar, Roberto Maximo	1917		San José, Costa Rica
Salisbury, Ralph Dewey, $\Delta K E$	1914	IV	7120 Lafayette Ave., Chicago, Ill.
Salomon, Leo	1914	I	4 Sargent's Ct., W. Lynn, Mass.
Salomonson, Maurice Wertheim, $\Delta X \Delta$.	1914	IV U.	23 Webster St., W. Newton, Mass.
Salt, Lloyd Bergen, $\Phi K \Sigma$	1917		463 West St., New York, N.Y.
Salzedo, C. Alexander	1917	U.	Colombia, S.A.
Sampson, Albert Edward	1915	V U.	Gorham, Me.
Sampson, Howard Collamore	1915	I U.	403 Main St., S. Hanson, Mass.
Sanborn, Lewis Parker	1917		62 Lincoln Ave., E. Saugus, Mass.
Sanchez, Federico Guillermo	1915	II U.	Santa Lucia, Oriente, Cuba
Sandburg, Carl Arthur	1915	VI	33 Kingsdale St., Dorchester, Mass.
Sandell, Harry Niles	1917		9 Grampian Way, Dorchester, Mass.
Santos, John Ricardo Long, $\Delta \Psi$	1915	II U.	18 W. Preston St., Baltimore, Md.
Sarafian, Haigh Henry	1917		41 Newbury St., Lawrence, Mass.
Sarris, Nicholas Styl	1916	I U.	Evretania, Greece
Sarti, Eduardo Emilio	1916	IV	San Felipe, Guatemala, C.A.
Sauer, Fred Eugene, Jr.	1914	I U.	10 Irving St., Everett, Mass.
Sawyer, Edison Francis	1917		167 Charles St., Boston, Mass.
Sawyer, Enos Clifford	1916	VI U.	7 Clinton St., Cambridge, Mass.
Sawyer, Frank Leslie, A.B.	1914	VII U.	207 W. Springfield St., Boston, Mass.
Sawyer, Howard Martin, Litt. B. . . .	1915	V U.	30 Wyman St., W. Medford, Mass.
Sawyer, Ralph Henry	1917		24 Clinton St., S. Framingham, Mass.

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Sayward, Malcolm Joseph	1914	II	8 Greenleaf St., Bradford, Mass.
Scannell, Philip Lawrence	1914	II	535 Westford St., Lowell, Mass.
Schabacker, Henry Eric, $\Delta K \Phi$	1916	XIV	550 W. 10th St., Erie, Pa.
Schallenbach, Albert Emerson	1914	II	57 Nixon St., Dorchester Centre, Mass.
Schaute, Werner Theodore, $\Delta \Psi$	1915	II U.	Düsseldorf, Germany
Schiess, Ulrich Christopher	1915	IV	463 McDonough St., Brooklyn, N.Y.
Schlaffhorst, Harold Anderson	1917		96 Ellery St., Cambridge, Mass.
Schmucker, Robert Antoine, $\Phi K \Sigma$	1915	III	Red Hook, N.Y.
Schneider, Solomon	1915	V	47 Bickford St., Roxbury, Mass.
Schoellkopf, Alfred Hugo, $\Delta K E$	1916	VI U.	92 Ashland Ave., Buffalo, N.Y.
Schoeppe, Edward, $\Delta K \Phi$	1915	IV U.	1036 N. 3d St., Philadelphia, Pa.
Schoonmaker, Lucas Elmendorf	1917		81 Hillside Ave., Orange, N.J.
Schroeder, Rolf Alwin	1917		53 Westbourne Ter., Brookline, Mass.
Schur, Milton Oscar	1916	X	5 Stillman St., Boston, Mass.
Schwartz, Benjamin	1915	X	146 Shirley Ave., Revere, Mass.
Scully, Francis Paul, $B \Theta \Pi$	1915	I	1802 Massachusetts Ave., Cambridge, Mass.
Sears, Leslie Ray	1916	I U.	E. Dennis, Mass.
Seetoo, Fucheng	1914	XIII	Kwangtung, China
Segal, Leo	1915	VI	11 Grove St., Boston, Mass.
Senter, Erasmus Gilbert, Jr.	1915	I U.	106 Gaston Bldg., Dallas, Tex.
Senter, Selden Williams	1917	II U.	112 W. 12th St., Dallas, Tex.
Sewall, Edward Dennis	1917		81 Dale St., Waltham, Mass.
Seymour, William Henry	1917		26 Athelwold St., Dorchester, Mass.
Shack, Thomas Julius, A.B., $Z B T$	1914	I	67 E. 78th St., New York, N.Y.
Shafran, Max Jacob	1914	V	4 Balfour St., Roxbury, Mass.
Shakespeare, William MacIntyre, ΔT	1916	XI	193 Central Ave., E. Orange, N.J.
Shand, Robert Gordon	1917		14 Mace Pl., Lynn, Mass.
Shaw, Charles, $\Phi \Sigma K$	1914	I	133 Sherman St., Springfield, Mass.
Shaw, Harold Duncan	1914	VI	84 Amherst St., Roslindale, Mass.
Shedd, Clifford Earnest	1916	II U.	74 Lakeview Ave., Haverhill, Mass.
Shedd, Gale Colburn, ΔT	1914	XIV	Keene, N.H.
Sheehan, Thomas William	1914	I U.	479 Pleasant St., Malden, Mass.
Sheils, Henry Connor	1915	I	101 Fenwood Rd., Roxbury, Mass.
Shepard, Arthur Pope, ΣX	1914	VI	Sharon, Mass.
Shepard, Henry Bradbury, $\Phi \Gamma \Delta$	1916	II	E. Derry, N.H.
Sherinian, William	1917	U.	1 Francis St., Worcester, Mass.
Sherman, Albert Case, Jr.	1914	IV	155 William St., New Bedford, Mass.
Sherman, Forrest Percival	1917		41 Bellevue Ave., Melrose, Mass.
Sherman, Robert Parker, $\Phi \Sigma K$	1915	XIII	Box 434, Manila, P.I.
Short, William Carleton, ΣX	1914	I U.	38 E. 85th St., Baltimore, M.D.
Shovelier, Cyril William	1917	U.	5 Fayette St., Watertown, Mass.
Sidman, Edward Abraham	1917		9 Bradshaw St., Dorchester, Mass.
Siegel, Samuel	1917		358 Warren St., Roxbury, Mass.
Sifton, Clifford Edward, $A T \Omega$	1915	VI	Hood River, Ore.
Silverman, Benjamin	1914	II U.	45 Fayette St., Cambridge, Mass.
Silversmith, Levi Francis	1916	I U.	11 Sea Foam Ave., Winthrop, Mass.
Simmons, Albert, $A T \Omega$	1916	IV U.	E. Royalty, P.E.I., Can.
Simons, George Washington, Jr., S.B.	1914	XI U.	Portland, Ore.
Simpson, Charles Francis, $\Sigma A E$	1917	IV U.	309 Fremont St., Waterloo, Ia.
Simpson, Stephen Gersham	1916	V	22 Elmore St., Roxbury, Mass.
Simpson, William Aaron	1914	X	66 Orange St., Waltham, Mass.
Sims, Walter	1917	U.	1020 Smithfield Ave., Saylesville, R.I.

Name and Society	Class	Course	Home Address
Sindler, Jacob	1916	X U.	1804 E. Baltimore St., Baltimore, Md.
Sinnicks, Frank Samuel, ΘX	1914	III	Manchester, Mass.
Skolfield, George Lincoln, Jr., A.B., $\Delta K E$	1915	I U.	153 Main St., Brunswick, Me.
Sloan, William James	1916	IV U.	16 Summer St., Westerly, R.I.
Small, Frank Sylvester	1916	III	149 Lexington St., E. Boston, Mass.
Small, Philip Lindsley, $\Delta T \Omega$	1915	IV	316 E. 4th St., Jamestown, N.Y.
Smart, George Hose, $\Theta \Delta X$	1916	I U.	28 Nelson St., Clinton, Mass.
Smilie, Harold Bertram	1916	IV Sp.	36 Maple Ave., Newton, Mass.
Smith, Carroll Cummings	1916	III U.	80 Summer St., Barre, Vt.
Smith, Clarence Lester	1915	VI U.	97 Munroe St., Roxbury, Mass.
Smith, Harry Bennett, $\Delta K \Phi$	1916	XIV	43 Curtis St., W. Somerville, Mass.
Smith, Henry Chawner	1914	IV	214 S. Spring St., Independence, Mo.
Smith, Howard Merrick, Jr.	1916	XIII	Lakewood, R.I.
Smith, Merrill Jefferson	1914	VI U.	Cassadaga, N.Y.
Smith, Raymond Slack, $\Delta X A$	1917	U.	97 W. Main St., Freehold, N.J.
Smith, Stanley Armstrong	1914	IV	81 Pearl St., Somerville, Mass.
Smith, William Henry	1915	I	62 Church St., Dedham, Mass.
Smyth, Frederic Hastings, A.B., $\Sigma \Phi$	Grad.	V	16 Browne St., Brookline, Mass.
Smythe-Martin, Rosslyn, $\Delta K E$	1914	II U.	215 Newbury St., Boston, Mass.
Snow, Leslie Whitmore, A.B., $\Theta \Delta X$	1914	I	Rochester, N.H.
Snow, Welton Ames, $\Theta \Xi$	1914	II	19 Gage St., Needham, Mass.
Snyder, Elwyn Edward, Jr.	1914	X	21 Newtonville Ave., Newton, Mass.
Snyder, Ralph Moser	1916	II U.	Galilee, Pa.
Solakian, Haig Nerses, A.B.	1917	U.	602 Tremont St., Boston, Mass.
Soto, Santos	1917	III	Tegucigalpa, Honduras
Souto, Luiz Vieira	1917		Rio de Janeiro, Brazil
Spalding, James Rich	1917	Sp.	Alexander Young Hotel, Honolulu, T.H.
Spaulding, Archibald Harris	1914	X	S. Hingham, Mass.
Spaulding, Sumner Maurice, $\Phi K \Sigma$	1915	IV U.	Ionia, Mich.
Spear, Carlton Jernegan, ΔT	1916	I	Edgartown, Mass.
Spear, George Dana	1917	U.	32 Common St., Walpole, Mass.
Spear, Theodore Franklin, $\Delta T \Omega$	1915	X	15 Haviland St., Boston, Mass.
Spencer, Edmond, $\Theta \Delta X$	1917	U.	68 Westland Ave., Boston, Mass.
Spencer, William Benjamin	1915	IV	552 Main St., Medford, Mass.
Spengler, Ralph Allen	1916	VI U.	Gates Mills, Ohio
Spitz, Seymour James	1914	X	50 Thorndike St., Brookline, Mass.
Sprague, William Griffith, B Θ II	1915	IV U.	30 Kirby Ave., Detroit, Mich.
Springfield, Carl Kimball, A.B.	1914	I	Summer St., Rochester, N.H.
Stafford, John Wesley, ΔT	1916	II	385 Prospect Ave., Hackensack, N.J.
Stagg, Joseph Henry, Jr., $\Delta T \Delta$	1917		151 West Ave., Bridgeport, Conn.
Stahl, Theodore Erasmus	1917		67 Highland Ave., Naugatuck, Conn.
Staples, Elden Ivan	1914	VI	38 Central St., Wakefield, Mass.
Stason, Edwin Blythe, B.A.	1917	VI	1616 Jackson St., Sioux City, Ia.
Staub, John Fanz, B.S., $\Sigma A E$	1916	IV	850 Temple Ave., Knoxville, Tenn.
Stearns, Albert Thomas, 2d, A.B.	1914	V	59 Beaumont St., Dorchester, Mass.
Stearns, Edmund Rand	1915	I	15 Franklin St., Derry, N.H.
Stearns, Frederick Arlington	1917		143 Rowe St., Melrose, Mass.
Stebbins, George Hobart	1917		28 Barnaby St., Fall River, Mass.

Name and Society	Class	Course	Home Address
Steere, John Averill, B Θ Π	1916	I U.	Manila, P.I.
Stelle, Edward Hopkinson	1915	I U.	33 Cambridge Pl., Brooklyn, N.Y.
Stern, Francis Edward, Z B T	1916	VI U.	Paris, France
Stetson, Bradford, B Θ Π	1916	I U.	23 Dakota St., Dorchester, Mass.
Stetson, Frederick Walter	1915	X	13 Browning Rd., Somerville, Mass.
Stevens, George Radcliffe	1917		145 Winthrop Rd., Brookline, Mass.
Stevens, George Shepard	1914	VI	32 Parker St., Chelsea, Mass.
Stevens, Louis Waldo, Φ Σ K	1916	II U.	32 Pleasant St., Marlboro, Mass.
Stevens, Norman Ferdinand	1917	U.	109 Holland St., Lewiston, Me.
Stevens, Raymond Sawtell, Δ K Φ	1917		38 Bowers St., Nashua, N.H.
Stewart, Alan Edgeworth, B.A., M.S.	1914	X Sp.	136 Bedford Rd., Toronto, Can.
Stewart, Arthur Knowles	1916	II	1 Blackstone St., Lonsdale, R.I.
Stewart, Howard Raitt	1916	II	75 Lancaster St., Worcester, Mass.
Stewart, Gordon Urquhart	1914	VI	147 Kilton St., Dorchester, Mass.
Stewart, Horace Gentry, Θ Δ X	1914	VII U.	18 N. Roslyn, Clifton, Cincinnati, Ohio
Stewart, Vernon Theodore, Ph.B.	1915	X U.	Silver Creek, N.Y.
Stewart, Walter Scott	1916	II	1 Blackstone St., Lonsdale, R.I.
Stimets, Bruce Negus, A.B.	1915	II U.	33 Clifford Ave., Jersey City, N.J.
Stivers, Andrew Jackson	1915	VI U.	Ripley, Ohio
Stocking, Harvey Chase	1916	IV	93 Madison St., Brooklyn, N.Y.
Stockmann, Erling Brynjulf, Φ K Σ	1917	I	78 Westland Ave., Boston, Mass.
Stone, Howard Lyons, Δ T Δ	1914	I	400 Ogden St., Bridgeport, Conn.
Stone, Hugh Chaffee	1917	U.	26 Grosvenor Rd., Jamaica Plain, Mass.
Stone, Leonard	1916	II	30 Summit Rd., Medford, Mass.
Stone, Nelson, B.S.	1915	I	Wareham, Mass.
Storke, Harold Grey, Ψ T	1916	II U.	115 S. Seward Ave., Auburn, N.Y.
Storm, Allston Everett, Σ A E	1916	X U.	147 W. 77th St., New York, N.Y.
Story, Jacob	1917	XIII	Essex, Mass.
Stowell, Raymond Miles	1916	IV U.	Common St., Walpole, Mass.
Strahlmann, Otto Edward	1914	II U.	4th & D Sts., San Diego, Cal.
Strangman, Warren Andrews	1916	II	29 Mellen St., Dorchester, Mass.
Stringfield, Raymond Beverly, A.B., K Ψ T	1915	X	1111 Santee St., Los Angeles, Cal.
Strong, Walter Burroughs, Φ Σ K	1917		Goshen, N.Y.
Strout, Henry Elmer, Jr.	1917		11 Westerly St., Roxbury, Mass.
Stuart, Wallis E., Jr.	1917		363 Washington St., Cambridge, Mass.
Stubbs, Arthur Rollin, Φ B E	1915	XI	12 Lincoln St., Rockland, Me.
Stump, Dwight Johnson, Δ T Δ	1915	II U.	5336 Cornell Ave., Chicago, Ill.
Sturtevant, Arnold Parker, A.B.	1914	VII Sp.	13 Merrick St., Worcester, Mass.
Sullivan, Alan Porter	1917		Terryville, Conn.
Sullivan, William Aloysius	1917		160 S. Broadway, Lawrence, Mass.
Sully, Kenneth Murchison, Σ X	1916	III	Santa Rita, N.M.
Surls, Frank Livingood, A.B., Δ T Δ	1914	V U.	71 Babcock St., Brookline, Mass.
Sutermeister, Frederick	1916	II	285 Belmont St., Wollaston, Mass.
Sutherland, David Lee, X Ψ	1914	II U.	1819 Dupont Ave., S., Minneapolis, Minn.
Swain, Donald Newman	1917	U.	95 Mt. Vernon St., W. Roxbury, Mass.
Swan, LeRoy Amos, Σ A E	1917		71 Maple St., Norwich, Conn.
Sweet, George Albert, Θ Σ	1916	X	59 School St., Milford, Mass.
Sweet, Herbert Alfred, A T Ω	1914	I U.	31 Bedford St., Bridgewater, Mass.
Swift, Angus Van Ausdol, Σ X	1914	I	Falmouth, Mass.
Swift, Herbert Dyer, Φ Σ K	1915	II	760 Jefferson Ave., Detroit, Mich.
Sylvander, Roy Cornelius	1917		277 Winthrop St., Taunton, Mass.
Sze, Ying Tse-yu	1914	XIII	Shanghai, China

Name and Society	Class	Course	Home Address
Tabbutt, Arthur Millard	1916	IV Sp.	Bar Harbor, Me.
Tai, Shiu Tao	1915	II U.	Hunan, China
Tallman, Vernon Myles Francis	1914	VI	6 Calvert St., Newport, R.I.
Tallman, William	1915	IV Sp.	92 Green St., Fairhaven, Mass.
Tarpley, Donald Greene, $\Delta K E$	1917		Portland, Ore.
Taylor, Edward Curtis, $\Phi B E$	1914	XI	25 Federal St., Springfield, Mass.
Taylor, Paul Huse, $\Phi K \Sigma$	1915	II U.	36 Crescent St., Wakefield, Mass.
Taylor, Seymour Howell, $B \Theta II$	1914	IV U.	Adrian, Mich.
Teeson, Erzell Arthur	1915	II	18 Crowell St., Lowell, Mass.
Thom, George Watt	1917	U.	558 College Ave., Appleton, Wis.
Thomas, Henry von Phal	1916	X U.	Kirkwood, Mo.
Thomas, Howard Cushing	1915	I	200 Washington St., Wellesley Hills, Mass.
Thomas, Paul Baker	1916	VI U.	Keedysville, Md.
Thomas, Wallace Senteny, $\Delta K E$	1915	II	721 E. High St., Springfield, Ohio
Thompson, Charles Francis	1914	III	53 Clarkwood St., Mattapan, Mass.
Thompson, Dwight Parrott,	1917		2 Black Horse Ter., Winchester, Mass.
Thompson, Howard Sherwood, Jr.	1917	U.	9 Milton Sq., Hyde Park, Mass.
Thompson, Norman Julien	1916	XIV	204 Larch Rd., Cambridge, Mass.
Thomson, Gerald Whaley	1916	I U.	85 Redington St., Swampscott, Mass.
Thomson, Malcolm, A.B.	1915	II U.	22 Monument Ave., Swampscott, Mass.
Thornton, Irving Taylor, A.B., M.A.	1914	X Sp.	231 Norwood Ave., Buffalo, N.Y.
Thrasher, William Erland, ΘX	1916	XI U.	5 Ainsworth St., Roslindale, Mass.
Thyberg, Albert Samuel	1917		30 Longfellow Ter., Springfield, Mass.
Tierney, Harold Joseph	1917		42 Round Hill St., Jamaica Plain, Mass.
Tiffany, Ralph Vosburg, ΘX	1915	XI	Winsted, Conn.
Tilt, Jennie, B.S., M.S.	1915	V Sp.	W. Lafayette, Ind.
Tirrell, Walter Gladstone	1914	I U.	South Chatham, Mass.
Tisdale, Ellis Spence, $\Delta X A$	1915	XI	May St., Needham, Mass.
Toabe, Kebe	1915	V	128 Myrtle St., Lawrence, Mass.
Tobey, James Alner, ΘX	1915	XI U.	144 Blue Hill Ave., Roxbury, Mass.
Todt, Arthur Lovejoy	1914	XIII	40 W. Cayuga St., Oswego, N.Y.
Tolman, Samuel Leland	1915	XI U.	Hanover, Mass.
Tomlinson, L. C., E.E., M.S.	Grad.	VI	Glencoe, Minn.
Tonry, Albert Joseph	1917	U.	146 Lincoln St., Winthrop, Mass.
Tourtellotte, Neal Everett, $B \Theta II$	1917	U.	Boisé, Ida.
Townend, Robert Vose, $\Theta \Xi$	1914	X	111 Ross St., Fitchburg, Mass.
Townshend, Bailey, $\Phi K \Sigma$	1916	VIII	45 W. 35th St., New York, N.Y.
Toye, Kenneth Bertrum	1917		222 Hamilton St., Cambridge, Mass.
Travis, Lawrence LeValley	1914	VI U.	3831 Wilcox Ave., Chicago, Ill.
Treat, Howard Wolcott, A.B., $\Delta K \Phi$	1914	II	3708 Hawthorne Ave., Omaha, Neb.
Trombla, Daniel Courtright	1917		19 Congress St., Amesbury, Mass.
Trufant, Russell Alden	1915	I	39 Hayden Ave., Whitman, Mass.
Tseng, Chou Chuan	1915	VI	Hunan, China
Turner, Earle Oliver	1914	I	Harvard, Mass.
Turrell, Herbert Newton, Jr.	1915	VI	456 Jean St., Oakland, Cal.
Tutein, Dexter Arthur	1917		33 Lloyd St., Winchester, Mass.
Tuttle, Albert Edward	1917	U.	350 Esplanade, Cambridge, Mass.
Tuttle, George Woodbury	1916	II	20 Court St., Exeter, N.H.

Name and Society	Class	Course	Home Address
Tuttle, William Fletcher	1917		11 Pelham Ter., Arlington, Mass.
Twomey, Edward Francis	1917	U.	66 Rockaway St., Lynn, Mass.
Tyler, Bernard Otto	1916	II U.	16 North St., Manchester, Mass.
Uhlinger, James Philip, $\Phi K \Sigma$	1916	IV	85 E. Main St., Johnstown, N.Y.
Ullian, Hyman Benjamin	1916	I	35 Creston St., Dorchester, Mass.
Upham, Edwin Osgood, $\Phi \Sigma K$	1914	XIV	124 Cross St., Keene, N.H.
Upton, Frederick Pattangall	1915	VIII	3516 10th St., N.W., Washington, D.C.
Urquhart, George Robert, $\Sigma A E$	1915	X	38 Walden St., Concord, Mass.
Valentic, Edward Irwin	1917	U.	35 St. Botolph St., Boston, Mass.
Van, Yung Tsun	1914	Sp.	Shanghai, China
Van Etten, Frederick Joseph	1914	I	53 Mapleton St., Brighton, Mass.
Venable, Charles Scott, A.B., M.A., $\Delta K E$		V Sp.	Chapel Hill, N.C.
Vignal, Paul Gautier, B.S.	1915	II U.	Nice, France
Vile, Norman Judd	1916	II	63 Griswold St., Meriden, Conn.
Vogel, Fred John	1915		339 Summer St., Somerville, Mass.
Von Rosenberg, Herbert John, B.S.	1915	IV Sp.	Hallettsville, Tex.
Vose, Lewis Scott	1916	II	12 Castle Rock St., Dorchester, Mass.
Waite, David Everett, $\Theta \Xi$	1917		316 Bloomingdale Rd., Worcester, Mass.
Waitt, Alden Harry, $B \Theta \Pi$	1915	V U.	33 Ashland St., Medford, Mass.
Walcott, Raymond Hamilton, $A X A$	1915	X U.	665 Main St., Clinton, Mass.
Waldron, Edward Ferdinand	1916	X U.	Dighton, Mass.
Walker, Edward Cyrus, 3d, A.B., $X \Psi$	1915	XIV U.	220 E. Main St., Batavia, N.Y.
Wallis, Charles Parker, $\Delta K E$	1916	IV U.	346 Fourth Ave., New York, N.Y.
Wallis, James Erastus, Jr.	1917		11 Bigelow St., Cambridge, Mass.
Walsh, Gerard Roland	1915	I U.	1210 S. 5th St., Tacoma, Wash.
Walsh, Leo Francis	1914	I	5 Woodville St., Roxbury, Mass.
Walter, Albert Ulman	1915	II	2801 N. Charles St., Baltimore, Md.
Walter, Ray Babb, $\Delta T \Delta$	1916	I	Selinsgrove, Pa.
Walton, Clifford Johnson	1914	VI	Palmyra, N.Y.
Wang, Chou	1915	XIII U.	Nanking, China
Wansker, Harry Abe	1917	VI	243 Church St., Newton, Mass.
Ward, Charles Johnson, B.S.	1915	I	77 N. 5th St., Newark, Ohio
Ward, Eugene Valentine	1916	IV Sp.	New York, N.Y.
Wardle, Andrew Nelson	1915	XI	80 Oakdale Ave., E. Dedham, Mass.
Wardwell, Virgil Emery, $\Phi \Sigma K$	1916	I U.	Highland Rd., Stamford, Conn.
Ware, Richard Pattin, $\Phi B E$	1917		1412 Beacon St., Brookline, Mass.
Wareham, Charles Montgomery	1915	XI	41 Thomas Rd., Swampscott, Mass.
Warfield, George Harold, ΘX	1915	I	127 Carrington Ave., Woonsocket, R.I.
Warren, Harold	1915	II U.	11 Outlook Rd., Swampscott, Mass.
Warren, Robert Atherton	1915	VI	22 Weston St., Waltham, Mass.
Warren, William Henry, $\Sigma A E$	1914	II	39 Hurlbut St., Cambridge, Mass.
Warshaw, Nathaniel	1916	II	11 Bedford St., Quincy, Mass.
Wasgatt, Helen Stuart	1916	IV U.	180 Hancock St., Everett, Mass.

Name and Society	Class	Course	Home Address
Waterhouse, Hiram Yeaton	1915	V Sp.	428 Hanover St., Portsmouth, N.H.
Waterman, Ralph Douglas, Σ A E . . .	1915	IV	1666 Race St., Denver, Col.
Waters, Frederic Elmer	1915	II	91 North St., Salem, Mass.
Watson, Philip Bickford	1917		103 Floral St., Newton Highlands, Mass.
Watson, Will Paul, B.S.	1915	I U.	1226 E. 7th St., Oklahoma City, Okla.
Weaver, Eastman Atkins, Φ Γ Δ . . .	1915	VI, XIV	331 28th St., Des Moines, Ia.
Weaver, Ernest Jesse	1915	II U.	34 Winthrop St., W. Newton, Mass.
Weaver, Raymond Russell, B.S. . . .	1915	VI U.	Zanesville, Ohio
Webber, Leon Hubert	1914	VI	71 School St., N. Brookfield, Mass.
Webber, Lyle Kerr, Θ Δ X	1914	II	147 Victoria Ave., S., Hamilton, Ont.
Webber, Porter Clifton	1916	XI	171 Main St., Milford, Mass.
Webster, Donald Blake, Φ B E . . .	1916	X	18 Clarendon St., Malden, Mass.
Webster, Walter Wynne, U.S.N. . . .	1915	XIII A	1123 3d Ave., S., Fargo, N.D.
Weeks, Robert Walcott, Δ T	Grad.	VI	3461 Lowell St., Washington, D.C.
Weis, Paul	1915	II U.	928 W. 4th St., Williamsport, Pa.
Weisberg, Louis, B.A.	Grad.	V	2716 S. Ervay St., Dallas, Tex.
Weissbach, Edward Adolf	1916	II	Cincinnati, Ohio
Welch, John Berchman, A T Ω	1914	X	214 Washington St., Winchester, Mass.
Wellcome, Hubert Eugene	1917		11 Charles St., Waltham, Mass.
Welles, Robert, A.B., X Ψ	1915	VI	92 Ave. Henry Martin, Paris, France
Wellington, Marshall Symmes	1916	XI	150 Highland Ave., Winchester, Mass.
Wells, Arthur Kendrick	1916	II U.	Wellesley Farms, Mass.
Wells, Benjamin Slocum	1917		86 Savin Hill Ave., Dorchester, Mass.
Wells, Burling Dinant	1917	U.	19 Grandview Ave., Danbury, Conn.
Wells, Howard Hawley, Δ K E	1916	IV U.	156 Westmoreland Pl., Los Angeles, Cal.
Wells, Ralph Evans, Jr., Δ K E	1914	III	156 Westmoreland Pl., Los Angeles, Cal.
Wente, Edward Christopher, A.B. . . .	1914	VI	Westgate, Ia.
Werlich, Percival McCeney, Φ B E . .	1915	X U.	Washington, D.C.
Wesson, Harry Burbank, Δ Ψ	1917	II U.	111 S. Mountain Ave., Montclair, N.J.
Westbrook, Leon Russell	1917		41 Eleventh Ave., Haverhill, Mass.
Westcott, Ernest Waters, B.S. . . .	Grad.	V	4 Maple Pl., Jamaica Plain, Mass.
Wettlaufer, Julius Louis, X Φ	1917	U.	79th St. & West End Ave., New York, N.Y.
Weyerbacher, Ralph Downs, U.S.N. .	Grad.	XIII A	Boonville, Ind.
Whearty, Frank Stevens	1914	IV Sp.	335 Lafayette St., Salem, Mass.
Wheatley, Russell Holbrook	1917		174 Adams St., N. Abington, Mass.
Wheeler, Alden Dodge, Jr., A Δ Φ . . .	1915	II	50 Grafton St., Newton Centre, Mass.
Whitaker, John Cecil, Θ X	1916	II U.	4735 Leiper St., Frankford, Philadelphia, Pa.
Whitall, Charles Whitmore, A.B. . . .	1915	VI	71 Larch Rd., Cambridge, Mass.
Whitcomb, Herbert Hartwell, Φ Σ K .	1915	II	Littleton, Mass.
White, Donald Heald, A.B., Δ K E . .	1915	X U.	Waterville, Me.
White, Gordon Winthrop, Δ T Δ . . .	1915	II U.	39 Washington St., Hartford, Conn.
White, Harold Eaton	1916	II	150 High St., Reading, Mass.

Name and Society	Class	Course	Home Address
White, James Mayne, $\Delta \Phi$	1914	VI	970 Park Ave., New York, N.Y.
White, Nathaniel Pendleton, $\Phi K \Sigma$	1915	I U.	Hotel Ericson, Commonwealth Ave., Boston, Mass.
White, Russell Hubbard, $\Delta T \Delta$	1916	I	143 Newbury St., Boston, Mass.
Whitehead, Walter Lucius, B.S., $\Phi K \Sigma$ Grad.		III	57 Dana St., Cambridge, Mass.
Whiting, Edmund Alden, $\Phi \Gamma \Delta$	1915	II	76 Gates Ave., Montclair, N.J.
Whiting, Harold William	1916	XI U.	Millis, Mass.
Whitman, Percy Greene, $\Phi \Gamma \Delta$	1914	III	12 Dartmouth St., Winter Hill, Mass.
Whitman, Walter Gordon	1917		364 Winthrop St., Winthrop, Mass.
Whitman, Warren Clifford, A.B., ΘX	1915	VII U.	62 Chapel St., Abington, Mass.
Whitney, Harold Osgood, $\Delta T \Delta$	1917		249 Main St., Watertown, Mass.
Whitney, Richard Thompson, $\Phi \Gamma \Delta$	1917		14 Radcliffe Rd., Allston, Mass.
Whittemore, Harry Edward	1916	VI U.	Seward, Alaska
Whitten, Francis, Jr., $\Phi \Gamma \Delta$	1914	IV	56 Hawthorne St., Malden, Mass.
Whitwell, George Edward, $X \Phi$	1915	XIV	1718 Corcoran St., Washington, D.C.
Wilkins, Charles Howard, ΘX	1914	II	62 Page Rd., Newtonville, Mass.
Wilkins, Harold Sutherland, $\Theta \Delta X$	1914	XIV	98 Central St., Somerville, Mass.
Willetts, William Roberts, Jr., ΔT	1916	II	210 Prospect St., Waterbury, Conn.
Williams, Allison Ridley	1915	VI	1607 16th St., N.W., Washington, D.C.
Williams, Charles Wyatt, $\Theta \Delta X$	1915	I U.	60 E. Second St., Corning, N.Y.
Williams, Everett Lane	1914	IV Sp.	52 Clemons St., S. Portland, Me.
Williams, Fay Woodburn, $\Theta \Delta X$	1914	XI	83 Magnolia Ter., Springfield, Mass.
Williams, Lester Albert	1917		34 Bickerstaff St., Boston, Mass.
Williams, Roger	1914	V	Gothenburg, Neb.
Willis, Sanford Lawton	1915	III	220 Hamilton St., Dorchester, Mass.
Wilson, Gardiner Cushing	1915	XIV	132 Middle St., Braintree, Mass.
Wilson, LeRoy Waring, B.S., $\Delta \Phi$	1916	IV	Allendale, S.C.
Wilson, Louis Alexander	1914	XIV	36 Harbor View St., Dorchester, Mass.
Windle, Arthur Elmer	1916	II	984 N. Main St., Brockton, Mass.
Winton, Clifford Dillaway, $X \Phi$	1917		46 Cliff Rd., Wellesley Hills, Mass.
Wiseman, Robert Cummings, $\Delta \Delta \Phi$	1914	IV U.	817 S. Limestone St., Springfield, Ohio
Wiseman, Robert Joseph, S.B.	Grad.	VI	244 Massachusetts Ave., Arlington, Mass.
Witherspoon, Andrew Carothers	1915	I U.	Chambersburg, Pa.
Wolfe, Christian Frederick	1915	I	525 58th St., Brooklyn, N.Y.
Wolfe, Walter John	1916	XIV	7 Crystal St., Greenwood, Mass.
Wolff, Philip, A.B.	1915	IV U.	300 Hammond St., Chestnut Hill, Mass.
Wolk, Moses	1916	VI	560 Cross St., Malden, Mass.
Wood, Carl Wilbur, $\Delta T \Omega$	1916	I U.	39 Greenleaf St., Malden, Mass.
Wood, Ellery Channing, $\Delta \Psi$	1916	II U.	38 Somerset Rd., W. Newton, Mass.
Wood, Hamilton Lansdowne	1917		2520 Durant Ave., Berkeley, Cal.
Wood, Herbert Binns	1914	VI, II	289 Jackson St., Lawrence, Mass.
Wood, John Elliott, A.B., A.M.	1914	IV	Elizabeth City, N.C.
Wood, Walter Albert, $\Sigma \Delta E$	1917		11 Lowell Rd., Concord, Mass.
Wood, Walter Cromwell, $\Sigma \Delta E$	1917		121 Albert Ave., Edgewood, R.I.
Woodbridge, Donald Eliot	1916	VI	Germantown, Pa.
Woods, John Edgar	1916	XIV	22 Howes St., Dorchester, Mass.

Name and Society	Class	Course	Home Address
Woodward, Paul Gilbert, B Θ Π	1917	U.	1766 Lanier Pl., N.W., Washington, D.C.
Woodward, Roland, Jr.	1914	II	Jacksonville, Fla.
Woodworth, Harold	1917		14 Castle Rock St., Dorchester, Mass.
Woolley, Charles Hildreth, Θ Ξ	1917	XI	80 White St., E. Boston, Mass.
Woolley, George Thompson, Jr., A T Ω ,	1915	II U.	Salina, Kan.
Worsley, Harold Rollin	1914	I	San Mateo, Cal.
Worthington, Harold, A.B., B Θ Π	1915	VI	29 E. 77th St., New York, N.Y.
Wostrel, John Frank	1915	VI U.	Willington, Conn.
Wright, Leon Stuart	1916	XIII U.	401 Beechwood Ave., Muncie, Ind.
Wu, Hsien	1916	V	Foochow, China
Wu, Yu Lin, S.B.	Grad.	VI	Foochow, China
Wyatt, John Gallaway	1916	II U.	Henrietta, Tex.
Wylde, Harry Morley	1914	X	19 Orchard Ter., N. Adams, Mass.
Wylde, Wilfred Arthur	1916	X	19 Orchard Ter., N. Adams, Mass.
Wyman, George Whitcomb	1916	VI	35 Dustin St., Brighton, Mass.
Wyman, Louis Ernst, Φ B E	1917		Pittsfield, Mass.
Yeh, Fong Teh	1914	XIII	Foochow, China
Ying, Yuen Tze	1914	II	Luchowfoo, China
Young, Irving Walker, Jr., Θ Δ X	1917		1008 Harrison St., La Porte, Ind.
Young, Louis Henry	1915	II	356 Auburndale Ave., Auburndale, Mass.
Yuan, Tsong-Kyien	1914	VI	Hangchow, China
Yudowitch, Harry	1917	U.	55 Portland St., Hartford, Conn.
Yuen, Tsin	1915	XIII U.	Nanking, China
Zecha, Rudolph Ferdinand	1914	VI	409 Crescent Ave., Chelsea, Mass.
Zepfler, Louis Harrington	1915	V	115 Fair Oaks Park, Needham, Mass.
Zhen, Min-Shou	1914	II	Shanghai, China
Zimmele, George Bernard, B.S.	Grad.	VII	9 Windsor Ter., Yonkers, N.Y.
Zinderstein, Norton Morris	1916	II U.	257 Prince St., W. Newton, Mass.
Ziner, Jacob Israel	1916	III	530 Malden St., Revere, Mass.

PERHAPS, so far as education is concerned, the greatest event in the history of Technology has been the combination so recently effected with certain departments of Harvard; that institution this time recognizing in Tech its equal, if not its superior, in certain lines, co-operating with us and not absorbing us, as was its former policy.







	PAGE
ACKNOWLEDGMENTS	417
ADMINISTRATIVE OFFICERS	47
ARCHITECT OF THE NEW TECHNOLOGY, THE	38
ALUMNI	372
A PAGE OF SMILES	111
A SONG OF THE OLD DAYS	290
ASSISTANTS	83
ATHLETICS	117
Advisory Council	118
Annual Handicap Cross-Country Run	161
Baseball, 1915	168
Basket-ball, 1916	170
Basket-ball, 1917	172
Class Teams	155
Crew	153
Cross Country	138
Cross Country, 1916	166
Fall Meet	158
Field Day	175
Football, 1916	180
Football, 1917	182
Hare and Hounds	162
Hockey	144
I. C. A. A. A. A.	122
I. C. A. A. A. A. Cross-Country Run	143
Indoor Meet	160
Indoor Meet, 1916-1917	165
Inter-Course Cross-Country Run	161
M. I. T. A. A.	124
N. E. I. A. A.	123
N. E. I. A. A. Cross-Country Run	142
N. E. I. A. A. Meet	132
N. E. I. L. T. A.	152
Outdoor Meet, 1915-1916	164

ATHLETICS (Continued)	PAGE
Records	120
Relay Teams	135
Relay Teams, 1916-1917	184
Spring Meet	156
Technology-Holy Cross Cross-Country	141
Tennis	151
Track Team	126
Tug-o'-War, 1916-1917	186
Wearers of the T	119
W. P. I. Tech Meet	130
Wrestling Team	148
BUYERS' GUIDE	1st adv.
CADET CORPS	368
CAUGHT WITH THE GOODS	95
CLASSES, THE	91
Class Officers, 1914	92
Class Officers, 1915	93
Class Officers, 1916	112
Class Officers, 1917	113
CLASS PICTURE, 1915	96
CLASS OF 1915, MEMBERS OF	98
CLUBS	307
Catholic Club	315
Chauncy Hall Club	317
Chess Club	318
Chinese Club	312
Cleofan	314
Cosmopolitan Club	310
Rifle Club	320
Southern Club	313
Technology Christian Association	316
Technology Club	309
Walker Club	308
Wireless Society	319
CONCERNING THE COLLEGES	410
CORPORATION	46
DIRECTORY	418

	PAGE
FACTS	408
FINIS	456
FOREWORD	7
FRATERNITIES	191
Alpha Tau Omega	245
Beta Theta Pi	269
Chi Phi	205
Delta Kappa Epsilon	209
Delta Kappa Phi	261
Delta Psi	201
Delta Tau Delta	225
Delta Upsilon	217
Fraternity Summary	274
Lambda Chi Alpha	265
Lambda Phi	253
Other Fraternities Represented	273
Phi Beta Epsilon	213
Phi Gamma Delta	229
Phi Kappa Sigma	241
Phi Sigma Kappa	233
Sigma Alpha Epsilon	221
Sigma Chi	193
Theta Chi	237
Theta Delta Chi	240
Theta Xi	197
Zeta Beta Tau	257
GENERAL INFORMATION	407
GRINDS	373
HISTORICAL SKETCH 1	42
HISTORICAL SKETCH 2	88
HISTORICAL SKETCH 3	114
HISTORICAL SKETCH 4	188
HISTORICAL SKETCH 5	288
HISTORICAL SKETCH 6	334
HISTORICAL SKETCH 7	454

	PAGE
INDEX	457
IN MEMORIAM	416
INSTITUTE ORGANIZATIONS	363
Alumni	372
Cadet Corps	368
Institute Committee	364
M. I. T. Co-op	371
Society of Arts	370
Technique Electoral Committee	367
Union Committee	366
JUNIOR WEEK	347
"A Royal Johnnie"	352
Junior Prom	348
Technique Rush	350
Tech Show Board	355
Tech Show Cast	356
Tech Show Chorus	357
Tech Show Orchestra	358
JUST A PAGE OF JOKES	107
LITTLE GLIMPSES OF GREAT MEN	103
LITTLE RAYS OF SUNSHINE	87
MARY ELSA, HER PAGE	105
MUSICAL CLUBS	337
Banjo Club	344
Combined Musical Clubs	338
Glee Club	340
Mandolin Club	342
NEW TECHNOLOGY MASCOT, THE	6
ODDS AND ENDS	109
OFFICERS OF THE INSTITUTE	45
Administrative Officers	47
Assistants	83
Corporation	46
Faculty	48
Instructors	80

OFFICERS OF THE INSTITUTE (Continued)

PAGE

Professors	49
Research	86
Special Lecturers	85

PAST OFFICERS OF 1915	94
---------------------------------	----

PROFESSIONAL SOCIETIES	291
----------------------------------	-----

Architectural	298
Architectural Engineering	305
Chemical	300
Civil Engineering	292
Electrical Engineering	302
Mechanical Engineering	294
Mining Engineering	296
Naval Architectural	304

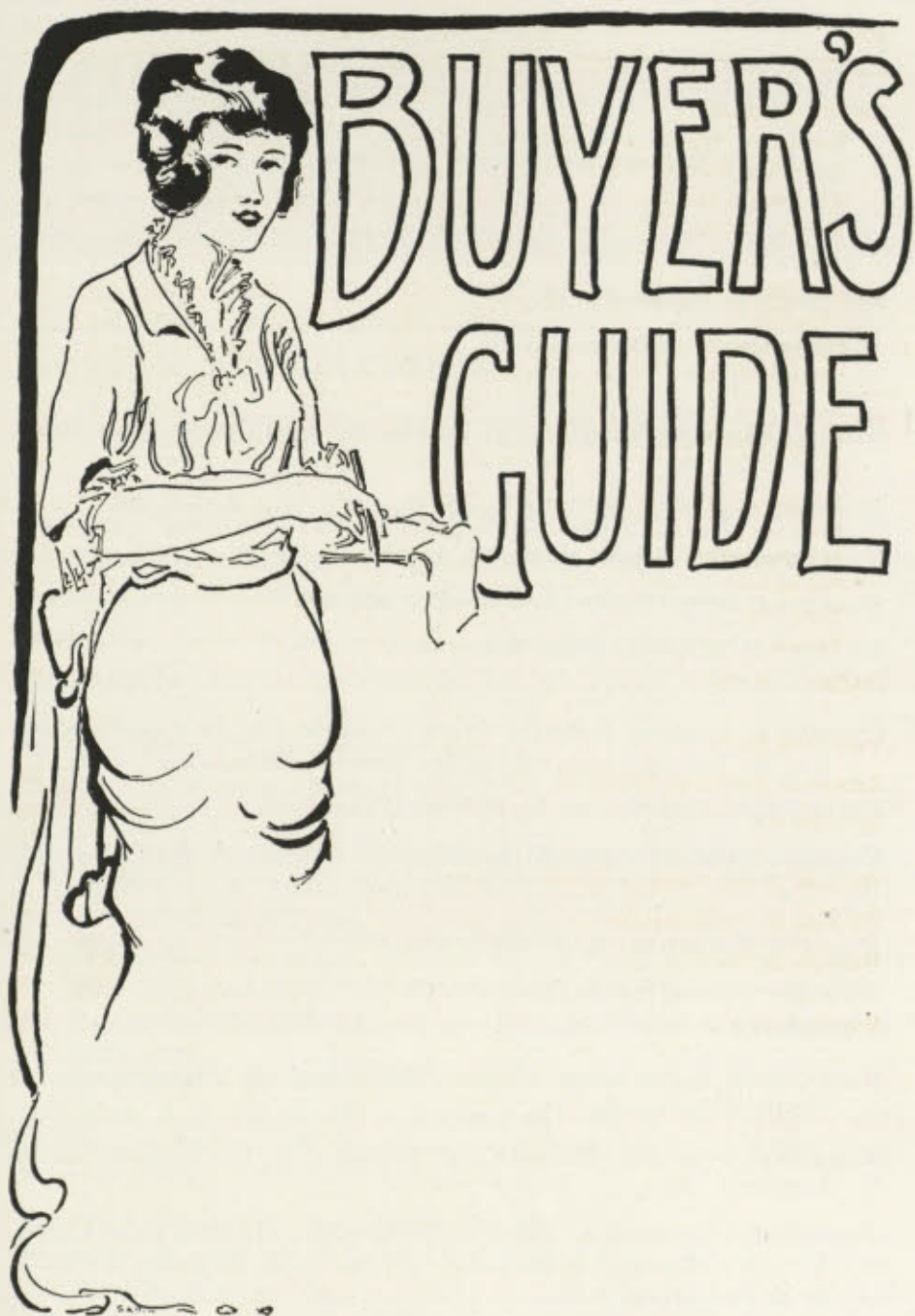
PUBLICATIONS	321
------------------------	-----

Architectural Record	332
History of The Tech	325
History of Technique	330
Senior Portfolio	331
Technique	329
Technology Monthly	323
Technology Review	333
The Tech	326

REVIEW	11
------------------	----

As the Years Roll by	35
Athletic Advisory Council, The	21
Beaver, The: Tech's New Mascot	12
Beginnings of the Tech Show, The	26
Chinese Student at Tech, The	13
Co-ed at Tech, The	15
College Man at Tech, The	16
Cosmopolitan Club, The	17
Finance Committee, The	20
Fraternity Situation, The	31
Howard Lincoln Coburn, 1898	32
Institute Committee, The	19
Musical Clubs, The	25
Need for a Daily at the Institute, The	23
Professional Societies, The	18

REVIEW (Continued)	PAGE
Technology Christian Association, The	29
Technology-Harvard Alliance, The	37
Ten Years as an Alumnus	35
Twenty Years as an Alumnus	36
 SENIOR WEEK	 359
Class Day	361
Commencement	362
Graduation Week	360
 SOCIETIES	 275
Hammer and Tongs	285
K ₂ S	276
Masque	287
Osiris	284
Pi Delta Epsilon	279
The Beaver	286
Theta Tau	280
Vectors	283
 STATISTICS OF 1915	 102
 TECHNIQUE BOARD	 8
TECHNIQUE ELECTORAL COMMITTEE	367
TECH SHOW	351
 WEARERS OF THE INSTITUTE INSIGNIA	 101
WEARERS OF THE NUMERALS	100
WEARERS OF THE T	119
 YISH-KA-BIBBLE	 346



CLASSIFIED LIST OF ADVERTISERS

Numbers refer to pages in advertising section.

ART SHOP: B. Kabatznick, 21.

AUTOMOBILES: Taxi Service Co., 32.

BANKS: Old Colony Trust Co., 35; Paul Revere Trust Co., 21; State Street Trust Co., 16.

BARBERS: Copley Square Hotel Barber Shop, 27; Tech Barbers, 27.

BOOKBINDERS: Alexander Moore, 27; E. Fleming Co., 27.

BOWLING ALLEYS: Trinity Court Bowling Alleys, 6.

BOILERS: D. M. Dillon Boiler Works, 42.

CHEMICALS: American Dyewood Co., 8; Badische Co., 20; Cassella Color Co., 30; Thomas Leyland & Co., 12; Roessler & Hasslacher Co., 26.

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CORDAGE: Samson Cordage Works, 16.

DRAWING MATERIALS: A. D. Maclachlan, 27.

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EDUCATIONAL INSTITUTIONS: Chauncy Hall School, 36; Massachusetts Institute of Technology, 11.

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INSURANCE: Robert A. Boit & Co., 12; Charles H. Johnson, 30.

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TECHNOLOGY EMBLEMS: A. D. MacLachlan, 27.

TYPEWRITERS: Underwood Typewriter Co., 26; Oliver Typewriter Co., 22.

VALVES: The Ashton Valve Co., 15; Jenkins Brothers, 22.

INDEX TO ADVERTISERS

	PAGE		PAGE
American Dyewood Co.	8	Hewins & Hollis	15
American Hoist & Derrick Co.	32	Holtzer-Cabot Electric Co.,	10
American House	29	Howes Construction Co. . .	37
Ashton Valve Co.	15	Jackson, H. D.	12
Badische Co.	20	Jenkins Brothers	22
Barrus, George H.	24	Jessop & Sons, Inc., Wm. .	36
Bemis, A. F.	24	Johnson, Charles H.	30
Berger, C. L.	28	Jones & Lamson Machine Co.	9
Boit & Co., Robert A. . . .	12	Kabatznick, B.	21
Brooks Brothers	7	Keezer, Max	24
Brown & Sharpe Mfg. Co. . .	26	Lerned & Sons, W. H. . . .	16
Cassella Color Co.	30	Leyland & Co., Thomas . . .	12
Chandler & Farquhar	17	Lloyd, Andrew J.	28
Charles & David	25	London Harness Co.	41
Chase, Harvey S.	25	Livermore, Homer F.	15
Chauncy Hall School	36	Lidgerwood Mfg. Co.	18
Coburn, Howard L.	10	Little, Inc., A. D.	24
Coes & Young Co.	31	Maclachlan, A. D.	27
Copley-Plaza Haberdasher . .	12	Macullar Parker Co.	17
Copley Square Hotel	36	Mahady, E. F.	30
Copley Square Hotel Bar- ber	27	Main, Charles T.	28
Copley Square Pharmacy . . .	27	Manhattan Rubber Mfg. Co.	20
Covelle, A. E.	12	Massachusetts Institute of Technology	11
Dillon Boiler Works, D. M. . .	42	Mellin's Food Co.	14
Electric Bond & Share Co. . .	29	Metcalf & Eddy	25
Elliott, Charles H.	33	Mitchell, Woodbury Co. . . .	24
Ellis Co., Geo. H.	38	Moore, Alexander	27
Fancleve Specialty Co. . . .	41	Morse Twist Drill & Ma- chine Co.	13
Fleming & Co., E.	27	Norton Company	25
Galvin Co., Inc., T. F. . . .	32	Notman Photographic Co. . .	15
Gray, Arthur F.	25		
Gray & Sons, Inc., Peter . . .	20		

	PAGE		PAGE
Old Colony Trust Co.	35	Tuileries Hotel	32
Oliver Typewriter Co.	22		
Parker House	36	Underwood Typewriter Co.,	26
Paul Revere Trust Co.	21	Universal Portland Cement	
Peerless Rubber Mfg. Co.	23	Co.	31
Pinkos & Co.	19		
Press & Herbert	21	Valvoline Oil Co.	28
Putnam, Henry R.	24	Vilter Mfg. Co.	10
Proctor, S. E.	41		
		Ward's	41
Rail Joint Co.	21	Weston, Robert S.	30
Ranger Co.	31	Whipple Co., J. R.	36
Rapoport & Tucker	33	Wilkinson & Co., A. J.	8
Rhodes Brothers Co.	29	Wright, Mrs. M. F.	24
Rosary	24		
Roessler & Hasslacher		York Coal Co., C. W.	31
Chemical Co.	26	Young's Hotel	36
Ruiter & Co., J. R.	12		
Saco-Lowell Shops	19		
Samson Cordage Works	16		
Sanitas Co.	8		
Simplex Wire & Cable Co.	18		
Scully Foundation Co.	40		
Sprague, T. W.	12		
Staples Coal Co.	12		
State Street Trust Co.	16		
Stiles, H. A.	30		
Stone & Andrew, Inc.	18		
Stone & Webster Co.	40		
Suffolk Engraving Co.	39		
Taxi Service Co.	32		
Tech Barbers	27		
Technology Monthly	33		
Tenney Power Co., C. H.	23		
Todd Co., Thomas	16		
Touraine Hotel	36		
Trinity Court Bowling Al-			
leys	6		

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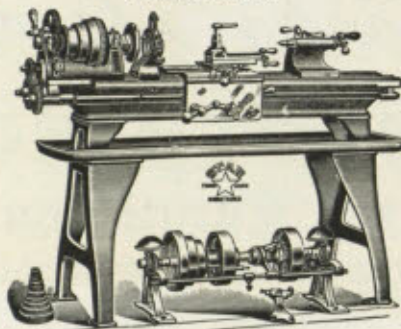
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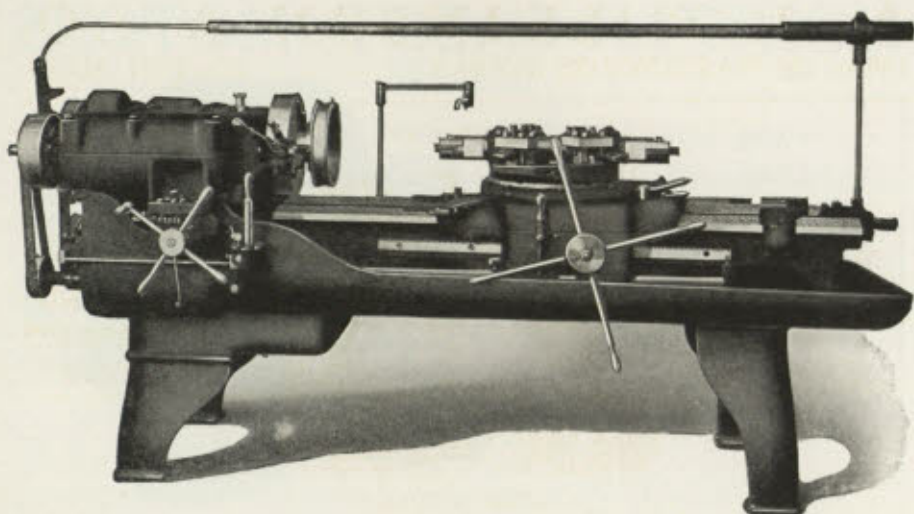
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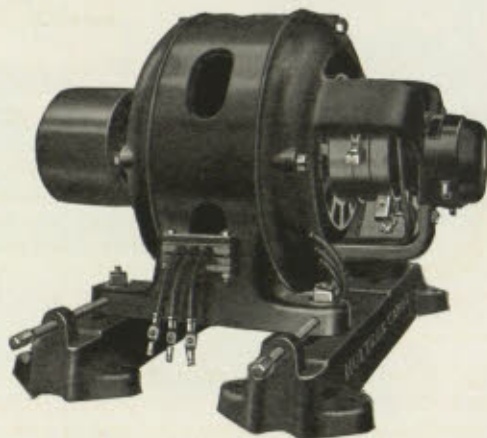
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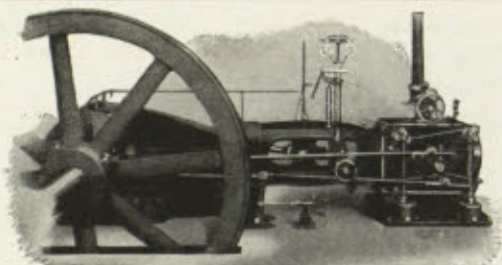
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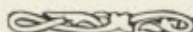
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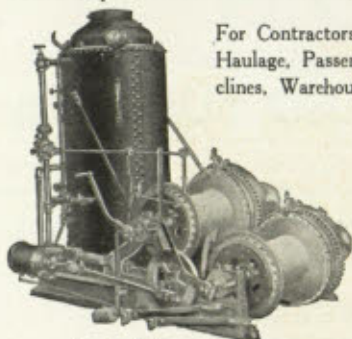
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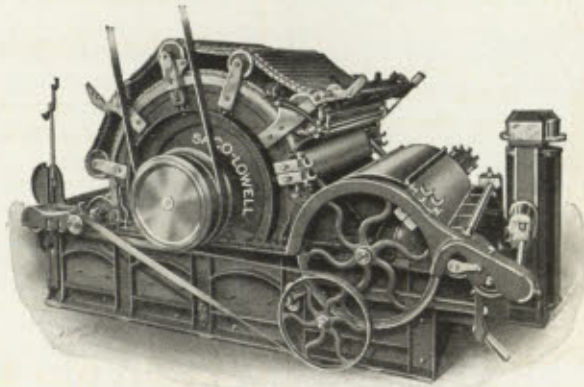
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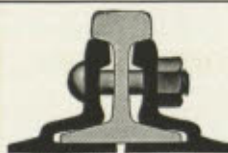
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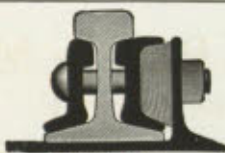
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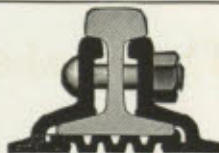
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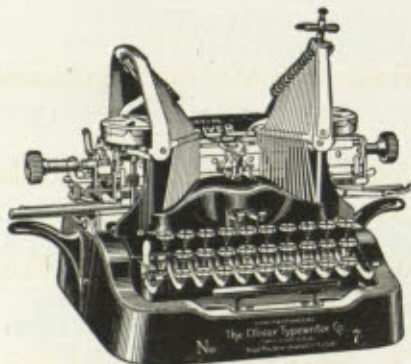
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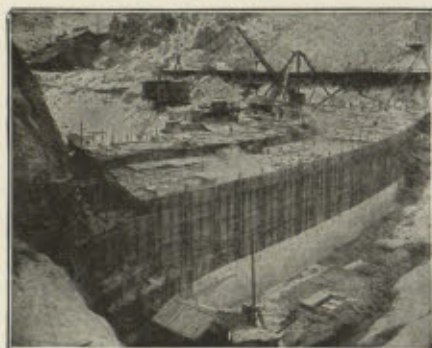
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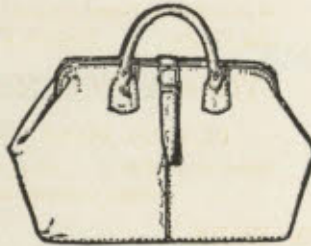
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