

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 12.

LANSING, MICHIGAN, TUESDAY, APRIL 23, 1907.

No. 31

WEEKLY CALENDAR.

Tuesday, April 23.—Farmers' Club, Agricultural Bld., Law Points for the Farmer, Rep. J. J. McCarthy; Forestry Club, Hort. building.

Wednesday.—Horticulture Club, speaker, Instructor A. R. Kohler; Dairy club, Dairy building.

Thursday.—Associations, Y. M. and Y. W. C. A.; Debating Club.

Friday.—Student Recital at Woman's building.

Saturday.—Political Science Club; Track meet and base ball game with D. U. S.

Sunday.—Chapel exercises at 9 a. m., Rev. E. M. Lake, speaker; Sacred concert at 7 p. m.

Monday.—Chorus practice, 6:45.

SORORIAN SOCIETY.

Ye Sororian Literary Society gave a colonial party between ye hours of seven and ten after candle light, on ye evening of Friday, April nineteenth. Ye members were clothed in ye costumes of long ago, which fact furnished no little amusement. Ye program was varied and original, consisting of stories and pantomines in keeping with ye colonial times. Ye old fashioned and stately minuet rendered by eight of ye members was enjoyed by all. After ye program ye people partook of cocoa, tea, cake and candies. Miss Waugh and Miss Chapman acted as chaperons of ye members.

Y. M. C. A.

The talk of Mr. Pattengill at the meeting Sunday evening was greatly enjoyed by those who heard him. Mr. Pattengill is a very popular speaker with the students as was testified by the well filled chapel; there is a vigorous optimism about the speaker, which is exhilarating and inspiring. Although Mr. Pattengill's speech was full of laughter-provoking humor, yet mingled with this humor there were many serious lessons which made a strong impression upon the audience. The value of persistence, the influence of having a great vision, and the necessity of a sincere Christianity and a firm belief and clear knowledge of the Bible were some of the truths that the speaker most emphatically presented to the listeners. A strenuous demand for the clean life and a vigorous optimism might characterize the speech of Sunday evening.

The annual conference of the Presidents of the College Associations of Michigan is to be held at Olivet on the 26th-28th of this month. Mr. Barden and Mr. Weber are to attend and take part. This conference promises to be very helpful to those who attend. Dr. Fletcher and Prof. Sackett have been appointed by President Snyder as the Faculty representatives on the Y. M. C. A. Advisory Board. Dr. Fletcher succeeds Prof. Smith who has served faithfully on the board for two years.

STUDENT RECITAL.

The following program will be rendered at a recital given in the parlor of the Women's Building next Friday evening, April 26th, at 7:30. Program invitations will not be sent out for this recital, as it was not possible to have the programs printed early—but all members of the Faculty as well as all students and friends are cordially invited to attend.

The recital will be in part a so-called "lecture-recital" and explanations of many of the numbers to be given will be read.

PROGRAM.

- Piano duet—March from Tannhauser..... Spindler
Misses Vedder and Taft.
A La Bien Aimee..... Edward Schuett
Miss Grace Warner.
Glissando Mazurka..... Bohm
Miss Lois Garber.
Thine Own..... Lange
Miss Hazel Taft.
Going to Dreamland } Seeboeck
Leap-frog }
Miss Florence Hall.
Albumblatt II..... Merkel
Miss Grace Owen.
The Butterfly..... Merkel
Miss Nellie Bangs.
Nocturne Opus 9, No. 2..... Chopin
Miss Helen Andrews.
Song of Love..... Henselt
Miss Mildred Perrin.
Liebestraum..... Liszt
Miss Louise Allen.
Warum..... Schumann
Nocturne Opus 32, No. 1..... Chopin
Miss Irma Himelberger.
Norwegian Bridal Procession..... Grieg
Miss Florence Rounds.
Serenata..... Moskowski
Miss Edith Langenbacher.
Kamennoi Ostrow..... Rubenstein
Mr. Neal Perry.

LANSING AND THE CELEBRATION.

That our Lansing friends propose doing their share to make the day, May 31, a success, is evident from the plans being laid. President Roosevelt will be in the city but a couple of hours, but will find that Michigan's capital can extend a right royal welcome in that short space of time. A joint meeting of the various committees was held in the rooms of the Lansing Business Men's Association early last week and steps taken to arrange a program for that day. President Snyder and Prof. Kedzie met with this committee and the general plan suggested and committees appointed were as follows:

Messrs. J. J. Baird and J. Edward Roe were appointed a committee to secure carriages to take the presidential party to the capitol building. A committee from the council and business men's association will have in charge the arrangements for an auto ride to and from the college.

A committee composed of W. K. Prudden, R. E. Olds and Fred L. Smith are to have charge of the automobiles which are to form a part of the parade.

R. E. Brackett, Jr., E. A. Bowd, and James M. Skinner were instructed to erect a suitable arch, the city to furnish the illumination.

C. E. Bement, O. A. Jenison and E. V. Chilson were appointed a committee to act with Prof. Kedzie to secure rooms for visitors in the city during the celebration.

Col. Fred Shubel and Dr. H. A. Haze will select the third member from the military department and will have charge of the parade.

The matter of the street car service between the city and the college was left with the council committee and it is hoped arrangements may be made whereby the crowd can be taken care of.

The college certainly appreciates the co-operation of Lansing's council, Business Men's Association and citizens in an endeavor to make this event one long to be remembered.

THE MUSIC OF JUBILEE WEEK.

While great interest is being centered upon the coming of President Roosevelt at the semi-centennial celebration the fact should not be lost sight of that the music for the week will far surpass anything of the kind that has been heard at the college or in Lansing for a long time.

Musically, the crowning feature of the whole celebration will take place on Wednesday evening, when Mendelssohn's most beautiful and inspiring oratorio, "Elijah," will be sung by the college chorus assisted by an excellent quartette of soloists, and Bach's orchestra of 25 pieces from Milwaukee. The soloists selected for this occasion are: Mr. John Young, tenor, New York; Mrs. Lillian French Read, soprano, Chicago; Miss Viola Paulus, contralto, Chicago; Dr. Carl E. Dufft, bass, New York.

The chorus has been working faithfully under Miss Freyhofer's direction since the beginning of the fall term, and by the end of May will be able to give a rendition of Elijah that will be a credit to themselves and their director.

Bach's orchestra will be here during the three days, and will play at all public meetings. The College band will also play on several occasions.

It is expected that the singing of the old college songs by the students will be a great feature of the celebration, and one that will be particularly enjoyed by the alumni. Remember, students, that the alumni are going to watch you closely in everything you do, and they will be especially pleased with everything you do well; so, among other things, show them that you still know how to sing the college songs as they were sung in the "good old days."

At the April meeting of the American Chemical Society held at Kansas City on the 15th, former Instructor C. H. Swanger spoke on "The Work of the Bureau of Animal Husbandry."

ALUMNI.

'95.

J. P. Churchill is chief engineer for the Hay Foundry and Iron Works, Newark. His private address is No. 19 Whittlesey Ave., East Orange, N. J.

'04.

Newell Snyder, with above class, has recently been selected by the Omega Separator Company of Lansing for the position of head sales manager of that company in the east. His head quarters will be at Utica, N. Y.

'05.

E. C. Place is editor of a new weekly paper at Duel, Colo.

'05.

Invitations are out for the wedding on May 1 of Miss Mary Alice Butterfield and George W. Nichols, both '05, at 2771 Woodward avenue, Detroit. At home after August 1, Pittsburg, Pa.

'06.

Mr. L. O. Gordon and Miss Margaret Losey of Lansing were united in marriage Wednesday last at the home of the bride's parents, 318 Butler street, south. Only the immediate relatives were present. Rev. W. P. French officiated. Some of "Pink's" society friends went to the train to do the honors but missed the young people. Mr. and Mrs. Gordon will reside at 487 Congress street, Detroit, in which city the groom is employed as draughtsman.

We acknowledge receipt of the announcement containing account of the short course in horticulture given recently in Colorado. Under "Faculty of Horticulture and Entomology" in this bulletin are noted the names of Wendell Paddock, '93, B. O. Longyear, '03, and E. R. Bennett, '02.

Mrs. Mary E. Moon of Bay City, died at her home on April 1, the funeral being held from the Madison Ave. M. E. church. Mrs. Moon was the mother of Harry Moon, at one time the best all-round athlete in the M. I. A. A.

The strawberries in the forcing house look good enough to eat, but Mr. Craig informs us that they are to be used in another way. When ripe the berries will be mashed and the seeds saved for planting.

Instructor A. C. Anderson, of the Agricultural Department, was elected president of the Agricultural Section, Academy of Science, at its recent meeting here.

Another rousing mass meeting was held on Wednesday evening. These furnish an excellent opportunity for learning the yells and songs.

Miss Loreta Boies was confined to the hospital a few days the past week with ulcerated throat.

THE M. A. C. RECORD.

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

B. A. FAUNCE, MANAGING EDITOR
 ASSOCIATE EDITORS.
 MAUD FERGUSON, '07
 G. A. HEINRICH, '07
 A. GARCINAVA, '08
 G. S. VALENTINE, '08
 R. G. CARR, '08
 FLORENCE HALL, '09
 B. B. PRATT, '09
 H. L. CANTRICK, '09
 W. D. FRAZER, '09
 ALLEEN RAYNOR, '09
 R. J. ALVAREZ, SP

Subscription, 50 cents per year.
 Remit by P. O. Money Order, Draft or Registered Letter. Do not send stamps.

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

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

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

TUESDAY, APRIL 23, 1907.

IN last week's RECORD we gave an outline of the program to be carried out May 29-31, and in order that this celebration shall be kept before the alumni and friends of the college, we shall try to give each week something in the nature of an announcement regarding special features of the program. This week we publish an article on the general arrangement of the musical feature and later will perhaps present photos of the soloists who will be here at that time.

Other features will also be brought out from time to time, and we shall be glad to receive suggestions of what may be of greatest interest to RECORD readers.

JUNIOR ANNUAL.

You will, of course, want a copy of the Junior annual when published. Do you know how many copies are to be ordered? It's surely going to be "one of the best ever" and if you want to make sure of one give your order to the business manager as soon as he is ready to receive it. It will make one of the finest souvenirs you can secure and will remind you of something which happened at M. A. C. every time you pick it up. You will want a copy of course—everybody does.

ACADEMY OF SCIENCE.

The Agricultural Section of the Michigan Academy of Science was held in the college chapel Thursday afternoon of last week, when the following program was carried out:

1. Influence of Temperature Upon Lactic Acid Cultures, Charles E. Marshall and Louise Raemacher.
2. Solvent Action of Certain Soil Bacteria Upon Insoluble Phosphates, A. J. Patten and Walter G. Sackett.
3. Water System in Plants, J. B. Dandeno.
4. An Experiment to Show Whether Bumble Bees are Necessary to Pollenize Red Clover, W. J. Beal.
5. Notes on Pure Food Investigations, Floyd W. Robison.
6. Bounties for Harmful Animals, Walter B. Barrows.

BASE BALL.

The management is well satisfied with the showing made against Ann Arbor in the series of games played last week, Thursday, Friday, and Saturday. The continued cold weather had prevented systematic practice and this added to the fact that Michigan's team were all veteran players while of our own four were freshmen and playing their first game out of high school, should be taken into consideration. The lowest M. A. C. has ever held the University was seven and this would certainly augur good things in store for our present team.

The cold weather made it almost impossible to enjoy the games and also difficult for the players to show up at their best. On Thursday nothing was doing until the fifth inning when the visitors rolled up four tallies on a successful bunch of hits. Another was added in the sixth and two more in the ninth. M. A. C. secured both her runs in the eighth when Mills and Kratz crossed the plate. Nies pitched. A summary of the game is as follows:

	R.	H.	E.
M. A. C.	2	4	3
Michigan	7	8	0

Struck out by Martin 8, by Nies 5. Bases on balls, Martin 3, Nies 3. Two base hits, Magarity, Lowell, Mills.

On Friday the visitors repeated the act by defeating us 8 to 0. The day was as cold as the previous one and errors on the part of M. A. C. were plentiful, nearly every one being costly while the visitors were able to steal 7 bases as well. One double play was also credited them. Akers pitched the game.

Summary:

	R.	H.	E.
M. A. C.	0	4	7
Michigan	8	8	2

Struck out by Akers 4, by Whipple 4. Bases on balls, Akers 1, Whipple 1.

SATURDAY'S GAME.

While the score, 7 to 2 on Saturday was the same as that on Thursday, the game was a much more interesting one.

Vaughn pitched a fine game and held his own nicely with the veteran from the university. The team did much better work with the bat than in the previous games and the supporters on the bleachers were enthusiastic. Thatcher crossed the plate in the first on Patterson's error and Mill's two-bagger. Mellon tied the score on a stolen base and two-bagger. Mills scored in the third after a neat hit, a sacrifice by Knapp, and an error by Lowell. In the fourth the visitors scored three runs on errors and one each in the 7th, 8th and 9th. Lowell made a fine catch of a high foul and Wheeler in left field did some good work in bringing down long hits.

Score:

	M. A. C.				
	AB	H	R	A	E
Ellis, lf	2	0	0	0	1
Thatcher, m	4	0	1	1	0
Canfield, 2	4	0	0	1	0
Mills, ss	3	2	1	1	2
Knapp, 3	3	0	0	3	1
Vaughn, p	4	2	0	9	0
Crissey, c	4	0	0	0	1
Nies, rf	4	0	0	0	0
Kratz 1	3	0	0	0	0
*Akers	1	0	0	0	0
Totals	32	4	2	15	5

U. OF M.

Wheeler, rf	4	2	2	0	0
Magarity, lf	4	0	0	0	0
Mellon, m	3	1	1	0	0
Dunne, 1	4	1	1	0	0
Giddings, 3	5	1	1	0	0
Kelley, 2	4	1	1	1	1
Patterson, ss	3	0	1	0	2
Lowell, c	4	1	0	2	1
Gilbert, p	4	0	0	1	1
Totals	35	7	7	4	4

*Akers batted for Kratz.

Innings	1	2	3	4	5	6	7	8	9	R
U. of M.	1	0	0	3	0	0	1	1	1	7
M. A. C.	1	0	1	0	0	0	0	0	0	2

Strike outs—By Gilbert, 12; Vaughn, 9. Bases on balls—By Gilbert, 2; by Vaughn, 2. Stolen bases—Mellon, Vaughn, Nies, Thatcher, Patterson, Kelley, Lowell. Two-base hits—Dunne, Mills, Kelley. Umpire—Byron.

Emmerman caught the first game for U. of M., Lowell the last two. Vaughn played right field first two games.

Knapp deserves special mention for his excellent work on third throughout the series. Ellis played his position well, although making one costly error in the last game. The three pitchers all did good work Vaughn playing an especially steady game for his first. Mills put up poor fielding game but will improve with good practice and did the best hitting of any member of the team. Crissey also played his difficult position well and will without doubt make a very strong catcher.

Albion has requested dates for baseball April 26 here, and May 25 at Albion, and the board of control has authorized playing them providing the faculty approves.

D. U. S. comes to M. A. C. next Saturday for a track meet with our freshmen and will bring their ball team with them for a practice game.

This, with the proposed Albion game on Friday, will make a schedule of seven home games. Season tickets for these, which includes the game with the U. of M. Jubilee week, will be sold for \$1.00.

TRACK SCHEDULE.

Following is the schedule for track this season:

- April 27—Detroit U. S. and M. A. C. Freshmen at M. A. C.
- May 4—Notre Dame at M. A. C.
- May 11—Varsity Field Day at M. A. C.
- May 18—Central Michigan Inter-scholastic at M. A. C.
- May 25—Armour Institute at M. A. C.
- June 1—Triangular Meet—Olivet, Albion, M. A. C., at M. A. C.
- June 7 and 8—M. I. A. A. meet at Albion.

RECEPTION.

An informal reception, under the direction of the young ladies, was tendered the two baseball teams and athletic board of control in the parlors of the Women's Building Friday evening. The entire Michigan squad was out and all seemed to enjoy themselves. A program of instrumental and vocal music had been arranged, after which all joined in singing the good old college songs. Refreshments in the way of orange sherbet and wafers were served. Secretary and Mrs. Brown were invited guests.

A short stretch of macadam road is being built at the point of the Delta.

HESPERIAN PARTY.

The Hesperians gave their first spring term party in the Armory Friday evening. The room was decorated very tastily with the society colors. A neat booth in the center served as the musicians stand. This party served as the celebration of the society's 18th anniversary. In honor of the occasion a huge cake upon which 18 candles were lighted was one of the principal attractions. Excellent music was furnished and a most enjoyable evening was passed. Prof. and Mrs. Shaw and Secretary and Mrs. Brown were the patrons. A great many visitors were also present.

FARMERS' CLUB PROGRAM.

The club has issued a neat program of subjects to be discussed at the meetings during the spring term as follows:

- April 23, Law Points for the Farmer, Rep. J. J. McCarthy.
 - April 30, One of the Many, Prof. F. S. Kedzie.
 - May 7, Chemistry of the Protein Compounds, Mr. A. J. Patten.
 - May 14, The Meat Packing Industry, Mr. H. W. Norton.
 - May 21, Sanitation for the Farm House, Mr. W. G. Sackett.
- Meetings called to order at 6:30.

ALMA MATER.

Close beside the winding Cedar's
 Sloping banks of green
 Spreads thy campus, Alma Mater,
 Fairest ever seen.

Chorus:

Swell the Chorus! Let it echo
 Over hill and vale,
 Hail to thee, our loving mother,
 M. A. C. all hail.

First of all thy race, fond mother,
 Thus we greet thee now,
 While with loving hands the laurel
 Twine we o'er thy brow.

Backward through the hazy distance
 Troop the days of yore,
 Scenes and faces float before us
 Cherished more and more.

College Hall, and Wells and Williams,
 Abbot and the rest,
 Halcyon days were those spent with
 you,
 Days of all the best.

Fold us fondly to your bosom
 Alma Mater dear,
 Sing we now thy endless praises
 Sounding cheer on cheer.

A. M. B.

Miss Dorothy Swift, for some time a special student at M. A. C., was married on April 15 to Dr. P. L. Thompson of Grand Ledge. Mrs. Thompson called on college friends Saturday of last week. She is a daughter of John Swift, '69, and sister of Thorn, '99.

Harry Brunger, '02, witnessed the ball game on Saturday. Mr. B. is now with the Lansing Y. M. C. A., and as soon as the organization is completed will have charge of certain educational work.

A. G. Palacio received a visit from his brother, F. G. Palacio, a student at the university, the past week.

Just a little over five weeks until jubilee week. Are you getting ready for it?

"JUST AS GOOD"

means taking chances, it doesn't pay in buying

CUTLERY AND TOOLS

We Sell Reliable Makes

NORTONS HARDWARE

111 Wash. Ave. South.

EVERY KIND OF
FURNITURE
FOR YOUR ROOM.

Cots Folding Beds

Matresses

Book Cases Desks

All Goods Delivered Free.

M. J. & B. M. Buck.

Every Loyal M. A. C. Student

SHOULD HAVE AN M.A.C. PENNANT FOR THE COMING GAMES WITH THE UNIVERSITY OF MICHIGAN AND THE SEMI-CENTENNIAL.

YOU CAN GET THEM AT

MIFFLIN'S

THE JEWETT & KNAPP STORE

Where you will find the largest and most complete stock of

Women's Misses' and Children's Ready-to-wear Garments, Knit Underwear, Hosiery, Gloves and Ribbons. All the new things in Laces, Embroideries, and Wash Goods. : : : See our New Silks, Dress Goods and Trimmings. If you want an Exclusive Gown or Suit, go to Lansing's Reliable Store. : : : :

JEWETT & KNAPP

220-222 AND 224 WASHINGTON AVENUE SOUTH, LANSING, MICHIGAN.



THE PATENT COLT GIBSON TIE

PRICE, \$3.00 A PAIR
OTHERS AT \$2.50

Especially attractive and in perfect keeping with the most elaborate toilet for street, ball or fancy dress occasions.

C. D. WOODBURY'S SHOE STORE
HOLLISTER BLOCK

ABOUT THE CAMPUS.

The tennis courts are beginning to be quite attractive in spite of the chilly weather.

The Dairy Club holds its first meeting of the term in the Dairy Building tomorrow night.

The mulch in the botanic garden is being removed and the plants seem to have wintered very well.

Had you noticed the ingenious way in which the weather man prognosticates? Not much danger in missing.

Prof. Fletcher will continue his experiments in strawberry breeding and orchard pollination this spring and will be assisted by several students.

FOUND.—In Botanical Laboratory, a copy of "Green's Forestry in Minnesota." The book contains the name of Dorr A. Skeels. A black felt hat also awaits an owner in the same building.

Mr. Sargeant, curator of collections in Kent Scientific Institute, Grand Rapids, was at the College last week to see what might be obtained for exhibit at the Jamestown Exposition. Mr. Sargeant is one of the committee that has the Michigan exhibit in charge.

Prof. Pettit has in his possession an interesting document in the form of a bill made in 1862 against his grandfather and dated at Baldwinsville, N. Y. Among other items are these: 1 gallon alcohol, 80c.; 1 gallon gasoline, \$1.50; 1 gallon kerosene, 80c.; 2 ounces quinine, \$1.25; 1/2 dozen pens, 16c.

Miss Louise Hesse was a college visitor a few days the past week.

Miss Katherine Clark was called home recently to attend the funeral of an uncle.

Prof. Bogue has had several calls from state institutions for surplus ornamental stock.

The severity of the October frosts is indicated here by the fact that the yearling peach trees in the nursery are killed to the ground.

The experiments in potato breeding which were in the hands of Instructors A. G. Craig and C. A. McCue, will be continued this spring by Mr. Kohler.

A commercial plantation of raspberries and blackberries, including about 1,200 plants, is to be set this spring; also a small plantation of quinces, plums and sour cherries.

Mr. Halligan captained the college football team in his senior year, and during the past season rendered valuable service in coaching the first and second teams, and getting them into good form for the season's scrimmages and games. As a member of the athletic board he rendered valuable service through long personal experience with the ins and outs of athletic enterprises as carried on by student managers. Mr. Halligan's new work at Michigan offers broader scope to his abilities, and he bears with him in his work at the other M. A. C. the best wishes of all who knew him at this M. A. C. in the east.—The College Signal, Mass. Agr. College.

C. F. Burnett '02-'03 visited college friends Friday. Mr. B. is in school at Ann Arbor.

J. M. Walkup received a visit recently from his father, who is a missionary in Micronesia.

The RECORD will surely publish a report of the weather conditions for the month of April.

The popular character takes the imprint momentarily of its associations; so does a piece of putty.—Ex.

In spite of the cool weather house-cleaning goes merrily on. The president's office is the latest sufferer.

Leo Ruggles, formerly of the secretary's office, made college friends a call Friday. Mr. R. has completed his work at the Ferris Institute.

A sum of money was found in one of the rooms in College Hall one day the past week. It has been left at Secretary's office where loser may apply.

Mr. A. Geismar, '10, has been compelled to drop out of college for the present on account of ill health. He expects to spend the coming summer at his home in Chatham and then go to one of the western states in the fall.

Efforts are being made by the public school to put their grounds in shape. They have secured the services of Prof. Fletcher who will help them to lay out a model yard. The pupils are very enthusiastic over the proposition.

Prof. Taft inspected orchards the past week at Wayne, Monroe, and Clair View.

Prof. Smith made a business trip to the Northern Peninsula experiment station at Chatham last week.

W. F. Loomis with '94, superintendent of the Alamo Co., Hillsdale, was at the college Monday for a short visit.

Mr. Groat, our college purchasing agent, has sold out his grocery business in the city and will devote his entire time to his duties at M. A. C.

M. A. C. was represented in the recent civil service examinations for scientific assistant, by three foresters, two dairymen and two horticulturists. Some of the boys went to Grand Rapids, some to Detroit and one to Saginaw.

A committee from the Delaware College visited M. A. C. one day the past week. The committee was composed of Prof. Harry Hayward, director of the station and professor of agriculture; Hon. S. H. Messick, president of the state board of control; Col. Clark and Hon. S. H. Derby, both members of the board of control, the latter being one of the largest fruit growers in the state of Delaware. This committee are visiting the various stations and colleges with a view of broadening the lines of their own. They were also much interested in our department for women. Prof. Hayward was a Cornell man and well known to several members of our faculty.



A FAMILIAR SIGHT.

COLLEGE MEN WANTED.

Men with college training are to be in greater demand on the Pennsylvania Railroad henceforth, says the *New York Tribune*. The management is making special efforts to get apprentices who have a technical education.

With the tremendous New York improvements of the Pennsylvania and other extensions all along the line there is the increasing need for operating men and engineers of experience and judgment. New places of responsibility are being created which are especially suited to men graduated from technical schools.

The Pennsylvania at the start gives a college man sufficient pay to afford him proper support, but there is no "soft snap" for him. He has to begin at the bottom of practical railroading.

It is in the maintenance of way department that the trained man is needed most these days. First he is a rodman in the office of a division assistant engineer or in the construction branch of the department. After serving his term as rodman he is sent to Altoona.

Altoona is the seat of the greatest railroad educational establishment in the world. The novice is put to work in the yards there, which are seven miles long and contain about 210 miles of tracks. He learns the intricacies of shifting, how to keep car records, to manipulate signals, to classify cars, and to do many other things.

Altoona yards are left for the road. The graduate has now become assistant supervisor, and is assigned to some stretch of the line. Steel rails, cross-ties, ballast, tie plates, nuts, bolts, ditches for drainage—all these have to be known thoroughly. Then, perhaps, the assistant becomes a full fledged supervisor; after that come the grades of assistant engineer and superintendent. When the college man gets to be a superintendent he has qualified as a railroad expert.

For the college man trained as a mechanical engineer there is a special course at Altoona. He becomes a "special apprentice." He goes through the shops—boiler, blacksmith, wheel, car, tank and all the rest. Part of the time is spent in the drafting room and part in the testing room. Three months the railroad student devotes to firing an engine on the road. After this experience his promotions begin and he can reach the top.—*Moderator-Topics*.

Charles H. Alexander, with '93, of Lansing, was out to the college yesterday, looking up some of the addresses of his old class-mates. He is anxious that the class of '93 be well represented at the Jubilee.

The sum of \$112.50 has been received from 150 sq. ft. of ground in the forest nursery. This stock was four years old and had occupied the ground from which they were taken two years.

Peter Kohn '11, recently received a short visit from his father, who is drain commissioner of Ionia county, and was in Lansing on business. Mr. Kohn's home is at Belding.

Instructor F. H. Sanford, of the Forestry Department, has been in Detroit for several days looking after the permanent forestry exhibit on the state fair grounds.

Dr. Beal desires that the book by Dr. Barnes which was borrowed from him some time ago by some member of the experiment station or teaching force be returned.

During the U. of M. games last week Mr. Garcinava entertained his sister and a cousin from Detroit, also Mr. Robert G. Sada, a friend from Ann Arbor.

The *Hillsdale Collegian*, of April 17 is issued as a special Athletic number and publishes an interesting article on "Growth of Michigan College Sports."

Prof. Holdsworth writes that he expects to be at home in about three weeks, if the weather will permit. He states that they are still having frosts in Florida.

The Hort. Department would be very grateful for the return of the carts and tools which have been taken from the building.

President W. N. Ferris, of Big Rapids, speaks at the First Baptist church Friday evening, April 26, on the subject "Success."

Water pipes have been extended from the main near the farm house to the poultry plant and slaughter house.

Prof. Shaw returned from his eastern trip Friday of last week.



CALL AND SEE US FOR YOUR NEW SPRING SUIT, TOP COAT and RAINCOAT

Finest Assortment in the City

10 per cent DISCOUNT GIVEN TO ALL STUDENTS.

FINE LINE OF FURNISHINGS, HATS, and UNDERWEAR.

Cameron & Arbaugh Co.
DEPARTMENT STORE.



WATCHES
AND ALL OTHER KINDS OF
WATCHES, CLOCKS, JEWELRY

Repairing in a workman-like manner.

H. P. PIPER Will be at the M. A. C. Book Store from 4 to 6 p. m. to receive and deliver work.

All Work Warranted.

ALL MEATS
May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.
We make daily trips to the College.
BOTH PHONES. Careful attention given to phone orders.
GOTTLIEB REUTER,
Washington Ave. South.

Stalker Prints
"Swell" Dance Programs
Fine Stationery
and other good things.
117 Michigan Avenue West
Ground Floor.

DIRECTORY
LANSING BUSINESS and PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS.
M. A. C. BARBER SHOP, Rooms in New Bath House. H. A. Sias, Propr.

BOOKS AND STATIONERY.
A. M. EMERY, 116 Wash. Ave. N. Books, Fine Stationery, Engraved Calling Cards, Fountain Pens, Pictures, Frames, Fine Framing a Specialty. Up-to-Date Styles.

BOOK BINDERS
GEO. G. BLUDEAU & CO.—Bookbinders Account book makers, paper ruling, library and fine art bindings, file boxes, map mounting, albums, pocket books, etc. Citizens phone No. 56. 109 Wash. Ave. N.

WAGENVORD & CO.—Bookbinders, Blank-book Makers, 116-118 Ottawa St. E.

BOOTS AND SHOES.
C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

CLOTHING.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

CROCKERY AND GLASSWARE.

H. H. LARNED.—China, Glass and Lamps, 105 Washington Ave. S.

DENTISTS.

A. F. GORDON, D. D. S. M. A. C. '91, U. of M. 01. 218 Washington Ave. S. Phone, Citizens 68.

J. E. STOFFER, D. D. S. Office 301 City National Bank Building. Citizens' Phone 1049. Former M. A. C. student.

N. H. MOORE, D. D. S. Office 411-13 Hollister Building, Lansing, Mich. Citizens phone 475.

R. W. MORSE, D. D. S. Hollister Block, Room 517. Citizens Phone 52, Bell Phone 396.

D. E. PARMELEE, Dentist, 117½ Washington Ave. S., Lansing, Michigan. Citizens' Phone, office 275; residence, 261.

DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE, Up to date. Corner store. Opposite Hollister Block.

ROBINSON DRUG CO., successors to Aisdorf & Son, Drugs and Druggists' Sundries, 102½ Washington Ave. N.

DRY GOODS.

THE JEWETT & KNAPP STORE. Dry Goods. 222-224 Washington Ave. S.

ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC CO., Electrical Supplies, Telegraph Instruments and Telephones, 11 Mich. Ave., E.

FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Cor. Washington Avenue and Ionia Street. See ad.

HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection, 410 Washington Ave. N.

HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

M. A. C. Real Estate Agency. All kinds of real estate for sale or rent. FIRE AND LIFE INSURANCE. Students property insured in dormitories and private houses at lowest rates. Office at College Grocery Building.

JEWELERS.

CHAS. A. PIELLA, Jeweler and Optician, 121 Washington Ave. N., Lansing, Mich.

LEAVE your Fine Watches and Jewelry with J. J. Heath for repairs. He will please you.

LAUNDRY.

THE AMERICAN LAUNDRY solicits a share of your patronage. Remember the number, 309 Washington Ave. S. New Phone No. 420. Julia Findley & Edwin Lewis, Props. S. W. Doty and I. D. Smith, College Agents.

MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Ma-querade Wigs for Rent. Switches made of cut hair or combings. The France-American Hygienic Toilet Requisites a specialty. New phone 118. 222½ Washington Ave. S., up stairs.

MUSIC, PIANOS, ETC.

GRINNELL BROS. Pianos, Organs and everything in the line of music, 219 Washington Ave. N.

M. R. and MRS. GEO. O. CLARK. Violinist and Pianist. Cit. phone 295. Bell phone 75 112 Hosmer St. S. Lansing Mich.

OCULISTS.

CHAS. G. JENKINS, M. D. — Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m., and 2 to 5 p. m. Citizens Phone No. 1030. Rooms 203-204 Prudden Block.

JOSEPH FOSTER, M. D., Eye, Ear, Nose and Throat. Hours 9 to 12 a. m.; 2 to 4 p. m.; Sundays, 12 to 1; Evening 7 to 8. Corner Allegan St. and Capitol Ave., Lansing. Both phones.

PHYSICIANS.

DR. H. W. LONDON. Office and residence, M. A. C. Office hours from 7 to 8:30 a. m., and 12:30 to 2, and 6:30 to 8 p. m. Sunday office hours 4 to 5 and 7 to 8 p. m. New phone 1560.

DR. OSCAR H. BRUEGEL. Hours 9 to 11 a. m.; 2 to 4 and 7 to 8 p. m. Sundays 12 to 1 and 5 to 6 p. m. Agricultural College, Mich. Citizens phone 1502.

PLUMBERS.

SHIELDS & LEADLEY. Plumbing and Heating. 300 Wash. Ave. N., Lansing, Both Phones.

SPORTING GOODS.

J. H. LARRABEE. Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 325 Wash. Ave. S.

CALL ON
LAWRENCE & VAN BUREN PRINTING CO.
WHEN IN NEED OF
DANCE PROGRAMS or SOCIETY PRINTING.
122 Ottawa St. E.