

# 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 pantomimes 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.....Seeböck  
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.

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MICHIGAN STATE AGRICULTURAL COLLEGE

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however, to secure the paper regularly is to sub-  
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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 pre-  
sent 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 Thurs-  
day afternoon of last week, when  
the following program was carried  
out:

1. Influence of Temperature Up-  
on Lactic Acid Cultures, Charles E.  
Marshall and Louise Raftemacher.
2. Solvent Action of Certain Soil  
Bacteria Upon Insoluble Phos-  
phates, A. J. Patten and Walter G.  
Sackett.
3. Water System in Plants, J. B.  
Dandeno.
4. An Experiment to Show  
Whether Bumble Bees are Neces-  
sary to Pollenize Red Clover, W.  
J. Beal.
5. Notes on Pure Food Investi-  
gations, 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 vet-  
eran 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 in-  
ning 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 Whip-  
ple 4. Bases on balls, Akers 1,  
Whipple 1.

## SATURDAY'S GAME.

While the score, 7 to 2 on Satur-  
day was the same as that on Thurs-  
day, 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 sup-  
porters on the bleachers were enthu-  
siastic. 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-bag-  
ger. 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 bring-  
ing 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	0
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 with-  
out 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 provid-  
ing 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 sched-  
ule 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—Oli-  
vet, 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 par-  
lors of the Women's Building Fri-  
day evening. The entire Michigan  
squad was out and all seemed to en-  
joy themselves. A program of in-  
strumental 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 so-  
ciety colors. A neat booth in the  
center served as the musicians stand.  
This party served as the celebra-  
tion of the society's 18th anniver-  
sary. In honor of the occasion a  
huge cake upon which 18 candles  
were lighted was one of the princi-  
pal 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 pro-  
gram 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 In-  
dustry, 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?



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chances, it  
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rate toilet for street, ball or fancy dress occasions.

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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 Labora-  
tory, 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 collec-  
tions in Kent Scientific Institute,  
Grand Rapids, was at the College  
last week to see what might be ob-  
tained for exhibit at the Jamestown  
Exposition. Mr. Sargeant is one of  
the committee that has the Michi-  
gan 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 Baldwins-  
ville, 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 breed-  
ing 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 rasp-  
berries 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 col-  
lege 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 mem-  
ber of the athletic board he rendered  
valuable service through long per-  
sonal experience with the ins and  
outs of athletic enterprises as carried  
on by student managers. Mr. Hal-  
ligan's new work at Michigan of-  
fers 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 Sig-  
nal, Mass. Agr. College.

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

J. M. Walkup received a visit re-  
cently from his father, who is a mis-  
sionary 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 associa-  
tions; 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 suf-  
ferer.

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 experi-  
ment station at Chatham last week.

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

Mr. Groat, our college purchas-  
ing 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 horticultur-  
ists. 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 con-  
trol; 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 col-  
leges 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.

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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.

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### DENTISTS.

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

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**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.

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**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.

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### PHYSICIANS.

**DR. H. W. LANDON.** 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.

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