Our Library Complimented.

The library is in receipt of the special Paris Exposition souvenir edition of the Yearbook of the Department of Agriculture for 1899. Of especial interest is a paper on "Development of Agricultural Libraries," by Charles H. Greathouse, M. A., Editorial Clerk of the Department Division of Publications. In treating of agricultural college libraries he says that "three or four will serve as typical," and he names as the four typical those of Massachusetts Agricultural College, Michigan Agricultural College, Cornell University, and University of Wisconsin. He refers to M. A. C., in part, as follows:

"At the Michigan Agricultural College, one of the oldest of these schools in the country, and with a large number of alumni holding responsible positions in scientific agricultural work, the library appropriation was at first distributed in equal amounts to the several professors, but the library is now under the supervision of a committee composed of five members of the faculty appointed by the president of the college. All recommendations for purchases of books must be approved by this committee, * * library is considered especially strong in general works on agriculture and cultivation of the soil, * * * Since 1884 a good many books on mechanical engineering have been added, and with the establishment of the women's department, household economy has received much attention. * * * The students have access to the library shelves during work hours. The administration is thorough and businesslike,"

In describing the Cornell library, Mr. Greathouse alludes to the private library of Prof. L. H. Bailey. '82, which he says is "the largest collection extant of American horticultural writings." v. BROWN.

Athletics.

The Board of Directors of the M. I. A. A. met last Monday evening in Jackson. It was decided that Field day should be held in Hillsdale June 7 and 8.

Albion is to furnish the programs, and Kalamazoo the medals; appropriate pennants will be given to winning teams in the baseball relay and class club swinging contests.

Foot ball was made an intercollegiate game, in view of the fact that a cup has been secured to be contested for annually. The games will be played on the percentage plan with the schedule as follows:—Albion, Kalamazoo and Hillsdale, vs. Olivet, Ypsilanti and M. A. C.—Return game will be played and the three teams winning the highest number of games will have final contest, one of which will be played Saturday before Thanksgiving and the other on Thanksgiving day.

B. A. Peterson has been elected manager of the second baseball team and Burr Wheeler tennis manager,

The "try out" meet held in the armony last Friday evening was a success in every particular. In many respects it proved a surprise, —one of an agreeable nature. Con-

sidering the fact that regular training had not yet begun, the results were, indeed, very satisfactory. Several new men showed exceedingly good form and the old ones demonstrated that they were still in the ring. With such material, the outlook for a winning track team is very bright. The winners in the contest were as follows: In heavy weight wrestling, H. D. Hahn won first with no opposition; in middle weight, W. J. Geib won first and W. B. Wilson second; in welter weight, L. D. Rudolph won first and C. I. Brunger, second; in light weight, H. L. Hall won first, H. S. Barringer second, and George Davenport third; in feather-weight Frank D. Verran won first, and C. M. Marshall second. In the standing broad jump H. W. Shultz won first, W. F. Millar, second and J. P. Haftenkamp third. Distance 10 feet. In the high jump Edgar and Shultz tied for first place at 5 feet 31/2 inches, C. J. Blanchard won

In the shot put Oliver Edgar won first, J. A. Cooper second and Travis third. Distance 29 feet 3 inches. In the pole vault Millar and Shultz tied for first at a height of 9 feet 2 inches. A fine exhibition of club swinging was given by an old intercollegiate champion George B. Fuller.

H. E. Y.

An Interesting New Student.

The College has received a most interesting addition to its studentbody in the person of Enrique Aguilar of Puerto Principe, Cuba, who arrived here last Tuesday from Spokane, Washington, where he has been visiting since last November. Mr. Aguilar is a cousin of Antonio Aguilar-Borrero, '03, and was attracted here by the presence of the latter. He will take special work in the English language during the spring term and enter the Agricultural course next fall. In spite of the short time the young man has been in this country he has acquired quite a command of English and was able to make the journey here alone from Lincoln, Neb.

Mr. Aguilar had a very exciting experience during the late insurrection. He was living with his mother and sisters at their home in Puerto Principe which was garrisoned by Spanish troops. father was a colonel in the Cuban army and being in the neighborhood with his regiment sent word in to have his son visit his camp for a few days. Enrique got through the Spanish lines with a permit, but while he was with his father, the Spanish commander issued an order revoking all permits and forbidding any one to leave the city. The Cubans responded by forbidding The lad was the iny one to enter. unable to return home; and, the camp being no place for him, he was compelled to take a journey of sixty miles through the country to an uncle's house which was out of the range of hostilities. Here he staid during the remainder of the war. The rest of the family fared far worse. On account of their relationship to the Colonel, General Weyler ordered them to Havanna where they were imprisoned until released by the Americans,

After taking the agricultural course here Mr. Aguilar will return to Cuba and engage in his chosen work.

V. BROWN.

Mechanical Department.

The mechanical department has received from the Portland Cement Co. of Jackson thirty copies of a booklet issued by the company describing methods of manufacture and uses of their output. These booklets are intended for distribution among the junior class when engaged in cement testing.

The blower to be used in experimental work by Messrs. Wells and Littell, and loaned by the American Blower Co., of Detroit, arrived last Thursday.

The department has just received a tachometer from Schaffer and Budenberg adapted to indicating revolutions up to 200 per minute.

Mr. E. C. Baker, instructor in foundry work, has been suffering from an attack of the grip.

Mr. Lewellyn Pierce, employed in the mechanical department, has been seriously ill but is now somewhat improved.

Messrs. Norton and Ireland have decided upon making a series of tests to determine the permissible relative rotations of pipes and fittings in steam lines for their thesis work.

Owing to the crowded condition of the offices in the mechanical laboratory it has been found necessary to enclose a portion of the east gallery for storing department office material.

The Department recently received a handsome little brochure illustrating the works of the Peninsular Portland Cement Co. at Jackson and describing the methods of manufacture of cement.

Horticultural Department.

The lettuce in the side-hill forcing house is at its best now and a large crop is being cut off.

Among the prominent flowers tow in blossom in the green-house are: easter lillies, roses, hyacinths, daffodills, azalias, ten-week stock, lily-of-the-valley, tulips, and orchids.

O. L. Ayrs has selected for his thesis work, under Prof. U. P. Hedrick, "The Physical Structure of Spraying Substances," Mr. Ayrs hopes to demonstrate that the value of many substances used for spraying purposes, is increased or diminished by the fineness of division of particles. Comparing the substances, London purple for example, -will remain in suspension in a liquid form for a much longer time than Paris Green, and the solution which contains the former requires but little agitation. Mr. Mr. Ayrs hopes to show that this is due to the fact that the particles of London Purple are smaller than the particles of Paris Green. Similarly there may be such differences in lots of Paris Green or different lots of any substance held in solution

for spraying purposes. He expects to show that a finely divided substance can be spread over a greater surface and is therefore a more effective poison than one not so finely divided. The value of the results to the fruitgrower is apparent.

T. G. P.

Spring in Arizona.

Mr. Gordon H. True, B. S., formerly instructor in dairying here and now in Arizona, writes to Mrs. Landon under date of March 16. Among other things he says:

"With spring fast fading into summer here it seems as though the campus at M. A. C. should be beginning to show a tinge of green, the first dandelions be in bloom over the steam pipes and here and there a brave little crocus in the grass. I remember too well, however, those protracted, intermittent springs which Sobenikoff used to call 'a nasty change of weather,' to think that our spring days here mean spring days there. * * * *

"A business trip took me across the river today, and high water made it necessary for me to cross at one of the lower fords where I seldom go. This change of route, however, proved something of a revelation to me. I knew that spring had come, that I had seen poppies on the desert a month ago, that the early almonds were in bloom at the same time, that the cottonwood trees were in full leaf and that alfalfa was knee-high in the fields, but I did not know before what an Arizona spring could bring forth in the way of wild flowers. I never saw so many wild flowers together before as I saw near the river this afternoon-but not an old friend in the whole lot-I did not know the names of any but the yellow-poppies till I got home; and though the sand verbenas are beautiful and fragrant and I am glad to have made their acquaintance, I think I would rather have found a bunch of hepaticas or blue violets than the whole lot. I suppose if I live here long enough these will come to be old friends too, and I'll be glad to see them every spring. * * *
"I do not hear from M. A. C.

"I do not hear from M. A. C. very often except through the RECORD, but the fault is my own for here before me are several unanswered letters from friends on the campus and delta. I enjoy reading the RECORD, but it is more like meeting your neighbor in the front room with his good clothes on than chatting over the back-yard fence—its the man in the back-yard that I like to know."

The special short course in cheese-making which closed on March 16 was successful in every way. Thirteen entered, of whom twelve finished. Cheese was made daily under the instruction and supervision of Mr. E. L. Aderhold, of Wisconsin. Mr. John Michels gave the class some lectures on the chemistry of milk and cheese, and on the use of the Babcock test. Prof. Marshall gave lectures daily on dairy bacteriology. Both Michigan and chedder cheese were made. The class made over 100 thirty-pound cheeses.

THE M. A. C. RECORD.

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For various reasons THE M. A. C. RECORD is occasionally sent to those who have not subscribed for the paper. Such persons need have no hesitation about taking the paper from the postoffice, for no charge will be made for it. The only way, however, to secure THE RECORD regularly is to subscribe.

"Ye sprightly youths, quite flush with hope and spirit,

Who think to storm the world by dint of merit.

To you the *dotard has a deal to say,
In his sly, dry, sententious, proverb way!
He bids you mind, amid your thoughtless
rattle,

That the first blow is ever half the battle; That tho' some by the skirt may try to snatch him;

Yet by the forelock is the hold to catch him; That whether doing, suffering, or forbearing.

You may do miracles by persevering."

*Father Time.

The next issue of this paper will be on April 9.

The RECORD acknowledges receipt of House Bill No. 153, to establish and maintain a State hospital for consumptives. The bill appropriates \$60,000 for building and furnishing a hospital in or near the city of Ann Arbor and under the supervision and government of the board of regents of the university. The further sum of \$4,000 annually is appropriated for the maintenance of the hospital. The objects of the hospital are, (1) the, proper care of consumptive patients; (2) the training of physicians and nurses with especial reference to tuberculosis, its care, restriction, and prevention; (3) the scientific study of the disease. The expenses of in-digent patients are to be defrayed by the counties from which they are sent. Other patients are to be admitted on payment of a fee to be fixed by the board of regents. To a layman the bill would seem to have more than ordinary merit and to deserve the careful consideration of the legislature.

The program for the spring term, which will be ready for distribution by the time this meets the eyes of students, will, no doubt, be disappointing in that it does not keep the four-to-five hour free from class exercises. As far as possible the hour has been kept vacant; but a little study of the program as a whole will reveal the fact that, with our largely increased numbers and limited equipment in shop, in laboratory and in teachers, it is impossible to get the work into the hours of the day without requiring some to take class-work during this hour. The arrangement of a program is a very complicated matter; the most innocent and immaterial change, will frequently affect interests apparently the most remote. As we grow in numbers the division of classes into sections becomes more and more involved, and the demand on the patience and adaptability of teachers and students alike becomes more exigent. Greatness has its penalties; we can forego them only by becoming small again.

HOWARD EDWARDS.

Tribute of Respect.

Whereas, it has pleased our Heavenly Father to remove from us a highly respected member of our society, Edward P. Bouton; therefore be it

Resolved, that we, the Adelphic Society, do sincerely mourn our loss and extend our heartfelt sympathy to his friends and especially to his family. And be it further

Resolved, that a copy of these resolutions be sent to his bereaved

Adopted March 23, 1901.

AUGUST F. FREY,

WM. KRIEGER,

ORLA L. AYRS.

Committee.

Botany Club.

Dr. Beal read a paper before the Botany club last Tuesday night on the "Relation of Botany to Agriculture and Horticulture."

The ground was covered very thoroughly and there was no doubt left in the minds of the hearers of the importance of the study of botany.

any.
G. M. Bradford then gave a talk on "Grafting." It was mainly a review of his work in connection with his thesis which he has been doing this term in the greenhouses.

D. S. B.

Officers Elected.

The Phi Delta Society have elected officers for next term as follows:—President, O. H. Skinner; warden, E. A. Epple; secretary, J. H. Prost; treasurer, J. F. Chamberlain; Reporter for Record, Drury Porter.

At the annual election of officers for the Y. W. C. A. held two weeks ago, the following officers were elected: Pres., Clara Waterman; vice-pres., Bessie Cordley; sec'y., Mabel Severance; treasurer, Elizabeth Johns.

The Union Literary Society have elected the following officers for the spring term:—President, Hugh P. Baker; vice-president, Albert G. Craig; secretary, Richard L. Yates; treasurer, Lee Landon; marshal, J. P. Haftenkamp.

At the regular meeting of the Prohibition Club on Friday evening, March 22, the following officers were elected for the spring term: B. Wermuth, president; W. F. French, vice-president; F. M. Morrison, secretary-treasurer; W. W. Wells and D. S. Bullock, program committee.

At the meeting of the Electrical Club Monday evening, March 26, Mr. E. W. Richmond read three interesting articles. The following officers were elected for the spring term: President, Frank K. Brainard; vice president, Adrain Nagelvoort; secretary, William F. Uhl; treasurer, L. H. Barrack.

Officers of the Adelphic Literary Society for next term were elected as follows: President, B. S. Brown; vice president, G. C. Morbeck; treasurer, C. G. Bailey; secretary, C. I. Brunger; marshal, A. J. Decker; record reporter, A. F. Frey; member for College entertainment board, O. L. Ayrs.

At the last meeting of the King's Daughters the annual election of officers was held with following result: Leader, Mrs. Annie Gunson; vice leader and treasurer, Mrs. Ella S. Weil; secretary, Mrs. Paddock. A cordial invitation is extended to College residents who are not members to unite with the organization for the work of the new year.

About the Campus.

M. B. Stevens has been appointed drum-major of the band.

Sick list the past week—Dick Yates, Hugh Baker, A. G. Craig.

Prof. Smith and wife entertained some of the seniors on Friday evening.

Prof. A. H. Taylor expects to spend his Easter vacation in Chicago.

B. H. Takvorian has received his appointment as guide at the Pan-American Exposition,

On Wednesday last Prof. and Mrs. Bemies entertained the bachelors of the station terrace.

President Snyder was in Ann Arbor last Thursday acting in the capacity of judge at the university oratorical contest.

Mr. A. W. Jewett of Mason was here last Thursday to consult with Prof. Taft in regard to the Michigan horticultural exhibit at the Pan-American.

The Union Literary Society held their annual freshmen declamatory contest last Saturday night.—C. G. Woodbury won first honors; Harry Meek second.

Mr. and Mrs. J. D. Towar entertained a large company of people on Friday and Saturday nights in honor of their guests Mr. and Mrs. Fish of Sodus, N. Y.

The water of the Red Cedar River has overflowed the flats south of the president's house covering the new athletic field to the depth of two or three feet.

Prof. I. C. Russell of the university and Mr. Bryant Walker of Detroit were at the College last Tuesday visiting the botanical and zoölogical departments.

Saturday evening the Phi Delta Society entertained ladies. Mr. Baker of Lansing furnished excellent music, and dancing and euchre were freely indulged in.

Mr. L. D. Watkins, father of Hon. L. Whitney Watkins was a visitor at the College last Wednesday. Mr. Watkins is one of the staunch farmer-friends of the College and always has a good word to say in its behalf.

Signs of spring have not been wanting around the campus during the past week. The zoölogical department have noted the return of the following birds: Saturday, March 16, bluebirds; Sunday, morning doves; Monday, killdeer, blackbirds (3 species), song sparrows; Tuesday, meadowlarks.

Miss Martha Taylor gave a surprise party for her brother, L. H. Taylor, in honor of his birthday, Saturday evening. The party consisted of about twenty of Mr. Taylor's friends at the College and Lansing. After a few stories and jokes, the party sat down to a five-course supper. Misses Buskirk and Bristol helped Miss Taylor entertain.

Prof. Beal has been in the habit for a long time of making most practical use of the bulletins issued by the various experiment stations. He has secured from 10 to 15 copies of each of the bulletins desired and uses them as text-books in some of his classes. Since they embody the very latest and best thought on the subjects they treat they are much better than the less recent text-books would be. A sort of seminary method is used in the class.

The agricultural juniors have their experiments outlined for next term as follows:—Messrs. Baker and Young, relative value of forage crops; Kocher and Skinner, determination of loss of moisture by means of weeds; Dunford & Geib, necessity of nitrifying germs in the soil; Dail and Wilson, effect of fertilizers on nitrification; Wright and T. D. Stevens, effect of drainage on soil temperature and moisture; M. B. Stevens will determine the value of seed corn taken from various portions of the ear.

The General Teachers' Meeting.

On March 12 the second general teachers' meeting of the term was held, the subjects being the work of the institutes, the short courses, and the experiment station bulletins. The address was by Professor Smith, and dealt with these matters under the general head of College extension work.

Professor Smith said that by College extension work he meant mainly all educational work done outside the campus, although such a definition does not embrace the work of the short or special courses. Taking up, first, the institutes, he explained the need for them by saying that if all men could go to college there would be no place for institutes; but all men do not and cannot go to college nor in all cases, even to the high school. Hence the necessity for carrying instruction to them.

The legislature of 1899 appropriated for the institute work of the two years following the sum of \$15,-500 and limited the expenditure of this sum to counties having a regularly organized institute society. There are now sixty-five such counties. In the arranging of institutes, the institute director corresponds with the secretary of the county institute society and he in his turn discusses with other directors the places and the topics of the forth-coming meeting. By mutual discussion and agreement these matters are decided. The one-day meetings are usually located at outof-the-way places, and reach the farmer in the rough. They constitute the kindergarten work of the College extension course. Contrary to what might be expected, the class of men most frequently asked for in these meetings is the college professor or his equivalent. The people want good scientists who understand the basic principles of agricultural procedure. At the two-day meetings the demand is for practical agriculturists and local speakers who know well the immediate neighborhood, its soil, climate, and conditions and whose experience is immediately available.

The one-day man is expected to speak three times during the day and after this to travel during the night or early morning to his next station.

During the past year 144 one-day institutes were held, not more than four being held in any one county. The cost of the 144 one-day meetings was less than one thousand dollars.

Prof. Smith enlarged on the great benefit of these one-day institutes. It was an inspiration to see the in-tense interest awakened. He mentioned one case where out of an assembly of 400 people only ten took a paper of any kind. The following year over one hundred copies of The Michigan Farmer alone were taken.

The next meeting in importance is the regular county institute. For this the county secretary selects the topics, and to him a list of speakers is sent from which he makes a choice. To each county institute three workers are sent, one being a lady. A separate women's section is not very well liked unless the woman sent is capable of giving a demonstration in cooking or sewing. In general, the demand is for special topics treated by specialists; such, for instance, as bacteria in the soil, physiology of plant roots, etc. Practical farmers do not serve the specific purpose. Even the evening programs heretofore devoted to general topics are becoming more and more specialized. Of these two-day county-institutes sixty-four were held during the winter at a cost of \$2,264.90; more than twice the cost of the 144 one-day institutes. It should be stated that the railroads contributed during the year about \$2,000 in reduced fares. The system keeps the College in close touch with the practical farmers and makes the College the leader in agricultural matters.

The capstone of the system of farmers' meetings is the State Round-up. To this meeting the expenses of county secretaries, not exceeding five dollars in any case, were paid from the Institute fund. The Round-up just held cost the State about \$600. About 500 people were present from a distance. The meeting was a very enthusiastic one, and was immeasurably beneficial to the agricultural interests of the state and to the College.

For the coming two years \$15,-000 are asked from the legislature. The work of the Farm-Home Reading Circle is to be enlarged on the Chautauqua plan. Correspondence courses in agriculture, domestic science, and horticulture are to be instituted. Leaflets are to be sent out, and written examinations to be held. As proof that the plan is practical, Prof. Smith cited the work that is being done in New and Pennsylvania, laying especial stress on the Scranton Correspondence School.

SPECIAL COURSES.

The special courses are offered to meet the needs of those who can attend school only for a short time. Of these courses there are six, the most expensive is the creamery, The creamery course teaches how to make butter and to run the Babcock test; it gives some knowledge of the bacteriology of butter-making. The product made in the school commands a high price in the market. Prof. Smith gave a somewhat detailed summary of the work

of the other five courses, laying especial emphasis on the beet sugar course. The total attendance on the special courses has been 81,

EXPERIMENT STATION.

The experiment station is supported by the United States, with a yearly appropriation of \$15,000, and has, besides, a yearly income from the fees for fertilizer tests, etc., of \$1,600. Its work is original investigation of questions pertaining to agriculture, and the instruction of the farmers through the bulletins

Prof. Smith discussed at some length the relation of the experiment station to the College, and favored a rather stronger line of cleavage between the two, on the ground that where the same man does work in both college and experiment station, the work of one or the other is sure to suffer. He cannot be equally interested in both. As an example of what the experiment stations are doing for the country, it was stated that the Canadian government had lately spent over \$100,000 in inducing immigration into Canada. Of this sum some ten per cent. was spent in Michigan, and as a result, from Shiawassee county alone forty-two families had gone to Canada. Mr. Geismar, of the northern peninsula experiment station had found this out and by his own efforts alone had counteracted the efforts of the Canadian government in Michigan. Prof. Smith gave a long list of results brought about by the work of the experiment station, any one of which would more than pay for the cost of maintaining the stations.

At the close of Prof. Smith's address, an animated discussion of the work of correspondence schools was developed on the proposal to establish a correspondence school in connection with the Farm-Home Reading Circle. The general trend of

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opinion being rather favorable to such work. All acknowledged, however, the proverbial danger of "a little learning," while in some it may tend to develop a foolish and

harmful conceit of knowledge, in many cases it serves a good purpose, gives serviceable knowledge, and arouses ambition for larger attain-HOWARD EDWARDS.

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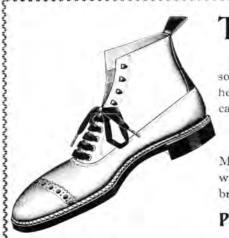
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Old Students.

Edward R. Russell, '99m, 614 Congress street E., Detroit, in a letter to the President, says among other things:

"There is quite a colony of M. A. C. men here, and some one periodically mentions a Detroit M.A.C. Association, but no one takes hold to push it. If once started I believe

we could give our Chicago brothers a merry chase.

"As for myself, am well and prosperous. Was the recipient of a handsome increase in salary the first of the year, and am getting along well,"

E. Ralph Pierce, with '94m, is foreman of the drafting room at the Northern Engineering Works, Detroit, and is practically chief draftsman under the chief engineer.

Friends of Dougal J. G. Mac-dougal, with '01m, will be pleased to learn that he is to return to College next September and finish his course. His present address is 2039 McCulloch St., Baltimore, Md.

Mr. M. H. Lapham '99a, who is employed as scientific aid in the division of soils of the U.S. Department of Agriculture at Washington, has been visiting at the College during the past week. Mr. Lapham is on his way to California to do experiment work for the government.

Mr. Bronson Barlow, with 1900, of Turin, Mich., has sent Mr. B. O. Longyear a parasitic fungus on a species of spruce, which causes swelling and crackling of the bark on the limbs. The fungus is evidently an undescribed species. Mr. Longyear is still working on it, and hopes to place it soon.

C. H. Spencer, '72-'73, writes from Zanesville, Ohio: "I am toiling away as designing engineer for the construction department of this road [the Baltimore & Ohio]. Am at the head of the designing department and have charge of all the work. I have a very warm place in my heart for the dear old College, and hope soon to be able to again visit its portals."

About Campus.

The March number of the Pratt Institute Monthly will prove of great interest to women students.

The members of the Eclectic Society enjoyed a social time after the regular meeting Saturday at the expense of the newly elected officers for the coming spring term.

Through the kindness of Mr. W. R. Bradford, instructor of woodmaking, the library has become the recipient of a very handsome filing box, for which the librarian feels deeply indebted.

Mr. John Michels, instructor in dairying, has just completed a batch of Cheddar cheese for exhibition next summer at the Pan-American exposition. Mr. Michels contem-plates making a full exhibit of both butter and cheese during the exposition season.

In recent issues the Chicago Daily Drover's Journal published two descriptive illustrated articles of the interior arrangement of the new dairy barn at the College. Both articles were illustrated by two large three-column cuts each. This well proves how much more popular the ideas and methods as carried on un-

der modern scientific methods are becoming among practical men than they were eight or ten years ago.

Prof. Barrows, secretary, has issued an announcement of the seventh annual meeting of the Michigan Academy of Sciences to be held at Ann Arbor, March 28-30. Prof. H. S. Carhart, of the University, will deliver a lecture the first evening on "The Place of Physics in a Liberal Education." Part of the second day the Academy will join the Biological Section of the Michigan Schoolmaster's Club for a session devoted mainly to the interests of science teaching, at which the re-tiring president of the Academy, Prof. Charles E. Barr, will probably deliver his address on "Nature Study in the Schools." The announcement says that " more than a score of valuable papers have been promised, and an unusually interesting meeting is assured."

The "Proceedings of the Twentyfirst Annual Meeting of the Society for Promotion of Agricultural Science, 1900," has recently been published by authority of the society. This society was founded in 1886 for the object implied in its name. Its membership is limited to one hundred and is composed almost entirely of faculty members of agricultural colleges, and employees of experiment stations and the departments of agriculture at Washington and Ottawa. So far four men connected with M. A. C. have been honored by election to its highly-prized membership, Dr. Beal, Dr. Kedzie, Prof. A. J. Cook, '62; m. s. '65, who was professor of zoology here from '68-93, and is now at Pomona College, Claremont, California, and Prof. Herbert W. Mumford. Dr. Beal was the first president and served two terms, 1880-'82. He was reëlected in 1899 and again in 1900. Dr. Kedzie was president from

1887-'89. The "Proceedings" include Dr. Beal's address as president and his paper entitled, "Syllabus for a Short Course on Grasses and Other For-

age Plants."

New Teachers' Monographs, a quarterly magazine published in New York, has requested permission to publish Dr. Beal's paper, "How Shall a Young Person Study Botany," read at Rochester before the New York State Science Teachers' Association on December 28. Prof. Charles W. Dodge in his report of the meeting in Science for. March 15 has this to say of Dr. Beal's paper: "The paper opened with a very interesting account of the reader's experience as a pupil of Agassiz and of Gray - 'The work with Agassiz helped me more than that of any other teacher with whom I ever came in contact, and yet no teacher ever told me so The paper advocates the study of plants rather than the study of books about plants; the examination of many related species rather than of so many isolated 'types.' The use of the compound microscope ought not to be learned until the latter part of the course. The formation of an herbarium was discouraged. The paper contained a list of most suggestive and interesting topics for individual work for beginners."

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