



THE TECH

VOL. XVII

No. 22

APRIL 2, 1903

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THE TECH

VOL. XXII.

BOSTON, APRIL 2, 1903.

No 22

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

ROLAND B. PENDERGAST, 1904, *Editor-in-Chief*.
GRAFTON B. PERKINS, 1905, *Assistant Editor-in-Chief*.
RICHARD O. MARSH, 1905, *Secretary*.
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M. AHUMADA, Jr. 1906. }

OFFICE: 30 ROGERS, 491 BOYLSTON STREET.

OFFICE HOURS:

Editor-in-Chief Monday, 10-11 A.M.
Business Manager Wednesday, 11-12 A.M.

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.

All communications with the Alumni Department should be addressed to the Alumni Editor.

Subscription, \$1.50 per year, in advance. Single copies, 5 cts.

Entered in Post-office, Boston, Mass., as Second-class Matter.

Puritan Press, Boston.

THE BURSAR'S ACTION.

THE recent action of the Bursar in refusing to stamp or cash checks presented at the office has called forth such a widespread discussion that an authoritative statement seems to be in order. Heretofore checks have been stamped when presented or cashed when there have been sufficient funds on hand, but this has always been done only as a convenience for students and never as an obligation. Furthermore the bonds held in the office are no protection against fraud in

this connection and the men have been put on their honor purely.

Recently, in two cases, advantage has been taken of this fact and the Institute has suffered considerable loss. Thus it is to be seen that the Bursar's action is solely one of protection to the Institute, and the fact that out-of-town students will suffer great inconvenience from the withdrawal of this privilege is sincerely regretted by Mr. Rand. He, however, states that while no further *personal* checks will be stamped or cashed at the office, he will be very glad to stamp or cash *cashiers'* checks or certified checks. Thus students should instruct their respective "sources of supply" to obtain from the cashier of the home bank his check on a Boston bank, and forward that instead of the personal check. Such cashiers' and certified checks Mr. Rand will be only too pleased to negotiate.

THOSE CLASS DUES.

IN referring to the contest in the election of the class day officers, the Boston *Herald* said that one of the courses was taken unawares, in that, since many of its members had not paid their class dues in full, its chance of electing some of its men to offices was lost. This was spoken of as an election trick. It seems to us impossible that men can have spent nearly four years of connection with the Institute without having discovered that no man who is beyond a certain sum in arrears in his class dues can have any voice in class affairs. If a man expects to enjoy what advantages his class organization has to offer he must be prepared to pay for them. It cannot be that the statement of this

fact came as a total surprise to any large number of the Seniors.

Whether or no this matter has any foundation on fact, it may well be made a lesson to all other classes. For instance, with the Sophomores, *Technique*, '05 elections are fast approaching, and yet nearly one-half of the class is so far behind in class dues as to be quite disqualified from serving on the Electoral Board or on the Technique Board, or even from voting in the election of the first. There are many in every class, we realize, who do not take any interest in class or Institute affairs, and no one can hope to collect dues from such men as these; yet, on the other hand, there are many men who realize that in a class meeting their right to vote is not likely to be disputed, and taking advantage of this, enjoy a right for which they are unwilling to pay. Such a condition is to be deplored, but after this notice we hope that there will be no further cause for complaint against "electioneering trickery," even though the cry does come from outside sources.

LOWELL BUILDING.

THE travelling crane in the Lowell Electrical Laboratory has been put into place; span 40 feet; capacity 20,000 pounds. It has been remarked that the men don't seem to be as interested as coming engineers should be, in the practical work of fitting up this finest of all laboratories. This week the huge compound and tandem Corliss engines will be swung on to their foundations and fitted up. This work will involve just such practice as Tech men will be expected to be proficient in when they leave the Institute, and should be carefully watched. Do not wait until the laboratory is finished before inspecting it, but follow it closely in its process of completion.

Class Day Officers.

The election of the 1903 Class Day officers occurred last Saturday with the following results: First marshal, Horace S. Baker, I.; second marshal, Howard S. Morse, I.; third marshal, Paul R. Parker, XIII.; orator, Richard C. Tolman, X.; statistician, John F. Ancona, II.; poet, George H. Clark, VI.; prophet, Walter M. Drury, III., and historian, Galen M. Harris, II.

The fifteen members of the Class Day Committee elected from the class at large are: L. H. Underwood, III., chairman; L. W. Adams, II., H. S. Baker, I., J. T. Cheney, II., H. Crosby, XIII., W. M. Drury, III., G. M. Harris, II., L. H. Lee, VI., H. S. Morse, I., R. R. Newman, I., R. H. Nutter, II., P. R. Parker, XIII., G. B. Lyons, II., G. W. Swett, II., and G. B. Wood, II.

New England College News.

The annual indoor meet (scratch) of the Dartmouth Athletic Association was held on the afternoon of March 21. The events, winners and records were as follows:

- Half-mile run — Lewis, '03; time — 2 m. 7 3-5 sec.
- 40-yard dash — Warner, '03; time — 4 3-5 sec.
- Low hurdles, 50 yards — Bullock, '04; time — 6 4-5 sec.
- 15-yard dash — Patteson, '05; time — 2 2-5 sec.
- Running high jump — Griffin, '05; height — 5 feet 5 1-2 in.
- Potato race — McCullar, '06; time — 35 2-5 sec.
- Shot-put — Myers, '06; distance — 38 ft. 5 in.
- Mile run — Campbell, '05; time — 5 m. 2 sec.

After the trials in the shot-put, Lindsay, '06, beat the college record by one inch.

Bowdoin held its eighth Indoor Athletic Meet March 20. The first places in some of the various events were as follows:

- 20-yard dash, Jenks, '06, time, 3 seconds; putting 16-pound shot, Hatch, '05, distance, 33 ft. 9 in.; running high jump, Clark, '04, height, 5 ft. 2 in.; 25-yard hurdles, Rowe, '04, time, 4 seconds; pole-vault, Munro, '03, height, 9 ft. 2 in.

Tech Show.

The date of the Tech Show, "A Scientific King," is now only four weeks away. Yet, it is safe to say that every man is looking forward to it with the greatest interest. Rehearsals continue to be very satisfactory and smooth. It is interesting to note that forty-one men tried unsuccessfully for places. This weeding-out process insures a performance which will have only the best men in the cast. The management wishes to announce to members of the Show that wigs will be measured on Saturday, April 4, at Slattery's, 227 Tremont Street, between 1 and 6 o'clock. Mrs. Walker will be there and will expect every man to be present without fail, as it is important that this matter should be arranged early.

Tech Show Tickets.

The application blanks for seats for the Tech Show have been sent out, and applications should be filed at 8.30 Saturday morning, April 4, opposite the "Cage" in Rogers corridor. As has been the custom, seats will be assigned strictly upon the order of application, only one blank being received from any one person.

The management is attempting to solve the difficult problem of giving every man an equal chance of obtaining good seats for the Friday performance, by limiting the number of seats on one application to eight. This is by no means intended to discourage fraternities or clubs from attending in a body, as a means is provided by which persons desiring a block of seats together may obtain more than eight seats on one application. The limit is placed merely to choke off speculation and to place every man on an equal footing.

The prices for the Friday performance are the same as last year, namely, from two dollars down. Those for the Tuesday performance are raised to a dollar and a half for the orchestra seats instead of a dollar, which was the highest price last year.

Cross-country Association.

The Hare and Hounds run, scheduled for Wellesley on March 21, had to be postponed on account of the rain, but another will be arranged for there later.

The run last Saturday at Winchester was one of the best of the season, although there were only eight men there to enjoy it. The trail, about six miles in length, led through good country, much of it open, there was no time lost on blinds, nor were any shins scratched on briars,—an almost unheard of occurrence. It is intended to have the rest of the runs this year as nearly like it in these respects as possible. A. M. Holcombe, '04, and F. E. Drake, '05, were the hares. G. A. Casey, '05, led the hounds at the finish, though the bunch was well together. The time for the hares was 1 hour, 13 minutes, while the hounds were out only ten minutes longer.

1902 Meetings.

As there are so many of the Class of 1902 in and around Boston, the officers thought it would be wise to hold frequent inexpensive meetings. The first of these informal affairs will be a "smoker" at the Tech Union, Garrison Street, on Friday evening, April 10, at 8 P.M.

Freshman Baseball Schedule.

Manager Redding of the 1906 baseball team announces the following schedule of games:

- APRIL 15.—Boston Latin at Franklin Field.
- APRIL 17.—Mechanics Art at Charles River Park.
- APRIL 22.—Bates 'Varsity at Boston American Grounds.
- APRIL 29.—South Boston High.
- MAY 1.—Harvard Freshmen at Cambridge.
- MAY 6.—Natick High at Natick.
- MAY 9.—First Game with Sophomores.
- MAY 13.—Second Game with Sophomores.
- MAY 16.—Final Game with Sophomores (in case of tie.)

Electrical Engineering Society.

The Electrical Engineering Society and the American Institute of Electrical Engineers held their second joint meeting last Thursday at the union, with Dr. Louis Duncan presiding. The first business was the election of the officers of these joint meetings, which resulted as follows: Chairman, Mr. C. L. Edgar, 70 State Street, Boston; secretary, Mr. R. W. Eaton, '03; Executive Committee, C. L. Edgar, J. W. Welsh, Dr. Louis Duncan, Dr. A. E. Kennelly and Charles Burleigh.

Mr. James F. McElroy, consulting engineer with the Consolidated Car Heating Company presented a paper on a new system of axle lighting, a recent invention of his own. The system seems to be exceedingly good, having a number of unique points. Unfortunately there were no advance copies of the paper. Mr. J. W. Welsh, '03, and Mr. C. H. Porter, '03, gave abstracts of papers by Messrs. Farnworth and Bliss, presenting two other systems. These were followed by a general discussion, and finally by refreshments.

There were not enough advance copies of Mr. Bliss' paper to supply every one, but those interested in further study of the system will find an excellent description in the *Electrical Reviews* of March 7 and March 14, 1903.

Naval Architectural Society.

The March "smoker" of the society was held at the Tech Union, March 25. The purchase of a gift to the union was authorized, and a committee appointed to provide for the annual dinner. Mr. Roberts spoke of his visit to the East Boston tunnel, and Mr. Steinrok made a few remarks about his experience in the employ of government. The remainder of the evening was given to music and a good time generally.

Theses of Course III.

Effect of heat treatment on the microstructure and tensile strength of brass, by R. D. Babson and H. W. Buhler.

The stamp milling of a gold ore from Colorado, by A. F. Bennett and R. Livermore.

Concentration of a lot of galena ore from the Central Lead Company, Missouri, by W. L. Cook and W. M. Drury.

Heat treatment of gray iron used for car wheels, by D. Copeland and E. G. Goodwin.

The lixiviation of a low grade copper ore, by W. S. Craven and F. A. Sherman.

Washing of fire clay, by M. C. Dunham.

Experimental study of a pulsator working on Capleton pyrite ore, by A. H. Eustis.

Determination of cuprous oxide analytically and micrographically on large scale copper samples, by C. F. Green and R. B. Yerxa.

The stamp milling of a gold ore from Nova Scotia, by A. Healy and L. H. Underwood.

On the nature of various amalgams, by J. D. Ireland.

The concentration of a second lot of galena ore of the Central Lead Company, Missouri, by J. R. Jones and R. F. Manahan.

Coagulation of shins by electrolytes, by R. J. King and C. A. Schmidt.

Concentration of a Leadville sulphide ore, by E. W. Knight.

The method of assaying zinc box precipitates, by F. D. Kehew.

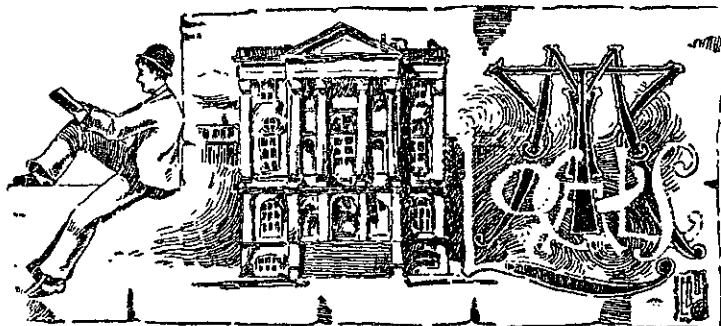
Smelting of a copper ore, by H. R. Low.

Roasting and magnetic concentration of a pyrite blende ore from Missouri, by H. L. Norton.

Concentration of a blende fluorite ore from Kentucky, by F. D. G. Rathbun.

"O my, U R A J," said she,
 "But Y U R is plain to C."
 Said he, "Although A J I B,
 I'm not A J like you, by G."

— *Harvard Lampoon.*



Mr. Miguel Ahumada, Jr., 1906, has been elected to the business staff of THE TECH.

First year students are asked to call at the Registrar's Office for their elective note-books.

All voluntary subscriptions to the Freshman baseball team should be paid by Monday, April 6.

The Student Dinner at Tech Union next Saturday will be Senior's Night. The hour has been changed to 6.45 P.M.

The *Electrical Review* of March 14, 1902, contains an interesting article opposing municipal ownership of electric lighting plants.

The big tank-like structure being erected behind the engineering building is a condenser for the large Corliss engines in the Lowell Laboratory.

Photos were taken of the ballet at the rehearsal last Friday. These photos show the men in their shirt sleeves, and they will appear shortly in the newspapers.

At a meeting of the Executive Committee of the M. I. T. A. A., held last Thursday, Mr. T. E. Jewett, '05, was elected undergraduate member of the Advisory Council.

The Sewage Station for experiments on disposal of sewage will be erected on the corner of Albany street and Massachusetts avenue, instead of on Garrison street.

At the Chess meeting last Saturday afternoon it was decided, on account of lack of funds, not to play Williams this year. In the tournament it developed that the club had a star player in W. Lourie.

Mr. Selskar Gunn, who left the Institute at the beginning of the term, is now assistant business manager of a theatrical company in England. He intends to visit Boston with his company some time during the present year.

All students who were examined last fall will please make an appointment for a second physical examination during the month of April. After April 1, regular Class work in the Gymnasium will be discontinued. Informal work, such as games and some general exercises, will go on so long as sufficient numbers warrant it.

On Thursday, March 19, the classes in forging took their regular trip to the forges of the city under the direction of Mr. Lambirth. The party first visited the Lockwood machine shop, where the foreman of the works showed the men the entire process of converting the scrap iron into finished car axles. Finally the East Boston forge was visited and the party broke up after a very enjoyable and instructive afternoon. Many thanks are due Mr. Lambirth for the success and pleasure of the trip.

The speaker at the student meeting next Tuesday, Mr. Robert E. Lewis, deserves more than ordinary attention as the founder of an organized Y. M. C. A. at Tech. This was done in the early years of his work, when he occupied the position of College Secretary for Boston. His life has since been given up to missionary work. At present he is the General Secretary of the Shanghai Y. M. C. A. where he has created a noteworthy missionary spirit. Mr. Lewis will be in Boston for two or three days.



Those who have enjoyed as Mrs. Fiske's chief charm her vivacity, her quick sympathy, and her simple intensity of emotion, her very modern and realistic power, approach her *Mary of Magdala* with doubts, and are difficult to convince. A Biblical play, providing her a pious foreign and ancient part, seems less likely to do her justice than would even a poor modern play; she is better suited to lively, delicate comedy than to romantic tragedy, and better suited to modern than to historical tragedy, to *A Doll's House* than to *Mary of Magdala*.

This preconception the play quite fails to remove. The drama is a free adaptation of the gospel story, reverent enough not to present the person of Jesus on the stage, interesting as a picture of life in Jerusalem at that period, and beautifully staged. The text, none too easy blank verse, has no particular beauty of phrasing: the plot is rather desultory and leisurely, and the characters — with the exception of Judas — commonplace. Judas is quite transformed from the thief the gospel accuses him of being, into a truly heroic and easily pardonable person, so that he becomes, much more truly than Satan in *Paradise Lost*, hero of the story in which he is traditionally villain.

Probably Mr. Powers' acting gives the part exceptional prominence, for he is very easily the best of the players. What tragic heights he might have risen to, the playwright prevents our knowing, by drowning out Judas' last words in the most vociferous of thunderstorms, and leaving him in total darkness, with no opportunity for gesture or expression. The company, as a whole, is no better than fair, noticeably inferior to the extraordinary troupe Mrs. Fiske had so thoroughly trained last year. Mrs. Fiske herself probably could not be really poor, but her part limits her to her more ordinary capacities. She is unaffected and occasionally touching, often personally beautiful in pose, costume and expression; but her voice is excessively harsh and forced, and the whole part — in comparison with what she has done and, another season, we may hope, will do again — is of negative, not of positive merit, and rather reverently ineffective.

Theatregoer.

CALENDAR.

THURSDAY, APRIL 2.

- 4.10 P.M. Y. M. C. A. MEETING in Room 11, Pierce Building. Rev. Samuel Loomis of the Union Church will be the speaker.
- 4.15 P.M. TECH SHOW REHEARSAL, for Chorus at Tech Union.

FRIDAY, APRIL 3.

- 4.15 P.M. TECH SHOW REHEARSAL for Ballet at Tech Union.
- 6.45 P.M. WALKER CLUB DINNER at Tech Union. Dean Burton will give stories of travels in Europe illustrated by sketches.

SATURDAY, APRIL 4.

- 2.30 P.M. CHESS CLUB at Tech Union.
- 6.45 P.M. STUDENT DINNER at Tech Union. Senior Night.
- Members of Tech Show have wigs measured at 227 Tremont St.

MONDAY, APRIL 6.

- 4 P.M. FIRST PRACTICE of 1906 Base Ball Candidates.
- 4.15 P.M. TECH SHOW REHEARSAL for Chorus at Tech Union.
- 7 P.M. CLASS IN TELEPHONING, ENGINEERING meet on Roger's steps.

TUESDAY, APRIL 7.

- 4.10 P.M. Y. M. C. A. MEETING in Room 11, Pierce Building. Mr. Robert E. Lewis of the Shanghai Y. M. C. A. will speak.
- 4.15 P.M. TECH SHOW REHEARSAL for Ballet at Tech Union.

WEDNESDAY, APRIL 8.

- 4.15 P.M. TECH SHOW REHEARSAL for Principals at Tech Union.

THURSDAY, APRIL 9.

- 4.15 P.M. TECH SHOW REHEARSAL, for Chorus at Tech Union.

FRIDAY, APRIL 10.

- 4.15 P.M. TECH SHOW REHEARSAL, for Ballet at Tech Union.
- 8 P.M. 1902 SMOKER at Tech Union.



The Northwestern Association is to hold their next few meetings at various clubs throughout Chicago, instead of at the "Bismark" or "The Union," as formerly. This is somewhat of an experiment, but one can be sure of a good time wherever the meetings are held.

Probably few Tech men are aware of the important influence which several '89 men are having upon the construction and design of the most important United States government buildings. No less than three '89 men are holding important positions in the office of the supervising architect of the treasury department and one of them is second in position to the supervising architect himself.

'90. Gardner T. Voorhees, II., has been appointed consulting refrigerating engineer in connection with the refrigerating exhibit of the St. Louis World's Fair.

'93. Kilburn S. Sweet (1), Instructor in Civil Engineering, is giving this year's course in surveying at the Boston Young Men's Christian Association evening school.

'97. A. L. Parsons, I., recently passed the examination for Civil Engineers of the navy, and has been confirmed by the Senate. This will give him the rank of Lieutenant.

'98. The firm of Putnam and Cox, architects, both members of which are graduates of the Institute, has won the competition for the Boston Athenæum, defeating a number of the most distinguished architects in the country.

The class of '98 will hold its quinquennial reunion on June 8. After a dinner the class will attend the commencement in a body.

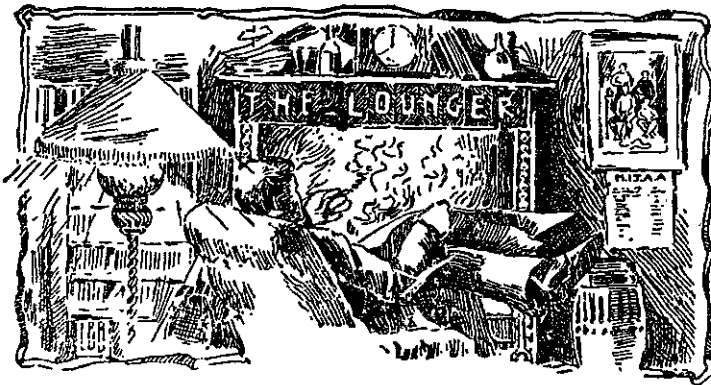
'00. E. E. Bugbee, III., for the past two years assistant in Mining Engineering and Metallurgy at the Institute, has left to take a position with the United States Census Bureau, and is at present located at San Francisco.

Chemical Society Smoker.

The third "smoker" of the Chemical Society was held at Tech Union, Monday night, Dr. Thorpe and Mr. A. D. Smith, '04, being the speakers of the evening. Mr. Smith's talk on the manufacture of porcelain and porcelain vessels was instructive and particularly interesting as being the first of the papers by student members of the Society. Refreshments in the usual form were served and Dr. Thorpe gave some wholesome advice to men about to go out into the world in search of a living. He suggested that it would be well for a man to try his hand at more than one business before settling down. In that he advised men who might be engaged, to go to work at some distance from the home of his fiancée, he showed a lack of belief in President Eliot's theory. Dr. Norris added a few words of advice to Dr. Thorpe's, and the men finished the evening in a social good time.

Student Dinner.

There were thirty-nine men present at the Student Dinner last Saturday evening. H. Dougherty, '04, presided. A large '04 contingent who had been spending the afternoon at a "Heathen Party" came in at the last moment and kept the air full of yells for '04 and '06. J. P. Barnes, '05, upon being asked for a toast, responded with a witty sally, freeing his class from "all implication in the rough-house" and yet appeasing the desires of the chairman. The crowd broke up rather earlier than usual.



THE LOUNGER once stopped outside a fire-engine house while the alarm was sounding. He enjoyed watching the horses run out and, like "Helen's Babies," loved to "see the wheels go 'round." But nothing impressed him so firmly as the long brass pole by which the entire crew descended from their abode above. "Slip! Biff!" and all is over. A slip and a biff for each man, you understand. Perhaps nothing so very impressive at first sight, but when it is remembered that THE LOUNGER works up in 50 Eng. A., you will understand how his delicate brain was affected by the scene. He thinks he will put a brass pole in that classic bit of architecture. What a cinch! Of course we — THE LOUNGER will not allow the Editor alone to use that kingly "we" — do not object to ascending four flights of stairs, for then he — that is, we — are spurred on by thoughts of all the delight that is awaiting above, but it is when he has to climb down those stairs with nothing but a dinner before him that he wishes for something to hasten his lagging footsteps, it is then that he says, with the poet, "Oh! wottell!" This will now be obviated. Perhaps the fall would be too great and the coefficient of friction too high; well, let the janitors spend some of the energy wasted in washing blackboards in greasing poles — but what would mamma say when she sees her little boy's panties after a few down trips? What would the coefficient of friction be in *that* case? But this is another idle dream, but it might be a fit climax to the policy of expansion which our Bursar started when the board walk happened.



THE LOUNGER's chauffeur had struck, had gone, vamoosed, scooted, and THE LOUNGER's auto was left in his own care. On the first trip, the untutored LOUNGER ran his Salmon Pink Devil into a nice soft stone wall, tipped himself out, landed on his head and then his hasheesh dream began.

He dreamed that he was a hundred years older and had picked up the advertising portion of one of the great dailies of Boston. He read:

A nice new Dedion-Bouton auto will be given to any bright boy or girl who will sell ten of our beautiful scarf pins to his or her friends. Send the dollar

when you have sold the pins and we will send the premium.

For Exchange: An automobile. Will exchange for a meal ticket or anything useful.

Prize Guessing Contest! Guess the number of glasses of beer in the keg at Baynes.

First prize, a real bisque doll. Says "mamma" and "papa" and opens and shuts its eyes.

Second prize, a Winton tonneau.

Third prize, a subscription to "The Fireside Companion."

"I guess we can pull him through," interrupted the doctor.

At the last business meeting of the Architectural Society, Mr. J. R. Adams spoke on "The Evolution of the Student in Architecture during his Sophomore, Junior and Senior Years." Mr. Adams developed his subject along the lines of general culture, and substantiated his remarks by means of statistics, which he had himself compiled.

Try it Fast.

There was a young fellow named Tate,
Who dined with his girl at 8.08;

As Tate did not state,

I cannot relate

What Tate at his tete-a-tete ate at 8.08.

Ex.

There was a young fellow named Hyde,
Who once at a funeral was spied;

When asked who was dead,

He just giggled and said,

"I don't know, I just came for the ride."

Ex.

There was a man who spent his time

In wide experimenting;

Who had a turn for chemicals

And general inventing.

One day he made a wondrous find;

His brain with joy was reeling,

But, ah, he left no notes behind!

He's frescoed on the ceiling.

— *Baltimore News.*