

Business Directory

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Hard Maple Not Thriving in Haliburton

Staff scientists of the Research Division, Ontario Department of Lands and Forests are endeavouring to find out why the Province's famous Canadian Hard Maple trees are producing inferior wood in certain areas in Haliburton County and Algonquin Park and also what can be done to improve the situation.

Mr. R. N. Johnston, Chief Division of Research, said that soil and tree site experiments have been set up for the project in the University Forest surrounding the Ranger School at Dorset, in Haliburton County and that this will be the base of operations for the research workers.

For some years, foresters and lumbermen have observed that much of the hard or sugar maple grows unsound and stained on sites where it reaches merchantable size in the Haliburton and Algonquin sections. In line with the Department's policy of putting land to its best use in the production of the most suitable timber crops the question has been posed that perhaps some of the areas in Ontario which support the growth of hard maple are not the best suited to this species of tree. Consideration might have to be given to replacing unsatisfactory stands of maple with trees that will flourish on the sites where the maple has not.

Several theories have been advanced as to why the hard maple has failed to thrive in certain areas. One is that shade from the old or parent stand is too dense, making it difficult for the young growth to utilize properly the nutrients in the soil which are, in some cases already in low supply. Another opinion is that it is due to lack of lime in the soil of the area whereas lime is present in the soils of many of the good maple stands to the south.

Although when quickly stated, the problem might seem relatively simple scientists on the job report that it will be an extremely complex and lengthy task to complete. One of the natural difficulties facing them is the long number of years it takes for a tree to reach maturity.

To carry out the experiment, sample plots have been established in the University Forest where continuous studies relating primarily to the processes in soil development will be carried out.

During the current year it is planned to remove the old stand of trees completely from half the blocks and partially from the rest. Undergrowth will be weeded out and a start will be made on raising young stands of maple trees. Some of the plots will be limed and some not. Thereafter, at five year intervals, or less, the maples will be examined for rot occurrence, changes in soil development and other features.

JACK PENNOCK FINDS FISHING GOOD NEAR MINDEN
 Contrary to the experience of most sportsmen, Jack Pennock, Aurora barber, found fishing to be a paying proposition on a recent trip to Haliburton.

Trolling 18 miles northeast of Minden, he thought he had a good sized fish on his line, but was surprised at the absence of any fish. Bringing his catch to the surface, he discovered it to be a wallet containing \$33.35.

Finders keepers turned out to be the case, as the wallet contained no identification of any kind. The wet bills were turned in to a bank for new ones after being dried out.

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Canadian Mosquitoes Not Resistant to DDT

Mosquito-bitten Canadians have at least a word of encouragement from a scientist — mosquitoes in this country haven't built up resistance to DDT.

Dr. C. R. Twinn, of the Department of Agriculture's Household and Medical Entomology Unit, Division of Entomology, says Canadian mosquitoes, unlike some of their counterparts in the U.S.A. haven't built up resistance to our widely-used insecticides because of their limited number of generations.

Houseflies, on the other hand, are becoming slightly toughened to our insecticides.

In general, resistance to an insecticide is built up by an insect during many generations. That's why our mosquitoes, which have only about one generation a year aren't building up resistance rapidly like some of their southern cousins. Furthermore, our mosquitoes don't breed in concentrated areas so they aren't exposed to DDT in such great numbers as are, for example, those in parts of Florida. This means that fewer of them in this country are toughened survivors of DDT treatment.

Cultures of houseflies, Dr. Twinn reports, were obtained from various parts of Ontario and Quebec in 1949-50 and reared through many generations. They revealed resistance to DDT of about 30 times that of the stand-

Grade, Gravel County Roads This Summer

No paving will be constructed in Ontario county this year, but there is a lot of other work to be done, and a good start has been made on it.

Some unpaved roads were in bad shape after the spring thaw, causing the engineering department many headaches. The story was general in other counties.

According to County Road Engineer Nixon, there will be 50,000 cubic feet of gravel placed on county roads this year, and fourteen and a half miles of grading will be done. This work is now under way, with about five miles completed.

If steel is available, the big job this year is the \$60,000 bridge over Duffin's creek at Pickering to replace a structure which has long been in use and can no longer take care of traffic over it with safety.

ard laboratory culture.

That is "low to moderate" compared to that reported from various parts of the United States, especially in the warmer areas. Resistance of the pests in Canada, however, is expected to widen with the continued use of DDT.

Where DDT is not giving satisfactory control, Dr. Twinn continues, a spray containing 5 per cent lindane may be used. Applications have to be repeated at three-week intervals during the fly season. Sprays containing two per cent chlordane also may be used in places where there is no danger of contaminating food. If

COMES TOO LATE
 From the Stratford Beacon-Harold
 Depressing definition: Discretion is that which comes to us after we are too old for it to do us much good."

used in human habitations, these sprays should be applied only to the favourite resting places of the flies.

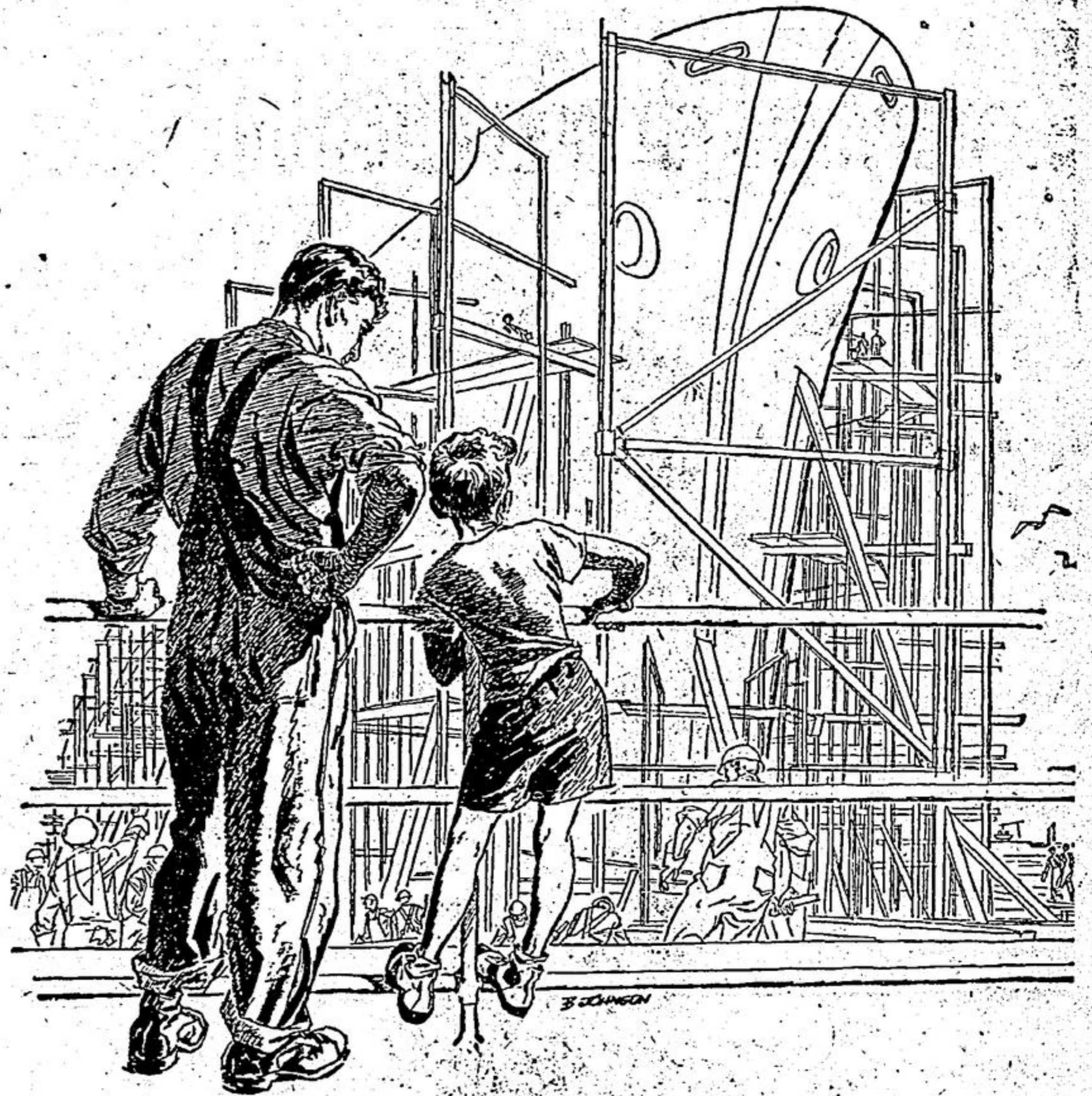
It is advisable to use DDT, lindane and chlordane separately, not mixed together, for mixing speeds up the development of resistant strains.

Special attention should be given to the task of eliminating breeding places of flies to remove the source of infestations.

For mosquito control, D.D.T. continues to be the most satisfactory insecticide.

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