

ve could no longer
graham wafers from
d them too expen-
brown bread, which
d. This little rem-
n by way of a hint.

suggested having
ing forth the food
, there is no reason
at now. The W. I.
se leaflets could be
ndling honey, either
e Association or of
as decided. They
generous use of at

forts were thought
t the newspapers

At any rate, it
each Association to
to see that all items
g bees found their
pers. Now, if every
this matter up
oon have an oppor-
out, experimentally,
peration. Of course
me putting his hand
will be money wise-
present the Govern-
g a large part of the
accomplished by the

SHORT COURSE.

year the Massachus-
college has been re-
course in bee-keeping.
id, a short course,
ndicated in this cir-
nged.

year a regular de-
tion has been estab-
ge. This consists of
n, and library equip-

d out is of the most
d every attempt will
ize the points which

are worth while, giving short cuts and modern methods most helpful to bee-keepers.

Course limited to 15 students. Registrations are accepted in the order in which they are received.

The following experts in bee-keeping will give the work:

FACULTY

Doctor Burton N. Gates, Assistant Professor in Bee-keeping; Apiarist of Experiment Station, Amherst.

Doctor William P. Brooks, Director of the Massachusetts Agricultural Experiment Station, Amherst.

Doctor George E. Stone, Professor of Botany, Massachusetts Agricultural College, Amherst.

Doctor Henry T. Fernald, Professor of Entomology, Massachusetts Agricultural College.

Doctor James B. Paige, Professor of Veterinary Science, Massachusetts Agricultural College.

Other bee experts will be engaged for other lectures.

COURSES OF STUDY

1. Practical Phases of Bee-keeping: Lectures and demonstrations; personal and individual instruction in the handling of bees; rearing of queens; construction and use of different kinds of hives; comb and extracted honey; increasing of colonies; control of swarming; the hiving of bees; especial emphasis will be given to the diseases of bees and their treatment, which are now known to occur in practically all parts of the State. Doctor Gates.

2. Crops for Honey Bees: Lectures and excursions. The relation of bees to fruits and forage plants; a study of the plants yielding nectar; what to grow and how to grow them. Doctor Brooks.

3. The Relation of Bees to the Pollination of Plants: Lectures and laboratory work. A study of the parts of the flower which produce pollen and nectar; foods of bees; a microscopical study will

be made of the character of the grains which compose 'bee bread,' and of the organs which secrete nectar. Doctor Stone.

4. Structure of Bees: The structure of bees as related to their work; how pollen and honey are gathered and carried to the hive; the production of wax; the composition of a colony; the principles of swarming, etc.; three lectures. Doctor H. F. Fernald.

5. Bees, and Bee-keepers' Supplies: The different types of hives, smokers, veils, and other equipment necessary in the successful development of this industry. Doctor Paige.

CONVENTION OF BEE-KEEPERS.

JUNE 6 AND 7.

As a closing feature of this short course, a convention of bee-keepers is being planned for the above dates. Features of this convention will be the lectures and demonstrations by some of the leading authorities in this country, who are being especially engaged for this occasion and the exhibits of bee-keepers' supplies and equipment.

Men and women who cannot come for the whole of the course and organizations of bee-keepers are invited to meet at the College on these dates. By correspondence in advance, every effort will be made to make everyone who comes comfortable.

A separate program of this convention will be issued later.

EXPENSES OF TAKING THE COURSE

No tuition or fees will be charged. Board can be had at Draper Hall at \$4.00 a week. Rooms in the vicinity of the College cost \$1.50 to \$3.00 a week, depending upon whether the room is occupied by one or two people. Rooms will be reserved for those who write in advance for them. For other information, write

WILLIAM D. HURD,

Director of Extension Work,
Amherst, Mass.