WHAT THE SHORT COURSES ARE.

The short courses which begin on the 7th of January next and continue for six or eight weeks are the result of an honest and sincere effort on the part of the college, to make its activities of immediate use and value to such young men of the country or town as want to learn something more of farming yet have not time to take a full four or five-year course. Because many of these young people have not had long training in the schools, there are no entrance examinations whatever, nor is the work of the course blistered simply because they have constantly with them a mental picture of the popular type with which they can compare the animal presented to them for judgment.

After the stock judging comes an hour and a half of shop work, one day in the carpenter shop, the next at the forge. Here again the eye, the hand and the judgment are trained in the very lines in which expertise will be needed. Just before dinner, an hour is given over to the study of the anatomy and physiology of domestic animals and the recognition of most common diseases with proper remedies. In this department, the work is intensely practical and many men who have taken the special course in their last year claim to have learned more of the most valuable features of the whole program.

The fruit work nothing is organized in the past report this as one of the most important of all the courses. It is intensely practical and many men will take advanced courses in horticulture after returning to the same line of work.

The short course has continued regularly since 1896. In these eleven years over twelve hundred young men have visited the College for at least one winter. The total number of graduates of the regular course from this total. Most of the students have come directly from the farm and returned to it or have come from butter or cheese factories to return to the same line of work.

The work of these courses has been done from the gradual uplift of farm life, the gradual increment to farm profits, its gradual, perhaps almost imperceptible, adoption of intelligent methods, an evolution not a revolution in the rural homes. A thousand young men with visions unclouded, with minds and hearts touched with the fire of intellectual growth and ambition cannot be scattered through a state like Michigan without spreading the ferment of mental aures and without originating definite mental growth. It is in this grand evolution of a better rural life that the special courses find their greatest usefulness. The financial benefit accruing to the student is a less important matter. Instances are not wanting, however, where the whole life of the student has been revolutionized by the course.

A young man coming from Oak-land county, from a farm, with school training to the eighth grade only, developed a distinct ability not only in the care of stock but in business, went from the college to the management of the farm of a large mining company. He has done his work splendidly and has become an invaluable factor in the business of the concern. Another young man from the same county has continued the breeding of Short-horns, finding the training here quite indispensable to both success and economy. A third young man without previous training except that best of all training, birth and recognized, but are none the less effective and valuable. The state which pays the bills gets its return from the gradual uplift of farm life, the gradual increment to farm profits, its gradual, perhaps almost imperceptible, adoption of intelligent methods, an evolution not a revolution in the rural homes. A thousand young men with visions unclouded, with minds and hearts touched with the fire of intellectual growth and ambition cannot be scattered through a state like Michigan without spreading the ferment of mental aures and without originating definite mental growth. It is in this grand evolution of a better rural life that the special courses find their greatest usefulness. The financial benefit accruing to the student is a less important matter. Instances are not wanting, however, where the whole life of the student has been revolutionized by the course.

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MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 13. LANSING, MICHIGAN, TUESDAY, DECEMBER 24, 1907. No. 14

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Of the young men coming from farms, the greater number have been sons of farm owners and have returned to the same home. The benefits accruing from the course have not been, fortunately, such as to be conspicuous, to be clearly

BACTERIOLOGICAL BUILDING

VETERINARY LABORATORY

(Continued on page 2.)
What Have the Short Courses Done?

(Continued from page 1.)

A FEW "WANTEDS.

Wanted.—A young man to take care of the dairy cow on our farm near Newaygo. Good wages will be paid. Apply to the nearest residence.

Wanted.—Two apprentices who have had some experience in the cheese-making business. Good wages will be paid. Apply to the nearest residence.

Instances of this kind might be multiplied without number. The course condenses into six or eight months the training of a dozen trained men. C. D. SMITH.

F. P. FREEL. EDITOR.

The M. A. C. Record.

Published every Thursday during the college year by the Michigan Agricultural College.

W. J. WHITTEM, Managing Editor.

ASSOCIATE EDITORS.

F. P. FREEL, HELEN D. ROYD, PHOENIX LENTINE, F. H. FERRER, GLORIEN DAKEN, FLANDER, C. W. MALTZ, HELEN P. HENRY, ATHLETIC REPORTER, C. T. KEELER.

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TUESDAY, DEC. 24, 1907.

The M. A. C. Record.

What Have the Short Courses Done?

(Continued from page 1.)

What the Short Courses Are.

The short courses at Michigan Agricultural College are a branch of its educational work. They are designed to give practical training to those who wish to spend a limited time in their study of agriculture. The general aim of the courses is to give the student a practical knowledge of the different phases of agriculture and to enable him to become a successful farmer.

The courses are offered in the following departments:

1. Agriculture.
2. Forestry.
3. Horticulture.
5. Dairy Husbandry.
7. Livestock Management.
8. Crop Production.
10. Chemistry.
11. Agrostology.
12. Entomology.

The courses are open to all students who are willing to devote a limited amount of time to their study of agriculture. They are offered during the fall and spring terms.

The courses are designed to give the student a practical knowledge of the different phases of agriculture and to enable him to become a successful farmer.

In addition to the courses offered in the departments mentioned above, there are several special courses which are designed to give the student a practical knowledge of the different phases of agriculture and to enable him to become a successful farmer.

The special courses are offered in the following departments:

1. Dairy Husbandry.
2. Livestock Management.
4. Crop Production.
5. Agronomy.
6. Chemistry.
7. Agrostology.
8. Entomology.
10. Industrial Arts.

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JEWETT & KNAPP
520-222 AND 224 WASHINGTON AVENUE SOUTH, LANSING, MICHIGAN

ABOUT THE CAMPUS.

Some indoor baseball team may be organized next term.

Prof. and Mrs. Sackett are spending the Christmas vacation at Columbus, Ohio. Secretary Moon of the Y. M. C. A. will act as toastmaster at the Annual Men's banquet at Alma, Jan. 11.

Lost.—A watch box lost last Tuesday, Finder please leave at Y. M. C. A. rooms. Liberal reward. G. W. Stanner.

R. C. Benner, at M. A. C. in '02-'03 is now Instructor in Chemistry at the University of Arizona. The university is situated in the heart of the mining district and affords excellent opportunity for practical work.

F. M. Boyles who began the year as instructor in the chemical department resigned some time ago to accept a government position in cane sugar investigation at New Orleans, La.

Onepound of learning requires 10 pounds of common sense to apply it. C. G. Woodbury, '04, is spending the Xmas vacation with his parents here.

Pres. and Mrs. Snyder attended the New England Society banquet at Detroit Thursday evening. Miss Marguerite Barrows of Kansas City, Missouri, and Henry D. Hughes will represent Alma college in the New England Society banquet at Hope College next March.

Dancing, songs and apples assisted the Sophomore class to close Thursday night with a mid-week houseparty in the gym.

Director Brewer will be busy during vacation putting the gymnasium apparatus in shape for the winter term. The hockey rink may also be built before the opening of next term.

The sophomore class sweaters were sprung just previous to the closing of the term. This year it is a sweater vest with the numerals '04 on the left side. The class athlet es are distinguished by an arrow running through the numerals.

ALUMNI.

Mamie L. Crosby, special student at M. A. C. '98-'99, now in the employ of the department of agriculture, has been sent to Lincoln, Neb., to open a seed testing station at that place.

R. F. Bell called on old college friends last week. E. C. Place, '04, has been filling the position for the fall term.

A thousand delegates are expected at the annual meeting of the Michigan Improved Live Stock Breeders' and Feeder's association which will be held at the college Jan. 14, and 15. Senator W. A. Harris of Kent County, Michigan, will speak on the subject of Beef Cattle; Prof. H. H. Dean of the department of agriculture; has been sent to Lincoln, Neb., to open a seed testing station at that place.

Mr. Bennett is now connected with the Colorado experiment station, and Henry D. Hughes will represent Alma college at that place. Each man is equipped with a whistle with which to summon assistance and down the town the fight rages. Each member of the team will be six feet or over in height, and weight on the average 200 pounds. There are no goals, side lines, or halves. The game lasts until one side is the winner, and frequently this is not accomplished before two or three days.

The idea of the game is to force the enemy's country, and I know of one clever player who did so by passing the ball over the roofs of the houses. As you may imagine, one hundred giants yelling and fighting in the streets create some excitement.

Chinese Football.

"The first game of football I witnessed upon my arrival in China," said a correspondent, "was between the Chinese and the American students. I have not played as is the American game, but later found that it is very popular in North China. It is not played as is the American game, and instead of eleven players to the side there are fifty. These northern Chinese are almost giants, and every man on the team will be six feet or over in height, and weight on the average 200 pounds. There are no goals, side lines, or halves. The game lasts until one side is the winner, and frequently this is not accomplished before two or three days.

The idea of the game is to force the small wicker basket, which takes the place of the ball, into the territory of the other side—this territory being one-half of the town, and up and down the town the fight rages. Each man is equipped with a whistle with which to summon assistance when too hard pressed.

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Equipment for the Special Courses. 

Room is well equipped not only with tests for measuring the water in butter, lactometers and other safeguards against imposition, and scientific apparatus in use in creameries. Creamery machines will receive more attention this year than heretofore. Engines and boilers will be provided for the instruction along these lines.

Nothing need be said at this late hour concerning the bacteriological laboratory and its equipment. It stands unrivaled among agricultural colleges, as the best building of its kind in the country.

The horticultural department has taken over in the same way to have ready samples of the different varieties of fruits and appliances for instruction in horticultural manipulation, such as grafting and pruning. There is a line of power and hand sprayers. Practical work will be given in the manufacture of sprays, and all needed apparatus is kept ready for use by the department.

Since more attention heretofore will be given to chemistry, the department of chemistry has equipped itself with all apparatus and supplies needed for their work.

Besides specific help to the student, there is the library with its thousands of bound volumes and many thousands of pamphlets, ready for the use of the student and the faculty. The gymnasium opens its doors to him with the swimming pool, show him or half and other aids to make him healthy and wise.

DR. FLETCHER RESIGNS

Will Accept Directorship of the Virginia Experiment Station.

Dr. S. W. Fletcher, who for the past three years has been at the head of the horticultural department at M. A. C. and has gained an envious reputation among the horticulturists of the state, has resigned to accept the more responsible and more lucrative position as director of the Virginia experiment station. He will not leave for his new field until his successor is appointed here.

The position is one which Dr. Fletcher has had under advisement for some time. While loth to leave his work and associates here the greater responsibility and consequently greater salary together with the many opportunities for original investigation in a comparatively untouched field have led him to make this choice. Virginia is awakening to her agricultural possibilities. Fruit growing and trucking are beginning to be large industries, and the agricultural college is well supported, a $100,000 agricultural building having been erected last year. Aside from his executive work he will continue his original investigation along horticultural lines.

PARKER-LOSEY.

At 5 o'clock this afternoon at the home of Mr. and Mrs. James R. Losey, 316 Butler street, south, was solemnized the marriage of their daughter, Miss Sarah B. Losey, and Mr. Ward H. Parker, of Flint. Presiding Elder W. P. French officiated. The guests were the immediate relatives. After a trip to Buffalo Mr. and Mrs. Parker will be at home with the bride's parents until June, when they will go to Flint to make their home. Mr. Parker is a member of the senior class at the Agricultural College, and was right guard on the College football team, State Republican, Dec. 20, 1907.

USEFUL CHRISTMAS GIFTS

We purchased a large sample line of belts which includes every style of Black and Colored Jute Belts, Leather and Silk Elastic Belts.

Also the finest line of hand and studded elastic belts from $2.00 to $90.00 each.

Ladies Cedlar and Cuff Sets and fancy stocks in a box. "Hoppin" Holders, Buck Combs and Handkerchiefs in exclusive variety.

CARLISLE & ARBAUGH Company

AVERAGE men are as colorless as average clothes. College men are outside the average—their togs have to be—College Brand Clothes are. Just a bit more dash to 'em, a great sight more style and the precisely right amount of fit. Though exclusive their price isn't enough to exclude you from wearing 'em. For the young man and the "like-to-be-young.

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