EQUIPMENT FOR THE STUDY OF PHYSICS.

PROF. PHILIP B. WOODWORTH.

A visit to the College should always include a call at the Physical Laboratory. Here will be found the youngest department of the College, and an interesting exhibit of models and apparatus used to illustrate a science which has suddenly expanded into wide commercial applications, marking new fields and creating new industries.

The apparatus in the Physical Laboratory has been carefully gathered and affords excellent facilities for teaching physics and electrical engineering.

The main floor has a lecture room, with chairs for one hundred students, and a small work or tool room. The lecture room is a study. In this one room there must be arrangements to make experimental proofs of the principles and modern industrial applications of heat, sound, light, mechanics, and electricity. The lecture table and surroundings are lighted by a skylight. A large mirror is set to give every student a top view of everything on the table. For the subject of light the room must be very dark for a large number of the experiments. Shutters are provided so that the room can be darkened on short notice. The room and blackboard are lighted by incandescent lamps, operated from a storage battery or some one of the other batteries, so that the wires can be used on the lecture table and surroundings.

On the lower floor is a suite of rooms for experimental work, a dark room with lockers where ten students can develop plates at once; a room with boiler and 15-horse power engine and various types of dynamos and motors. The storage batteries used for lighting and on the lecture table, the nickel-plating plant, and the primary batteries are all by themselves.

Another room, 15x50 feet, has tables for the laboratory work, which supplements the class room work. The exercises are largely taken from dairy, farm, and shop. Special attention is given to working illustrations and explanations of such subjects as physics of soils, fuels, cream separators, ice machines, by drumlin rocks, condensation of milk, heat motors, construction and management of dynamos, electric lights, electro-plating and electric heaters. Electrical circuits have terminals in the room from the laboratory telephone exchange, the Western Union telegraph, the College electric time system, the Lansing street railway system, the College lighting plant and the laboratory dynamos and batteries.

The aim of the course is to prepare young men in such a practical way that they can be relied upon to build or operate the apparatus they will undoubtedly come in contact with in mechanical, electrical or agricultural engineering.

Physical Department.

One morning in the garden bed,
The onion and the carrot said Unto the parsley group: "Alas," replied, in tones of pain, "Unto the parsley group:

"Ah," replied, "Then come and aid me."

The parsley, "In the soup."

---Drake's Magazine.

Yule is called the "poor man's college," but the average expense of its students last year was $1,182.—Ex.

The extraordinary and abnormally earliness of the season has concentrated the farm work usually done in six weeks into two or three. A great variety of special crops must therefore be carried on simultaneously on the farm. I am asked by the editors to outline the work for a single day performed by the students on the farm departments. I have chosen, rather by force than by choice, the first day of July.

One sophomore was running the self-blinder in eye. Four others were cutting, handling, weighing, and spreading out laythyrus silvestris, preparing it for hay and determining its per cent of shrinkage. Six men were at a casting of the plants on the field, of which they have charge, and which are connected with special experiments, cultural and otherwise. Twelve men were engaged in that branch of educational labor which is immediately related to live stock. Seven of this class were judging horses, and five were at work with the poultry. Seven students were at work in the dairy, milking in the mornings and afternoon, separating or setting the milk at that time, or were testing milk and ripening cream and churning it before and half gone on the three.

Another group of men were studying the art of fence building, and on this particular day were stretching the wires on the 94 rods of fence between Nos. 1 and 23.

Of the remaining members of the class, two were weighing up for the last time in a very interesting manner the amounts of hay gathered and at night marked the hills of hay left for the two contiguous plots of the same size, one cut eight times during the season and the other but once; another was beating the hills with a rake, while a third was taking an inventory of the tools in his students' tool room.

Another group was in the office of the Experiment Station, assisting in making calculations for a bulletin soon to be issued and for the permanent record of the Station; and a third was taking an inventory of the tools in the students' tool room.

Farm Department.

AS SEEN BY ONE OF THE SOPHOMORES.

F. W. BORRISON '98.

One o'clock: The bell is ringing and the sophomores are reporting for farm work. Soon after the bell is ringing a group of men from a certain club, in a dietary experiment being conducted by Prof. Peebles, of Connecticut; still another was working on the "curiosity strip," watching the development of the various plants there growing and caring for it generally; and finally two others were working in the office of the Experiment Station, assisting in making calculations for a bulletin soon to be issued and for the permanent record of the Station; and a third was taking an inventory of the tools in the students' tool room.

As seen by the professor in charge, Prof. C. D. Smith.

AN AFTERNOON'S WORK FOR THE SOPHOMORES.

The day begins with the hay-making. The amount of hay gathered in the mornings and afternoon is marked; and the hills of hay left for the two adjoining plots of the same size and on this particular day were stretching the wires on the 94 rods of fence between Nos. 1 and 23.

Of the remaining members of the class, two were weighing up for the last time in a very interesting manner the amounts of hay gathered and at night marked the hills of hay left for the two contiguous plots of the same size, one cut eight times during the season and the other but once; another was beating the hills with a rake, while a third was taking an inventory of the tools in his students' tool room.

Another group of men were studying the art of fence building, and on this particular day were stretching the wires on the 94 rods of fence between Nos. 1 and 23.

Of the remaining members of the class, two were weighing up for the last time in a very interesting manner the amounts of hay gathered and at night marked the hills of hay left for the two contiguous plots of the same size, one cut eight times during the season and the other but once; another was beating the hills with a rake, while a third was taking an inventory of the tools in his students' tool room.

Another group was in the office of the Experiment Station, assisting in making calculations for a bulletin soon to be issued and for the permanent record of the Station; and a third was taking an inventory of the tools in the students' tool room.

As seen by one of the sophomores, F. W. BORRISON '98.

One o'clock: The bell is ringing and the sophomores are reporting for farm work. Soon after the bell is ringing a group of men from a certain club, in a dietary experiment being conducted by Prof. Peebles, of Connecticut; still another was working on the "curiosity strip," watching the development of the various plants there growing and caring for it generally; and finally two others were working in the office of the Experiment Station, assisting in making calculations for a bulletin soon to be issued and for the permanent record of the Station; and a third was taking an inventory of the tools in the students' tool room.
or to keep American weeds out of foreign plants.

A trial to determine the value of salt as a fertilizer, with a couple of freshmen is hoeing corn on his ex-

In the horse stable is Seeley, judging stock with the

In company with these boys we then cross the dam

When feeling pretty tired over our afternoon's journey,

Dr. Mary E. Green of Charlotte visited her daugh-

The object of this investigation is to determine as

Dietary of Students' Club members.

For a long time farmers have discussed the experi-

The English sparrows are harvesting the wheat in

No. 10, which has lain in rough pasture since it was

The东南est acres of No. 18, which is also the

The oats and penn sown for forage in Nos. 14 and 8

The oats and penn sown sown for forage in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this

The oats and peas sown for this year's grain in Nos. 14 and 8 were cut June 30, instead of in the expected drough in Anglo. The y have been laid plans of this farmer "gang aft agley" because of an unexpected early season.

Haying was finished on the farm in June, and the

The only attempts at demonstration were the fire-

Addresses were made by the officers of the two organi-

Part of the afternoon was spent in visits to points of

The Whatsoever Circle of King's Daughters of Lan-

The alfalfa in No. 6 was cut for the second time this
TROUBLES OF ARMENIA.

(Concluded.)

The most important Christian nation which yet groans under the yoke of the Turk is Armenia. For five hundred years the Armenians have been the most faithful subjects of the Turkish throne, and generally have been regarded as the model of contented subjects. But to put aside the Turkish yoke, but only to have some other yoke imposed on them, which is politically opposite to the spirit of the times and to the progress of the age.

Now, let us see what is the demand of the Armenian and all other Christian nations, who are now one-half of the world's inhabitants, and a great power in the world. The Christian nations desire security, the preservation of the Christian religion in this and all other countries, and the prosperity of the Christian people everywhere. Whether we like it or not, the Turks are killing the Armenians; thousands of them are slain; journals write that horrible news, but we in the United States are contented for the present moment. I had secured only one-half of our claims we should be contented for the present moment. But I, as a Christian, as a gentleman, as an American, as a citizen of the United States, as a member of the faculty, with a certainty possessed with faith in the future of agriculture. The state board of education yesterday selected Prof. Holden for the position of superintendent of public instruction. He will be chief in the department and a member of the faculty, with a certainty of advance in both salary and title if successful. Prof. Holden was born and reared to the life of the farm. He knows the business and its people, their condition and their needs. He graduated from Michigan Agricultural College, the oldest of its kind in America, in 1889, and spent the next four years in the same institution in active work in the agricultural department. He has already acquired the special attention to pedagogy, the better to enable him to reduce this new subject to a teaching basis. He is an enthusiast in both investigation and instruction and abundantly possessed with faith in the future of agriculture. He comes to us from influential relations, and consented to serve those relations and come to the University only upon stipulating that this new department should have the brightest possible opportunity for advancement. He will take immediate and absolute control of all matters relating to the field and its crops, and the farmers of the state and their sons may be assured that in Prof. Holden they will have an able and enthusiastic champion and friend.

PROF. CHARLES M'KENNY.

The state board of education yesterday selected Prof. Charles M'Kenney of Olivet, principal of the new State Normal school at Mt. Pleasant. Prof. M'Kenney is a graduate of the M. A. C., '91, and Olivet College and is considered one of the brightest educators in the state. He was born and reared near Dimondale and to the time of his selection to the important position at Mt. Pleasant he has been a prominent candidate for superintendence of public instruction. His selection makes pretty clear sailing now for Jason H. Hammond.
WHAT THE BOARD DID AT ITS LAST MEETING.

The State Board of Agriculture met at the college on Tuesday and Wednesday of last week, and the following business was transacted.

A request of Pathmaster Reel for road work by College team was referred to the President and Secretary, with authority.

The action of the College Experiment Station sent in a communication regarding proposed experiments with tuberculoids in cattle, which was approved and adopted, and the experiment will be carried on in that part of the lines mentioned. The following is the work as laid out:

1. Investigations concerning the amount of infected areas, transmission of the disease from one animal to another, or from animals to man. Under this head come: (a) Examination of milk for bacilli; (b) Examination of fecal matter for the same; (c) Examination of urine for the same; (d) Examination of saliva and sputa generally; (e) Examination of milk feeding by healthy calves.

2. Investigation for the tuberculoid test as diagnostic agent. This involves the frequent testing of the heifer and possible slaughter of suspected animals.

3. Search for means of preventing and curing the disease. Exposure of the cows to sunlight, frequent injections with tuberculoid, the use of rock oil in the feed, beating to the utmost death the thermal death point of the bacillus, observation of the results of inoculating the lines of cattle in Michigan, are lines of experiments suggested and part carried on.

4. Investigation of the heredity of the disease or at least its transmission from mother to progeny through germ plasm.

5. Observations of the life-history, thermal death point, methods of reproduction, possible spots, contamination and other peculiarities of the microbe causing the disease.

The President and Director were authorized to appoint a bacteriologist to assist Dr. Grange in the investigations.

The President and Secretary were authorized to arrange Abbot Hall for the use of the Woman's Department, and President Ryder was authorized to select a matron and teacher, whose title will be "Professor of Domestic Economy and Domestic Science."

The President was authorized to engage an engineer in place of Mr. Edgerton, and also a foreman of the machine shop in place of Mr. Newell, resigned.

A committee was appointed for the purpose of considering the advisability of leasing out the college ground and buildings to such persons as may wish to erect houses for the accommodation of students or professors, or others connected with the college, to report at some subsequent meeting, and if favorably considered, to prepare some rules and regulations which shall govern such lessees.

AN ENCOURAGING LETTER.

Department of Chemistry, University of Idaho, June 20.

To the Editors of The M. A. C. Record:

The M. A. C. Record is rapidly winning a warm place in the hearts of the alumni of the College, and in the esteem of the friends of the school in general. It should have something more "advertising" in its creation. The College has needed just such an exponent all these latter years.

I am gratified to know that M. A. C. has emerged from her swelling clothes and has come out into the sunshine of self-education; also that the College vacations are no longer conform to those in other prominent institutions.

I have the feeling that a period of great usefulness and wide influence awaits the College, and I congratulate the faculty and State Board, who have been in charge of the course, on their success. May a copy of the Record never fail to bring a weekly message to our desk.

We are losing, many hundreds of miles from our alma mater, but as with other diseases, the distance and memory recalls many happy and fruitful years passed at dear old M. A. C. in undergraduate and postgraduate life. Many have been the changes in the personnel of the faculty and the perspective of the campus since the spring of 1876, when I first found myself riding over a frozen, log road en route to the College, there to enroll as a student. How full of thought and inspiration and guidance it has been to me these many years. It was at times a most severe and disheartening struggle to see all the work and effort we have been putting forth lost in vain. The point of view of the student may be lost in the haze of the past. This is a point of view that makes us all, as alumni, wonder how we are to get all the work you can, it will do you good."

A. R. Maynard, '97, is now in Batter city, "5th Artillery," U. S. Army. At present he is at Ft. Preble, Maine. Last fall he was in Brampton, Ontario. He will go into camp at Yosemite Park for six months.

G. C. Wheeler, '93, has charge of the Dewitt, Clinton county, creamery, and is now receiving 6000 lbs. of milk per day. He buys the milk from the farmers and pays for the butter fat according to the test shown by the Babcock tester.

May a copy of the RECORD never fail to bring a weekly message to our desk.
“O. C. Hollister, ’89, is now getting some valuable experience in mountain climbing. He left Cheyenne on the 4th of this month (June) and is now in the heart of the Wind River mountains, running a solar community.

George G. Torrey entered this College at its opening in 1857, from Birmingham, Oakland county. For the past thirty-three years he has been with C. H. Little, 310 East Atwater street, Detroit. On Monday, he visited the College a visit. He was conducted about the campus and shown some of the improvements.

The student is first given an entire plant and is then asked, often to his surprise, what he sees. Instead of being told what is to be looked at, many of the answers are amusing and often very indefinite. For instance, the term round is used to describe circular, cylindrical, spherical, and egg-shaped objects, and occasionally a student says he sees nothing. After a few lessons to open the eyes of the student, he is given soaked seeds of beans, peas, buckwheat, corn, and many others to dissect and compare. Most of the seeds are also planted in clean sand in flower pots or boxes and kept where the students may watch their germination, the different ways in which the plants get out of the soil, and their subsequent growth. Experiments are made to show the effects of light, temperature, and air on germination and growth of seeds and plants, and no explanations are given by the instructor until the students are asked to give their ideas.

Entering Botany.
B. O. LONGYEAR.

The majesty of students are found to be very deficient not only in the ability to see well, but also in the ability to describe well what they see. The work in entering botany in this College has been planned to supply these deficiencies by cultivating and exercising the powers of observation and description, which might otherwise remain dormant.

The student is first given an entire plant and is then asked, often to his surprise, what he sees, instead of being told what is to be looked at. Many of the answers are amusing and often very indefinite. For instance, the term round is used to describe circular, cylindrical, spherical, and egg-shaped objects, and occasionally a student says he sees nothing.

After a few lessons to open the eyes of the student, he is given soaked seeds of beans, peas, buckwheat, corn, and many others to dissect and compare. Most of the seeds are also planted in clean sand in flower pots or boxes and kept where the students may watch their germination, the different ways in which the plants get out of the soil, and their subsequent growth. Experiments are made to show the effects of light, temperature, and air on germination and growth of seeds and plants, and no explanations are given by the instructor until the students are asked to give their ideas.

Often several weeks are spent in this kind of work, each student keeping a notebook in which drawings and notes are made. Later on the different types of roots, stems, leaves, buds, and branches are illustrated by specimens. Then comes the typical flower, complete in all its parts, and all its parts simple and distinct; along with this the deviations from the type, roots, stems, leaves, buds, and branches are illustrated by specimens. Then comes the typical flower, complete in all its parts, and all its parts simple and distinct; along with this the deviations from the type, roots, stems, leaves, buds, and branches are illustrated by specimens.

PREPARED FOR THE MILLBURY-BUCK COMPANY, INC.

Boston Clothing Store,

...College Bus...

Leaves M. A. C. for Lansing at 8:30 a.m. and 1:30 p.m. Returning leaves Lansing at 9:30 a.m. and 4:30 p.m.

Packages left at Emery's will receive prompt attention. Livery or Bus for picnics at reasonable rates.

AUG. 26 TO JULY 31...

DIAMOND CRYSTAL SALT.

DIAMOND CRYSTAL SALT CO., St. Clair, Mich.
BOARD OF AGRICULTURE.
Hon. Franklin Wells, President ......... Constantinople.
Hon. C. J. Monroe .......... South Haven.
Hon. Henry Chamberlain Three Oaks.
Hon. W. E. Boyden ...... Delhi Mills.
The President of the Faculty, Mich. Agr. College.

FACTOR Y AND OTHER OFFICERS.
J. L. Snyder, A. M., Ph. D., President.
Robert G. Kedzie, M. A., M. D.,
Professor of Chemistry, and Secretary of the Chemical Laboratory.
William J. Beal, M. S., Ph. D.,
Professor of Botany and Forestry, and Curator of the Botanical Museum.
E. A. A. GRANGE, V. S.,
Professor of Veterinary Science.
LI. R. KEDZIE, B. S.,
Professor of Horticulture and Landscape Gardening, and Superintendent of the Horticultural Department.
Howard Edwards, M. A., M. D.,
Professor of Zoology and Physiology, and Curator of the General Museum.
Francis G. Keggie, M. S.,
Adjunct Professor of Chemistry.
William S. Holtsworth, M. S.,
Assistant Professor of Veterinary Science.
Philip R. Woodworth, B. S., M. E.,
Assistant Professor of Physics.
Alvin R. Noble, B. S.,
Assistant Professor of English Literature and Modern Languages.
Edison A. Lewis, 1st Lieut. 18th Infantry, U.S.A.
Professor of English Literature and Modern Languages.

ADVISORY AND ASSISTANT STAFF.
A. A. Greater, M. R., Assistant in Agriculture.
Herbert W. Muma, B. S., Assistant in Agriculture.
H. F. Gladson, B. S., Assistant in Horticulture.
M. L. Dean, Assistant in Horticulture.
Thorn Smith, B. S., Assistant in Chemistry.
E. A. A. Grange, V. S., Consulting Veterinarian.
G. C. Davis, M. S., Consulting Entomologist.
Clyde F. Wheeler, B. S.,
Assistant in Botany.
Mrs. L. E. Landon ...... Librarian.
T. H. Lyon, So. Haven ...... In charge of Sub-Station.
T. H. Taylor, Lapeer ...... In charge of Apiary.

OFFICIAL DIRECTORY.
Sunday Chapel Service—Preaching at 2:30 p.m.
Y. M. C. A.—Meets every first and third Friday evening at 7:30 in the chapel.
Phi Delta Theta Fraternity—Meets every first and third Friday evening at 7:30 in the chapel.
Feronian Society—Meets on fourth floor of Williams Hall every Saturday evening at 7:30.
Eclectic Society—Meetings held in their Hall every Saturday evening at 7:30.
Botanical Club—Meets first and third Friday of each month in Botanical Laboratory at 7:30.
Y. W. C. A.—Meetings held in their Hall every Saturday evening at 7:30.
Phi Delta Theta Fraternity—Meetings held in their Hall every Saturday evening at 7:30.
Try and Trust Circle of King's Daughters—Meets every alternate Wednesday.

STATION COUNCIL.
Clinton D. Smith, M. S., ....... Director and Superintendent.
Jonathan L. Snyder, Ph. D., Pres., Ex-officio.
L. H. Taft, M. S., ...... Horticulturist.
Robert C. Kedzie, M. A., M. D., ..... Chemist.
Irvin H. Butterfield, Secretary and Treasurer.

SUB-STATIONS.
Grayling, Crawford county, 80 acres deeded.
South Haven, Van Buren county, 30 acres rented; 5 acres deeded.

CHANCE NEWMAN, Clerk of Mechanical Department.

Aside from the State Board of Agriculture given above, the following are the officers of the Experiment Station:

Owing to the crowded conditions of the stables these animals will be sold cheap.

These Animals will be registered, transferred and placed on board cars at Lansing on receipt of price, which will be given on application to

The Farm ... Department

Offers for sale the following head of live stock:

A Yearling Shorthorn Bull, out of Myte 3rd, and by the prize winning Volunteer, 101205, a pure Cruikshank.

The Thoroughbred Jersey Bull, Retta Avercos, 32119, bred by G. A. Watkins, Detroit, solid color, 4 years old. This bull is by Avercos who was a son of Malilda 4th and by Ida's Kister of St. Lambert. His dam was Retta of Bloomfield (29620) who was by the famous bull Ramapo. No better bred Jersey bull exists today in the state.

Three Holstein bull calves, three months old or younger, all by Maurice Clothilde and out of the selected cows Oatka 3rd's Wayne, College Honwije and College Pauline Wayne.

Nine Yearling Shropshire Rams out of thoroughbred ewes and by a prize Shropshire ram.

Poland China and Duroc Jersey Pigs of both colors, bred ewes and by a prize Shropshire ram.

When young man's fancy lightly turns to thoughts of duck trousers, vacation, and all that sort of ramshackle loveliness, he should direct his steps towards our store, where we make a specialty of

MID-SUMMER CLOTHING
AND BICYCLE SUITS.
A memorable event in the history of the honorary society Tau Beta Pi occurred last Thursday evening when three new members were received and a banquet was served to the members and their ladies. Professors Well and Vodder and E. H. Hodgwick of the Junior class are the newly elected members. After the initiatory ceremonies, which were held in the Mechanical Building, an adjournment was taken to Abbott Hall, where the ladies joined in the comforts of the table. There were present Messrs. Well, Chamberlain, Holdsworth, Babcock, Woodworth, Westcott, and Vodder. Misses Wheeler, Tristan, Steele, Cowley, and Singleton. After refreshment and a musical selection by Mrs. Chamberlain and Mr. Partridge, Prof. Holdsworth, as toastmaster, proposed sentiments which were responded to as follows: "Honors," by Mr. Pashcock; "Greek and Grease," by Mr. H. E. Smith; "A Look Ahead," by Mr. Partridge; "The Engineer," by Prof. Vodder; and "The Ladies," by Prof. Vodder. An other pleasing musical duet brought to a close a most delightful and instructive program.

The Michigan Agricultural College maintains a College Extension course of reading designed especially for farmers, gardeners, fruit growers and stock breeders. This course is open to all who are interested. The State Board of Agriculture is especially earnest in its desire to bring the College nearer to the farmer. There are no expenses to members except the purchase of books. We have already a large and rapidly increasing number of readers and the enthusiasm of those who have taken up the course is very gratifying. Send a postal card for full information to H. W. MUMFORD, Agricultural College, Mich.

The lack of capacity.

To every college will drift now and then a person, who for some reason or other, fails to make progress in his studies. An instance is mentioned in the address of E. B. House, president of the graduating class at the State University. It is the story of the moneyed youth from the "wild and wealthy west." "This gentleman came to College with money, not brains, and he never learned a lesson. He studied as only a freshman can study, but he couldn't do it. Before many weeks a letter went to the father, saying: Your son seemed unable to do the work required in his courses. If he does not improve, it will be necessary for him to discontinue his work at the University. He studies hard and works faithfully, but seems to lack capacity."

"To this the father replied:"

"My dear professor:

"Your letter concerning my son at hand. Now, I'll put up the money, you furnish the capacity."

M. A. C.

SPECIAL RATES ON PHOTOS AT

SHARPSTEEN'S STUDIO.

Straw Hats

Are in season now, and in looking for a place to supply your wants I desire to call attention to my stock, believing it the most complete in this city.

Belts, Sweaters, Negligee Shirts, in fact anything in the way of up-to-date furnishings.

ELGIN MIFFLIN.
Michigan State Agricultural College

Fifteen minutes from Lansing by electric car line.

For pleasant and healthful surroundings,

Completeness of equipment and ability of teaching force.

IT IS UNSURPASSED in the country.

Three Courses of Study of Four Years Each

AGRICULTURAL, MECHANICAL, WOMEN'S COURSE.

FOUR SPECIAL COURSES given during the winter in the following: DAIRY HUSBANDRY, LIVESTOCK HUSBANDRY, FRUIT CULTURE, FLORICULTURE and WINTER VEGETABLE GARDENING.

Everybody understands the advantages of modern inventions and improved machinery to the farmer and mechanic. With these helps many times the work can be done and in less time, and with less labor. Practically the same rule holds good in securing an education. With well-equipped laboratories, and all the modern appliances, specimens, etc., an education—broad, thorough and practical—can be secured in less time than is usually spent in obtaining a very meager one. With an equipment worth nearly half a million dollars, and with a faculty secured from all sections of the country on account of their scholarship and training, we can give advantages offered by only a few schools of this country and at a cost as low as the lowest. The religious, moral and social environments are of the highest type.

Warm rooms in handsome dormitories, heated with steam or hot water, at a cost less than it takes to heat the rooms. Good board at actual cost. No tuition to residents of the State.

Send for a catalogue.

J. L. SNYDER, President.