

## 6th Annual Course in Practical Agriculture

Elgin, Ontario, January 25th to February 18th, 1921

### Announcement

There is a tide in the affairs of men which, taken at the flood, leads on to victory.

To insure success one must ever make the most of opportunities. The action of this Department of Agriculture in holding the Annual Four Weeks Short Course in Elgin, affords the young men of the District a very distinct opportunity for advancement. Do not hesitate to embrace it. You cannot afford to not attend the Course. Agriculture is a vast subject. The lectures will be practical and will in no way exhaust the subject matter.

The need of improved methods will be greater in the next few years, with comparatively low prices than has been the case in the past. Kindly drop us a card, stating that you will attend the Course. We need you in order to make our work the greatest success possible. You need us in order to develop your efficiency. Lectures commence Tuesday, January 25th at 10 o'clock a.m.

There will be no expense in connection with the course. Admission is free, and no text-books are required. If you intend to attend the Course, will you kindly mail to this office at your earliest convenience the enclosed postal card. Classes will be held in the Town Hall, Elgin, which will be comfortably heated. There will be courses every week-day except Saturday, from 10 to 12 a.m., and 1.30 to 4 p.m.

Special Lectures on the following subjects will be given by expert men sent to us by the Department of Agriculture.

**Short Course Lectures and Dates.**  
 Jan. 31—R. R. Hurst.....Plant Diseases  
 Feb. 1—R. H. Harding.....Dairy Cattle  
 Feb. 2—W. A. Weir.....Bees  
 Feb. 3—F. L. Ferguson.....Drainage  
 Feb. 4—Dr. F. G. Halton.....Vet. Sc. and Horses  
 Feb. 7—T. A. Reeves.....Vegetables  
 Feb. 8—E. J. Quail.....Farm Economics  
 Feb. 10—T. A. Wiggins.....Co-operation  
 Feb. 10—H. F. Foster.....Fruit

Feb. 15—Jesse Travers.....Poultry  
**Special Trips** will be made to nearby stock farms. Features and practical work given in judging horses, cattle, sheep, and swine.

Motion pictures are available for illustrating breeds of live stock and poultry, and on various other farm topics these will be made use of in connection with the various lectures on these subjects.

### Outline of Course

#### Live Stock and Principles of Breeding

A study of the type desired in the various classes of farm animals, history and characteristics of the different breeds. Judging of horses, cattle, sheep and swine. Breeding, management and health of farm stock.

#### Field Crops

A study of the principal field crops of the County with practice in judging seeds of all kinds, principles of crop improvement, rotation of crops, results of experimental work at Ottawa and Guelph.

#### Dairy Farming

Feeding, care and management of the dairy herd. Care and handling of milk, testing milk and cream, cow testing associations, and keeping records of the dairy herd.

#### Feeds and Feeding

A study of feeding value of foodstuffs used on the farm, their adaptability to different classes of stock, working out balanced rations for feeding purposes.

#### Poultry

Breed characteristics of different classes of farm poultry, feeding and general management, poultry house, egg production and incubation, crate fattening, egg circle work.

#### Soils and Farm Drainage

Study of the origin of soils, different types of soils, soil in relation to heat, moisture, evaporation, mulching and cultivation, maintaining and increasing soil fertility. Benefits derived from drainage and a consideration of the principles of tile underdrains.

#### Agricultural Botany

Identification and methods of eradication of weeds, characteristics, life history. Identification of weed seeds in grain, grass, and clover seed, with practice in detecting them. Seed Control Act and its application. How plants grow and their relation to soil, air, light, and temperature and moisture.

#### Insects and Fungus Diseases

Study of the injurious insects of orchard, garden and field, their habits and injurious effects. Study of fungus diseases of farm crops, rusts, blights, smuts, rots and scab. Life history of each and modern methods of combatting and preventing them.

#### Horticulture

Orchard cultivation, methods of grafting and propagating, pruning, spraying and application of fertilizers, harvesting and marketing the fruit. The making of lime, sulphur and other fungicides and insecticides. Co-operative Fruit Growers' Association. Growing of fruit and small vegetables for the home. The farmer's garden.

#### Bacteriology

The study of bacteria in agricultural processes, bacteria in soil, in milk, cheese and silage. Bacterial diseases of plants and animals.

#### Farm Chemistry

Constituents of soils used by plants. Constituents of plants made use of by the animal's body. Process of digestion and assimilation in the animal. Action of commercial fertilizers and barnyard manure on soils.

#### Marketing and Co-operation

The value of proper preparation and packing of farm products. How to co-operate in marketing. Value of co-operation to the farmer.

#### Farm Book-keeping and Arithmetic

Simplified book-keeping on the farm. Farm records and business accounts. Notes, mortgages, etc. Practical arithmetic, decimals, percentages, interest, computing areas.

#### Farm Management

Specializing in farming, selling, buying, advertising, economical handling of labor so that it may be turned into profit. Methods of our most successful farmers.

### Home Nursing Course

The Elgin Branch of the Women's Institute is cooperating with the Ontario Department of Agriculture in conducting a Home Nursing Course, from February 1st to February 8th. Those taking part in the

course will have the privilege of attending certain lectures in connection with the Short Course in Agriculture, which will be of interest to the ladies. Program of the Course will be drawn off later.

Send your applications for attending the Course to the Institute Officers, who will furnish full information regarding the Course: Mrs. Fred. Stanton, President, Elgin, Ont.; or Miss Eva Halliday, Secretary, Elgin, Ont.

Mrs. M. E. Lowe, 361 Jarvis Street, Toronto, will act as demonstrator and will have charge of the classes.

#### LIST OF SUBJECTS

1. The Human Body and Its Structure—Bones, joints and muscles, formation and function. Position and functions of organs. What we mean by sickness and accident.

2. Sick-room—Sanitation, choice and preparation, lighting, heating, ventilation, care, etc. Necessary articles for intelligent nursing. How to take temperature, pulse, respiration. Record keeping for the doctor.

3. Bed-making for Various Forms of Sickness—Fever patient, confinement, fracture; choice of bed, position in sick-room; improvised bed-rests and bedding, supports, how to air and warm beds, move helpless patients, change sheets with patient in bed.

4. The Bath—Kinds and effects. How to bath patients in bed. Hot and cold packs. How to change the night-dress of helpless patients.

5. Emergencies—Hemorrhage, drowning, suffocation, strangulation, artificial respiration, clothing catching fire, fainting, etc. Treatment of bruises, wounds, burns, blisters, scalds, etc. Removal of foreign bodies from eye, ear, nose and throat.

6. Hot and Cold Applications.

7. Bandaging—Use and preparation of bandages—roller and triangular; practice in arm and sling, shoulder, head and foot, leg bandages.

8. Contagious and Infectious Diseases—Stages, eruption and quarantine. Special care in nursing. How to prevent the spread of disease. Disinfectants and fumigation.

9. The Administration of Food and Medicine.

10. Baby Hygiene—Immediate care of baby—eyes, mouth, breathing, bathing, dressing, feeding, preparation of artificial foods.

### Sheep and Swine

Elgin, February 16, 17, 18, 1921

Special courses in Sheep and Swine Marketing will be conducted by the Live Stock Branch of the Dominion Department of Agriculture, in Elgin. These courses will be in charge of A. E. McLaurin, Sheep Promoter for Eastern Ontario, and Mr. Fraser, Wool Grader, and should prove of real value and interest to sheep and swine breeders of the district.

### Programme

#### FIRST DAY

Session—10 a.m. to 12 a.m.

Subject (a) The Sheep Industry and its Importance.

(b) Demonstrations in Problems of Sheep Management, Docking and Castrating.

Subject (a) The Breeding and Feeding of Market Lambs.

(b) Co-operative Marketing of Lambs (Collecting, Shipping, Grading, and Settlement.)

Session—2 p.m. to 5 p.m.

(a) Killing and Dressing Lambs for Home Consumption and Market (Demonstration.)

(b) Selection and Preparation of Lamb Cuts ((Demonstration).

#### SECOND DAY

Session—10 a.m. to 12 a.m.

Subject (a) Care of the Fleece Before and After Shearing (Demonstration).

(b) Sheep Dips (Preparation, use and benefits).

Subject (a) Wool Improvement (grades and market value).

(b) Wool Grading Demonstration.

Session—2 p.m. to 5 p.m.

(a) The Pure-bred and Its Relation to Sheep Improvement.

(b) Judging Breeding and Market Sheep

#### THIRD DAY

Session—10 a.m. to 12 a.m.

Subject (a) Problems Confronting Canadian Swine Raisers.

(b) Points to Consider in Selecting a Good Brood Sow.

Session—2 p.m. to 5 p.m.

(a) The Relation of the Live Hog to the Import Trade.

(b) Judging Market Hogs.

### Competitions

Every young man who attends this Course is eligible to enter the Acre Profit Competition, the Dairy Profit Competition, Feeding Hogs for Profit Competition, and all other Competitions conducted by the Ontario Department of Agriculture. The prize for each of the above is a two-weeks' Short Course at the Agricultural College, Kemptville, with transportation and living expenses paid.

Full particulars regarding these Competitions will be announced at this Course.

An Inter-County Judging Contest is annually arranged at the Ottawa Winter Fair, at which teams of three young men from fifteen Counties are eligible to compete. Generous cash prizes are offered for individual prize-winners and also a silver cup to go to the team standing highest in the Competition. The young men are picked from those attending the Short Courses. Leeds County team stood second in this Competition last year.

For further information, write, phone or call

The Department of Agriculture,  
Athens, Ontario.

WALTER H. SMITH,  
Agricultural Representative

# Union Meetings

## Methodist and Baptist Congregations

ATHENS

Conducted by

Revs' S. F. NEWTON and  
R. E. NICHOLLS

Continuing Nightly

# MASS MEETING

Sunday, February 6, 7 p.m

Subject:—

“The Old Paths”

Preacher: Rev. S. F. Newton  
Song Service 6.45 p.m.

Monday, Wednesday and Friday

Conducted by Rev. R. E. Nichols

Tuesday and Thursday

Conducted by Rev. S. F. Newton

Song Services every night at 7.30 p. m.

Plan to attend all the Services.

Pray for these meetings.

Talk them up with your friends.

Keep This Sheet For Reference.