

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 14.

LANSING, MICHIGAN, TUESDAY, DECEMBER 15, 1908.

No. 13.

PREPARING FOR SPECIAL SHORT COURSES

NEW COURSES IN POULTRY AND FORESTRY ADDED THIS YEAR.

As the fall term draws to a close the agricultural department is making preparations for the special short courses which are held, in addition to the regular work, during the first few weeks of the year. This year, in addition to the two courses in general agriculture, and the courses in creamery management, cheese making and fruit growing, poultry culture and forestry will be added and a second year course in creamery management. The courses in general agriculture, creamery management and poultry begin Jan. 5, 1909, and continue for eight weeks. The forestry course begins Jan. 5 and continues for five weeks, and the fruit course begins Jan. 5 and continues for two weeks. The cheese course begins February 15 and continues for four weeks.

THE OBJECT

The object of these courses is to provide a way by which young men desiring technical training along the above lines, yet who are unable for various reasons to take one of the regular courses, may secure in a few weeks' time at nominal expense such practical training as may be crowded into a short winter term. Many young men who otherwise have been denied the privilege of any college training have, through these courses, been awakened to new possibilities and have had their ambitions quickened through contact with successful men in their line of work. The instruction given is practical and such as may be directly applied to the operations of the farm or factory as the case may be.

SYNOPSIS OF THE COURSES.

General Agriculture—First year: This consists of the subject of breeds and breeding, work in the carpenter and blacksmith shops, veterinary science, studies in soils and crops, feeds and feeding, fruit growing and landscape gardening and a course in business arithmetic, bookkeeping, correspondence, etc.

General Agriculture—Second year: This is designed only for those who have successfully completed the work of the first year's course and consists of the subjects of farm dairying, farm engineering, advanced veterinary science, economic entomology, bacteriology, stock judging, advanced farm crops, advanced soil work, commercial geography, animal breeding, agricultural chemistry and general elementary physics.

Creamery Course—First year: It is expected that applicants for this course shall have had at least one year's experience in a creamery. The work includes: bacteriology, chemistry and physics of dairy operations, business methods, butter making, testing and mechanics.

Creamery Course—Second year: The second year's work includes: Bacteriology, experimental butter making, advanced factory mechanics, milk and butter testing, care, etc., of dairy cattle, and business management.

Cheese Course.—This course of four weeks is given over largely to practical work at the vat, supplemented by lectures in the bacteriology, chemistry and physics of milk, the Babcock test, use of lactometer, rennet and curd test.



R. S. SHAW, DEAN OF SHORT COURSES.

Poultry Course.—Includes practical work in operating incubators and brooders, feeding, killing, captionizing, and marketing poultry. Lectures will be given in poultry house construction, breeds and breeding, feeds and feeding, summer care and management, and diseases and their prevention.

Forestry Course.—Designed to meet the needs of fire wardens, forest guards and rangers. It includes such subjects as cruising, elementary dendrology, soils, elementary surveying, and forest control.

Fruit Growing.—A course of two weeks, comprising a series of lectures on practical fruit growing.

EQUIPMENT.

A large part of the value to be derived from courses such as the above is derived from the practical laboratory work. The equipment for this practical work is complete. The principal breeds of cattle, sheep, hogs and poultry are represented as are also good types of both draft and driving horses all housed in comfortable barns fitted up with modern devices for the comfort and health of the animals and for economizing the work of the attendant. A well and modernly equipped creamery is at the disposal of the classes in creamery management and cheese making. A well stocked poultry plant with full equipment for the poultry classes, and the regular college shops, laboratories and library are thrown open for use of the short course students.

(Continued on page 2.)

THE MILITARY HOP.

IMPORTANT ACTION TAKEN BY OFFICERS OF BATTALION.

At the last meeting of the Officers' Association resolutions were adopted that are of general interest to the student body and are herewith published:

Resolved, That all cadets be required to wear uniforms at the next military hop, and that one price be charged to all.

The officers of the battalion feel that, inasmuch as they are a military organization, they should endeavor to place that department of M. A. C. on as high a plane as possible, and to promote the military functions in a way suitable to their importance. In the last few years the hops have been military in name only, and very little effort has been made to make them a truly military function, chiefly because of the lack of interest shown by the student body, which has made the question of successful hops mostly a financial problem, and for this reason two prices have been charged, thereby inaugurating a spirit which has had most to do with destroying the college military.

The military hop should be military in the full sense of the word, and as such should be supported, if not with the same amount of enthusiasm, with at least the same spirit as that in evidence at athletic events. Cadets have come to feel that should they appear in uniform they place themselves open to criticism, that they are financially embarrassed, and several other insinuations that would tend toward embarrassment, and so the college has drifted farther away each year from the true military. The officers believe that if this matter was laid before the student body in this way it would be looked at in the right light, and not merely as an excuse for a college dance under the guise of military hop. The uniforms, it is claimed, frequently are uncomfortable for dancing, but this idea is greatly exaggerated, and as the officers have always been able to thoroughly enjoy themselves while in uniform, they feel that all cadets can do the same.

The next military will be given in the Armory on March 12, and a price of one dollar will be charged to all. No member of the cadet corps will be admitted ununiformed,

and by this is meant all men who are eligible to drill. Seniors and especially invited guests are, of course, exempt from this rule.

The hops have always been most enjoyable affairs and there is no reason why they should not continue to be so, and it is only a question of the proper spirit being shown to make them a thorough success. The outcome of the winter term military will undoubtedly determine whether the students of M. A. C. care enough for these functions to permit their continuation.

SECOND ANNUAL FOOTBALL BANQUET.

The second annual inter-society football banquet held this year in the large dining room in Well's Hall, brought to a fitting close the season of 1908.

Fully 200 students and members of the faculty, gathered for a short reception in the Union Literary Society rooms, and at 8 o'clock repaired to the dining rooms, which were decorated with college pennants and athletic trophies.

The center tables were reserved for the honored guests, the members of the first and second team squads, who marched in and took their seats after the rest of the company were seated, while the orchestra, at one side of the room, discoursed beautiful music.

The banquet was served by several young ladies of the home economics department living in East Lansing and vicinity, and was followed by a program of toasts, speakers being introduced by Toastmaster C. L. Brewer. The first speaker was Prof. H. K. Vedder, who spoke on "Seventeen Years of Football," and was followed by Prof. King, whose topic was "Inferences." Dean Bissell's subject was "Athletics in Engineering;" C. J. Oviatt, "For the Olive Green;" Capt. Shedd, "The Season and Team of 1908;" Capt.-Elect McKenna, "Prospects for 1909."

The result of this second banquet left no doubt of this custom being continued.

The State Ginseng Growers' Association, at their meeting at Grand Rapids last week, decided to hold the next annual meeting at the college. It will be held during the first week in December.



DAIRY BUILDING.

The M. A. C. RECORD

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

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TUESDAY, DEC. 15, 1908

PREPARING FOR SPECIAL SHORT COURSES.

(Continued from page 1.)

dents. An opportunity will be given all who attend to spend all their available time to the best advantage.

THE COST.

The only fee required by the college for any one of the above courses is an entrance fee of \$5 (\$10 for non-residents of Michigan). Board and room cost approximately \$4 per week. Aside from railroad fare, the total cost of an eight weeks' course should not be far from \$45. The six weeks' course will cost approximately \$35, and the four weeks' course about \$25.

A certificate is granted at the conclusion of the courses on passing the required examinations.

ENTRANCE REQUIREMENTS.

No entrance examinations will be required, and no one should feel unqualified for taking one of these courses because he has not completed the eighth grade in the common schools. While much of the work will be in the class room, and the student will be expected to take some notes, emphasis will be laid upon laboratory and shop practice, where the hand and eye as well as the mind will be trained.

WHAT OTHERS SAY.

The short winter courses have been offered every season since 1896, and during this time over fourteen hundred young men have availed themselves of at least one season's work, and many have returned for a second season. These men speak very highly of the training received. The following are a few of the many letters received from well-pleased patrons of these courses:

Mr. D. B. McKenzie, a prosperous farmer of Stockbridge, Michigan, who has taken both the first and second year course in speaking of the benefit derived, says: "The practical training received in these courses vastly more than repays one for the time and money spent, while the general cultural and social training received is an asset which cannot be measured in dollars and cents. I would advise all young farmers who cannot take a regular course, to spend at least one winter at the college."



FARM BARNS

CARO, Mich., Dec. 10, 1908.

PRES. J. L. SNYDER,
East Lansing, Mich.

Dear Sir:

My two sons attended the short course given at the Michigan Agricultural College last year. They feel exceedingly well paid for the time and money spent. Their interest in farm work has been greatly increased, they are more competent workmen than they were, and they have brought back to our farm much valuable information. I only wish that I, myself, could have enjoyed the privileges of an agricultural education which are theirs.

ROBERT PARK.

OVID, Mich., Dec. 10, 1908.

PRESIDENT J. L. SNYDER,
East Lansing, Mich.

Dear Sir:

I attended the short course at the Michigan Agricultural College last winter, and was so well pleased with the work that I have returned this year to take special work in agriculture in the regular course. I recommend the short course as being a practical one for any young man.

CLAUD A. BRAINARD.

STOP! LOOK! LISTEN!

Young man, stop! listen! Do you expect to spend your life on a farm? Then why not get in touch at once with the latest and the best ideas on the subject. You will save time and money by so doing by taking one of our short courses. As a business proposition, you cannot afford to let this opportunity go by. What will you learn?

1. You will learn where to find information. This will be of great advantage to you all your life.

2. You will learn to love your work. You will catch the enthusiasm, and work which may have been drudgery will become a delight.

3. You will become acquainted with your teachers—men who stand at the head in their special lines of work and to whom you can at any time turn for timely assistance.

4. You will learn much from the college herds of live stock, and farm equipment. The shop will be of great benefit to you.

5. It will do you good to be in the college atmosphere for a few weeks. You will enjoy the gymnasium and swimming pool. You will enjoy the college sports and the enthusiasm of the great student body. You will form friendships which will be a source of pleasure throughout life. Yes, if you have brains and energy, you cannot, you must not, let the chance of a lifetime pass by.

Board at the various clubs has been audited as follows: A, \$2.75; B, \$3.00; C, \$2.10; D, \$2.20; E, \$2.80; G, \$2.60.

FIRST GUN FIRED IN DEBATE.

THIRTY NEW MEN WILL TRY FOR PLACE.

At the Debating Club last Thursday, Instructor Lettler gave a very interesting talk upon the subject of the Ypsilanti debate question. He dwelt largely upon corporations, their history, development, uses, abuses, purposes, and activities, and set forth a good deal about corporation law, giving the club a summary of his somewhat extensive reading upon the subject. Mr. Lettler then brought out what he considered important points on both sides of the question, and showed how to prove or disprove them.

Six more men have submitted their names for the preliminaries, and will form another team, which is arranged as follows:

TEAM V.

Affirmative	Negative
E. E. Kurtz	A. V. Sheap
O. L. Snow	M. L. Towar
C. L. Coffeen	E. B. Hulett

All teams should be well organized by the end of this term, in order that each man may work on his debate during the vacation if he so desires.

The judges will judge each man by a score card which is made out under five heads, each of which has the following weight:

Team work	20
Individual Constructive Argument	30
Rebuttal	30
Personality	10
Delivery	10

Perfection 100

The score cards are in Dr. Blaisdell's office, where they can be seen by anyone interested. They bear instructions for the judges, and the debaters are advised to become familiar with them, as they give an idea of the management of the debates.

A full list of references in regard to the debate will be found in the library, and debaters will find it a help in getting material together.

A certain college president in Indiana, a clergyman, who, when addressing the students in chapel at the beginning of the college year, observed that it was "a matter of congratulation to all the friends of the college that the year had opened with the largest freshman class in its history."

Then, without any pause, the good man turned to the lesson for the day, the third Psalm, and began to read in a voice of thunder?

"Lord, how are they increased that trouble me!"

Y. W. C. A.

Miss Flora Robinson, graduate of the Woman's College at Baltimore, with the class of '07, visited the Young Woman's Christian Association for a few days during the past week. All but six years of her life was spent in India, so her position as traveling secretary of the Student Volunteer Movement was made doubly interesting to the girls.

The regular association meeting was held on Wednesday evening, when Miss Robinson presented the "Need of Trained Workers, College Students, in the Foreign Field." Thursday morning she spoke in chapel, introducing the Student Volunteer Movement, and giving a survey of its history. From four until six o'clock a very informal gathering was held in the parlor, when, in a very interesting and characteristic manner, peculiar to herself, Miss Robinson talked about "The Life of Women in India."

We are always very glad to welcome the women who represent this great and world-wide movement of the Young Woman's Christian Association. They bring with them an atmosphere that every college girl needs for the full development of her life.

NUMBER OF STUDENTS.

AN INTERESTING COMPARISON OF AMERICAN AND GERMAN UNIVERSITY ENROLLMENTS.

The United States has 493 universities, colleges, and technological schools, in which are being educated 177,500 male and 51,792 female students, or 229,295 students in all. Of that number about 65,000 are in preparatory departments, about 122,000 in collegiate, about 8,000 in graduate, and about 34,000 in professional departments. The difference in organization makes a comparison impossible with the German schools, as the American colleges are nearer the German gymnasias than universities. The study by Horace D. Taft, published recently, bears on this point and suggests betterments for the future. But the European figures are interesting, absolutely, if not relatively. Europe has 228,732 university students in 126 universities. The University of Berlin has 13,884; Paris, 12,085; Budapest, 6,551, and Vienna, 6,205. A list sent to Washington by the American vice consul at Magdeburg gives the following figures for 1907—Greece, Norway, Portugal, Denmark, Bulgaria, and Servia, each having one university:—

Country	No. of Univ.	Students
Germany	21	49,000
France	16	32,000
Austria-Hungary	11	30,000
England	15	25,000
Italy	21	24,000
Russia	9	23,000
Spain	9	12,000
Switzerland	7	6,500
Belgium	4	5,000
Sweden	3	5,000
Roumania	2	5,000
Holland	5	4,000

—Normal College News.

Alma gives a benefit entertainment for the Oratorical Association. The proceeds will make up the prizes.

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ABOUT THE CAMPUS

The next annual convention of
the National Educational Association
will be held at Denver, July 5
to 9, 1909.

The Aurorian Society enjoyed a
feed and smoker in Club D. Satur-
day evening in honor of the new
members and newly elected officers.

FOUND.—The following articles
have been left at the secretary's
office and may be had by the owner
by identifying the same: Lady's
gold watch, pair gloves, watch fob.

Notice to Sophomore Women.—
Sleep has been dropped out of the
regular schedule for next term.
Anyone wishing to take this subject,
should classify as a special.

"What little boy can tell the dif-
ference between the 'quick and the
dead?" asked the Sunday school
teacher.

Willie waived his hand frantically.
"Well, Willie?"

"Please ma'm, the 'quick' are the
ones that get out of way of auto-
mobiles; the ones that don't are the
'dead.'"

Dr. Beal, Dr. Marshall and W. S.
Sayer were in Ann Arbor Saturday
to attend a meeting of the executive
committee of the Michigan Acad-
emy of Science. The annual meet-
ing will be held at Ann Arbor
about April 1. The agricultural
section will be held at M. A. C.
about the same time. Dr. Marshall
is president of the association. Mr.
Sayer is secretary and Mr. Howe is
chairman of the agricultural section.

The King's Daughters will meet
with Mrs. J. J. Myers Wednesday
afternoon.

THE RECORD wishes all its read-
ers a merry, merry Christmas and
a happy and prosperous New Year.

Beginning today the bell will
ring on the hour. There will be
no further chapel exercises this
week.

At the women's party Saturday
evening some student, incensed at
not being invited, dropped his
brother into the midst of the gay
party. Miss Mary Allen proved
the heroine and promptly ejected
the intruder.

C. A. Ross, '11, eng., was happily
surprised last week by receiving
from Senator Burrows an appoint-
ment to a cadetship at West Point.
Mr. Ross will withdraw from col-
lege at once and prepare for the ex-
aminations which will be held in
February.

The young women of the college
have organized a new club called
the "Idlers." The object of the
club, as suggested by the name, is a
purely social one. The members
are the teachers and students of the
home economics course. All other
women connected with the college
will be welcome to membership by
signing the constitution. The fol-
lowing officers were elected for
winter term: Minnie E. Johnson,
chairman; Blanche Clark, vice
chairman; Flora Bates, secretary-
treasurer.

WHAT CAN THE MATTER BE?

Our girls they are witty and most of
them pretty.
They sit in the parlor and pound the
piano.
Play tennis and euchre and flinch and
five hundred,
But they don't have a basket ball team.

Chorus.

Dear! dear! what can the matter be?
Dear! dear! what can the matter be?
Dear! dear! what can the matter be?
They don't have a basket ball team.

Olivet and Ypsi. and any old college,
Where girls don't learn cooking and
such useful knowledge,
Put on their gym suits and show them-
selves loyal,
By having a basket ball team.

It's sad that among a bunch of three
hundred,
There's not enough gumption, energy
and hustle,
To scare up five coeds, who might have
the muscle,
To play on a basket ball team.

THE BLUFFER.

The man who bluffs his way along
May flourish for a time;
He may emerge above the throng
And seem to be sublime;
But let him not suppose his cake
Will never turn to dough,
For, soon or late, he's sure to make
A bluff that will not go.

ALUMNI.

'74.

M. T. Rainier, formerly of Traer,
Iowa, now resides at Irving, Kan-
sas.

'00.

W. T. Parks, owner of a large
creamery at St. Joseph, Michigan,
was a college visitor last week.
Mr. Parks recently sustained a pain-
ful injury from a fall, and while re-
cuperating is spending his time call-
ing on old friends about the state.

'02.

Harriet A. Farrand is teaching
at the Institute for the Feeble
Minded at Columbus, Ohio.

O. L. Ayres, with the U. S.
Dept. of Soils, has been ill for sev-
eral weeks of typhoid fever, at
Newport, Tenn. We are glad to
report that he is convalescent.

'04.

A. B. Rogers, with the Bureau
of Animal Industry at Sioux City,
Iowa, writes: "Inclosed find \$1
for two years' subscription to the
RECORD. Our football record this
season makes my blood boil with
enthusiasm. Proud of the team?
Well, some! It is not uncommon
to hear the Michigan 'Aggies'
mentioned on the street cars here by
the lovers of the game."

'06.

Roy C. Potts, professor of dairy-
ing at the Oklahoma State Agri-
cultural College, Stillwater, Okla-
homa, was a college visitor last
week.

THE TECHNICAL CLUBS

Brief Reviews of the Meetings

HORTICULTURAL CLUB.

The last meeting for the Horticultural club for the fall term was held in the club rooms of the Horticultural laboratory last Wednesday evening. The speakers were Messrs. Postiff and Forrer. The latter gave an interesting talk upon "The Trend of Experiment Station Work in Horticulture." Mr. Forrer based his conclusions upon the amount of published matter within one calendar year. It was noticed that the work consisted, to a very large extent, of experiments conducted for the purpose of discovering new methods for the destruction of insect and fungus pests of the orchard, garden and farm.

Mr. Postiff's subject was "The Work of the U. S. Reclamation Service." The work of this Service is spread throughout many of the western states and involves an expenditure of millions of dollars; and it is expected that many thousands of acres of heretofore practically valueless land will be restored to fruitfulness when water for irrigation becomes available. The soil upon these projects is very rich, and with plenty of water, they will become garden spots of the United States. Mr. Postiff illustrated his remarks with a series of about fifty lantern slides, showing some of the difficult conditions and some of the results of the work already accomplished. These slides were loaned for this talk by Mr. C. J. Blanchard, of the U. S. Reclamation Service. The talk emphasizes one of the most progressive enterprises that the government is carrying on for the masses.

A business meeting was held at the conclusion of the program. The officers were elected for the winter term as follows: Pres., B. B. Pratt; Vice Pres., H. A. Taft; Sec'y, R. C. Brodie.

THE INTERNATIONAL LIVE STOCK SHOW.

(Continued from last week.)

Since the founding of the exposition the agricultural colleges have come greatly into prominence and now have a fixed place at the show. One has only to visit the great pavilion to see this. A day is now set aside for student judging of live stock and this year there was very close competition, Iowa state college scoring a total of 4373 points for first place, her representative in individual judging being H. H. Kildee, and the eighth place going to Minnesota scoring 3839 points or only 500 points difference between the first and last places.

There were 30 colleges represented at the exposition and college yells might be heard at most any time from the seats around the ring, and the "Rat-a-ta-thrat" of our M. A. C. did not take a back seat for anyone, nor was the "locomotive" unheard.

Twenty-seven students from M. A. C. attended the International, and a majority of them were present at the annual banquet of the American Federation of Agricultural Students, held in the Exchange building Tuesday evening, Dec. 1. A good banquet was served, at the close of which T. R. Davidson,

NOTICE

TO RESIDENTS OF

EAST LANSING

Beginning at once we shall run our own delivery to East Lansing every MONDAY, WEDNESDAY, and FRIDAY morning.

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President of the Federation for 1908, called for toasts from Prof. C. F. Curtis and George C. Humphrey and Edward R. Trowbridge, and from Prof. Skinner, of Perdue, who was one of the first to promote the student interest and organize the Agricultural Federation.

This meeting of students from all parts of the United States and Canada is certainly of much benefit and brings them together in cooperation and feeling of good fellowship. During the course of the banquet merriment was caused by the rendition of the various college yells and songs, and even Texas with six men present, was plainly there with the goods.

A permanent headquarters for agricultural college delegations has been planned, and students attending the exposition will thereby be easily enabled to meet their friends and get information regarding events of the show and federation meetings.

A visit to Swift's packing houses and the stock yards was one of the interesting features of the trip to Chicago, revealing to the uninitiated the enormous business of meat production, and showing clearly why the raising of stock must not decline. The dressed carcasses prove the necessity for the best quality of meat.

The actual number of stock shown this year is probably not greatly different from last, but the animals shown are of far better grade throughout, making a much better exhibit. The recent embargo and quarantine considerably lessened the number of dairy cattle, barring New York, which usually sends the greatest display. Two noted flocks of Shropshire sheep from New York state were also not permitted admission, but the owners feel that the safety of the country is more important than the honors of the exposition.

The attendance at the show this year is estimated at 500,000 against 300,000 for last year. \$75,000 are awarded in cash prizes. 3097 animals valued at \$2,430,000 are exhibited being an average value per animal of \$785.10.

The educational value of the International Live Stock Exposition is an impressive feature. Stock breeders are shown what the standards are and what scientific feeding will do. Students are enabled to see what other colleges are doing and the chances for them to aid in the promotion of the live stock interests of the country. Those who attended can not have come away without having gained a great deal of knowledge and benefit.

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

CROCKERY AND GLASSWARE.

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

DENTISTS.

J. E. STOFFER, D. D. S. Office 301 City National Bank Bldg. Citizens phone 1049. Former M. A. C. student.

N. H. MOORE, D. D. S. Office 411-413 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.

DEPARTMENT STORES.

CAMERON & ARBAUGH CO. Largest and best lighted store in Lansing.

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ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC ENGINEERING CO.—Electrical Supplies and Toys, Telegraph Instruments, Students' Lamps and Extension Cords. 117 Michigan Ave. E.

FURNISHING GOODS.

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

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Corner Washington Ave. and Ionia Street. See ad.

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ORDER YOUR HACKS for parties at Carr's Hack Barn. Livery in connection. 410 Washington Ave. N.

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DAVIS & CO., 127 Michigan Ave. E., make all kinds of Fancy Ice Cream, Sherbet and Ices. Both Phones.

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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.

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MRS. O. T. CASE.—Manicure and Hairdressing Parlors. Masquerade 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.

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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 1080. 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. 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 1500.

DR. OSCAR H. BRUEGEL. Hours, 7 to 8:30 a. m.; 2 to 4 and 7 to 8 p. m. Sundays, 12 to 1 and 5 to 6 p. m. East Lansing, Mich. Citizens phone 1502.

PLUMBERS.

SHIELDS & LEADLEY.—Plumbing and Heating. 300 Washington Ave. N., Lansing. Both phones.