The Olympic quartet, composed of Messrs. Simmons, Patrarch, L. B. B. and J. C. Warren, m. p., gave a repetition of "Admiral," and also responded to an en-
core.

The College Paper, full of witty med­ieval and modern thoughts, was pre­sented by the editor, Miss Trissie Bril­lante, '87, representing the Greek society.

After a closing selection of music by the Heperian orchestra, many of those present remained for an hour of danc­ing.

Passing among some bushes border­ing on a woods one day in autumn, my feet were suddenly enveloped in a dense cloud of brownish smoke. The source of this smudge was easily dis­covered. I had stepped on a puffball. A little search revealed a number of these amusable fungi seated in the dry grass; tiny chimney smokers indeed! And how the average small boy would have tested their ability to smoke by treat­ing one of these on the point of a stick. These specimens, however, were carefully collected and, later, identified as the elongated puffball (Lycoperdon elongatum).

"But why do they puff, and what is this smoky substance which so readily escapes?" asked a friend, which some may ask. A careful study of one of these specimens, together with a little of its life history, will explain it.

The young puffball, which appears so suddenly after a summer rain, is as white as flour inside and of about the same consistency of a homemade cheese. It is at this period of its ex­istence that the fungus epicure delights in recovering the work of the Creator. Finding them, he will at once make the necessary position for the distribution of the spores through the little opening at the top of the puffball. The puffball, the largest of its family, is a veritable fungus football, furnishing young men, and even young gals, a ball that can be attacked from the rear, who could resist the impulse to kick a puffball larger than a football. There are few places more delightful than the woods for puffball hunting. The vast number of spores that one of these huge puffballs can furnish almost de­fies computation. The coatings, which are like white kid leather when young, soon become brittle and flake off, ex­posing the capillitium and spores to the wind. Other very interesting members of the puffball family might be described had space permitted. As a whole, they seem to be constructed to take advan­tage of those peculiar tendencies of the human race which take delight in finding new positions, and it really seems as though the puffball will furnish a smudge; but instead of being destroyed, their ends are only fur thered when buffeted by the winds or spurred by the foot of man.

Special Notice.

Seminars having engine conditions too extreme for regular examinations in Geography and Spelling will be held this week from 7 till 9 p.m. in the Zoological lecture-room, on the corner of Washington and Michigan roads.

WALTER B. BARROWS,
Chairman, Committee on Entrance Examinations.
Inertia Effect of the Reciprocating Parts of High-Speed Engines.

Arthur L. Westcott.

In designing the reciprocating parts of high-speed engines, it is the practice of most engine builders to take advantage of the inertia of the reciprocating parts to accelerate those parts, and of the effect of this force in modifying the diagram of the forward pressure. Most engineers consider that weight of parts be best, which gives the most uniform pressure upon the crank-pin. In a recent communication to the "American Machinist," however, a writer for that paper says:

"The pounding is produced by stopping the pressure, however heavy it may be. The pounding is produced by reversing the slack, and if this is done by a heavy pressure, abruptly applied abruptly stop and be succeeded by a similar pressure in the opposite direction, beginning as before at nothing. Pounding cannot be produced by stopping the pressure; however heavy it may be. The pounding is produced by reversing the slack, and if this is done by a heavy pressure, abruptly applied..."

The average value of acceleration force to the initial steam pressure, or 100 lbs. per square inch, is 1,083 lbs. This for cut-off the heavier weight shows a positive forward pressure at the beginning of the stroke of 30 lbs. instead of 325 lbs. An inspection of these diagrams shows that the forward pressure reduces to zero at A owing to compression, and that after the reversion of the stroke there is an increase of pressure in the opposite direction, which equals 325 lbs. at the end of the stroke if the valve has lead. The reversal of pressure takes place, not at the end of the stroke, but just previous to it, A, and the pressure in the opposite direction is not applied instantaneously, but gradually, the distance B corresponding to a movement of the crank of 38 degrees for the forward stroke and 27 degrees for the return stroke. The broken lines show the distribution of pressures corresponding to...

Fig. 3 shows the same diagram as Figs. 1 and 2, but with a mean accelerating force at the beginning of the stroke of 30 lbs. instead of 100 lbs., giving a total weight of parts of 325 lbs. An inspection of these diagrams shows that the forward pressure reduces to zero at A owing to compression, and that after the reversion of the stroke there is an increase of pressure in the opposite direction, which equals 325 lbs. at the end of the stroke if the valve has lead. The reversal of pressure takes place, not at the end of the stroke, but just previous to it, A, and the pressure in the opposite direction is not applied instantaneously, but gradually, the distance B corresponding to a movement of the crank of 38 degrees for the forward stroke and 27 degrees for the return stroke. The broken lines show the distribution of pressures corresponding to...
AN OPEN LETTER.

To Whom It May Concern:

We want to call the especial attention of all our alumni and former students who are receiving this issue of the "Record", but who have not subscribed for the paper, to the fact that they are missing half of life in not keeping up with the doings at old M. A. C.

It may be news to some that the "M. A. C. Record" is a weekly paper, published by the College faculty with the co-operation of the students, designed to record the real life of the College. It is published for 40 weeks during the school year.

This copy, which is a fair sample perhaps, will give you an idea of the value of the paper to anyone who is interested in the life at M. A. C. It is a paper that does not take the place of any other farm paper, but it has a unique position of its own to fill.

The College has taken so many advanced steps recently that no friend of the College, much less anyone who has ever been a student here, can afford to be without the "Record".

We have at present a fairly good subscription list, but it is not nearly so large as it ought to be. The price is 50c. per year, which brings it, even in these hard times, within the reach of everybody.

We want to appeal not only to your sense of the value you will get from the paper, but also to your M. A. C. patriotism, which we hope is as green as ever. The only way to keep in touch with the College is to know what is going on there. We hope you can see your way clear to subscribe at once.

Send subscription by money order to Secretary, Agricultural College.

Yours fraternally,

THE "RECORD."
News from Graduates and Students.
E. C. Peters, '93, will attend the alumni reunion.
C. A. Jewell, Jr., '96, will attend the Alumni reunion.
H. B. Gunison, with '90s, visited at M. A. C. last week.
T. Miller, with '90, and wife will attend the triennial reunion.
Harry Haak, with '94s, is running a lumber yard in Battle Creek.
O. H. Pageham, '95, will enter the Rush Medical College next fall.
It is reported that E. N. Thayer, '94s, is working for the Evening News company in Detroit.
H. Z. Ward, '90, and H. E. Ward, '95, have both signified their intention to attend the triennial.
F. N. Bierce, Dayton, Ohio, and D. C. Grady, Lansing, Mich., both with '97s, called at M. A. C. Thursday afternoon.
Charles A. Sturges, '93, mayor of Sturges, was in Lansing last week to visit the legislature in the interest of a new charter for the city.
We notice that ten of the violators of the state game laws who were arrested by L. W. Watkins, '93, last week pleaded guilty and were fined.
There are very acute symptoms of a wedding, to take place at Colon, Mich., tomorrow, in which W. G. Smith, '93, and Miss M. Leo Brockway will be the contracting parties.
E. Carl Bank, '84, according to the State Republic, has been deposed as superintendent of the Preston School of Industry at Jone, California. Politics is given as the cause of his removal.
The '93 men will graduate from the U. of M. this year—E. M. McElroy from the literary department, C. R. Chapin from the medical department, and Joseph Perrien from the mechanical department.
H. R. Parish, '90s, has been spending several days at M. A. C. He started on May 29 for San Francisco, Cal., where he has secured a position as draftsman in the Hull department of the Union Iron Works.
James A. Wielinder, with '90s, made the college a visit last week. He expects to enter school at the beginning of next year.
William F. Pack, with '81, of Centerville, Ohio, writes: "Success to the M. A. C. Cycling Club, and to him is due most of the credit for the construction of our bicycle path.
William F. Pack, with '91, of Centerville, Ohio, recently visited the college, and is meeting with splendid success. They hope to keep him another year, and as an induction will offer a handsome increase in his salary.

Students of History.
Governor Pingree gave to the press last Thursday the following offer of prizes for historical research:

Lansing, Mich., May 30, 1897.—To the student of any college in Michigan preparing an historical paper tracing the most accurate parallel in ancient or modern history with the present social and political conditions in the United States, and giving the causes of this parallel condition, I hereby offer a prize of $25 cash.
To the second best paper, a prize of $15 cash, and to the third best paper $10 cash.
Papers must be prepared and mailed to the executive office at Lansing not later than Sept. 1, 1897.
Judges will be announced later.
H. S. Hooper, "Governor."

For Gentlemen Only.
One of the smaller New England colleges has for a janitor a colored man, who is possessed of wit. One autumn day, just after the college year had begun, when he was overseeing the burning over of a part of the campus, a freshman came along and cried: "Well, Sam, that's 'most as black as you are!"
"Yes, sah," promptly responded Sam, "and next year it will be 'most as green as you are!"—Er.

TRACER BROS.
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Will be quoted to SCHOOL... 
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FOR ANYTHING IN HARDWARE, STOVES, TINWARE, GRANITE WARE, CUTLERY, ETC.

TRAY... Norton's Hardware

Because of the exceptional number of students and faculty members who have been, and will be, present during the annual college reunion, the management of the college will endeavor to have the college paths and sidewalks in the best possible condition, and will take all necessary precautions in this respect.

The College Last.....

Bicycle Boots....

Regular Bicycle Boots made expressly for the purpose, add much to the comfort and pleasure of cycling. Owing to strong competition among manufacturers we are able to make very low prices this season.

PRICES:
Wool and Leather Boots, $3.00 to $4.00
Brown Velvets, $1.75 to $2.00
Gray Velvets, $1.75 to $2.00
Brown Leather, $2.00 to $3.00
Plain Leather, $1.00 to $2.00

Positive newness—absolute goodness—superlative beauty. Wear? Well, just try a pair. A decided change from school, polka-dotted shoes, retaining all of the long narrow effect given by the pointed last.

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