

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 9.

LANSING, MICHIGAN, TUESDAY, JAN. 19, 1904.

No. 17

NOTICE.

The first military hop of this term will be given Jan. 29. Prices will be for uniformed cadets 75 cents, nonuniformed \$1.25.

NOTICE.

The students of the music department will give a musical in the Women's building on Friday evening at 7:30. Students and teachers are invited to attend. The new Grand piano will be used. An interesting evening is in store for all who attend.

FOUND.

A pair of gloves were found in the drawing room. Owner can call for same at Prof. Holdsworth's office.

LOST.

A gold ring was lost between the mechanical building and Abbot Hall. Finder will please leave it at the Secretary's office. It is needless to add that gold rings are usually of such a nature as to be exceedingly precious.

Y. M. C. A.

Mr. R. F. Bell conducted the Thursday evening meeting of the Y. M. C. A. Subject, "Exhortation to Earnestness." The change in plan of conducting the Thursday evening meetings proved a success and will be continued for further trial. Come out next Thursday evening and let us know how you like the change.

Rev. W. H. Pound of Lansing, conducted chapel services Sunday morning. Text: "He that is slow to anger is better than the mighty; and he that ruleth his spirit than he that taketh a city." Prov. 16: 32. Mr. Pound's theme was, "The dominant forces in our lives." The discourse was very interesting and suggestive and contained many valuable things which if heeded would result in great benefit to all. The services were well attended.

Mr. French, deputy superintendent of public instruction, spoke in chapel Sunday evening to a large audience of attentive students, faculty and others. Mr. French's theme was, "The development of truth in the lives of men and women." The address was very valuable as well as interesting. All present enjoyed the service very much.

The chapel was filled to its capacity the same that it was last Sunday evening.

The Physical laboratory has been painted and calcimined. A partition has been removed and thus room has been made for a dynamo. New blackboards have been put in the lecture and laboratory rooms.

ATHLETICS.

About 50 are enrolled for track practice. An inter-class meet will be held on Jan. 30. A dual meet between the Freshmen and Sub-freshmen on one side and the Sophomores on the other will be held in February. M. A. C. will contest with Alma at the latter place about Feb. 20. Albion will come here the first week in March.

All baseball men are at work. The prospects are unusually bright. The interest is strong and about 45 are hard at it.

Thirty-five are enrolled for wrestling. A mid-winter meet will be held in which the college champion will be decided in each weight for one year. The work this term is principally for new men.

A gymnasium class has been organized. The work is specially designed for those who do not engage in any definite branch of athletics. The class is very large and meets from 4 to 5 on Monday's and from 1 to 2 on Saturday's. Students and members of the teaching force are invited to join.

In all about 300 young men are doing some sort of systematic work in physical exercise.

HORTICULTURAL CLUB.

Last Wednesday evening the members and visitors of the Horticultural Club enjoyed a very interesting talk on Apple Culture in New York state by Mr. H. J. Eustace. He spoke of leading apple growing districts of the state and the care the New Yorkers give their orchards, making special reference to their success in spraying, and the benefits they derive by being members of the State Fruit Growers' Association.

A short time was spent in questions and discussions on varieties of apples, which was made more interesting by the distribution of a basket of Swaar apples by Prof. U. P. Hedrick.

Instructor Thomas Gunson gave a short talk on Markets. He spoke of a 16-acre apple orchard in Allegan county, which netted its owner a profit of \$5,000 the past year. He also referred to the transportation difficulties.

The club meets again next Wednesday evening at 6:30, at which time G. M. Bradford will talk on horticulture in Illinois.

All who are interested in horticulture are urged to attend.

BASKET BALL.

The Alma College team will be here next Saturday to play a game of basket ball with M. A. C. The game will be played in the afternoon at 2:30 or 3. Further announcements will be made. M. A. C. has greatly improved and will put up an excellent game.

A new induction coil has been purchased by the department of physics.

FARMER'S CLUB.

The first meeting of the Farmer's Club for the term was held last Wednesday evening and was called to order by Pres. Charles Taylor.

Two very interesting papers were read by Messrs. Geo. MacMullen and L. F. Bird. Mr. MacMullen's paper consisted of a discussion of the different kinds of power used on the farm, treating them in the following order: Horse power, sweep power, tread power, plain portable engine, traction engine, electric motor, wind-mill, power mill and gasoline engine. An interesting discussion followed in which a majority seemed to prefer gasoline engines.

Mr. Bird's paper consisted of a discussion of Swine feeding. Among the numerous topics touched upon in this paper was the value of charcoal for swine, a comparison of cooked food with uncooked in which case Mr. Bird was in favor of cooked food. He also spoke of the value of succulent food along with corn for swine, and the importance of keeping the animal steadily growing from birth until the fattening period. The discussion which followed brought out many other points along the swine feeding line.

For the benefit of the short course students primarily, it was decided to hold a special meeting every other Wednesday evening alternating with the regular meetings. The question box will be the important feature of next Wednesday evening's program. All are invited to attend.

Y. W. C. A.

The Thursday evening Y. W. C. A. was a praise service, conducted by Miss Alida Alexander. The scripture lesson was the 105th Psalm. Songs of praise were sung, and favorite praise quotations from the Bible were given by members.

'86.

P. G. Holden will have charge of Agronomy in the correspondence college for agriculture organized at Sioux City, Iowa. Prof. Holden will retain his position at Ames, Iowa.

'94.

Frank R. Poss now resides in Detroit. He is manager for a lumber firm and is working in the Georgian Bay region.

'95.

James S. Mitchell visited at M. A. C. over Sunday. He looks well and appears as strong as ever. Farm life seems to agree with him.

C. H. Alvord recently conducted successful Farmers' Institutes in the Thumb of Michigan. Mr. Alvord is a practical farmer and also understands the scientific principles involved in the culture of the soil.

With '01.

Robert Carr is drafting for a firm in Pittsburg. He has had steady employment and substantial advancement.

ALUMNI.

'63.

An old-time surveyor is Frank Hodgman of Climax, secretary of the Michigan Engineering society. Not only that, but Mr. Hodgman is an authority recognized throughout the land on matters of land surveying and their connection with the legal problems. Mr. Hodgman, still active at sixty-four, was for twenty-five years county surveyor of Kalamazoo county, but during that time traveled almost the length and breadth of the country in matters in which his great skill was demanded. Failing health compelled him to retire from field work, and lately he has been engaged in the publication of valuable books on subjects which he so thoroughly understands. As usual, yesterday he gave the report of his committee on land surveying, a subject to which much of the afternoon was devoted.—*State Republican*.

With '66.

After an illness, lasting for more than three years, John I. Christopher died at his home, 434 Willow st. w., Sunday morning at 4:30 o'clock, January 10.

One thing which impressed itself upon the minds of his family is the fact that just fourteen years ago yesterday one of his brothers died and six years ago the 9th of this month, his daughter, Belle, was taken away.

Mr. Christopher was born in South Lyons, April 21, 1843. He enlisted in 1864 and served until the close of the war as a musician in the Twenty-seventh Michigan. At the close of the war he returned to Lansing where he started in the grocery business with his brother, George, in 1867. In 1868 he married Miss Mary Woodworth of Caseville, Mich. After six years in the grocery business, he accepted a clerkship in the auditor general's office, which he held for some time. In 1887 he was elected city auditor, and served two years. This ended his active work. He was for many years a member of the band, a member of Franklin ave. Presbyterian church and also of Charles T. Foster post 42. He is survived by a widow and four children, Gage, of Los Angeles, and Frank, Bernice and Alice, of this city. He also has four brothers and one sister living, George W. and Charles of this city, Reuben and Datus of Delta, and Mrs. Elmira Updyke of Sault Ste. Marie. The funeral was held from his residence on Willow st. at 1 o'clock Tuesday afternoon. Rev. Thomas officiated and the interment was at Mount Hope.

With '94.

Ralph Haskin is a machinist in the Olds Gasoline Engine Works in Lansing. Mr. and Mrs. Haskins have two children and a pleasant home. Mr. Haskins will be remembered by many M. A. C. people on account of his fast work on the track during the Field-day of '91 when M. A. C. took nearly every medal that was given.

THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE
COLLEGE YEAR BY THE
MICHIGAN STATE AGRICULTURAL COLLEGE

EDITORS.

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Subscription, 50 cents per year.

Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

Address all subscriptions and advertising matter to the College Secretary, Agricultural College, Mich. Address all contributions to the Managing Editor.

Business Office with Lawrence & Van Buren Printing Co., 122 Ottawa St. E., Lansing, Mich. Entered as second-class mail matter, Lansing, Mich.

This paper is occasionally sent to non subscribers. Such persons need have no hesitation about taking the paper from the post-office, for no charge will be made for it. The only way, however, to secure the paper regularly is to subscribe.

TUESDAY, JAN. 19, 1904.

ALUMNI.

'70.

At the recent meeting of the finance committee of the Grand Rapids Park and Boulevard association the Hon. Charles W. Garfield, who is a most enthusiastic advocate of the outdoor beautiful, was one of the speakers. In part he said:

For years I have had an ideal with reference to the development of the roadways about Grand Rapids in such a way as to make them attractive and helpful in the development of the higher life of our community. I have talked with schools; taken every opportunity to interest ladies' clubs, farmers' institutes and horticultural organizations, have button-holed all of my friends until I feared that I would be considered a bore; have even induced my pastor to write a sermon in the interest of my dream, and just when my hopes were at the lowest ebb, this association blossomed out with its wonderful promise of fruition. It was to me like the miracle which is performed every spring in my crocus bed. At night it will be perfectly bare; in the morning, after a warm rain, the surface will be covered with a wealth of bloom.

VACATIONS AT HOME.

Every day I see men—yes, these men who are before me, going from their homes to their places of business, returning to lunch, and then back to business again, and home in the evening, traveling this same line of highway day after day and year after year, with little knowledge of the attractive places in the vicinity of Grand Rapids that would afford them entertainment and restfulness to visit. These men become thoroughly tired; are compelled to take a vacation and run away to some place for the change of atmosphere that seems to them necessary, in order to have restoration of strength and ability to get on. I often think how much better it would be if these men would take their vacations weekly in getting out and looking at the beautiful things in the environs of our own city, and, better still, taking an interest in making our drives and parkways more beautiful and more restful in their own

interests, and in the interests of all the beautiful city.

It is a great pleasure to see men who are engaged in the business enterprises of our city, take the morning hour of Sunday in listening to the precepts which awaken an interest in spiritual things, but it affords me just as much pleasure to see these same business men riding out with their families on the Sabbath day and enjoying the beautiful things which God has placed about them, the influence of which is toward a higher spiritual life as certainly as are the sermons and the music inside the churches.

PICTURES OF TREES AND RUNNING BROOKS.

An acquaintance with the pictures, made up of trees and grass and shrubs and running brooks, are health giving, and one cannot turn from the rushing life in connection with our business enterprises, to these attractive things in nature, without acquiring added strength and ability to perform the necessary labor of the world. But more than this, they secure the kind of training and information which is invaluable in developing a well rounded character.

Three times in my life, with shattered nerves, I have gone back to live close to nature and been restored perfectly to normal health conditions, and I trust I have learned the lesson, and will from henceforth act upon it, that the better way to keep close to nature, and not be compelled to return to her for restoration.

Eleven years ago, when I sailed for Europe, the last word of a cousin of mine, whose life was spent continually in a railroad office, was this: "I never took but one outing and that was last year when I visited England. I saw the road from Warwick to Coventry, and it was a revelation to me of what can be done in the development of a magnificent highway. Be sure and see it, and it will pay you for your trip."

BEAUTIFUL SPARTA ROAD.

Take the road to Sparta. As we reach the relief of ground above the Soldiers' home and look eastward over the stretch of country which we denominate as the bend in the river, and you have an intrancing view of which all England would be proud. Go to the north of the city and eastward on the Knapp road, and from a point opposite the old Knapp homestead, let your eye dwell upon the wonderful panorama presented to the northward, and you will see that there is nothing to excel it in beauty of landscape.

Come in from Cascade and as you reach a point from which you get the view which includes Reed's and Fisk lakes and you have a combination of woodland and water that is wonderfully attractive to the eye.

Take the trip out Jefferson avenue to Burton, eastward on Burton to the Hurd school house, and then north to the Masonic home and into the city by Lake avenue and you find, with only what nature has done in the way of embellishments, that you have a highway that, with a good road-bed, can scarcely be excelled.

From the height of land in the township of Gaines, looking over this Grand River valley, with our beautiful city as one of the attractive points of interest, and you will have a panorama on a clear day that you

will carry in your mind for a lifetime.

THE TRIP TO GRANDVILLE.

And now in the organization of our association we take up as the initial movement the development of a drive down the river to Grandville, and from thence back again on the other side. Upon this drive, if developed in accordance with the plans of the association, we shall have the finest range of trees to be found anywhere about our city. We will have the historic Indian mounds as a special feature, and near by them the sight of the first movement for the manufacture of salt in this valley. Many cities spend thousands of dollars in the creation of a bit of water for their landscapes; here we have our magnificent river as a constant factor without using anything. With this drive, with all the natural attributes that are now with us, and the added ones that can be secured inexpensively, we can, in a year from now, secure a boulevard that will give us a national reputation. It is also the same in connection with a drive about this lake upon whose borders we meet tonight.

POINTS TO BE CONSIDERED.

The important points for us to consider practically are:

1. To secure a fund upon which to draw in the development of these highways.
2. Secure the services of an artist to plan for the expenditure of our effort and our money. We would not think of painting our own pictures for the embellishment of our houses, because we have not the technical ability to do it. We should recognize the same idea in developing these factors along our roadsides.
3. Save every tree and shrub and plant that is possible in the preserving of natural conditions.
4. Acquire holdings of value in connection with this highway, to be used as park areas and restful places for pedestrians and people who drive.
5. Awaken a spirit of improvement on the part of all the inhabitants dwelling along the highways to be improved, so that they shall be a part of this general awakening in the interest of a more beautiful environment to our city.
6. Awaken an interest in the city among all the people in this matter of developing beautiful things in connection with their homes and factories, so that it shall appear as a part of our religion to develop an appreciation of God's beneficence, by utilizing the naturally beautiful

and healthful things that He has placed within our reach, for our most rational enjoyment.

With '96.

H. A. Frost is surveying for the Great Northern R. R. in Montana. He has also bought land and expects to do considerable work in lumbering.

Francis J. Fairweather is a successful business man in Imlay City. He handles hay and grain both for wholesale and retail trade.

With '03.

W. T. French was married to Miss Mabel Ager of Ludington, Nov. 25, 1903. They are at home in that city, where Mr. French is engaged in the manufacture of lantern slides.

'03 Sp.

J. C. Hogenson was recently married in Logan, Utah. He will return to Washington to continue his work on soils as related to horticulture.

R. E. Doolittle, '96, and L. H. Van Wormer, '95, chemists for the State Dairy and Food Commission, report 32 samples of food products analyzed for the month of November of which 27 were found adulterated. Wood alcohol has lately been used in the preparation of lemon extracts by the firm DeBoe, King & Co., of Grand Rapids. Over 90 per cent. of the bulk was wood alcohol. Complaint was filed and the firm was found guilty. Pepper was again found impure in 7 out of 8 cases. The report on creameries and cheese factories is very favorable and the same can be said of the apiaries.

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ABOUT THE CAMPUS.

The high school at Three Rivers, E. M. McElory, '93, superintendent, was recently destroyed by fire.

Pres. and Mrs. Snyder will entertain the Seniors at dinner on Washington's birthday, Monday, Feb. 22.

The class in physiologic bacteriology is studying cells, pigments, light production and plasmolysis. 38 are taking the work.

This week's issue of the RECORD will be out a day late on account of the fact that ye editor was out four days attending Farmers' Institutes, returning late Monday evening, Jan. 18.

The sophomore women in physics are conducting experiments in heat. The fuel values of wood, coal, alcohol, kerosene and gasoline will be determined. Special stoves have been purchased for this purpose.

The Hesperian Society held their first party of the winter term in their rooms Saturday night, the 16th of January. Prof. U. P. Hedrick was chaperon. About 60 danced to the music rendered by Robison and Netzorg.

Ye editor was scheduled to speak in Ravenna on Tuesday evening Jan. 12, but a freight wreck on the P. M. R. R. caused a delay of over six hours and as a consequence Ravenna was never reached. Accidents sometimes prevent more serious disasters.

The work in physics has been enlarged a great deal in the last few months. Instructors Holbrook, Curtis and Peters have worked

hard and with marked success. Better work is being done in all lines and an excellent spirit prevails.

The Zoological department has purchased the skin of an albino deer. The animal was killed in Dickinson Co., Mich., Nov. '03. Albino deer are quite rare. The mounting will be done by Ward's Natural Science Establishment of Rochester, N. Y.

The new boilers at the engine house seem to be excellent consumers of coal. One cannot but notice the difference in the amount of smoke issuing from the different chimneys on the grounds. Smoke is waste. The new boilers have a decided advantage and promise to be great savers of fuel.

Two new students have enrolled in the agricultural course. One boards at the home of Prof. and Mrs. Shaw and matriculated on Jan. 8. Instructor and Mrs. Michels have entertained the other one since Jan. 15. As neither one has a given name, the secretary's office will be glad to receive suggestions.

A. J. Anderson attended a meeting of the M. I. A. A. directors in Battle Creek recently. A football championship will be introduced next season. The cup now held by Olivet will be given to the champions. The next meeting will be held in March at which time bids will be received for the meet in June and also for medals. If the State Board can be induced to fix up the track, M. A. C. will enter a bid for the events to be held here.

The Zoological department has been presented with two fine specimens of fish, a pike weighing 18 pounds caught by Mrs. Hugh Lyons and a Muskallonge of 16 pounds caught by Mr. Lyons. They were taken in Georgian Bay and have been mounted for the museum where they are now on exhibition.

Hon. R. K. Divine, member of the legislature which appropriated the first \$50,000 for the Michigan Agricultural College way back in 1855, will speak on what the College has done for Michigan at the Farmers' Institute to be held in Pontiac on Feb. 19. If correctly informed, Feb. 19 is the 49th anniversary of the passing of the above appropriation.

The College has had many visitors the past week. The Gleaners, a farmers' fraternal insurance organization, were in session in Lansing. This society has over 40,000 members, is enjoying a rapid growth and offers exceedingly cheap insurance to rural people. The death rate in farming communities is low and the organization is well managed. M. A. C. has a host of friends among the Gleaners.

Students having class schedule blanks will please fill them out and return them to the president's office as soon as possible. Telegrams, telephone calls, and visitors frequently necessitate the finding of a student at once. These blanks will give your whereabouts from 8 a. m. to 6 p. m., club and number of room. If the office does not pos-

sess the information, telegrams will be mailed.

Pres. Snyder spoke on The Ideal Education to the Farmers' Institute at Corunna last Friday evening. On Saturday he left for Washington as a member of the committee to invite President Roosevelt to come to Michigan to address the Republicans at the anniversary of that party under the Oaks at Jackson. He will be in Washington for a week to look after the interests of the experiment station in their attempt to secure additional appropriations.

The dairy students are making pasteurized butter. This is the ideal way of making butter and will undoubtedly be the only way in the near future. The butter is of superior quality. It scores 4 points higher than butter made in the ordinary way. The milk is heated to 170° Fah., then cooled to 65°. A large quantity of commercial starters is then added to ripen the cream. The starters contain the most desirable germs for flavor production in butter. Special emphasis is placed on the use of these starters.

Class in commercial starters.
Q. What are bacteria?

A. Student hesitates. Instructor tries to develop the subject by asking whether they are animals to which an affirmative answer was received.

Q. Give reasons why bacteria are animals.

A. They croak.

The class listened attentively the next hour when starters were added to some milk.

Mrs. G. Masselink and children have been visiting friends and relatives in Ann Arbor during the past week.

Hon. Thomas B. Woodworth of Caseville died last Sunday. Mr. Woodworth was well known by many at the College on account of the fact that his four sons have all been students here. Prof. P. B. Woodworth graduated here in '86 and had charge of the department of Physics at M. A. C. from '87 to '99. He is now Professor of Electrical Engineering at Lewis Institute, Chicago. Paul Woodworth entered M. A. C. in '87 and stayed two years. He is now Prosecuting Attorney for Huron county and is serving his second term. Robert Woodworth graduated here in '94 and died at Caseville July 31, 1896. Fred L. Woodworth graduated in '98 and has charge of the home farm. The many friends at M. A. C. extend sympathy to the bereaved family.

The Freshmen at M. A. C. seem to be right up to snuff. They recently ordered class caps and, as usual, the Sophomores were eager to learn of their arrival. Accordingly, a Freshman stuffed a box with rags, old shoes, etc., hid it in another Freshman's room, and then cautiously spread the report of the whereabouts of the supposed caps. Several Sophomores caught on, investigated the room, pounced on the box and threw it out of a second floor window. A noise in the hall induced one or more Sophomores to make use of the same exit. Their language upon opening the box is reported to have abounded with Biblical quotations. The password to Sophomore meetings was changed to "mum" upon a motion made by Mr. Lamb and eloquently seconded by Mr. Kramer.

Dr. Edwards addressed the Short Course students last week on the "Reading Habit." As an introduction he spoke of the M. A. C. theory of education bringing out the fact that old ideas had been revolutionized and that culture and utility now go hand in hand. Even "Old Harvard" has been compelled to change methods. The reasons for establishing the Reading Habit were considered in the following order: First, for the pleasure it gives the individual; second, to enable one to play his part in the life of the community; third, as a preparation for old age and the mature part of life; fourth, as a stimulant to the moral nature.

These things are accomplished through the training to wider observation and the cultivation of the emotional nature.

Valuable suggestions were given and much interest was manifested on the part of the students.

The desire to read and the knowledge of proper selection of reading matter are two things in which many people lack. Farmers, mechanics and even professional men waste much precious time because good books are not desired or selected. Scientific literature is of great value but as a rule it has but little power for the development of the soul. There is great danger of losing the higher faculties of the soul unless one reads and observes on a wider scale.

Prof. L. R. Taft has arranged the following two-day institutes:

Isabella county, Mt. Pleasant, Jan. 18-19.

Huron county, Bad Axe, Jan. 18-19.
Ogemaw county, West Branch, Jan. 18-19.
Genesee county, Clio, Jan. 18-19.
Kalamazoo county, Vicksburg, Jan. 20-21.
Sanilac county, Croswell, Jan. 20-21.
Gratiot county, Ithaca, Jan. 20-21.
Lapeer county, Lapeer, Jan. 20-21.
Arenac county, Standish, Jan. 20-21.
Bay county, Auburn, Jan. 22-23.
Gladwin county, Gladwin, Jan. 22-23.
St. Clair county, Capac, Jan. 22-23.
Saginaw county, Freeland, Jan. 25-26.
Macomb county, Richmond, Jan. 25-26.
Manistee county, Brown Tp., Jan. 25-26.
Antrim county, Milton Center, Jan. 27-28.
Monroe county, Carleton, Jan. 27-28.
Grand Traverse county, Traverse City, Jan. 29-30.

One-day Institutes will be held as follows:

Branch county, California, Jan. 18; Bethel, Jan. 19; Noble, Jan. 20; Bronson, Jan. 21; Batavia, Jan. 22; Sherwood, Jan. 23; Butler, Jan. 25; Girard, Jan. 26. The speaker is W. A. Ellis.

Calhoun county, Emmet, Jan. 18; Athens, Jan. 19, (East LeRoy church); Newton, Jan. 20, (Francisco school); Fredonia, Jan. 21, (Lyon Lake church); Homer, Jan. 22. The speaker is U. P. Hull.

Institutes will be held in Cass county, Jan. 27 to 29; Ionia county, Jan. 26 to 30; St. Joseph, Jan. 26 to 29 and Washtenaw, Jan. 26 to 30.

Hillsdale Co., Litchfield, Jan. 20; Moscow, Jan. 21; N. Adams, Jan. 22; Wheatland Centre, 23; Cambria, Jan. 25; Camden, Jan. 26. H. B. Cannon is the State speaker.

Alpena Co., Cathro, Jan. 18; Long Rapids, Jan. 19. N. A. Clapp is the State speaker.

Lenawee county, Sand Creek, Jan. 20; Ogden Center, Jan. 21; Riga, Jan. 22; Deerfield, Jan. 23; Tecumseh, Jan. 25; Macon, Jan. 26; Wolf Creek, Jan. 27; North Rome, Jan. 28; Hudson Center, Jan. 29. State speaker, N. I. Moore of Jonesville.

Two-day roundup at Clinton February 10 and 11.

John D. Rockefeller has made the following gifts to the University of Chicago:

1889	\$600,000
1891	1,000,000
1892	2,000,000
1894	500,000
1893-'95 Various gifts.	401,000
1895	1,000,000
1899	201,374
1900	3,500,000
1901	1,250,000
1902	1,000,000
1903	1,850,000

Total, \$13,302,374

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