

# Agricultural News

F. E. I. Department of Agriculture

## Chicken Worms.

Most farm flocks are infested with worms but a few worms may do little harm. Slight infestations, however, if unchecked, may become serious.

The most expensive poultry disease, freedom from infestation. Probably no single factor contributes as much to the development of these parasites as continuous use of the same ground year after year.

Here are the symptoms of worm infestation: Unthriftiness, drooping or sagging wings, pale head, emaciation. Loss of appetite comes only in the advanced stages. In early stages there may be excessive appetite and thirst. Droppings are often a yellowish brown color. You may notice lameness followed by paralysis in one or both legs. The neck may be twisted or the head turned back over the body.

Here's how to treat and control it. Sanitary management is the best weapon against these enemies of your flock. You may never be completely rid of poultry worms but the best way to control them is to keep clean, properly balanced rations and pure water. Dispose of sick and dead birds properly, avoid overcrowding and separate growing birds from mature stock.

## Tractor Daily Service.

Daily servicing of the farm tractor consists of inspection of cooling, fuel, lubrication, engine oil, tractor greasing, and preventative maintenance.

The cooling system must be inspected for water level whenever the engine is filled with fuel, and in some tractors many times a day to insure sufficient water for adequate cooling. Soft water is preferable.

Tractors mounted on rubber should be grounded with a short length of chain, similar to oil trucks, dragging from the tractor, at all times, to prevent the possibility of fire when filling the fuel tank. A clean pump, a clean container, and careful use, will assist in keeping the fuel clean. It is well to have a pint of clean used oil to five gallons of gasoline in the starting tank for cylinder and ring lubrication, when starting.

The engine oil level must be inspected by the oil level gauge or cocks every time the engine is filled with fuel. Only sufficient oil should be added to maintain the proper level in the crank case.

The air cleaner must be clean to function properly. Some old cleaners of the cartridge type must be washed out with kerosene and dipped in oil each day and in dusty conditions even every half day, so

that the dust may be adequately removed from the air, and also that the air cleaner will not become clogged with dirt. The oil bath air cleaner needs less attention. The oil must be kept up to the proper level by adding oil. The oil should be changed as recommended by the manufacturer considering the operation conditions as to dust. Care must be taken to use the grade of oil recommended. Too heavy oil does not function in the air cleaner as well as the correct grade. All connections between the air cleaner and the carburetor should be watched to be sure that the leakage does not take place.

The oil filter and filters in the breather should be serviced regularly as recommended. It is particularly important that the oil filters be clean and free to function. All types need careful attention. When the element becomes worn, it should be replaced. After cleaning the oil filter, wipe the filter housing so that dust and oil accumulations will not be formed.

Regular attention when filling the fuel tank, should be given to the steering assembly and rear wheel seals. The fan and other parts may need attention as outlined by the instruction book.

Every time the tractor is greased, the operator should generally inspect and tighten, clean or repair any disorders which have been noticed during operation, or which appear to need attention. Do not neglect the little things.

## Stock Tonics

Taylor and Anthony, two scientists of Michigan have carried out complete investigations concerning stock condimental tonics. They found them unnecessary in the efficient feeding of dairy cattle. The ration used was legume hay, corn silage, and a mixture of corn, barley, oats, linseed meal and cottonseed meal. The tonic investigated was one widely used and which, according to the manufacturer's directions caused some cows to go off feed and produced bloating in several cases.

## Record Board Meeting.

The annual meeting of the Canadian National Live Stock Records was held in Toronto during the latter part of March. The Record Office acts as a central registration office for all purebred livestock associations except The Holstein Friesian Association of Canada which runs its own records. Each of the 28 active affiliated associations appoint their own delegates to the Record Board, which is the equivalent of a Board of Directors of a Purebred Livestock Association. The number of delegates to appoint being on a pro rata basis insofar as their memberships, registrations and transfers are concerned. In turn, the Record Board appoints the Record Committee, which is the equivalent of an Executive Committee.

In addition to the active affiliated associations there are six other associations which are more or less dormant—Canadian French Coach Horse Association; Canadian Galloway Association; Canadian National Poultry Record Association; Canadian Shire Horse Association; Canadian Suffolk Horse Society and, also, the General Stud and Herd Book, all of which are administered by the Record Committee.

## Big Business

During the year 1953, the Record Office collected a total of \$592,822.00 as against \$513,475.81 in 1952 in memberships, registration and transfer fees on behalf of its members associations.

The memberships of the affiliated associations totalled 25,668 as at December 31, 1953.—The Hereford Association was in the lead with 5,726 members. The next highest in the cattle section were the Shorthorn Association with 4,159 members; the Ayrshire Association with 2,349 members and the Jersey

Association with 1,734 members. The Swine Association had 1,577 members and the Sheep Association 1,159.

## New Committee.

The Record Committee for 1954 is comprised as follows: Chairman—George Rodanz, (Hereford Breeder), Stouffville, Ont. Immediate Past Chairman—Lt. Col. Maurice Halle, (Canadian Cattle Breeder), Swetsburg, Quebec. Vice-Chairman—Dr. T. A. Robinson, (Shorthorn Breeder), Toronto, Ont. Secretary-Treasurer—Frank G. Hodgkin, Ottawa, Ont. Other members: T. Keith Henderson, (Sheep Breeder), Guelph, Ont.; J. R. Kohler, (Aberdeen-Angus Breeder), Brampton, Ont.; W. D. Thomson, (Jersey Breeder), Brooklyn, Ont.

## The Royal Winter Fair

At the Royal York Hotel on the day after the Record Office Meeting the annual meeting of the Royal Agricultural Winter Fair Association was held.

It is interesting to note that at the 1953 Royal there were 3,627 exhibitors with a total of 17,886 entries.

The income of the Royal Agricultural Winter Fair Association in the year 1953 totalled \$458,745.46 of this total \$113,967.17 came from government and municipal grants. Excess of income over expenditure totalled \$16,164.64.

## Junior Club News

The April meeting of the Busy Bee Ayrshire Club of Head of Hillsboro and vicinity met at the home of Club member Roy Coffin on April 12. The Club Leader, six members and six visitors were present. The President, Joan Douglas, called the meeting to order which opened by repeating the Club pledge.

The members answered the roll call with an Easter verse. It was decided that the next meeting will be held at the home of Club member Arthur and Wayne Cameron, and is to take the form of a judging class followed by a business meeting. For the next meeting the Club members are to answer the roll call with the name of a breed and the name of the country from which it originated. Joyce Jardine was appointed to place a couple of posters on warble fly control in a public store. The Club lesson and tests were conducted by the Kings County Fieldman, Morris Deacon. Five of the Club members have calves. A delicious lunch was served by the hostess, Elsie Coffin.

The Baldwin's Road Poultry Club held its last meeting at St. Teresa with eleven members present. The President, Gerard Trainor, opened the meeting with the 4-H Club pledge. A discussion on the care of baby chicks was carried out. It was decided that the next meeting be held on April 9. An enjoyable program was presented.

The Greenfield Poultry Club held its regular meeting April 7, at the school, with most of the members present. It was decided to pay membership fee at next meeting. The next meeting to be held April 22 at the school at 3 p.m. Lesson plan for April was studied after which a period of recreation was enjoyed.

# Ottawa Report

By Patrick Nicholson

The welcome mat is being spread out at luxurious Trent Park, near London, England, for any young Canadians who are interested in the work and promise of the North Atlantic Treaty Organization, and who are planning to visit Europe this summer.

NATO's first big week-long convention will be held at Trent Park from 17-24 July. Its purpose is to study "NATO in action." As the younger generation have their lives and prosperity to gain through the Brave New World promised by the Canadian Clause of NATO, it is appropriate that the convention is open only to young people, between 18-30 years, of both sexes, from any of the 14 member-nations of the alliance.

Lectures will be given by experts on every subject of interest to the NATO allies, and they will be followed by discussion periods for the exchange of views on these subjects. Judging by the wide range of these talks, every delegate will come away an expert on Current Affairs in the western world. The subjects include Why NATO?; How NATO works, with descriptions of its Council, Secretariat, Military Commands and rearmament program; NATO and the European Defence Community; Possible expansion of the North Atlantic Treaty Alliance; Neutrality in the conflict between the Free World and the Communist Bloc; and the attitude of each member country towards the alliance.

## Discuss Canadian Clause

The convention will also split up into round tables to study specialized proposals for the future of NATO. One such will explore the possibilities of implementing the Canadian Clause, which was recently urged upon the attention of the Western World by Prime Minister St. Laurent in his speech to the West German Cabinet during his world tour. Other round tables will discuss Conscience and Peace education. Others will examine the possibility of arranging exchange visits between member countries, and especially the establishment of scholarships to help students to attend schools and colleges in member countries.

Others will review the educational work which newspapers, the cinema and lecturers could undertake to make each of us better informed about our partners and their way of life. Of course a Young People's Convention has its lighter side, so swimming competitions, tennis tournaments and other outdoor events will be arranged in the luxurious grounds of Trent Park. In the evenings films will be shown about all the 14 countries who are members of NATO. And in case any of the delegates have artistic or literary talent, there will be exhibitions of art and compositions to which they will be invited to contribute.

## Famous Men Present

Prominent politicians and other public figures from NATO countries will give the talks and take part in the discussions. These include France's Robert Schuman; Sir David Kelly, recently the Brit-

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ARE YOU LISTLESS and in need of a Spring tonic? You'll get a sure cure at the Y's Men's Show next week.

A SPECIAL general meeting of the Association of Nurses of Prince Edward Island will be held on Thursday, April 29th, at 8:00 p. m. Red Cross House.

ish Ambassador in Moscow; Lord Pakenham; Mr. John Tiney, prominent British M.P.; Commander Stephen King-Hall, editor of the world's most distinguished weekly News Letter; and many others.

The beautiful mansion of Trent Park is at Cockfosters, just half an hour from the heart of London by subway. The inclusive "cost to delegates attending will be Six Pounds Sterling—about \$17—for the week; probably the cheapest week in the Big League of living, lodging and learning which any visitor to Europe will find this year.

M.P.s. of all parties are increasingly aware that the western world's best hope for security against aggression and prosperity in peace lies in the broad international co-operation humbly but wisely proposed by Canada in the Canadian Clause of the North Atlantic Treaty. Led by our Prime Minister, Ottawa appears to be taking the leadership of the Free World towards this objective which has for so long been advocated wholeheartedly by our External Affairs Minister, the Hon. Lester Pearson.

That is why supporters of the NATO road to peace here are so pleased by this opportunity for young Canadians to learn through this international convention something about what Mr. Pearson call the vision of an economic and political commonwealth of the Western World. Canada, as Father of the Canadian Clause which will be one of the leading topics of the Convention, deserves to have young people of varied occupations from various provinces applying to attend as delegates.

The Guardian Page 3 Wednesday, April 21, 1954

# "Punch" Settles Score With "New Yorker"

LONDON. (CP) — Punch, well-known British humor magazine, has settled a 20-year-old score with its United States counterpart, The New Yorker.

In January, 1934, the New Yorker published a 10-page parody of Punch, entitled "Punch." The take-off mildly ribbed the special British brand of humor. It contained even a parodied advertisement:

"Buy British tires — British tires are always ripping."

Now Punch, recently streamlined by its new editor, Malcolm Muggeridge, has just published an eight-page, slick-paper parody of The New Yorker, right down to a cover bearing the familiar top-hatted figure peering through a monocle at an airborne Mr. Punch.

Among other things there is a "profile" with the usual wealth of detail, a spoon of S. J. Perelman and Edmund Wilson and cartoons in the style of Charles Addams and James Thurber.

A spokesman for Punch, commenting on the edition, said: "It's just a semi-private joke between two civilized magazines."

# The case against marital infidelity

It's far more common than most of us like to believe, says Dr. A. Stone, eminent marriage consultant. . . but it seldom brings lasting emotional satisfaction to either husband or wife.

In May Reader's Digest, Dr. Stone, a pioneer in the field of marriage education tells why unfaithfulness shatters personality; and what he's found is the major cause of adultery.

Be sure to read this enlightening article in May Reader's Digest. It's just one of 31 articles of lasting interest, condensed from leading magazines; plus 3 condensations of current books.

# Soil Conservation And Related Problems

Excerpts from a Report by the Prince Edward Island Branch of the Agricultural Institute of Canada.

## HUMUS AND LIME

Humus may be defined roughly as vegetable matter in an advanced stage of decay. If well drained soils are to be highly productive they must contain about 4 per cent of this active organic matter. It supports the microorganisms which are so important in releasing the plant food materials in the soil. In addition, it makes the soil more retentive of moisture in dry weather, prevents it from becoming crusty after rain, helps to give it the crumbly texture referred to as good tilth and renders its surface more resistant to sheet erosion.

The analysis of 400 samples of soil taken from many parts of the Province shows that 80 per cent of Island soils under cultivation are low in humus, and that some are very low.

To maintain this humus content at the desired level, not only regular applications of organic matter are required, but good cultural practices as well. Summer tillage of soil hastens the decay and disappearance of organic matter. Therefore, cultivated crops should be alternated with grass, which not only conserves humus but adds to it by producing a large amount of organic matter in the form of fine roots.

Among the many forms of organic matter which may be applied to the soil, the most important are: manure, composts, grass mulches, cover crops and organic deposits such as peat and muck.

## Manure Most Valuable

Of the foregoing, manure is the most valuable. It supplies large quantities of plant food in addition to concentrated organic matter. The annual production of manure from the present livestock population of Prince Edward Island, exclusive of bedding, is estimated at about one and a half million tons. The crop nutrients it contains would be equivalent to 27,000 tons of muriate of potash. The value of these plant nutrients at present prices would amount to

four and a half million dollars which is twice the amount spent for commercial fertilizer each year.

It is unfortunate, however, that, owing to loss from various causes, only a small part of the crop-producing and soil-conserving value of manure is realized. Some of these losses cannot be avoided but many are preventable. One source of enormous loss is the failure to save the liquid excreta which, on the average, contains about 40 per cent of the nitrogen and 60 per cent of the potash. This loss can be prevented to a large extent by having the stable floor and gutter tight enough to prevent seepage, and by using a good bedding of straw, shavings, sawdust, peat or other absorbent material. There are many other losses which the observant farmer may note and prevent, but space will not permit of their being discussed here. However, with the general low fertility of our Island soils in mind, great emphasis should be laid on the necessity of caring for manure from the time it is voided until it is incorporated with the soil.

## Composts

Frequently it is not possible to use all the straw and other crop residues as roughage and bedding for livestock. Consequently, they are often wasted or, worse still, burned. By composting these materials, however, they will produce valuable organic matter for the soil. Straw, spoiled hay, etc. when composted with fertilizer or manure, if available, supply organic matter closely approaching soil humus. The addition of the fertilizer provides for the needs of the micro-organisms which cause decomposition.

A trash mulch consisting of straw, waste hay, etc. is sometimes used as a sheet compost. It is particularly good on exposed soils that are subject to surface runoff and sheet erosion. It may be spread over the land in fall and disced in. Fertilizer, especially nitrogen, should be applied in spring as a supply for the growing crops.

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