

THE TECH

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THE TECH

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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WITHOUT doubt one of the most encouraging features in the history of the work of the Alumni Association was the enthusiasm and ready support and attendance at the Annual Meeting and Dinner of that organization, an account of the proceedings of which was given in the last issue of THE TECH. The Association must be congratulated as well upon the efficient work of its officers during the past year, and upon its excellent choice of the executive committee for the year upon which it has now entered, as upon the overwhelming, almost unexpected, success of the Dinner itself.

While it is a very simple matter for those who are pessimistically inclined to attribute

the unwonted enthusiasm suddenly evinced among the Alumni to the high order of the toast list for the evening, THE TECH dares to take a more encouraging view of the situation, and to state its belief that even among our oldest alumni the spirit of love for Alma Mater and of loyalty to Technology is slowly beginning to assert itself more and more strongly. Certainly when our graduates realize the breadth of the training of their Alma Mater, the almost immeasurable advantages and opportunities presented in and by her training, and the rare spirit of high professional work pervading the very atmosphere of our Institution as strongly to-day as during the first years of its existence, then it would seem impossible that sufficient enthusiasm or loyalty could be long withheld.

Probably no words which have been spoken concerning our college life, and the appreciation, and respect, and love which graduates and undergraduates alike should feel for their Alma Mater, Technology, have been more thoroughly in accord with the spirit and sentiment of the best and most thoughtful representative men at our college to-day than were those of our beloved President Walker, spoken on the occasion to which we have referred. In responding to the toast "Technology," he said: "It has been a theory entertained by some that such affection [as we have referred to,—Ed.] could not exist among those of a technical college as it was possible for it to exist between pupils, graduates, and teachers of a classical school. My own experience refutes such a theory. To my mind, if a man is to owe love to a college or institution according to what it has done for him, made of him, the powers and the instruments it put into his hands to render himself useful to the world, and successful in his life work, then it should

be the graduates of a scientific or technical college. Its students find themselves drawn in still closer bonds of affection and unity of interests than those of any other school or institution."

WE had occasion in a recent editorial to refer to the opportunities offered to men who are graduated in the more recently established, and at the present time smaller courses. In the present issue we publish a somewhat comprehensive article advancing a statement of the advantages and opportunities offered to graduates of the Courses in Civil and Sanitary Engineering, the former including a Railroad option. To those who have taken more than a superficial interest in the work which the men who have been graduated from these departments have been able to accomplish, and to those who are conversant with the extent and number of great engineering problems now constantly arising and compelling solution, and of the vast expenditure of energy and of capital necessary in their completion, the article will present few, if any, new features. But to Technology men in general, and especially to the Freshman who has a leaning toward some engineering branch and is yet undecided in regard to his course, the facts there advanced will no doubt be of benefit.

While in general, it is best, as THE TECH has before suggested, for each man "to choose that course in which he feels his energies will find their most congenial employment," experience has shown that in almost no case does a man have a very decided capability in any one particular or confined branch of work. It is true that individual preference has much to do with the choice of a profession, rather than a real or imagined natural aptitude; but with conscientious work, it has been observed that in almost every case, so far as the student is concerned, one line may be mastered quite as readily as another, whatever that one may be.

THE subject of the Honor System for examinations is receiving much comment throughout the college press. The system has been tried at several of the northern colleges with apparent success,—notably at Princeton; and it is claimed that the student's standard of honor is raised and strengthened by its adoption. Yale is now struggling with the problem, and the *News* is making a very extensive plea for examinations without proctors. Professor Beebe of Yale has written a letter to the *News* which contains some interesting facts concerning the present system at Yale. The college student, according to this communication, is a very conservative person whose regard for the traditions of college life makes him accept many disreputable customs and opinions, among which is the tolerance of cheating at examinations by means of scientifically prepared "skins," or other devices of dubious ethical character.

Other critics, however, assert that the conditions at Harvard and Yale are very different from those at Princeton, where with a smaller and more isolated body of students, the unity of feeling and of general interest makes a vigorous and healthy public opinion, which is after all the real remedy; for in spite of the theories of many well-meaning people, men can not be made virtuous by act of Parliament or by a vote of the Faculty.

This problem seems never to have arisen at Technology. Cases of cheating in examinations are so rare that for practical considerations they may be altogether ignored; while on the other hand the presence of an instructor is, on the whole, a convenience to the student which is well-nigh indispensable.

AT the beginning of the college year, the outlook for the Musical Clubs was decidedly encouraging, and during the first few weeks of the term they gave promise of unusual future excellence. Of late, however, there has been little improvement, and at

present the Clubs are hardly up to the standard of previous years.

This state of affairs can hardly be said to be a fault of management, for those in charge have given an unusual amount of time to the work, and have been untiring in their efforts to better the condition of the organizations; it seems to be due to a lack of feeling of individual responsibility among the members. There are many new men in the Clubs this year who apparently are not sufficiently impressed with the fact that a greater amount of thorough and conscientious work is necessary in order to maintain the excellent record of the past.

While we realize that the additional amount of time which should be devoted to training can be ill afforded, we feel that if given, the members would be amply repaid both by the good results which would certainly follow, and the hearty support they would receive from the college.

TECHNOLOGY has always been noted for the large number of college graduates who seek her out for the purpose of putting a finishing touch to their education, and this year shows a substantial increase in the number. Nothing could indicate more than this the esteem in which the Institute is held, and the fact that so many men, and women too, with degrees from colleges of the highest standing in the country are glad to come here for a year or two should make us appreciate more fully our own privileges in being able to follow out the whole four years of careful training.

ANOTHER encouraging instance of the benefits which may be derived from even a short special course at Technology has recently come to our notice. Through the knowledge of drawing gained in his freshman year, a former student at the Institute was able to prepare upon request, a very creditable set of plans for the arrangement of seats in a large theater recently constructed in this city.

WE wonder how many fourth-year men could repeat off-hand any of the names of famous men graven on the frieze of Rogers. Not many probably of those who have spent perhaps some thousand hours within its walls. And if the names were read, would they convey much meaning? We fear that Rumford and Smeaton carry but vague ideas of time and place to most of us. A course in the History of Science might prove of great interest, and fill a long-felt want if it could be given to all the men in some class instead of only in certain courses as at present.

THE advance of business houses into Boylston Street is rapidly changing the character of the surroundings of the Institute. Many of our professors can remember when the land on which our buildings now stand was reclaimed from the Atlantic, and Rogers seemed on the outskirts of the city. Now, however the district between Park Square and Berkeley Street, especially on account of the construction of the Subway, bids fair to become a great commercial center. The removal of the Institute to Brookline or elsewhere is spoken of by some as a possibility. Much would be gained, in space, in fresh air, and pleasant surroundings, but great inconvenience must doubtless result to those living in suburban towns about Boston. One thing is certain: under such conditions the dormitory system would come into being and a great increase in unity and loyalty might be expected.

FASHION.

In olden time,
Long years ago
Most all the woe,
In crowded throng and purses long,
Was caused by hoop skirts' un-
Conformity.

In modern times,
How queer! 'tis sleeves
That man's soul grieves,
And leaves a bare exchequer where,
Less Fashion's fancies, would

A plenty be. —Brunonian.

A Statement of the Advantages and Opportunities Offered to Graduates in Civil and Sanitary Engineering.

It is a very general impression, and one the truth of which a superficial world is constantly attempting to assure itself, that such an old professional Engineering branch as that of Civil (including Railroad Engineering and the more recent outgrowth, Sanitary), is now extremely crowded, and that the lately recognized and established branches of Electrical and Chemical Engineering, with allied undertakings, are practically open to all newcomers. It would take, however, but a few statements from well-known men of the several Engineering professions to thoroughly overthrow this long-petted thing. On the contrary, it is an unfortunate circumstance that the favorite pursuit of Electrical Engineering is now more than filled and men, graduates of technical institutions, are oftentimes obliged to accept positions and remain in them for long periods of time at a remuneration scarcely, if at all, above that paid to men of no training and with but moderate mental capacity.

In the United States there is a large and very constant demand for well-trained men in Civil and Sanitary Engineering. In these pursuits alone, of all professions of a technical character, the demand in proportion to the supply has, during the past two decades, increased, and that considerably. Especially during the years in the immediate past, engineering problems of a nature and size almost incredible have compelled solution. Throughout our country to-day, with a rapidly increasing population, there are constantly arising problems of no small importance, providing for transit, and for sanitary conveniences and necessities, including water supply, sewerage, and to some extent, heating, ventilation, and construction.

It needs but a few illustrations to show what a vast expenditure of brain, of time, and of money is now being made throughout the United States, and largely, it may be said,

in the East, upon Civil and Sanitary Engineering work of a diverse and broad character.

The first undertaking to which reference will be made is the construction of the Croton Aqueduct, providing an abundant and excellent water supply for the City of New York. Operations have been carried on from 1883, when the Commission was organized, until the present time; and it is probable that the whole scheme will not be completed for several years. To provide for the enormous outlay of money which would be necessary to carry on the work, bonds were authorized to the amount of fifty million seven hundred and fifty thousand dollars, of which, at the close of 1894, nearly thirty millions had been expended.

The Metropolitan Sewage Commission was established nearly seven years ago to devise and carry through a complete scheme for the sewage disposal of the entire Metropolitan District not already provided for. This district, including the City of Boston, represents the combination of a large number of cities and towns to the north and west of its nucleus, Boston, for the mutual solution of a perplexing and difficult problem. The estimated cost of the work, which will not be completed for several years, is fifty million dollars.

The new Boston Subway, which has recently attracted such a deal of attention, which will be of such importance in eliminating the disagreeable features of a congested district, was commenced nearly a year ago, and will not be completed for an extended period. The subway is a striking example of transit problems, which in one form or another are constantly arising. The expense of the undertaking will be in all probability not less than five millions.

Again, an enormous enterprise of a Sanitary nature may be cited in the work of the Metropolitan Water Board, which began its labors under the Metropolitan Water Supply

act of 1895. The problem has been one to obtain a large amount of water from a source other than that which has, in the past, been relied upon. The present undertaking will provide a permanent water supply for greater Boston—the Metropolitan District—with certain exceptions of Cambridge, Lynn, and other towns. This work, which will involve the expenditure of at least twenty-five million dollars, cannot be completed for a considerable period. Already, upon this work alone, a large number of recent graduates of Technology in Civil and Sanitary Engineering have been employed.

In the purification of water and of sewage by chemical precipitation, sand filtration and irrigation, an immense future is now opening. The city of Boston has recently completed a very extensive and well-constructed series of filter beds for the purifying of sewage; and the city of Worcester has enlarged its precipitation works so that they have become, perhaps, the most interesting in America. There is no department of engineering in which larger or more important and extensive civic and municipal works are likely to be undertaken within the next few years than in Sanitary Engineering. The increase of population, and the growing attention paid to questions of the Public Health, make it certain that extremely important problems in this field will shortly be undertaken.

Among other important engineering operations to which reference will be made are: the Chicago Main Drainage System, providing at an enormous outlay for the discharge of the sewage of the city of Chicago into the Illinois River, and the New York Transit problem, now being agitated. The scheme embraces the construction of a subway for New York City at a cost of fifty millions of dollars.

In Railroad Engineering attention should be called to the present operations of securing grade crossings throughout the more thickly settled portions of our country. In example, the Boston and Providence Railroad, for a

distance of four miles outside of Boston, has been compelled to construct grade crossings, at an outlay, when completed, of four million dollars. At Brockton, similar work will incur an expenditure of two and one-half millions. On the Boston and Albany Railroad, throughout the city of Newton, the same problems must be solved. On the long stretch of the New York, New Haven and Hartford Road, between New Haven and New York, the construction of four tracks and of grade crossings is now being accomplished at an immense cost. In Providence the outlay of several millions was made necessary in the arrangement for a new station, and the establishment of grade crossings, while in Chicago and in other large cities the same difficulties are repeatedly arising and must be met at a large expenditure, requiring skill and training of the highest sort.

In addition to the number of instances which has been cited, it is scarcely necessary to refer to the operations which are being conducted by the Massachusetts Highway Commission, and by similar Boards in other States, upon which a large number of Technology graduates are employed.

In Constructive Engineering it may be said that such buildings as the new Tremont House, the Ames and Worthington Buildings of this city, and large numbers of huge, steel-frame structures in other cities, are almost of necessity designed and supervised in construction by civil engineers.

Notwithstanding the unfortunate financial standing of the country at large during the past few years, the demand for graduates of Courses I and XI has been far greater than Technology could supply. In fact, it would be upon a conservative estimate to state that at least twice as many applications for men have been received by the Department of Civil and Sanitary Engineering as it was able to supply, and this, it may be said, without any effort whatever to stimulate applications on the part of the Professors in charge.

Schedule of Semi-Annual Examinations.

TUESDAY, JANUARY 21.

	A. M.	P. M.
4. Micros. Anatomy	9.00	
4. R. R. Signals	9.00	
4. San. and Hyd. Eng.	9.00	
3,4. Mining Eng.	9.00	
3,4. Polit. Economy		1.00
3. Social Reform		1.00

WEDNESDAY, JANUARY 22.

	A. M.	P. M.
4. App. Mechanics	9.00	
4. English Literature		1.00
4. Org. Anal. and Prep.	9.00	
3. Geol. (struct. and chem.)	9.00	
3. Physiol. of Senses		1.00
3. Stereotomy	9.00	
2. Phys. Meas.*	9.00	

THURSDAY, JANUARY 23.

	A. M.	P. M.
4. Fourier's Series	9.00	
4. Photometry		1.00
3. App. Mech.	9.00	
3. Theoret. Chem.	9.00	

FRIDAY, JANUARY 24.

	A. M.	P. M.
4. Hydraulics	9.00	
4. History of Induct. Sci.		1.00
4. Org. Chemistry	9.00	
1. Mech. Drawing	9.00	

SATURDAY, JANUARY 25.

	A. M.	P. M.
4. Least Squares	9.00	
4. Metallurgy	9.00	
4. Physiol. and Hygiene	9.00	
3. Architectural History	9.00	
3. Physics	9.00	

MONDAY, JANUARY 27.

	A. M.	P. M.
4. Comp. Physiol.		2.00
4. Dyn. of Mach.	9.00	
4. Energetics	9.00	
4. Structures	9.00	
3,4. Quant. Anal.	9.00	
3. Quaternions	9.00	
3. Valve Gears	9.00	
2. Physics	9.00	

TUESDAY, JANUARY 28.

	A. M.	P. M.
4. Elect. Eng.	9.00	
4. Hydraulic Measurements	9.00	
4. Sugar Analysis		1.00
3. R. R. Engineering	9.00	
3. Sanitary Chemistry	9.00	
3. Indus. Elec., Telegraphy	9.00	
2,3. American History		1.00
2. Political History		1.00
1. Freehand Drawing	9.00	

WEDNESDAY, JANUARY 29.

	A. M.	P. M.
4. Climatology		1.00
4. R. R. Engineering	9.00	
4. Steam Engineering	9.00	
3,4. History of Renaissance	9.00	
3. Surveying	9.00	
2,3. English Literature		1.00
2. Mechanism*	9.00	
1. Solid Geometry	9.00	
1. Trigonometry*	9.00	

THURSDAY, JANUARY 30.

	A. M.	P. M.
4. Eng. and Amer. Lit.		1.00
4. Metallurgy of Iron	9.00	
4. Periodic Currents		1.00
3. Anthropology		1.00
3. Industrial Chemistry	9.00	
3. Theoret. Electricity	9.00	
2,3. Qual. Anal.	9.00	
2. Desc. Geom.†		1.00
1,2. Anal. Geom.*	9.00	
1. Algebra	9.00	

FRIDAY, JANUARY 31.

	A. M.	P. M.
4. Analytical Mechanics	9.00	
4. Bacteriol		1.00
4. Dynamo Testing	9.00	
4. Machine Design	9.00	
4. Naval Architecture	9.00	
4. Textile Coloring	9.00	
3,4. Financial History		1.00
3. Assaying	9.00	
3. Comp. Anatomy		1.00
3. Thermodynamics	9.00	
2. Acoustics	9.00	
2. Materials		1.00
2. Pol. Econ. and Econ. Prob.		1.00
Ent. Algebra	9.00	
Ent. English	11.00	
Ent. French		2.00

SATURDAY, FEBRUARY 1.

	A. M.	P. M.
4. Air Analysis	9.00	
4. Mining Eng. (III.)	9.00	
4. Physical Laboratory	9.00	
4. R. R. Manage	9.00	
4. Theoret. Biol.	9.00	
3. Naval Architecture	9.00	
2,3. Organic Chemistry	9.00	
2. Gen. Biology	9.00	
2. Orders	9.00	
2. Physics*	9.00	
1. Desc. Geom.†		1.00
Ent. Plane Geom.	9.00	
Ent. History	11.00	
Ent. German		2.00

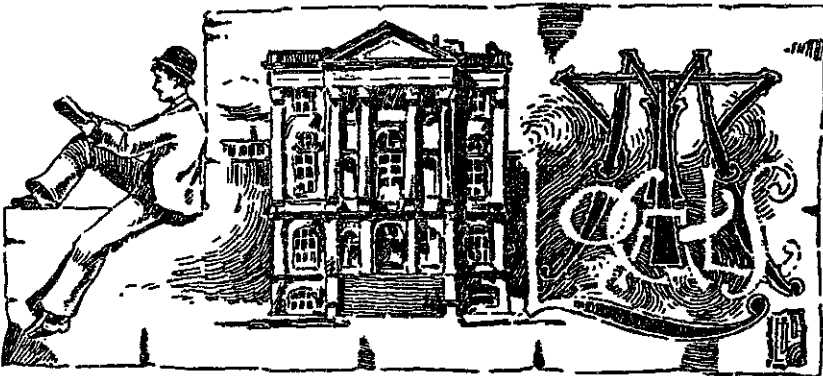
* For students having special examinations.
 † For students having special examinations or taking "special course."

Exercises will be suspended for the first and second years, on and after Saturday, January 25; for the third and fourth years, on and after Monday, January 20.

All special examinations granted by the Faculty and all examinations postponed from September, are to be taken at this time, unless otherwise specifically authorized. Students desiring such examinations (not on this schedule), and those having two examinations on the same day, should hand in complete schedules checked for all their examinations not later than January 15. New assignments will be sent by mail to such students on Friday, January 17. None can be arranged later.

Reports will be mailed February 8 to students of age and to the parents of others. None can be given out verbally. Requests for duplicates will be received until January 22.

H. W. TYLER, *Sec'y.*



The Technology Yacht Club will have a smoker in February.

The Sophomore Class Dinner will be held in the latter part of February.

The relay team will train through vacation in preparation for the race with Brown at the B. A. A. games.

A framed picture of the 'Varsity Football team has been placed in THE TECH Office for the Trophy Room.

The pictures of the Glee Club have been ordered and will be distributed after the Wellesley concert.

New apparatus has been put into the chemical laboratory for utilizing the street current in electrolytic work.

Dr. Ripley has an article in the *Political Science Quarterly* of December on "Geography and Sociology."

A meeting of the Freshman Class was called for Tuesday, January 7th, to make arrangements for a Class dinner.

On New Year's day Mr. C. Bernard was presented with a meerschaum cigarette holder by the members of Sections 9 and 10 of the First Year.

Course VII. men are much interested in the course of Lowell Institute lectures which Professor Lloyd Morgan is giving on Habit and Instinct.

A meeting of the Deutsche Verein was held on Monday of last week. Only business was discussed. Regular meetings in German will be begun next term.

Collins & Fairbanks are designing a new straw-hat band for the Institute, to consist of a crimson stripe having two gray bands of equal size on each side of it.

The Glee Club, which rehearsed at the Y. M. C. A. on last Saturday, desires to thank the Secretary for his courtesy in extending to them the use of the parlor and piano.

The Annual Election of officers of L'Avenir will take place at the meeting on next Monday. All the members of the society should make it an especial point to be present.

Captain Bigelow is making arrangements for the formation of a corps of field music for the Freshman Battalion. All men who can play fife, drum, or bugle, and who wish to join the corps, should hand in their names at once.

The Home Concert of the Musical Clubs, which had been arranged for a date previous to the Semi-Annuals, has been postponed until next term. The clubs have been hard at work, but have met with many unfortunate occurrences which have hindered their progress.

An organization meeting of the Tennis Association was held on New Year's Day, in 21 Rogers. Mr. Hall reported on behalf of the Executive Committee and read a provisional Constitution. After some discussion, it was adopted and twenty-five charter members of the association were enrolled.

The *Vassar Miscellany* for December has a very interesting article on "Housekeeping from the College Woman's Standpoint" by Ellen H. Richards, '70. The paper is preceded by a brief biography of the author whose valuable work in the Sanitary Department of the Institute is known to us all.

The French society held a reunion on Monday, December 30th, with a fair attendance. Anecdotes were read by Messrs. Smith, '95, Jones, '98, and Winslow, '98. Mr. Mason, '97, told several short French stories and made the announcement that the annual election of officers would occur at the next meeting.

The meetings of the Y. M. C. A. which were held last week on Friday and Saturday were the largest and most successful that the Association has had during its work, and give the officers substantial encouragement of better work to come. The leader, Mr. S. M. Sayford, proved himself to be a man possessed with great power in speaking to young men. His words, which were heard by about a hundred and fifty students, were of a nature to include them all and it is to be hoped that all will profit by good advice. In the first meeting he spoke of his work, especially of the founder, a young man named Bemis, of Amherst, who was a typical college backslider until his Junior year, when he changed and became an earnest Christian worker. He advised all the fellows to be more careful in their mode of living and not allow pleasures of a harmful nature to creep in. In his second address he made a strong appeal to the men present not only to give up but to assist in the effort being made to discontinue the vices so prevalent among college men to-day. Mr. Sayford will spend this week with the eight colleges in Boston, and on Saturday a large mass meeting will be held at the Y. M. C. A. to which all are invited.

The report of the Committee on Summer Courses, just presented to the Faculty of the

Institute, shows that one hundred and thirty-eight students took work in science and language, the largest classes being those in German and in Analytical Chemistry, with about twenty-five students in each. In the course in Physics ten students were registered, and a smaller number in Physical Measurements. Those courses were especially successful in laboratory work, a goodly proportion of the students taking them for advanced standing, many to make up deficiencies, and quite a number of outsiders, teachers of schools and colleges, also took advantage of the opportunity. Certain of the courses, as in mathematics, had a small attendance, and another year these may be supplanted by other arrangements for such work; but the Committee recommends that the great majority of the courses given last year be continued. This is especially advisable because a great number of summer schools at the present time are located outside of the cities, far removed from collections of materials and libraries. The benefit of these summer courses in the country to teachers from the city is apparent, but the Institute ought to provide a place where the teachers from the country may also find a change by coming to the city, with its collections, laboratories, and apparatus. There are now nearly fifty schools of the Chautauqua type, and several pedagogical schools like that at Martha's Vineyard, with its seven hundred teachers in attendance, but the instruction in the higher branches of science needs laboratory outfit which can alone be provided in the great city. To meet this want is the purpose of such summer courses as have been given, and the Committee strongly recommends that they be continued.

Mr. George A. Gardner, of the Corporation, has recently added a collection of famous busts of primitive men, now in the Museum of Natural History at Paris, to the collection of face masks presented by him to the department of General Studies. The originals from which these were copied were made by the

French government from casts from life, taken in the scientific exhibition of the Astrolabe Zelee and Favorite. They include casts of various types of Africans, Malays, and Polynesians, some of these being now practically extinct. This new collection illustrates the head form, and it supplements the collection of face masks which show merely the color of the skin and features. It is the intention of the department to establish a laboratory for the prosecution of anthropological studies, especially directed to the elucidation of modern sociological problems. The work is now carried on by the co-operation of the departments of Biology and General Studies.

The concert to be given at Wellesley on Saturday evening will probably find the club in fair condition, and we hope that the programme will be rendered in a worthy manner, characteristic of past seasons. The following programme will be given:—

Part I.

1. "What Shall he have who Killed the Deer?" Bishop.
GLEE CLUB.
2. Dancing Darkey
BANJO CLUB.
3. Tenor Solo Selected.
EDGAR H. BARKER, '96.
4. Ye Banks and Braes
GLEE CLUB.
5. Directorate March Sousa.
MANDOLIN CLUB.
6. Old Folks at Home
GLEE CLUB.

Part II.

1. Our Tiny Bark Beschnitt.
GLEE CLUB.
2. Duet, Mandolin and Guitar
J. S. BARBER, J. W. SHUMAN.
3. Normandy March
BANJO CLUB.
4. Au Dich (from German)
MANDOLIN CLUB.
5. Daddy Long Legs and Fly
GLEE CLUB.
6. Ethiopian March
BANJO CLUB.

Alumni Notes.

Mr. A. P. Mathews, Course VII., '92, is pursuing a course in Zoölogy at Marburg.

Mr. Gary N. Calkins, Course VII., '90, Instructor in Biology at Columbia University, visited the Institute last week.

Miss A. H. Beckler, Course VII., '92, has been appointed First Assistant in the Philadelphia School of Normal Training.

Mr. John Howland Gardiner, '95, one of the former editors of THE TECH, who is employed in New York, visited the Institute last week.

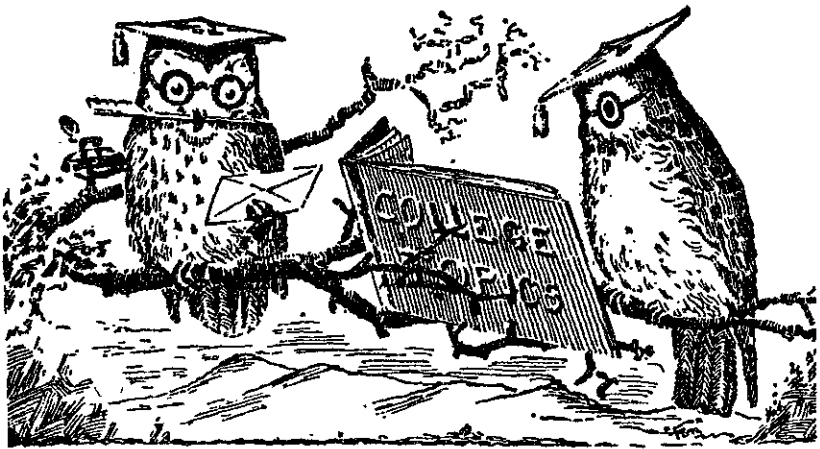
Mr. R. H. Fernald, '95, Instructor in the Cose school of Applied Science and a recent student at the Institute, visited the architectural department last week.

Mr. O. W. Albee, Class of '93, of the Mining Department, is spending a short vacation in Boston. He is with Captain Lyle, M. I. T., '84, U. S. Inspector of Ordnance at Philadelphia.

Miss E. E. Bickford, Course VII., '90, has recently been appointed Assistant in Biology at Vassar. She has lately returned from pursuing a course of study at Friburg, in which she has obtained the degree of Ph.D.

Mr. John E. Hardman, class of '77, of the Mining Course, whose success as a mining expert in Nova Scotia has lately caused him to be elected President of the Mining Society of Nova Scotia, has recently been appointed Professor of Mining Engineering in McGill University, Montreal.

Mr. R. H. Sweetser, class of '92, course III., has recently been appointed Assistant Superintendent of the blast furnaces of the Maryland Steel Company at Sparrow Point, Md. Mr. Sweetser appears to have so well equipped himself in the mining course that he is able to hold his own with others and to make his value felt, gaining thereby promotion to more responsible positions.



Columbia has organized a dramatic club.

During the past year 12,800 volumes have been added to Cornell's Library.

Fire has destroyed the new \$1,600 rowing barge of the University of California Boat Club.

An expedition from Amherst will go to Japan to view the total eclipse of the sun on August 6, 1896.

The name of the *Cornellian Breeze*, published at Cornell College, has been changed to the *Cornellian*.

The Yale baseball management has arranged for a game in May with nine prominent graduate players, as a method of coaching.

The entire property of the universities and colleges of the United States is valued at \$200,000,000; one fourth of this belongs to four universities.

Newell, Harvard's famous tackle, who has been coaching Cornell for the last two years, has been secured to assist Mr. Deland in coaching the Harvard eleven.

At a recent meeting of the Harvard Faculty it was voted "that students who are on probation shall not be allowed to act as managers of athletic or other organizations."

The trustees of Trinity College have granted an appropriation of \$2,000 to be used for improving an observatory. New apparatus is being bought and old instruments repaired.

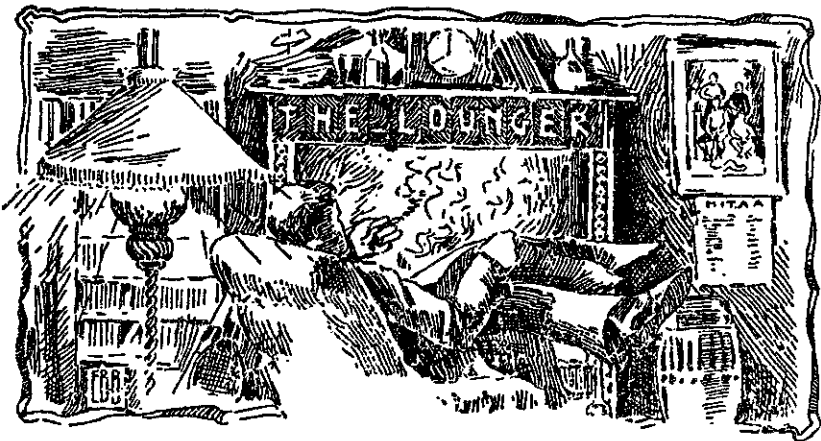
"A friend of Princeton athletics" has recently offered to build a 220-yard straightaway track on the University field. The offer has been accepted, and the track will be ready by spring.

Each member of the Yale eleven this year has been presented with a small gold football for a watch charm, on which is enameled the date, name of the owner, with the position he occupied on the eleven, and the score of the Yale-Princeton game.

It has been definitely settled that Princeton and Harvard will meet in annual debate at Cambridge on Friday, March 13th. Harvard has the choice of a question, and Princeton the choice of sides. The question submitted by the Harvard Committee is: *Resolved*, "That Congress should take Immediate steps toward the Complete Retirement of all the Legal Tender Notes."

For next year's football teams the outlook is very bright at all the larger colleges. Yale loses five men, Thorne, De Witt, and Terrens behind the line, and H. P. and W. R. Cross in the line. Harvard loses Borden, C. Brewer, and Fairchild behind the line, and Hallowell and Gould in the line. Princeton loses only Lea and Hearn. These men are both in the rush line. All the rest of her team will return to college.

Haverford College has swung into line with Boston University and a number of other institutions in the matter of allowing editorial work on the college paper to count toward a degree. In general, where this is done, about two hours per term is allowed, and it would seem that really faithful work upon the college publications might well be recognized by every faculty to this extent. Certainly no more practical work can be done in the department of English; and the paper, and through it the college, would be benefited by the removal of an extra strain from those upon whose shoulders the care of the paper principally rests.



THE Lounger has always found great satisfaction and solace in the beautiful philosophy which teaches the unavailability of the inevitable. This he finds to be about the only doctrine the truth of which cannot be rashly impugned, and he puts faith in it accordingly. And so when he thinks of the approaching semiannuals, and when he thinks how the observant reader has been thinking of them also, it is with a full realization of that philosophy's import, and a sense of ease and confidence usually unattainable. The Lounger confesses an entire inability to aid in postponing the fatal days, and so he contents himself with a few words of greeting, if not of welcome, to the trying period, and calmly sits him down to wait till Father Time shall have rolled the next few weeks into the hospitable past, where the Lounger need have no further concern with them.

It is true that the college examination continues to play the same pranks as ever, and the luckless questions are as mysterious as before, and though the prof. may "come again" his route is quite as devious as on previous occasions. While the Lounger rejoices of course in the immunity which he enjoys at this season, in being beyond the pale, as it were, of the blue book criterion, he does not relax his keen sympathy for those who are still afflicted and who endure the periodic agony of writing between the meager covers of a blue book much more than they can possibly know. On the contrary, he feels for them most deeply, and trusts that the profs. may be fooled once, and yet again. But it is a painful process, nevertheless, and though Freshman and Sophomore are now largely free of much of this disquiet, the poor Senior and Junior still struggle under the same burden of exams as of yore. For these luckless wights it may be a satisfaction to meditate upon the ultimate questionableness of the examination system, and to extract therefrom whatever comfort the semiannual report fails to yield. Till that document is in his hand, therefore, let the wise man

cultivate an even temper and a cheerful mind, together with an assiduous attention to alien topics, and, when the list of flunks is finally scanned, the view may not be so violently unhappy as was anticipated. All of which truthful conclusions, the Lounger may add in extenuation, have been deduced from personal experience.

This happy freedom from the "quiz" has doubtless provided the Freshman with his long-sought opportunity for time killing, which interesting pastime has been productive of certain schemes lately hinted abroad. The cherished idea seems at last to have been vindicated, and Ninety-nine informs us that college life is a delusion and a snare without a Class Pipe. Whatever violent preparations to secure this valued adjunct have already been made the Lounger does not know, but he marvels that the meek and lowly Freshman could calmly contemplate a scheme like this necessitating so radical and concerted a departure from paternal and maternal behest and exhortation. He supposes that an irrepressible desire to pose must be at the bottom of it all, however.

"Ah, we are sad dogs. We are quite the college man, you know. Here, Bill, open another bottle of ginger ale." This remark, delivered in appropriately hardened and immoral tones, conveys, he supposes, the idea which Ninety-nine desires us to receive. Whether the Freshman has gone to his task in the best way is something yet to be shown. Whether, too, his example may not incite future classes to such excesses as the adoption of a Class Poker Chip or even a Class Cocktail, the Lounger really fears to think. Certain it is that Ninety-nine has displayed a very advanced state of precocity, and while the Lounger has no desire to see the Freshmen pose as apostles of goodness, a rôle assumed by Ninety-eight about a year ago, he merely confesses his amusement at their premeditated and awfully determined effort to appear "just like big brother."

Presto.

While kneeling at my lady's feet,
I pressed my suit;
And later 'twas her head so sweet
Which pressed my suit.
Next morn the tailor in our street,
He pressed my suit.

KAW.



BUSINESS.

"Your account's overdrawn," the bank clerk replied,
To the maiden, with stern and searching look.
"Oh, you're surely mistaken! It can't be," she cried,
"There are lots of checks left in my book."

—*Vassar Miscellany.*

GREAT SCOTT.

"The stag at eve had drunk his fill,"
And staggered some, as often will
A stag who's had a horn too much,
And, like the far-famed, fabled Dutch,
Has taken Holland gin. To pull
This story short, the stag was full.

—*The Lafayette.*

THE LOVERS.

He pressed her gently to his breast,
Her deepest love to stir;
She vowed that she'd loved none but him,
He swore he'd loved but her.

"But, sir," she said, "your fond embrace
Shows forth right royally
That you've had practice; yet you say
That you have loved but *me*."

"My dear," said he,—his dark eyes laughed,—
"I can't exactly see
From what you judge my actions,
Since *you* have loved but *me*!"

—*Unit.*

THE IDYLS OF THE KING.

A mystic spell upon my spirit lies
Since first I heard the sweet-voiced singer sing
Of magic-builed Camelot and the King
Before whose gentle gaze sin faints or flies,
And noble hearts are spurred to high emprise.
When now I sit before my dying fire
I see sun-painted turret, dome and spire
To the low music of the wind arise
From the white ashes, sheen of golden mail,
The flash of spear points high in air, and hark!
The shock of jousting knights upon the field
As falls the charring log. The Holy Grail
Adown a ray of light glides through the dark;
The andirons' lions gleam from Launcelot's shield.

—*Wesleyan Lit.*

RONDEAU.

When one tries, he succeeds,—
Or so say the creeds
That pretend with some show
Of wisdom to know
How to do mighty deeds.
But for him who succeeds
Some skill, too, he needs
To construct a rondeau
When he tries.

E'en though this he heeds
And the poets long reads,
'Tis in vain,—for no
Inspiration will flow;
He can't do such deeds
When he tries.

—*Unit.*

THE MARSHES.

Stretching far to southward,
In the sunset's glow,
Lie the yellow marshlands,
Where tall rushes grow.
Here and there the dark pools,
'Mid the bending grass,
Where the ebb-tide left them,
Shine like molten glass.
White gulls, circling landward,
Fly on drooping wing;
Loud their mournful crying
Hitherward they bring.
As the darkness deepens,
Night winds rise and moan,
Sweeping wild and boisterous
O'er the marshlands lone.

—*Brunonian.*

SUNSET ON THE MARSHES.

There's a call on the marsh at sunset,
From the long grass, swiftly stirred
Into spaceless waves by the seaward wind,
And far off, faintly heard,
From the deeps of air to the deeps of sea,
The voice of the homing bird.

There's a glow on the marsh at sunset,
Where the salt creeks glide away,
Blushing with limpid crimson
At the last smile of the day.
And the flush sweeps on to the paling east,
And dies in the ocean's gray.

There is peace on the marsh at sunset,
From the strength of the boundless sweep
Of sea and sky. Then the ear may hear
The throbs of the world's heart keep
In pulse with man's; for the ocean's voice
Has sung the earth asleep.

—*Wellesley Magazine.*



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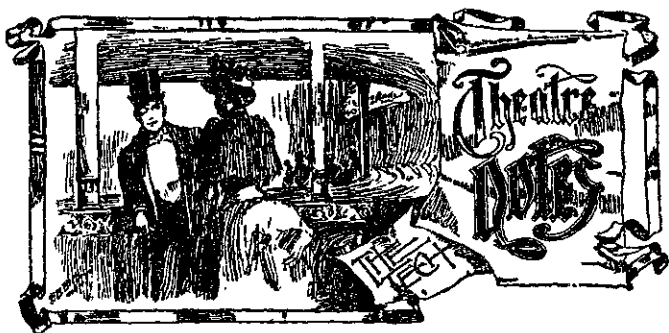
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Boston Museum.—Monday, January 13th, the popular young actor, E. H. Sothern, begins his engagement with "The Prisoner of Zenda," a dramatization of Anthony Hope's novel which created such a sensation last year. The Museum will now resume its old-time place as the greatest matinee place in town, for E. H. Sothern is the best matinee card in the whole list of actors.

Tremont Theatre.—Beginning January 13th, Francis Wilson and his company will present "The Chieftain," by Sir Arthur Sullivan. Francis Wilson is an old-time favorite and always a good drawing card. Get your tickets early.

Castle Square Theatre.—The presentation of "Faust" at the Castle Square fairly took the town by storm, and the house was the scene of nightly triumphs for the members of this remarkable company. Seats must be secured weeks in advance. They have in preparation, "Iolanthe," "A Night in Venice," "Trovatore," and "The Black Hussars."

Boston Theatre.—Primrose and West begin their engagement at the Boston Theatre January 13th. It is so seldom we have a first-class minstrel entertainment that we cannot afford to miss it.

Park Theatre.—"The Contented Woman" remains in favor at the Park Theatre. Caroline Miskel Hoyt, who plays the leading part so charmingly, has achieved a marked success. This week some new specialties will be introduced, and a new song by Mr. Hoyt, which everybody says will rival "The Bowery" in popularity.

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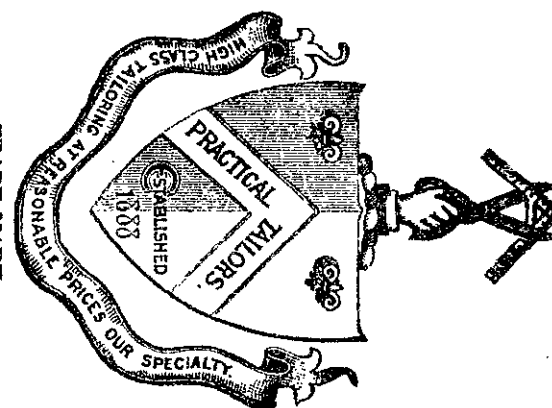
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