A New Experiment in Agricultural Education. 

Mr. M. G. Kains, '95, writes from Brooklyn, N. Y., with the date Oct. 8th. His letter describes a new departure in agricultural instruction, and is of interest to readers of the Record. We therefore print it in full:

"In the Record of Sept. 25th, I said that the resignation of the editor of the Record is being recognized by the publications of pure science for the increasing influence of the discovery is being recognized by the public. I hope, therefore, that the increased interest and effort to widen and to increase in power.

"With best wishes for a successful opening of the Fall Term and the dear old College, I remain, Yours very truly, M. G. Kains."


The first report of the Michigan Academy of Science, lately issued, covers the time from the organization of the Academy in June 1895, and contains a mass of valuable material, interesting to scientists and also to all men whose plane of thought is at all broad.

Dr. Money Miles in an article on "Futile Experiments for the Improvement of Agriculture," took strong ground concerning the value of scientific research in the discovery of the underlying principles of farm practice.

"No general statement in regard to the nutritive value of foods can be formulated from the results of experiments alone. The experimental results are alone considered and Liebig's classification of foods has not the physiological significance claimed for it. The same animal may give quite different results with the same food at different times, and different animals are not likely to agree in the returns given for the same food under the same conditions.

"From the complex processes of soil metabolism and the various conditions that have an influence for crops growing in the late fall and winter, water, composed of various sized sticks for a foundation and reeds, grasses and sedges—a rather coarse structure and bulky as is usual with the nests of hawks. Nearly as often is the nest placed flat upon the ground in the hay-fields, or in the growing wheat, oats and barley. In such places it is placed simply of a few spears of the grass grain punctured and readied that which may be bent and trimmed down upon the spot. With few exceptions that are destroyed before the young are ready to fly. I find many broken eggs in the nest. Each egg is five, pale blue, with a water composed of various sized sticks for a foundation and reeds, grasses and sedges—a rather coarse structure and bulky as is usual with the nests of hawks. Nearly as often is the nest placed flat upon the ground in the hay-fields, or in the growing wheat, oats and barley. In such places it is placed simply of a few spears of the grass grain punctured and readied that which may be bent and trimmed down upon the spot. With few exceptions that are destroyed before the young are ready to fly. I find many broken eggs in the nest. Each egg is five, pale blue, with a

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The M. A. C. Record

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PUBLISHED WEEKLY BY THE MICHIGAN AGRICULTURAL COLLEGE.
EDITED BY THE FACULTY.
AMENDED BY THE STUDENTS.
SUBSCRIPTION
20 CENTS PER YEAR.

Nov. 6, 1900.

The annual mechanical junior inspection trip occurred on the last Tuesday. About 35 of the mechanical students were divided into squads and taken to the Niehaus Company's large establishment and the Chicago Edison Lighting plant. The latter was especially interesting from a practical standpoint.

For various reasons the M. A. C. RECORD is occasionally sent to those who have not subscribed therefor. We have no hesitation about taking the paper from the postoffice and sending it to them the way. However, to secure the RECORD regularly is to subscribe.

It is somewhat strange that no one has as yet called public attention to an increasingly alarming feature of the game of football as now played throughout the land. I refer to the growing tendency to indulge in the policy of penalty and other things which encourage self-sacrifice of those citizens who are to follow in the footsteps of the men who are now fighting or who have fought, and then a crippled for life or is even killed. But when one calls to mind the situation of the world today it is not strange at all that something is done to stop this. Rules are necessary to stop it, and for that matter the game, if properly developed—how it might be made a school for the most daring courage and supreme self-devotion in the face of real danger. One cannot but regret that it is so haphazard in its working though.

For instance, there is an absurd prejudice against what is known as "slugging"; and it is actually done. As a result of the way and then a crippled for life or is even killed. But when one calls to mind the situation of the world today it is not strange at all that something is done to stop this. Rules are necessary to stop it, and for that matter the game, if properly developed—how it might be made a school for the most daring courage and supreme self-devotion in the face of real danger. One cannot but regret that it is so haphazard in its working though.

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animals as nearly alike as two peas. His herd is not kept for show pur-
poses but every animal is in splendid condition and gave the class an idea
of what a profitable working herd should be to stand in the front ranks.
At Mr. Holabird's were seen some of the finest show animals in the United
States. There we were privileged to view some champions.

We feel that we enjoyed a rare privilege in visiting these three
places. Besides the Durham cattle we saw some very excellent Berks-
shire swine. All of these men have fine farms and buildings which
were designed by hospitable proprietors inspire the visitor with a love and respect
for agriculture that can never be gained from books and bulletins. The class
feel that these tours are one of the finest things in the College
course, and sincerely believe that they should be given a prominent
place in the Agricultural Course.

G. SEVERS.

Meeting of the State Board of Agriculture.

(Continued from last week.) On recommendation of the farm
committee Prof. Mumford's plan regarding the tuberculin test as ap-
plicated to the College herd was adopted. This plan is as follows:
First, That so far as practicable, no animal be added to the College
herd that has not been subjected to the tuberculin test and found sound.
Second, That all animals now belonging to the College herds that
have not not been tested, shall be tested this fall before going into the barns
for winter quarters. This will in-
clude calves and young cattle.
Third, That all animals that have
at any time shown any signs which
would lead us to suspect a tubercu-
losis condition, should also be tested.
Fourth, That in addition to the contemplat ed test, repeated tests of
such animals as exhibit suspicious
exactions be made at the end of one
year. Animals which do not
exclude calves and young cattle.

Junior Horticulture.

This term's work of the agricul-
tural juniors in horticulture is divided
into three parts, labor, laboratory
work and lectures.

The labor comes from one to three
p.m. about three times a week. It is
during this time that the student has
an opportunity to put into practice so
many of the theories that are handed
out, by his honored pro-
fessors. Mr. Dean, assistant horti-
culturist oversees the work that is
done in the east forcing house, in the
vegetable garden, and in the orchard.
The principal work that is done in these
departments at this time of the year
is planting apples, bucking up
fall celery and forcing the strawberry
beds.

The labor also takes in work under Mr. Gunnison in the
green house. Here experience is gained in
preparing seedlings, in transplanting
seedlings and in doing other
miscellaneous things which are nec-

Only one-third to two-thirds of the
students at M. A. C. are students in the
horticulture department. Mr. Gunnison
will talk at the next meeting.

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