ELECTRICAL SHOW LAST WEEK.

The second annual electrical show was given in the engineering building Friday and Saturday under the direction of the students. The show, like others that have been given by other departments this year, was given partly for its educational value. A few manufacturers of electrical and mechanical apparatus sent appliances, and not only put their products before the people, but rendered aid in making the show a success.

In the electrical laboratory had been installed several pumps made by the Jarvis Brothers Co., Lansing, and a front wheel of an electric truck made by the Couple freight Car Co., of Grand Rapids. One of the pumps was mounted in connection with a tank, in which a pressure is created by forcing water into it. The air pressure acted upon a governing device in such a manner to discharge the current, thereby making the mechanism automatic.

The truck wheel contained with in it a a 5 h. p. motor, fed from the current of an 88 volt storage battery. The interesting novelty of construction was a speed reducer for line shafts. It consisted of a series of gears mounted eccentrically so that each interior gear traveled slower than the one around it. In the machine a speed ratio of 12 to 1 had been acquired. Besides the regular equipment in the engineering laboratory, the various kinds of automobile ignition could be seen.

Mr. Lodge, instructor in physics, gave demonstrations in the various effects in transmission through vacuum tubes. This was one of the most interesting features of the show.

In the physics lecture room G. A. Kroncke, Wm. May and Fred Cowlen taught Crathen had arranged a series of experiments in high tension phenomena. Among the apparatus was a Crockett Thomson coil used in illustrating the principle of induction and the opposition of two magnetic fields. By a simple coil of wire placed over the Thomson coil and directly connected with a small motor enough electromotive force was induced to run the motor.

Another experiment illustrated the principle of the wireless telegraph. The State Repeal office complained that these wireless service had been interrupted several times. The wireless station which had been installed on the third floor by the Physics department, received and broadcast messages from Detroit and other nearby cities which had been sent for the State Repeal office.

One of the most interesting experiments in induction was carried out by Mr. Lodge and Mr. Crathen when they passed enough current through their bodies to light an incandescent bulb. The Capitol Electric Co., of Lansing, had placed on exhibition several incandescent lamps. Among these were a smoothing iron, a toaster and a pint boiler.

During both days demonstrations were given in the various uses of the electric sweeper.

Prof. Sawyer failed to receive several of the displays which he had anticipated from manufacturing concerns.

THE MILITARY HOP.

The winter term Military "Hop," which was given by the officers association Saturday night, was attended by about 120 couples.

The army was decorated with flags and bunting in the college colors.

The patrons of the evening were Prof. and Mrs. Birdfeldt, Mrs. and Mr. Parker and Lieut. and Mrs. Holley.

Fischer orchestra, of Kalamazoo, furnished the music.

PROGRAM OF CONCERT FRIDAY EVENING.

M. A. C. CHORUS.

Earl G. Kline, conductor.

Mrs. R. W. Moore, soprano.

Miss Jane Barber, soprano.

Mrs. H. W. Hamilton, contralto.

Mrs. J. S. Stephens, soprano.

Mrs. J. Stephens, tenor.

Mr. R. Hamilton, tenor.

Mr. C. Parker, baritone.

Mr. A. J. Patten, bass.

Mr. R. Betz, bass.

Miss Hopkins.

Miss Bassett (Accomp. on Harp).

1. Unfoled, Ye Portals, Gemmol Chorus.

2. Water Lilies. Lilies Auxiliaries, Mr. Stephens, Mr. Parker, Mrs. Hamilton, Mr. Betz.

3. Om Aolite Song, Chandon Chorus.

(a) Yesterday and Today, Spoons.

(b) In Picnic, Footstool Miss Barber.

(c) Love in Springtime, Chorus.

(d) Sweet and Low, Chorus.

(e) Excitement, Locum Miss Barber, Mr. Hamilton, Mrs. Stephens, Mr. Patten.

(f) Misses (in Treble), Verdi Mrs. Hess, Mr. Stephens, Chorus.

(g) O Thou Time, Miss Wagner Evening Star, Wagner.

(h) Spanning the Ocean (Flying Dutchman), Wagner.

(i) Ladies' Chorus.

10. Elsea's Dream (Lobengrin), Wagner Mrs. Moore.

11. Sink and Scatter, Sullivan Chorus.

Announcement to this entertainment will be 25 cents to all, to those holding lecture tickets as well as others.

"Chant." Taylor and wife, formerly Miss Bessee McCormick, '08, visited the college Saturday.

INTER-COLLEGIATE RIFLE MATCH.

The Inter-Collegiate Championships Gallery Match of 1910 will be shot in local ranges at any time within the period between March 1 and 26. The targets to be used in the match will be issued from the office of the National Rifle Association on request of those colleges entering a team in the competition.

A noon shall consist of ten students, and they shall fire at a distance of fifty feet. Twenty shots will be fired for record, two at a time, each shot and ten shots for record at the standing and prone positions. The shooting will be done in strings of five. The entire team must shoot at the same time, the members shooting in pairs if the range facilities admit. Coaching will be allowed. Any 22 caliber rifle with sights in front of the hammer may be used.

Competitors must be in full academic standing in the undergraduate years of the college and must be taking full number of hours. Certificates must be furnished by duly authorized authority and must accompany entry. One certificate may be made for the entire team.

There will be no fee for entrance as M. A. C. belongs to the association.

The championship trophy presented by the Forest, Fish and Game Society of America will be awarded to the winning team for one year. Medals will be awarded to individual members of the winning team. The trophy will become the property of the college after having won it a third time. The trophy may cover the entire team.

GOES TO WEST POINT.

John A. Brooks, '13, who left here about the first of February to prepare for the entrance examination to West Point, has sent word to his father in Lansing that he is a successful candidate. He was recommended by Congressman Samuel Strong, '84. The pay of cadets at West Point is $700 per year.

RESULTS OF ELECTION.

The results of Saturday's election of managerships in the athletic association are as follows:

Herbert Mills, '09, Baseball.

F. H. Tillettson, '11, Track.

Ralph Chamberlain, '13, Basketball.

W. J. Spratt, '11, Tennis.

E. C. Lindemann, '11, Football.

ALUMNI.

J. E. Simonsen, '74, is a lawyer in Denver, Col. His address is 201-203 Cooper Bldg.

with '78.

G. B. Hannahs, with '78, is postmaster at San Jacinto, Calif.

E. J. Racine, '75, formerly manager of the export and import departments of the Liquid Carbonic Co. of New York, is now resides at 1410 Market St., Denver, Colo. He left New York on account of ill health, but is now getting better.

Geo. W. Grover, 'St, is a shoe retailer at San Jacinto, Cal.

A. W. Troope, 'St, is division surgeon for the St. Louis South Western Railway. He resides at Pine Bluff, Ark.

With Mr. C. A. Smith, with 'St, is chief surgeon of the St. Louis South Western Railway. He resides at Texarkana, Tex.

Frances E. West, '94, is Wright, Davis professor of chemistry, and secretary of the faculty of Alma College, which position he has held since 1902. He is now working on a problem in research at the University of Wisconsin in regard to the chemopentration of amino acids upon roots. He resides at 220 Maple avenue, Alma, Mich.

Florence Case, '16, is assistant postmaster at Berlin, Wisconsin.

C. A. Lamb, '16, has been transferred from Felsenthal, Ark., to South St., Marks, Canada. He is still with the N. E. Talbott Co., of the latter city employed in the construction of concrete foundations for additions to the Lake Superior Steel Co. The work will not be completed for at least six months.

H. A. Glazier, '94, is with the Bates & Rogers Construction Co., of Chicago. His address is 201 Union St., Ital., Ill.

Vaugn Tanner, '96, is studying for a civil service examination in forestry at Libby, Montana. In connection with this work he is teaching school as a substitute.

The New England Association of the Michigan Agricultural College Alumni held its annual banquet at the United States Hotel, Boston, Mass., on Friday evening, March 27th. Officers of the association are, L. A. Chilton, president; G. C. Sevey, secretary.
The M. A. C. RECORD.

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TUESDAY, MARCH 16, 1906

THE THIRTEENTH ANNUAL ORATORICAL CONTEST.

The judging pavilion of the new Agricultural building has proved itself to be useful in a very different way than from which it was originally intended, namely as an auditorium. Twice Friday it was filled to the point of danger, but that was inside.

The pavilion was very beautifully decorated with flags and flowers. Above the seats in the east end of the platform had been constructed and decorated with flags and flowers.

The third annual contest was held in the afternoon. There were five contestants: Grace Bollay of Ypsilanti; Laura L. Mock, of Albion; Mrs. C. N. Rigler, of Detroit; Alma; Katherine M. Hawk; Hillsdale; and Emily Gardner, Kalamazoo.

Miss Katherine M. Hawk of Hillsdale won first prize on the subject, "Our Part in World Peace." Miss S. H. Howe of Albion won first place on the subject, "The New Ideal." He started his oration with a very new and novel definition of civilization. He said, "The history of civilization is a record of the efforts of the people to get the best and the worst out of the world's struggle for existence."

The Beacon Light of Men" was the title of the sixth oration by H. A. Drake of Alma. The second prize was won by G. C. Converse of Hillsdale on "The Evolution of a Higher Patriotism." Another very patriotic discourse was given by L. Verheul of Hope on the subject, "Columbia Triumphant.

It was along these lines mainly that the discussion proceeded both in the conference and in the other two sessions held by the department of rural and agricultural education, and there was practical agreement between the details of the different papers and discussions and the essentials of the summarized statement made by the leader of the conference.

Another matter which was discussed pro and con at this conference was the establishment of special agricultural schools, but the different papers were presented at different times and places that it was difficult to get at the same sentiments and opinions. The matter was referred to the department of manual training where the question of establishing separate training schools for farmers and the President of the Oregon Agricultural College, argued against such a plan.

(Continued on page 3)
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be Sure to Look for "The Garment Label with The Big Reputation"
and you'll look for all that is high ideal in Man-Tailored garments for women.
These garments are famed for their perfect fit — remember this: The Fit stays. No finer fitting suits can be made.
We are showing many splendid new styles on our popular Cloak and Suit floor this season.
Easy-buying-prices have been placed on all our Ladies Suits, that
preach an eloquent sermon on money-saving opportunities for you.

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About the Campus

Mr. W. H. Eastman, of Grand Rapids, will speak at the University church Sunday evening at 7:30 on the origin of the great lakes. His lecture will be illustrated with lantern slides belonging to Prof. Pierson of the University of Wisconsin.

Prof. S. C. Hadden, who withdrew from the civil engineering department last year to take up practical engineering, is now western representative for the firm of Lewis & Kitchen, engineers and contractors. The main office of the firm is in Chicago, but Mr. Hadden is established in Kansas City, Mo.

The farm mechanics laboratory with H. H. Musselman in charge is now completely installed on the first floor of the new agricultural building. The equipment consists of nearly every kind of farming implements, various makes of steam and gasoline engines besides many other handy appliances. One of the newest of these is a Parker governor pulley for cream separators.

The Lansing Business Men's Association has accepted and paid for the repairs to the Lansing road which was built by a Cincinnati firm last fall. The road is in good shape and the company has guaranteed to keep it in repairs for 18 months. The association paid but $1,500 for the work, although the company is said to have expended about $6,000 in the demonstration of its work.

Horticultural Club.

The last meeting of the Hort. Club was addressed by one of its own members, Mr. J. G. France, on "Carnation Breeding." Mr. France is a member of the class of 1911 and a very careful observer of plants. In addition to this he has had a large experience in the M. A. C. greenhouses.

The varieties of carnations keep running out and the florist must keep constantly breeding new ones. Besides, there is not a good white or dark red variety on the market today. Realizing these conditions, members of the Hort. class of 1911 started the crossing of the varieties in our greenhouses and the breeding of the progeny. Since that time Mr. France has continued the work.

He told us in an interesting way of the way in which he has done this and the results he has obtained. To make it more interesting he brought over a number of flowers to illustrate the different crosses.

After the talk a pleasant social time was enjoyed and Battle Green apples served.

Dr. Beal returned last week from a few days' visit with Chicago Alumni. About eighty M. A. C. men and women gathered at Lewis Institute and enjoyed a real good time. Dr. Beal, Dean Bissell, Prof. Keeley, and Mr. and Mrs. Ray Stannard Baker were present from here.

Some Alumni on Agricultural High School

(Continued from page 3.)

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of educational thought or endeavor.

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ministrative affairs of education,
reference to their relations to exist­
SOME ALUMNI ON AGRICULTUR­
ation is made in such departments as
of the subjects included in the new
Under the new arrangement there
conflicting programmes. This new
harmonize and correlate work which
recognized will have a tendency to
than real.

Mr. Johnson, tell this board how.
Now, look yere, boss, you done
Never mind that, Mr. Johnson.
You were born in Macion. Now,
tell this board how many miles it is from the earth to
Huh, boss, I can't tell dat, and
I goin' to quit dis yere right now.
You can't put me on no such run
Saturday Evening Post.

The wise man

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