

**PROGRAM OF APICULTURE SHORT
COURSE AT GUELPH, ONT.—
JANUARY 9-20, 1912**

The following arrangement of subjects will be adhered to as closely as possible. No changes in advertised speakers or subjects will be made, unless absolutely necessary.

Lectures will, as far as possible, be illustrated with lantern slides and the actual objects under discussion.

Tuesday, January 9th

9.30—10.30: Mr. Morley Pettit, Provincial Apiarist, O. A. College. The Anatomy of the Bee.

10.30—11.15: H. G. Sibbald, Esq. Toronto. Importance of Good Queens.

11.15—11.45: Discussion by members of class.

2.00—3.00: Mr. Morley Pettit. Life History of the Bee.

3.00—4.00: Mr. P. G. Clark, Marietta, N.Y. Queen Breeding. Demonstration No. 1.

Wednesday, January 10th

8.45—9.35: Mr. Morley Pettit. The Home of the Bee and its Food.

9.35—10.25: Prof. T. D. Jarvis, B.S.A. Associate Professor Entomology, O.A.C. The Physiology of the Bee and the Cause of Disease.

10.25—11.15: Mr. H. G. Sibbald. Wax Rendering. Demonstration.

11.15—11.45: Discussion.

2.00—3.00: Mr. Morley Pettit. How Bees Produce Honey.

3.00—4.00: Mr. P. G. Clark. Queen Breeding. Demonstration No. 2.

Thursday, January 11th

8.45—9.35: Mr. Morley Pettit. Natural Increase of Colonies.

9.35—10.25: Prof. S. B. McCready, B.A., Professor Nature Study, O.A.C. Structure of Flowers.

10.25—11.15: Mr. H. G. Sibbald. Elements of Success in bee-keeping. (1) The Man. (2) The Location. (3) The Bee and Hive. (4) The Market.

11.15—11.45: Discussion.

2.00—3.00: Experimental Union.

3.00—4.00: Mr. P. G. Clark. Queen Breeding. Demonstration No. 3.

Friday, January 12th

8.45—9.35: Mr. Morley Pettit. How Increase May be Controlled or Prevented.

9.35—10.25: Question Drawer.

10.25—11.15: Mr. L. Caesar, B.A., B.S.A., Lecturer in Entomology, O.A.C. Nature's Control of Insect Life.

11.15—11.45: Discussion.

2.00—3.00: Mr. Morley Pettit. Artificial Increase.

3.00—4.00: Mr. P. G. Clark. Queen Breeding. Demonstration No. 4.

Saturday, January 13th

8.45—9.35: Mr. Morley Pettit. Management for Extracted Honey.

9.35—10.25: Prof. J. W. Crow, B.S.A., Professor of Pomology, O.A.C. Influence of Bees in Orchards.

10.25—11.15: Mr. W. J. Craig, Brantford, Ex-President Ontario Bee-keepers' Association. Bees Wax from the Bees to Foundation.

11.15—11.45: Discussion.

2.00—3.00: Mr. W. J. Craig. How Bee Hives are Made.

3.00—4.00: Mr. Morley Pettit. Management for Comb Honey.

Monday, January 15th

Visit to Bee Supply Factory in Brantford.

Tuesday, January 16th

8.45—9.35: Mr. Morley Pettit. Care of Bees in Winter and Spring.

9.35—10.25: Mr. Crawford. The Use and Care of Tools.

10.25—11.45: Report of Brantford Trip by Members of Class.

2.00—3.00: Mr. Morley Pettit. Benefits of County Organization.

3.00—4.00: Prof. R. Harcourt, B.S.A., Professor of Chemistry. Chemical Properties of Honey and Beeswax.

Wednesday, January 17th

8.45—9.35: Mr. Morley Pettit. Diseases of Bees.

9.35—10.25: Dr. C. J. S. Bethune, M. A., D.C.L., Professor of Entomology, O. A.C. The Relatives of the Bee; Bumblebees, Wasps, Etc.

10.25—11.15: Question Drawer, opened by Mr. E. R. Root, Editor "Gleanings in Bee Culture," Medina, Ohio.

11.15—11.45: Discussion.

2.00—3.00: Mr. P. W. Hodgetts, Director of Fruit Branch, Department of Agriculture, Toronto, Ont. The Benefits of Advertising.

3.00—4.00: Mr. E. R. Root. General Handling of Bees.

Wednesday Evening

Public Meeting in Massey Hall.

Dr. G. C. Creelman, B.S.A., LL.D., President O.A.C. The District Representatives and what they can do for Bee-keeping.

Want and Exchange

Advertisements for received at the rate of 10 words, each additional word is 5 cents. Payments strictly in advance. Amounts are too small to keep. Write copy of sheet from any other side of the paper only. Many times ad. is to be must reach us not later each month.

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Mr. E. R. Root. The Future of Bee-keeping. (Lantern Views.)

Thursday, January 18th

8.45—9.35: Mr. Morley Pettit. Ontario Foul Brood Act.

9.35—10.25: Prof. J. E. H. Professor of Botany, O.A.C. Some are Fertilized.

10.25—11.15: Mr. E. R. Root. Bees to Horticulture.

11.15—11.45: Discussion.

2.00—3.00: Mr. Morley Pettit. Races of Bees.

3.00—4.00: Mr. E. R. Root. From Hive to Consumer.

Friday, January 19th

9.00 a.m. and 2.00 p.m.—Conference, addressed by Mr. Hodgetts, Director of Fruit Branch, Parliament Buildings, Toronto. Mr. Morley Pettit, Provincial Apiarist, Local Inspectors of Apiaries.