

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 10.

LANSING, MICHIGAN, TUESDAY, NOV. 8, 1904.

No. 8

M. A. C. 39, FRESHMEN 0.

In the game last Saturday M. A. C. gave the Freshmen team from U. of M. the worst beating they have received since their organization four years ago. The Freshies put up their usual scrappy game, but it was a case of eleven star individual men against a team and the team won. M. A. C. kicked off and the Freshmen advanced it by short gains to the middle of the field where they were held for downs. After several exchanges M. A. C. finally worked the ball to the 15-yard line from where McKenna went over for the first touchdown.

The balance of the game was fought almost entirely in Freshmen territory. Three touchdowns were added in the first half, one by Bell, one by Hahn, and one by Doty from the 15-yard line on a delayed pass. The first half ended with a score of 23. The second half opened auspiciously for the Freshmen. M. A. C. was forced to punt, and the Freshmen carried the ball 35 yards by some rapid fire Michigan football to our 45-yard line before they were held. That was the nearest they came to a score, the balance of the half being a series of steady marches to their goal line. Time after time in this half, F. Kratz and Ashley opened up big holes through which Bell went for gains of from 15 to 25 yards. Several long gains were also made by Kratz, McKenna, Holdsworth and Hahn. Boomsliter scored one touchdown in this half, on a 5-yard buck through centre, while Bell annexed two, bringing the total up to 39, McKenna kicking four goals from the seven touchdowns. Doty backed up the line in fine shape, tackling the Freshmen for loss several times, while Small got the only two chances he had in the back field, bringing down the runner by good tackles. Line up:

M. A. C.	Line Up	Freshmen.
Holdsworth-Burke	l. e.	Harris
Bell	l. t.	Henry
Fisk-Wright	l. g.	Embs
McDermid	c.	Carey
Boomsliter	r. g.	Metheany
F. Kratz	r. t.	Palmer
Ashley	r. e.	Chandler-Laudley
Small	q. b.	McKillup-Evans
Hahn-C. Kratz	l. h. b.	Newton
McKenna-Boyle	r. h. b.	Cox-Richards
Doty	f. b.	Bell
Umpire, Hall; Referee, Longman.		
Time of halves—30 and 21 minutes.		
Touch downs.—McKenna, Hahn, Doty, Bell 3, Boomsliter.		

DEBATING CLUB.

The regular weekly meeting of the debating club was held in the English class room in College Hall at 7:30 Thursday evening. In the absence of President Fisk Mr. F. C. Kenny presided. The subject for debate was, Resolved, That the Independent Voter in Politics is to be Commended. Dr. Howard Edwards and Mr. L. J. Smith had the affirmative, and Prof. W. O. Hedrick and Mr. E. N. Bates defended the negative. The contest was close, animated, and keen. The

judges deciding in favor of the affirmative.

In addition to the appointment by the chair at each meeting of three members to act as judges a motion was adopted by which a popular vote was taken on the number of arguments and methods of presentation.

The subject for next Thursday evening is, Resolved, That a More Restricted Immigration Law be Passed.

Y. M. C. A.

The Thursday evening prayer meeting was led by Mr. Fryman, who spoke on the little things in everyday life, and the stand the Y. M. C. A. man should take on some of the things common in college life. He referred particularly to that spirit of "running in," and urged the men of the college to try to create a sentiment against it.

Sunday morning chapel service was conducted by Rev. Dr. Edwards. His text was II Timothy, 3:16. And he brought out in his sermon the fact that all scripture is divinely inspired and helpful.

Mr. Hurst led the union meeting Sunday night, on the subject of standing for Christ. He showed how a man who stands by his convictions when others drift with the multitude, is apt to be called a "crank," but that what we need today is more of these cranks who will stand for the right in spite of ridicule.

The meetings were all well attended.

FARMERS' CLUB.

About fifty students and half a dozen professors gathered at the Agricultural Building last Tuesday night to hear Prof. Shaw talk on "Livestock as seen at the Michigan Fairs." As is well known, Prof. Shaw has been in great demand as a judge, and is probably better posted on this subject than any other person.

He said that, although there has been a great improvement in livestock in the last few years, the quality is not what might be expected, considering the high quality found one or two decades ago. There is a great lack of uniformity, and much stock is exhibited that is very inferior. Many exhibitors bring their stock solely for the purpose of sale. All this hurts the exhibit.

Again, there is a tendency to give the fatest stock the first premium, regardless of quality, and exhibitors realizing this fact pay most attention to putting on fat. It rests with the judge to correct this, as well as the many other defects in our Michigan stock. There are three distinct classes of exhibitors, (1) capitalist or plunger who buys all his stock; (2) small capitalist or farmer who raises his own stock, and (3) regular showman. The second class deserves more encouragement than they now receive, as they only

can improve the great bulk of livestock in Michigan. There seems to be a lack of interest in exhibition, as only a small per cent. of those owning registered stock exhibit them at our fairs. The natural forest condition and the lack of a good natural pasture grass has prevented Michigan from taking the lead in livestock. Cross breeding and the lack of an ideal has also greatly hurt the stock industry.

The next meeting will be held November 8 when R. G. Potts will talk on, "Farm Equipment and Management." Everyone is invited.

M. A. C. FORESTERS.

In his talk on Philippine Forests, before the M. A. C. foresters Tuesday evening, Mr. C. H. Goetz said that there were nearly fifty million acres of forests on the islands, in which nearly 400 species of hard woods, and about 100 species of soft woods were represented. Among them are the narra, gum, rubber tree, ebony, gutta percha, cocoanut, etc. The highest mountains—two to three thousand feet—are clothed to the very top with forests. The undergrowth is so dense in places that tunnels have to be made before one can pass through it. Vegetation grows there the year round, and certain kinds of trees grow very rapidly. The bamboo grows faster than any other, and in a few years attains a height of 60 to 70 feet, and a diameter of 6 to 7 inches. It is smaller at the base, where it is nearly solid, than ten or twelve feet up, where it is hollow. Ebony is a small tree, not usually more than from six inches to a foot in diameter. The cocoanut palm has a heavy, hard wood.

There are large amounts of valuable dye woods on the island. The harvesting of these valuable trees has nearly begun.

The next meeting will be held Nov. 15th.

Following is a correct statement of the business done at the M. A. C. Co-operative Book Store for the six weeks (approximately) beginning Sept. 17 and ending Nov. 3:

Sept. 17, 1904.		
Cash on hand at beginning of term.....	\$853 07	
Mdse. bought and paid for		\$6702 61
Recd. from Mdse. sales.....	6695 73	
Recd. from 311 Membership Tickets.....	233 75	
Discounts.....	52 20	
Expenses.....		230 26
Balance cash on hand.....		901 88
	\$7834 75	\$7834 75

LILLIAN KENDALL, Mgr.

'68

George F. Beasley, a lawyer in Detroit, was found dead in his apartments on last Tuesday. He was about sixty years of age, and his death was due to heart disease. Mr. Beasley was much interested in the work of the college, and always attended the meetings of the Detroit alumni.

ALUMNI.

'88

Frank V. Warren has a position with the Smedley Construction Company, of Philadelphia. The company is doing a good business, and are at present constructing a number of buildings in the burned district of Baltimore.

'89

In the *Review of Reviews* for November, is an article on "Iowa's Campaign for Better Corn," by P. G. Holden, '89, Professor of Agronomy in Iowa State College. By April of this year the college had tested 1200 samples of seed corn from as many farmers, and these tests indicated that only about 63 per cent. was fit to plant. Farmers were becoming worried. Two railroad companies furnished seed corn, special trains passing through 36 counties covering 1250 miles, stopping twenty minutes at all stations for talks to farmers in audience coaches. At the very first stop fully 500 farmers were present. At one place a botanical class from the village school attended, and took notes, and many teachers attended. In the coaches were many illustrations in variety. Two lecturers were furnished by the college. Great enthusiasm was manifested in these excursions, which reached large numbers of farmers in a short space of time.

'89-'95.

A bulletin on "Feeding Experiments with Cattle," by E. A. Burnett, '87, and H. R. Smith, '95, has been issued by the Nebraska Experiment Station, at Lincoln. The following subjects are discussed: 1. Hay, with and without grain for calves. 2. Roughage supplementary to corn for fattening yearling steers. 3. Corn vs. corn and oil-meal on grass for fattening two-year-old steers. They have also issued a press bulletin on "Fattening pigs and wintering brood sows on alfalfa and a grain ration."

'98.

E. A. Calkins is the candidate on the democratic ticket for county surveyor of Ingham county.

'02.

Bert Wermuth is on the editorial staff of the *Michigan Farmer*. He is at present rooming with W. M. Brown, '03. His business address is 3945 Congress street, west., Detroit, Mich.

'03.

Burr Wheeler is with Westinghouse, Church, Kerr & Company, of Warren, R. I. His work is the insulation of electrical machinery, power plant and general electrical equipment.

A. C. Miller is at Burgettstown, Pa. where he has charge of a flock of Dorset sheep. These sheep have been exhibited at the Pennsylvania state fair, West Virginia state fair and at St. Louis.

THE M. A. C. RECORD.

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MICHIGAN STATE AGRICULTURAL COLLEGE

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TUESDAY, NOV. 8, 1904.

IN OUR issue last week we stated that the Grand Trunk road had promised a straight five dollar rate to those who attended the live stock show at Chicago. It should be stated that this is true only on the condition that fifty or more accept this offer. This makes it imperative that requests for tickets be handed in as soon as possible, all names to be in before Nov. 15. This show will furnish an excellent opportunity for practical educational work, and it is hoped that a large number of students may find it possible to attend.

PROF. MARSHALL has just issued a reprint (with modifications) from the forty-third annual report on "Bacteriology and the Bacteriological Laboratory." The subject of bacteriology is treated under the various heads of Hygiene and Medical, Dairy, Soil, plant and fermentation, with a word regarding food and drink preservation. An outline of bacteriology is then added in order to convey something of an idea of its range, and also of reviewing systematically some of the subject matter treated in the science.

A general description of the laboratory is given, together with four plates showing an exact plan of the interior of the building. There are also three excellent exterior and five interior views of the laboratory. The interior views include, —Lecture Room, Class Laboratory, Experiment Station Laboratory, Stable and Hood, while the exterior presents the building as seen from three different directions. It is printed on heavy enameled paper and is certainly a valuable addition to the College publications.

HORT. CLUB.

The club met on Wednesday evening, for the first time in its new quarters. A room on the second floor (the one formerly used for an office), has been furnished with a large table and about 25 chairs. The table will be especially useful in studying fruits and examining specimens. The club has long been in need of a better place to hold its meetings, and this has resulted in the present equipment. The improvement is only a natural outcome

of progress in the department; and it will no doubt give the club an impetus toward better work and greater success in the future.

Mr. Gunson gave a report of the markets.

Mr. McCue gave a short talk on the Northern Spy and Seek-no-further apple.

The following paper was read by Mr. F. A. Loew:

About twenty years ago Dr. Beal started a botanic garden at M. A. C. to be an addition to the equipment of the botanical laboratory. There was brought into this garden from time to time a great many native plants mostly native of Michigan, until at the present time there are nearly 2,000 species representing nearly all the orders of northern United States. Some orders are much better represented than others on account of the importance, also on account of the ease with which the plants of some orders can be made to thrive in their changed conditions.

The order Caprifoliaceae is well represented because it contains many species well adapted for ornamentation of lawns.

The order Papilionaceae, Rosaceae, Labiate Umbelliferae and Cruciferae nearly represent the families which furnish plants for food and medicine.

The order Compositae, a comparatively new order, receives considerable attention, although in comparison to its size it is of but little economic value.

The order Gramineae is represented by over sixty species of perennial and about fifty species of annual grasses.

Of the ferns there are about 23 species.

Plants which are brought into the garden from the wild are given location, soil, and exposure similar to that in which they grew naturally. Thus, when the huckleberry bush was brought in it was planted in a boggy place; the cactus in sand, with a sunny exposure; violets were given the protection of an arbor; wild rice in the pond, and the ferns under trees.

Although the botanic garden was instituted as an adjunct to the Botanical laboratory, yet this does not bar it from being advantageously used by the horticultural and agricultural students.

It is my impression that the Botanic garden is of much more benefit to these departments than is generally thought. In viewing its benefits from a purely scientific standpoint, many valuable lessons can be obtained by the student who makes regular systematic trips through the garden with a definite subject in mind, for which to make observation. Many facts can be observed which in themselves would be of no economic importance, but the real horticultural student will not discard pure scientific questions and observations, and be content with no other than economic ones. It cannot be denied that a large percent. of our economic problems have their origin in pure scientific investigation. In other words, they originate from those questions of which some people ask, "What good is there in them?"

In connection with such observations as seem of no value, comes those which are of economic importance. The botanic garden is a rich field for such observations. The fact that there are there collected a

great many species, and also that their environment has been greatly changed, gives the horticultural student magnificent opportunity to study plant improvement.

One can scarcely walk through the garden without seeing some variation in stalk, blossom, or color. For example, last summer while working among the Berberies, I found a branch which had variegated leaves, the suggestion came to me that this might be propagated and probably breed a new ornamental plant. Dr. Beal noticed on one of his rose bushes one branch which had blossoms of a different shade of color than the remainder of the bush. He at once layered it for a new plant. He also noticed that among the Rudbeckias hirta or "Black Eyed Susan" of the neighborhood, there were many variations in the ray flowers. He brought a dozen or more of these selected variations into the garden. Some of the blossoms were very small, not more than an inch in diameter; others were 5 inches in diameter. Some had but 8 ray flowers, others had 30; some had ray flowers with light tips, others with dark centres; some had ray flowers which were shredded at the tips, others had them quilled. These examples to the horticultural student would furnish valuable suggestions in plant breeding.

Equally beneficial is the garden to the agricultural student when we consider the grass plot with its 12 types of timothy from the same sowing also 10 types of orchard grass, besides four types of meadow fox-tail and three of sweet vernal grass.

The student in landscape gardening reads in his text-book about various shrubs which should be planted for various effects, at the same time he probably has no conception as to how the shrub would look growing in the garden or on the lawn. A study of the group of coprifoliaceae and borberiidaeae would show the effect these shrubs would produce when growing. The group of honeysuckles with their different habits are before the student's eyes for comparison. Also the viburnums, especially verbum tomentosa, which must be seen to appreciate, a rather globose bush which retains its leaves until very late in autumn, taking on the most beautiful shades of red and green, with rugose leaves well ribbed, giving it a rigid appearance.

The student cannot help being impressed with the group of Berberies, especially those which so much resemble our Christmas holly. It is by observing the many species of shrubs growing together that the student can make comparisons as to the effect each will produce when planted in the lawn.

It is of great importance to the horticulturist to know how to make a given piece of land produce the most. Lessons in intensive horticulture can be learned by watching the operation of the workman in the Botanic garden. The effects of thorough tillage and a liberal use of barnyard manure can be watched and conclusions drawn either positively or negatively.

As a means of securing general information with which all horticulturists should be acquainted and which has an indirect bearing upon his business the Botanic garden is of great value. For instance observations as to how flowers of the

Papilionaceae family are fertilized, hence under what conditions to expect the best bean crop, also what kind of a summer favors a good clover seed crop. Or observations on pollination can be made in the Rosaceae family, what carries the pollen from stamen to stigma; if insects, can you raise strawberries under glass without hand pollinating? What is the condition of the stamens of the apple after fertilization? Do they ever hinder in spraying for codling moth? How about pollinating tomatoes? Do insects do this? All these are suggestions as to what benefit the Botanic garden might be to the horticultural student.

Seed dispersal, another subject with which the horticulturist should be acquainted. The many methods plants have for scattering their seed. Especially is he interested in weed seeds. How about the amount of seed borne by a single purslane plant and how it is scattered. Also Lambs-quarters, Foxtail, Pigeon grass, Burdock and Quick grass.

A study of the methods of distribution of these various weeds might impress upon the mind of the young horticulturist the importance of clean culture. This subject can be readily studied in the Botanic garden.

In conclusion, the benefits of the Botanic garden to horticultural students might be summed up as follows:

1. A source of general botanical knowledge.
2. Example of intensive horticulture.
3. A source of suggestions for plant improvement.
4. A place to study and select plants for landscape gardening.

The horticultural students are urged to draw freely, lessons from its valuable store. And I do not doubt but what the horticultural seniors could spend an hour a day for a week or ten days during the spring term very profitably in the garden in company with their professor.

The following from the Observers' Meteorological Record shows the weather conditions for the month of October:

Date	Temperature.		Amount of Rainfall.	Prevailing Wind.	Direction.	Character of Day.	Miscellaneous.
	Maximum.	Minimum.					
1	64	47		N.W.		Cloudy	
2	58	49		N.W.		Fair	
3	55	32		W.		"	
4	54	41	.76	S.E.		Cloudy	Killing Frost
5	57	52		W.		"	
6	49	30		N.		Clear	Killing Frost
7	53	30		S.		"	"
8	64	44	.15	S.W.		Cloudy	
9	73	56	.10	S.		"	
10	77	65	.72	S.W.		"	
11	56	51		S.		"	
12	54	40		N.		"	
13	58	38		N.E.		Clear	
14	55	33		N.E.		"	
15	61	38		S.		"	
16	67	36		S.		"	
17	75	45		S.W.		"	
18	78	51		S.W.		"	
19	75	49		S.E.		"	
20	54	45		S.W.		Cloudy	Hail Storm
21	40	39		S.W.		"	"
22	47	37		W.		"	
23	47	31		W.		Clear	
24	57	33		S.W.		Cloudy	
25	48	41		W.		"	Icy Snow
26	39	32		N.W.		"	
27	44	29		N.W.		"	
28	57	32		S.W.		Clear	
29	62	35		S.W.		"	
30	48	29		S.E.		"	
31	60	22		S.W.		"	1st heavy ground freeze

The farm department has just finished the corn harvest. The early frost did much damage to the crop and as a result the condition of the corn stored is the poorest in years. About seventy-five baskets have been reserved for seed.

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SOLE AGENTS.

ABOUT THE CAMPUS.

This is “good injun” weather.

Jas. Moore spent Sunday at his home in Shepherd, Mich.

Miss Bess Paddock received a visit from her mother over Sunday.

R. S. Davis with '05, visited college friends a few days the past week.

Michigan Farmers' Institute Bulletin No. 10 has been received from the press.

E. O. Elmer, '03, spent Wednesday and Thursday of last week with college friends.

John B. McIlwain, of Port Huron, called on his son Frank 5 yr. m., the past week.

Mr. Rugg and family are moving into their new home near the store of Higgs & Burton.

Another new house is being built in Collegeville, south of Mr. Gurnsey's. It will be occupied by Mrs. Gurnsey's sister.

The sub faculty football team won from the all sub-freshman agricultural team on last Saturday by the score of 20 to 0.

The Senior-, under Prof. Sawyer, have been making some interesting electrical tests of how the current on our street railway gets back to the power house.

Dr. Waterman has recently purchased a 110-acre farm two and one-half miles east of Ann Arbor, on the Ann Arbor, Ypsilanti and Detroit Electric Line. He contemplates making this farm his home some day and will convert it into a stock

farm of which the Jerseys will be the central figure.

Among those at the College on Saturday to witness the football game were P. N. Flint, Robert Maltby, H. T. Ross all of '04, and Gordon Tower, of.

The physics department has received the new rotary converter described a few weeks ago. The storage battery is also on the road and is expected in a day or two.

Ray R. Tower spent a few days with college friends the past week, and left Friday morning for Janesville, Wis., where he has a position as chemist in a beet sugar factory.

All who have handed in their names for the preliminary debates are requested to meet in No. 7, College Hall, immediately after the debating club adjourns (8:00 P. M.)

A very pleasant reception was given the new instructors on Saturday evening at the Women's Building, by Dean Gilchrist, her assistants, and a number of the Senior girls.

Fred Ziess, 5 yr. m., was called to Chicago on Nov. 2 on account of the serious illness of his brother. He is not sure that it will be possible for him to return to college before another year.

The senior agriculturals took a trip to the farm of Mr. W. O. Wilson, near Okemos, on last Wednesday, where they did some practice judging of Chester White hogs. Mr. Wilson owns a large number of very fine specimens of this breed

and the students got two good solid hours' work.

The new power house chimney has been completed and is certainly a fine piece of work. It stands 125 feet in height. The work on the roof of the new power plant is also moving along rapidly.

The old dairy barn which was moved during the summer is being remodeled for the use of the dairy herd. The original capacity was about 38 head. Its capacity under the present plan is 58 head.

A 55 light gasoline vapor machine has been installed in the Agricultural Building for the use of the department of agronomy. The machine is to provide heat for laboratory uses. This is something the department has needed for a long time and will be greatly appreciated.

The M. A. C. Alumni of Grand Rapids announce their fourth annual supper and meeting on the evening of Nov. 18 at six o'clock in the parlors of the Park Congregational Church. A very cordial invitation is extended to the alumni to come and meet old friends, members of the faculty and new members.

The special course bulletin is now ready for distribution. Four courses will be given this winter. The course in Live-Stock and General Farming, Creamery Management, and Fruit Culture will begin Jan. 3 and continue eight weeks. The Cheese course will be four weeks in length beginning Feb. 27. These bulletins are sent from the Pres-

ident's office and any names handed in will receive prompt attention.

President Snyder returned on Friday evening from the annual meeting of the Agricultural College Presidents and Station Directors held at Des Moines, Iowa. He reports an exceptionally interesting meeting. One half day was spent by the association in visiting the Iowa State College at Ames. M. A. C. was very much in evidence as the following list of those present will testify: H. T. French '85, E. Davenport '78, F. B. Mumford '90, K. L. Butterfield '91, H. R. Smith '95, P. G. Holden '89, L. H. Bailey '82, C. E. Thorn with '70, L. W. Watkins '93, E. A. Burnett '87, L. G. Carpenter '79, H. P. Baker '01, N. S. May '88, P. H. Wessels '05 and Prof. C. D. Smith.

Visitors at the Womens' Building during the week have been delighted with the new statue of Diana the Huntress, which stands in the first floor center. The cast, made by Caproni & Bro of Boston, is a copy of the Diana de Versailles acquired by France in the 16th century, now in the Louvre at Paris. The name of the sculptor is unknown but it is said to date from the Alexandrine period. The artist's conception of the “moon goddess,” who stands with her hand on the head of the stag, appeals to every student of mythology as well as to the casual observer. As Apollo represents the virtues and graces of manliness so does Diana typify all maidenly qualities. She is an ideal figure of modesty, strength and grace.

During the past week the rooms of the Olympic Society have undergone quite a transformation. Both the assembly room and the reading room have been repapered; the woodwork throughout all the rooms has been revarnished, and the floor in the assembly room has been treated to a floor finish, which does not detract from its smoothness, yet gives it a brilliant finish. The furniture has been repaired, also, some new added, and taken altogether the rooms have a very neat and attractive appearance.

Prof. Taft was at home for a few days last week, arriving on Wednesday evening and leaving for his work at St. Louis again on Saturday. He states that there will be in the neighborhood of 5,000 fruit entries, which include some very fine specimens. His work will continue until December 1st, at which time he expects to return to his office at the College.

The Michigan Academy of Science Bulletin Vol. 1, No. 2, contains an article on "How Agricultural Growth Depends upon Scientific Development" by Prof. Jeffery, and also one on "Of What Use to the State is Botany" by Dr. Beal. Other contributors are Prof. M. S. W. Jefferson, of Ypsilanti Normal, Dr. V. C. Vaughn of Ann Arbor and Bryant Walker of Detroit.

A sad accident occurred at the gravel pit west of the College on last Saturday. While three men were at work loading gravel, a large mass of earth above them gave way and buried one of the workmen, Wm. Burns, to a depth of three feet. The mass struck the unfortunate man in the back and when taken from the pit all efforts to revive him proved useless, as no bones were broken it is believed death was caused by suffocation. Mr. Burns came here about six weeks ago from Bad Axe and during that time has been employed by contractors Murray and Ayers. While we have no knowledge as to the conditions at the pit, it is known that the contractors have been very careful in guarding against accidents in the excavating for the tunnels. Time and expense have not been considered where there was any danger at all.

The College has purchased twenty grade cows for experimental purposes. These are to be divided into four lots of five each, making uniformity the basis of the division. The females of lot No. 1 and their female offspring will be bred to a continuous line of Holstein bulls; likewise those of lot No. 2 to Jersey bulls; those of lot No. 3 to Guernsey bulls, and those of lot No. 4 to dual purpose shorthorns. The primary object is to determine what can be accomplished by definite lines of breeding, and to improve good grade stocks through this system of upgrading until they will be practically equal to registered animals from the standpoint of utility. The secondary object will be to determine what good care, feed and management will do toward increasing the productiveness of the original stocks. Before the experiment is started a record will be made for each individual relative to size, weight, form, quality, indications of breedings, etc., to be filed with a photograph of the female. The vealing or beef making qualities of the male offspring will be determined in each generation.

The lecture on Friday evening by Sam Jones was well attended and, judging from the almost continuous laughter, was enjoyed. Mr. Jones chose for his subject "Medley of Philosophy, Facts and Fun." He began by analyzing the terms philosophy and fact, but seemed to think that his audience needed more fun than either of these and proceeded to deal it out in generous doses. After an hour of joking in which nearly everybody and everything, except prohibition and Sam Jones, received their share of comment and criticism, he settled down to seriousness and gave a good talk of fifteen or twenty minutes. It was Sam Jones and to those who know him that is, perhaps, enough to say. While he has a crude way of presenting his subject, there is underlying all this a seriousness which appeals to many, and though the thrusts are keen and many even coarse, yet the thoughts conveyed usually carries with it a lesson worth remembering.

Through the efforts of the Federation of Women's Clubs, a department of manual training for the seventh and eighth grades of the city (Lansing) schools is to be added. The boys are to have wood work at the same time that the girls are taking sewing. One hundred and eighty-four boys and one hundred and eighty-seven girls are to receive this instruction this year. It is planned to give to each school one hour per week of this work. The instruction in sewing for girls is to be paid for by the City Federation of Women's Clubs. Miss Bessie Bemis is to have charge of the instruction in sewing, under the supervision of Mrs. Haner. The following from the *Journal* fully explains the attitude of Lansing people toward the effort being made: "We bespeak for Miss Bemis the hearty co-operation of the teachers and parents of the seventh and eighth grades, and also the kindly interest of the women of Lansing in this effort of the women of the federation to broaden educational advantages of our children in the public schools."

With '04.

Paul Flint has been with us for a few days on a vacation from his farm labors, visiting his many friends.

'04.

George C. Morbeck is spending a few weeks at his old home in Ingalls.

Six Philipinos, four boys and two girls, in school at Philadelphia are being educated at the expense of the United States Government. The two girls are at Drexel Institute and the boys are at the School of Industrial Art. One of the girls will study domestic Science, the other after a year at Drexel, will take a course at the Women's Medical College. Of the four boys, one will study architecture, two painting and the fourth lithographic art.

"Our colleges turn out some pretty good men now a-days," remarked the elderly gentleman. "Yes," replied his son, gloomily. "our college turned out the man who was sure to have won the 100-yard dash for us next year—just because he didn't pass any of his examinations."—*Ex.*

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