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MECHANICAL ENGINEERING.

The course in steam engine design, formerly given in the fall term, has been switched to the winter term, in accordance with plans of Assistant Professor Greenman, and a text has been adopted for the work this term which outlines every step in design, in detail. There will be no drawings, so that most of the time will be employed in determining the principal dimensions of a complete engine, using graphical and analytical methods. This change in schedule gives four credits to this course where three were formerly allotted, and it also places the jig and fixtures design in the spring, with three credits, and makes of it an elective, or offers a choice between it and the course in machine tool design. The latter course is considered of much greater importance, and hence will be chosen over the other, which was formerly required. These changes also put gas power engineering in the fall, and make of it a required course. The new arrangement is felt to be decidedly superior in sequence, and also in the fact that it offers better opportunity for selection of those courses which are most important commercially.

A considerable improvement has been made in the drawing standards in this department, which makes them fit in with the new filing scheme. A card index is kept of all drawings, containing on each card such specific information as (1) to when made, (2) on what other drawings it appears, (3) changes made in design, and (4) symbols which make it possible to find immediately the drawing or drawings desired. With this is associated a card index of all patterns which are symbolized and arranged according to system in the pattern room.

The system of cataloging catalogs is also worthy of mention. An attempt is made to secure the latest editions of catalogs of all kinds of mechanical equipment, and these are indexed, first alphabetically and then by the important items, making it possible to find quickly an illustration of any article desired. This index, together with the catalogs, will be found in the Engineering Library, all thin catalogs and pamphlets being in letter files and the more bulky ones in sectional book case units. It is probable that the several engineering departments will turn their catalogs over to the man specially in charge of this work in the library, who will be able to give sufficient time so that all new catalogs are indexed properly and old ones removed.

The Lunkemheimer Co., of Cincinnati, has presented to the mechanical department a stand of samples, including oil cups, grease cups, whistle, pop valve, injector and blow off valve. It represents a comprehensive sample of every kind of engineering specialty used in a power plant. This company has also given a set of full scale blueprints, illustrating large varieties of valves and other power plant equipment.

REORGANIZATION OF GRADUATE WORK.

The following resolution, which has been adopted by faculty action, puts the organization of graduate work upon a different basis than it has been in the past:

Resolved, That hereafter the matter of graduate study and professional and higher degrees be left with the dean of each department, and such sub-committees as he may select, with the further proviso that the deans shall form a permanent committee, which shall recommend to the faculty all candidates for advanced degrees.

The committee in charge of this work in the past, which was one of the standing committees of the faculty appointed by the president, has been discontinued, but the regulations and requirements for advanced degrees and advanced study remain the same. These were given in our issue of Oct. 20, 1914.

This committee of deans, which includes Dean R. S. Shaw, Dean Georgia White, Dean R. P. Lyman, and Dean G. W. Bissell, has expressed a willingness to assume responsibility for the direction of post graduate work, but feels that it should not be encumbered with details except in important cases, such as (1) safeguarding regulations and standards now in existence and recommending proposed changes, (2) passing upon all applications and details pertaining thereto, (3) recommending to the faculty all candidates for advanced degrees. The committee further recommends that a secretary be selected from the faculty or force of instructors, who will have permanent charge of this work. This latter recommendation is already being acted upon.

Ed. Smith, '12, recently visited friends in Washington, attended the A. A. A. S. meeting in Philadelphia, and spent the holidays with his parents at Lodi, N. Y., before going back to Grimsby, Ontario, where he is engaged in fruit cold storage work for the government.
THE M. A. C. RECORD

PUBLISHED EVERY TUESDAY DURING THE COLLEGE YEAR
BY THE MICHIGAN AGRICULTURAL COLLEGE
ASSOCIATION.

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C. S. Langdon, ‘11 - - - Managing Editor.

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TUESDAY, JANUARY 12, 1915.

REUNIONS.

According to the adopted plan for alumni reunions, which plan you will see in full by consulting your March 3d issue of last year, the classes which are slated to be back this year are as follows: ’01, ’02, ’03, ’04, ’05, ’06, ’07, ’08, ’09, ’10, ’11, ’12. Besides these, the class of ’95, which will hold its 20th anniversary, has already begun plans for a big celebration, and is in fact the only class that we have heard from definitely. The class of ’13 is the only one of the “youngsters” that is scheduled, but we naturally expect that large numbers of all the recent ones will be on hand. While it is a little early yet for many individuals who do not fall in the above mentioned classes, to tell whether it will be possible for them to be here and if they are planning on it, yet a word from anyone is almost sure to make some one else decide. May we hear from you? And of those classes regularly scheduled according to the Dix plan, it is none too early for the members to start agitation to bring back the largest possible number. The columns of the RECORD have been ingeniously constructed with the aid of these and the enthusiasm of the subscribers attending, a large list of new names will be sent in. It is imperative that we get more subscribers. Something over 300 has been added since September, but with 300 more we would be able to enlarge the RECORD and give much more fully the data of the College, and also give attention to matters which, for want of space, we are unable to print at all.

May the spirit of contest be awakened, and we will see which local association is most alive, as evidenced by the proportion of those belonging that are subscribers. This is a good index, as there is a vast difference between attending meetings for the pleasure of meeting old friends, and giving support to the association.

THE NEW VETERINARY BUILDING.

The new veterinary building, located just south of the poultry plant and east of the dairy barn, is completed, and is being used for the first time this term. With the completion of this splendid addition to the veterinary equipment, a free clinic for the animals of the surrounding region is inaugurated, and thus to the people of this region an innovation well worth their consideration is offered. All work in diagnosis and care of cases will be done by the college veterinarians, Dean R. P. Lyman, Dr. J. S. McDaniel, and Dr. J. P. Hutton, surgeon in charge. This offers a splendid opportunity for the students in veterinary science to become familiar with the daily routine of practice, the symptoms expressed by sick animals, and the technic of handling individual cases.

The new clinic, hospital and surgery building is of doric design, covering ground space of 174x78 ft., and so constructed as to separate the various phases of work. Entering immediately into a large consultation room, the different quarters, or rooms, for the various branches of work are easily reached from this common center. To the right of the consultation room is a wing projecting west, built for stabling patients; it is equipped with both single and box stalls for horses. Opening off of the main hall, facing the entrance, are two rooms of equal size, 20x30 ft., one equipped for medical clinic, the other a modern surgical operating room for operative work upon large animals. Here is seen the large-horse operating table, immaculately white to conform with the rest of the fixtures. This is operated by hydraulic power, and allows the horse, secured in the upright position, to be carefully lowered to a horizontal surface. This table has been ingeniously connected with the hospital stable by a door hinged at its base, and so adjusted that when open it meets the table on an incline, thus allowing the surgeon to slide his patient into a recovery stall without the necessity, heretofore required, of waiting for recovery from anesthesia.

The left wing of the building is designed for small animals, dogs and cats especially, and has, besides

(Continued on page 7.)
NEWAYGO COUNTY FARM SURVEY.

The farm survey of Newaygo county, commented on editorially in the Michigan Farmer for Jan. 2, which also contains an extensive report on the same subject by K. K. Vining, '13, of Fremont, deserves a good deal of attention from thinking farmers and students of farm management throughout the state. This survey was made by C. P. Reed, '01, farm management extension agent for Michigan. The fact that the figures secured are substantiated by those of similar surveys in other parts of the United States seems to give considerable weight to the report. Among other things, it is shown conclusively that a diversity of crops or products, except in unique instances, is absolutely essential to give the farmer anywhere near a satisfactory labor income. Labor income is defined as the pay that the farmer receives for his own labor.

On the 98 farms for which the data is tabulated, the farmers received an average of $262 for their labor. On the 11 dairy farms without any cash crops, the labor income was $114. Where potato raising was combined with dairying, the income was $442; dairy and fruit farming brought, in labor income, $513.

WORK ON SCHEDULES.

From the present outlook it is very likely that M. A. C. will have three big football games on the list next fall, viz., Michigan, Penn. State, and Iowa. The University of Texas has asked for the Thanks­
a possibility.

The baseball schedule will include three games with the University of Missouri is

ALUMNI NOTES.

George A. Burley, '07, is with the Good Roads Supply Co., of Detroit, 1408 Ford Bldg.

Glenn B. Hayes, '07, is manager of Essex County Light and Power Co., Leamington, Ontario.

W. B. Clark, '11, is draftsman with The Turner Co., of San Francisco, with residence at 235 Oak St.

O. A. Kratz, '07, is chief draftsman and head computer in the city engineer's office, Portland, Oregon.

Dana C. Hammond, '13, is with the Bradley Pulverizing Co., of Boston, Mass., and is now in Allen-town, Pa.

J. A. McClintock, '33, is still patiently nursing the injured cartilages of his hip. He expects to get out of bed soon.

L. B. Hitchcock, '07, is assistant engineer with the Arizona Eastern Railway; address R. F. D. No. 4, Phoenix, Ariz.

B. C. Stewart, '07, is efficiency engineer for the United Paperboard Co., with residence at 541 West Maple St., Wabash, Ind.

John A. Holden, '12, is in the engineering department of the Monroe Motor Co., Flint, Mich., and lives at 513½ Hazelton St.

A. B. Turner, '81, is agent for the Poinsett Lumber and Manufacturing Co., of Memphis, Tenn. Residence 201 N. McNell St.

G. C. Sheffield, '12, former alumni secretary and editor of the Record, has taken up county agent work in Kentucky, beginning Jan. 1, 1915.

A. J. Anderson, '04, editor of the Pennsylvania Farmer, attended Farmers' Week at Penn. State, and spent part of the week with Kains, '95.

The latest production of Ray Stannard Baker, '89, is a serial novel in the American, entitled "Hemphill." This is his first venture in the novel line.

J. H. Tibbs, '12, is principal of the Central Luzon Agricultural School at Munoz, Nueva Ecija, P. I.

A. E. Frutig, '11, has been doing reconnaissance work on the Kootenai, Deer Lodge, St. Joe, and Coeur d'Alene forests this past year, and will be in the office at Coeur d'Alene, Idaho, this winter.

H. R. Beckwith, '07, is manager of the Oliver Chilled Plow Works, at Harrisburg, Pa., and resides at 918 North Sixteenth St.

Jay Hanselman, ex-'07, is now with the West India Management and Consultation Co., with address at 129 Front St., New York City.

Stanley Harrison Perham, '11, is with Ammerman & McColl, engineers, 1310 Penobscot Bldg., Detroit. Perham lives at 509 John R. St.

"Pud" Wilson, '11, has charge of several counties in county wood lot investigation near his old home now, and lives at 28 Mill St., Plymouth, Wis.

Mrs. H. W. Reynolds (Elvine Armstrong, '04), is present in Manila, P. L., and mail will reach her if sent care the engineering department of the University of the Philippines.

The memorial committee of the class of 1914 has sent out to the members of the class a very urgent appeal for the consideration of a memorial to be presented to the college.

A. W. Wilson, '07, will be listed in the next catalog as follows: Wilson Motor Sales Co., 1222 Traders' Bank Bldg., Toronto, Ont. Residence, 2 Fernwood Park Boulevard, Toronto.

John A. Holden, '12, is in the engineering department of O. S. U. He writes that there are 4,500 students enrolled in the university, and 27 seniors, 28 juniors, and 59 sophomores in the C. E. department. He writes: "This year a grad. from Penn. State wanted to bet me some change on a certain game, but I have not seen him since the score was announced."

From the November proceedings of the American Society of Civil Engineers we have the name of
Dalton Moomaw, '07, as associate member. Moomaw is now deputy county surveyor and road engineer of Cuyahoga county, 1215 Lakeview Rd., N. E., Cleveland, Ohio.

B. F. Kindig, sp. '11, is with the state entomologist of Indiana, with headquarters at Elkhart. His work is with horticulture and bees. While in college, Kindig did some work for Prof. Pettit, and once, after he had been spading the garden, Mrs. Pettit remarked that now they had someone who knew how to dig.

The following were also in attendance at the meeting of the A. A. A. S. at Philadelphia: Prof. E. C. Bessey, Prof. H. J. Eustace, L. M. Hutchins, '13, fruit disease work with the B. P. L. R. R., A. T. Tharp, '13, assistant horticulturist at the Delaware Station; Ernest Hart, '14, charge of experimental department of Niagara Sprayer Co., at Middleport, N. Y.

Volney P. Bayley, '65, gives some very interesting history: "I entered college in the spring of '81. My father, James Bayley, assumed the duties of superintendent at that time, and was also general financial agent and had charge of the boarding hall, Saints' Rest. We had a good class—such men as Frank Hodgman, A. J. and E. J. Cook, Prof. Prentis Jewell, Little Preston. The professors were noted teachers, such as Manley Miles, George Thurbur, L. R. Fisk, T. C. Abbott. We all worked three hours per day in farm or garden, and received seven cents per hour. I graduated from the State Normal at Ypsilanti in '66, and have been engaged in the piano business in Detroit since May of that year."

The following has been received from Flora Bates, '11:

At present I am teaching in a rural school at Dexter, Oregon. We have in connection with the school a kitchenette, all equipped for serving hot lunches to the children at noon. It is something very new out here. In fact, the supervisor says it is the only one of its kind in the state."

K. K. Vining, '13, instructor in agriculture at Fremont, is certainly making a "go" of it. If results prove anything, he has agreed to stay another year and two summers, and will do garden work with the town boys, and with the co-operation of the canning company, has some attractive propositions for the country boys.

E. N. Bates, '06, instructor in Mechanical engineering at Penn. State, writes as follows: "I wish to O. K. all that has been said regarding the good impression made by the M. A. C. boys at State College. I have heard nothing but favorable criticism of President Snyder's fine speech, the team's excellent work, and the fine playing of the band. I am no expert on football, for it seems to me that the most agile, athletic gymnast of the institution always acts as yell master. A football team of yell masters would make the "All Western Stars" look like a bunch of sophomore ags, out after humming birds. However, a man who has seen practically all the football played at this institution for the last 18 years told me that the M. A. C. game was the cleanest game that he ever saw at Penn. State. By the way, anyone who thinks that a soft-voiced job like editing a farm paper weakens the vocal cords should have heard A. J. Anderson use his pipes at the game. I expected something pretty good along that line from C. C. Taylor, but Anderson certainly surprised me."

For the past seven years C. A. Lamb, '06, has been with G. C. Hodgson & Co., of Dayton, Ohio, working at present for the Oswego Construction Co., Fulton, N. Y., which company does dredging, lock and dam work, and also bridge work. It has finished a half million dollar barge canal at Fulton, and now has a $50,000 contract for a bridge at Watkins, N. Y. Mrs. Lamb was Ella MacManus, '08.

GRAND RAPIDS UNIVERSITY CLUB.

There are at least 500 graduates of colleges and universities in Grand Rapids. One hundred of these people, representing U. of M., Wisconsin, Illinois, Dartmouth, Northwestern, in fact nearly all the prominent colleges in the country have each subscribed $50 for which stock in the Grand Rapids University Club is to be issued. A notable thing in regard to the personnel of this number is that M. A. C. is not counted among those present. It is desired that all colleges be represented. The club is even now deciding upon rooms and is planning on daily luncheon service where all the college men may meet together, surely a worthy movement.

At the banquet held during the holiday vacation, at which time the inception of this club was consummated, 110 men were present, among whom was not a graduate of M. A. C. However, eight students of M. A. C. were present, these constituting a part of the junior members of the club which admits any who have had two years of college work. In fact, it was the Grand Rapids Club of M. A. C. that really started the agitation that has led to the forming of this University Club. That M. A. C. is wanted in the club is shown by the fact that she was given second place, right after U. of M., for the election of a representative of the club in college. We have at least 25 graduates in Grand Rapids and it seems that some of these at least should become affiliated with this club, not only to uphold the reputation of M. A. C. but to act as a nucleus to which recent graduates and those soon to graduate may be drawn.

TOLEDO BUCKEYES FAST.

Outclassed in team work the home boys went down to defeat to the tune of 33 to 23 in the opening game of basketball in the armory (auditorium and dancing pavilion) last Saturday night. At the end of the first half the score stood 21-10 in favor of the Ohio boys. In the second half the M. A. C. boys came back with football ginger and scored 13 against the Buckeyes 12, but the lead was too great. Frimodig, at center, made five of the seven fouls that counted goals for the Ohioans. Hewitt Miller threw three fouls and missed several. DePrato, at guard, had a hard time holding his man down and it looks as if some on the waiting list would get a chance at that position in some of the following games.

The Buckeyes scored 13 baskets from the field and the Farmers 10, which, of course, doesn't count the several times the ball rolled tantalizingly around the edge and dropped outside.

Dutch Miller, at guard, and Hewitt, at forward, were the stars, and Blake at the other forward made some good throws from the field. In the closing few minutes Klicker substituted for H. Miller.

Wednesday of this week the boys meet Hope college in the armory, and on the 15th the Illinois Athletic Club.
THE NEW VETERINARY BUILDING.

(Continued from page 4.)

an operating room, quarters for ordinary cases, such as a skin-disease ward and, with an entirely independent entrance, a contagious-disease ward.

The remainder of the building has rooms for laboratory diagnosis, pharmacy, instrument and sterilizing purposes, as well as a suite of offices for the surgeon in charge. All who can find time to inspect the new building are invited to do so at their earliest opportunity.

EIGHT WEEKS SHORT COURSES.

The registration for the so-called "short" course, to designate it from the long short course of sixteen weeks, began Jan. 4th, and under the direction of Horace W. Norton, Jr., '03, assignment to the various courses proceeded with dispatch. In spite of the fact that the majority of those enrolled are new to college ways, little difficulty was experienced in finding rooms or classes, and the short termers went at their work with their usual push and enthusiasm. The total enrollment was 260, which, with the 160 enrolled in the "long" short course, makes the total 460, the largest number of people that ever took the winter courses at M. A. C. The apportionment of those enrolled is as follows:

- General agriculture, first year: 127
- General agriculture, second year: 60
- Cheesemaking: 4
- Creamery: 32
- Horticulture: 18
- Housekeepers: 12
- Poultry: 17

Total: 260

WILL YOU BE IN ROCHESTER, N. Y., JANUARY 28th, 1915?

Some 80 personal invitations have been extended to M. A. C. alumni in New York state to attend an informal dinner at the Hotel Rochester, Rochester, N. Y., at 6:30 p. m., Thursday, Jan. 28, 1915.

Ladies are especially invited, and many have already signed their intention of coming.

All alumni and students in this vicinity are urged to come. Advise J. P. Haftenkamp, '05, care of Rochester Railway & Light Co., Rochester, N. Y., or Dr. B. S. Palmer, '81, Palmyra, N. Y., at 6:30 p. m., Thursday, Jan. 28, 1915.

THE PORTRAIT FUND.

"No person could come in contact with such men for ever so short a time and not carry away more of value, many times over, than what he could give. Money cannot always measure value."—W. T. Langley.

We are very glad to report that the Portrait Fund is very deservedly receiving contributions with almost every mail. One gratifying thing about it is that recent graduates, who never came in contact with these great men and who received no direct benefit of their work, have a feeling of willing responsibility to the M. A. C. that Dr. Miles and President Palmer could not possible. The following is the list of subscribers this last week: Robert W. Humphries, Jr., '85; W. T. Langley, '82; J. C. Green, ex-01; B. F. Davis, ex-01; G. A. Turner, '81; E. D. A. True, '78; J. E. W. Tracy, '96.

THE M. A. C. RECORD.

NEWS AND COMMENT.

David Starr Jordan has been selected to give the Commencement address next June.

The Hesperian winter term party will be held the 16th of this month, in the Agricultural building.

There are 66 juniors taking mechanical engineering laboratory this term, and 24 senior mechanics.

Dr. Edward Hofma, state senator from Grand Haven, is taking short course work in bacteriology.

A petition for military training and service in the University was presented to the University Regents at their November meeting.

The Union Literary Society held a "ten o'clock" last Saturday night, with Mrs. Landen and Mr. and Mrs. Thomas Gunson as patrons.

The old dairy building can no longer be referred to as such, for the stone masons are cutting off the word "Dairy" above the door, and "Forestry" will be placed in its stead.

A new Ott current meter with float attachment has just been received by the civil engineering department from Germany, making a very valuable addition to the equipment of the department.

Less than one per cent of the young people of America go to college—and the names of over 50 per cent of these are found in Who's Who in America.

A new full unit Fairbanks-Morse electric power plant for the farm has been installed in the farm mechanics laboratory, and will be used by the short course men.

The annual meeting of the Michigan Improved Livestock Breeders and Feeder's Association will take place at the College, Jan. 13th and 14th. A host of good things are scheduled for the meeting, and besides the regular program, the banquet Wednesday evening is a great attraction.

Fifteen new students came in for the regular work at the beginning of the winter term. Eight of these are graduates of high schools, and represent those who were unable to start at the beginning of the regular school year. The other seven are all entering on advanced credit. One of these has an A. B., and several of the others are graduates of normals.

The University of Michigan will conduct, in February, a one week's course for the benefit of county, township, and state highway engineers, and for highway officials of the state. P. F. Rogers, M. A. C. '92, of Lansing, will be one of the speakers. It seems a pity that Mr. Rogers should have to go so far from home to address a gathering of this kind.

Dr. Beal writes: "On December 19, Ned Milton Fairchild, son of former President Fairchild, made us a short visit. Since 1906 he has been engaged in a unique service, for which he gave up the position of pastor of a church. This work led to efforts to establish in Baltimore, Md., a National Institute for Moral Instruction, now incorporated. The instructions is well systematized, consisting of illustrated lectures to children in schools and older people who are interested in philanthropy. Many courses of lectures have been given to students in college. President K. L. Butterfield is very much taken up with this work, and is planning to secure some of the lectures for the short courses at Massachusetts Agricultural College next summer."

Clay Tallman, '95, is now Commissioner of the General Land Office, Washington, D. C.
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ALUMNI NOTES.

William Caldwell, '76, is farming at Milford, Mich.
George S. Jenks, '90, is with the American Sheet and Tin Plate Co., Frick Bldg., Pittsburgh, Pa.
A. G. Craig, '02, has just been elected president of the Washington State Horticultural Association.

George Harrison Branch, weight seven pounds, arrived at the home of G. V. and Mrs. Branch on Dec. 18th.

Died in Lansing, Dec. 21, 1914, of septicaemia, Karl Blake, second son of Mr. and Mrs. S. F. Edwards, age one year and five months.

Dan W. Mather, '13, stopped at the college on his way to Chicago for the holidays, from Charlevoix, where he manages a large fruit farm.

C. B. Peck, '01, is associate editor of Railway Age Gazette, Woolworth Bldg., New York City, and lives at 41 Hamilton St., East Orange, N. J.

R. W. Sloss, '11, was, on Jan. 1st, admitted to membership in the firm of W. J. Sloss & Son, Big Rapids, Mich. W. J. Sloss is of the class of '76.

E. C. Green, '87, has been, for the past year, engaged as cotton expert for the Brazilian government, with headquarters care of Jardim Botanico, Rio de Janeiro, Brazil.

W. G. May, '30, is sales engineer with the Allis Chalmers Mfg. Co., 1005 First National Bank Bldg., Cincinnati, Ohio, with residence at 4223 Linden St., Norwood, Ohio.

George Tryon, '03, is superintendent of construction for the Anaconda Mining Co., of Anaconda, Mont., instead of chief draftsman, as listed in the RECORD of Dec. 1st.

K. B. Lemmon, '05, first Lieutenant with Coast Artillery, U. S. A., formerly at Fort McKinley, Portland, Me., visited the college last Wednesday, on his way to Fort Stevens, Astoria, Oregon.

W. H. Small, '08, is advisory engineer for the Dominion Government, and at present is working on the erection of a two and one-half million bushel concrete grain elevator at Calgary, Alta.

D. P. Fischer, '12, is joint author, with Dr. Charles Brooks, of two scientific papers, which were presented at fruit diseases at the meeting of the American Physiological Society at the Philadelphia meeting of the A. A. A. S.

A. S. Armstrong, '06, is employed as superintendent for Bates & Rogers Construction Co., Chicago and Spokane, at present constructing a lock and dam across the Ohio river at Ashland, Ky., and two dams on the Muskingum river, in Ohio.

G. G. Robbing, '04, chief draftsman with the Shepard Electric Crane and Hoist Co., of Monitor Falls, N. Y., and H. L. Chamberlain, '00, chief inspector of safety at the Quincy mine, Hancock, Mich., visited at Dean Bissell's office during the holidays.

C. B. Waldron, '87, professor of horticulture at North Dakota Agricultural College, has been confined to the hospital for some time. He dictates that he will be pleased to make his contribution to the portrait fund as soon as the surgeon permits his release.

F. M. Barden, '08, in a letter to the Hort. Dept., tells of the very large and profitable crop of peaches that they harvested from their 15-acre orchard this year. Barden is cooperating with the Division of Horticulture, keeping an account of the financial record of this orchard.
S. F. Edwards, '99, after serving for nine and one-half years as professor of bacteriology at the Ontario Agricultural College, at Guelph, has severed his connection with that institution, and will open a commercial bacteriological laboratory in Lansing. His address is 307 Chestnut St., where, he says, "The latch string will always be out for M. A. C. people."

"I think many of the boys of '92 to '97 will be interested to learn that the old songs that they used to applaud so vociferously during our college days again scored a triumph during Farmers' Week at Penn. State, when "Kitty of Colerain" was encored by the audience, and "Old Man Moses" made his little bow and was even more loudly applauded. Also "The Little Farm" was exploited."—M. G. Kainz, '95.

"Through the efforts of R. C. Potts, '06, the dairy farmers of Oklahoma are to have a real treat on Jan. 13, in the way of a select dairy program. During that same week the "One-Week Farmers' Short Course" is conducted at this place. This is a school very similar to the Farmers' Week at M. A. C. My work here is continually increasing in interest and opportunity."—D. A. Spencer, '12, Stillwater, Okla.

One of the prominent addresses at the meeting of the American Association for the Advancement of Science was "The Place of Research and Publicity in the Forthcoming Country Life Development," by L. H. Bailey, '82, who is vice chairman of the recently created section of the general association known as section M, which represents agriculture. This address will doubtless be published in scientific journals, and will command unusual interest.

H. R. Allen, '95, writes Kainz that it has been impossible for him so far to attend any of the alumni gatherings at M. A. C. since graduation since his vacation does not coincide. He writes, however, that he may be present next summer, when '95 will celebrate its twentieth anniversary. The '95 boys will be interested to learn that he has changed very little since graduation, except a slight increase in weight. Unlike some of the others, he still has a thick hatch on his pate, and since he still keeps athletics, he is as young in spirit as ever.

E. F. Smith, '06, writes: "Last week we enjoyed a brief visit from L. J. Smith, '96, who was down from Winnipeg. He gave us quite a favorable impression of the Cannucks. He is the same Smith I used to know at M. A. C., except his features are a little more like the stately "Prof." than I remember him over in 'Old Wells.' The Rock Island Railway has gone busted, but I am still working for the fragments, and avoiding the scarcity of engineering jobs this winter. I think myself fortunate that my services have been retained in preference to several others."

H. W. Mumford, '91, professor of animal husbandry at the University of Illinois, and proprietor of Brookwater farm, Ann Arbor, Mich., has been chosen by the National Duroc-Jersey Association to be judge of the Duroc-Jersey classes at the Panama-Pacific Exposition. From the "Duroc Bulletin and Live Stock Farmer" of Dec. 15, we have the following: "Two of the oldest breeders and showmen in the Duroc business said, after visiting his place this summer, that anyone could tell that a man of rare ability in mating and breeding to a type was directing the building of that herd."

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ALUMNI NOTES.

Garfield Verran, '07, is with the bridge engineer of the Great Northern Railway, St. Paul, Minn. Verran's home is at Brady, Mont.

The Grand Rapids Club, a student organization, gave an M. A. C. dancing party at Grace church, Grand Rapids, Dec. 28th. The patrons were Mr. and Mrs. William Kent Clute, '86; Mr. and Mrs. H. I. Duthie, both of '11, and Mr. and Mrs. W. L. Miller, ex-'11.

Will Erwin Hale, '82, of Eaton Rapids, Mich., and Miss Ella Dockery, for the past five years supervisor of the domestic science department in Loveland, Col., were married at Rockford, Mich., Dec. 31st. Mr. and Mrs. H. I. Duthie, both of '11, and Mr. and Mrs. W. L. Miller, ex-'11.

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