

Spring Cattle Sales Beginning Soon

The Annual Spring Feeder Cattle Sale will be held on Thursday, May 14, at 12 o'clock noon, at the South River Stockyards. Members of the Parry Sound District Livestock Cooperative, developed this sale to enlarge their marketing service. Past sales have averaged about 500 head. In former years, says Mr. Sid MacDonald, Secretary of the Cooperative, the sale has provided a variety of purchases to suit the needs of a large number of people.

The percentages of the types and ages of the cattle on sale will soon be available, said Mr. MacDonald. He added that the biggest run is generally on yearlings. This year the offering will be about 50

percent yearling steers. There should also be an attractive number of calves. Breeders have been using A.I. beef bulls over the last few years and for two years a large number of Qualified Performance Tested Bulls

have been purchased through the Ontario Beef Bull Sale and similar sales. Much of the stock being offered at the South River Stockyards will thus have come from performance tested bulls.

To encourage the production of quality feeders, a Feeder Competition is being held, to run concurrently with the Sale. Farmers may consign a pen of six feeder steers or heifers, which will be scored and sold as a package.

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The Weeklies Say

THEFT ON INCREASE

Canadians steal more than \$1,000,000 every day in their employments in both cash and merchandise... honesty has existed in human life from time memorial. Perhaps like every other unpleasant feature of the modern world, it may be on the increase. - The Amboldt (Sask.) Journal

WALKINGEST MAN

Alberta's Lieutenant Governor, J. W. Grant Ewan, must be the country's walkingest man. It would probably be no exaggeration to say that he has walked the miles, and has earned more dollars for worthwhile things in the process, than anyone else. - The Rimbey (Sask.) Record

WORST OFFENDER

The worst offender (in Arctic pollution) could turn out to be the federal government, whichever one is responsible for DEW line operations. Thousands of oil tanks have been left to rust and leak along the Arctic coast. - The Whitehorse (Y.T.) Star

BREATH LAW

The concern here should not be so much for the one who breathes, but for the precedent it sets. For this reason alone it is equally important that every aspect of the breath test law be fully tested in the courts, both in terms of technicalities and of basic individual rights. - The Swift Current (Sask.) Journal

BAD TIMING

The federal government's announcement... to buy four Boeing 707s at a cost of \$55,900,000 at this time is most beyond belief... Prime Minister Trudeau is telling Canadian businessmen that this is not the time to spend; Canadians should be saving and spending later. - The Amboldt (Sask.) Current

POLICE PRESENT

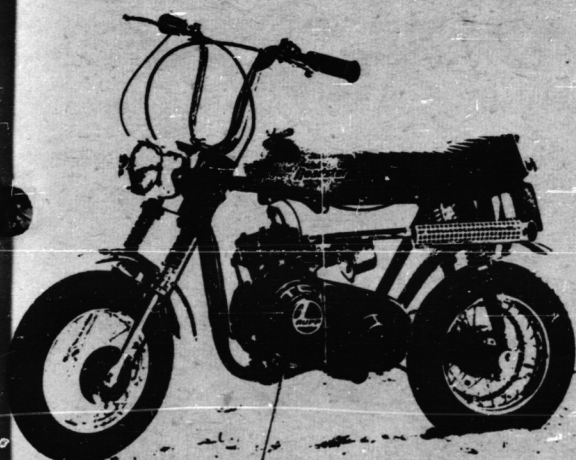
We understand the SAHA (Saskatchewan Amateur Hockey Association) recommends police be present at every hockey game. Though this should not be necessary, we suggest that the recommendation be taken up at once, and action be taken against any fan or player who goes beyond that point which can be defined as laughable. - The Hudson Bay (Sask.) Post-Review

WORTH MAINTAINING

The recent move by a B.C. court to rule the generally-ordered compulsory breathalyzer test null and void shows at least someone still thinks democracy is worth maintaining... Canadians are becoming far too athletic and are allowing their rights to become eroded for the sake of expediency... If Canadians are not to be protected by their courts, then the very essence of our way of life is in for an abrupt and degrading change. - Pinesdel (B.C.) Cariboo Observer

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How Parasites Recognize Host Insects

BELLEVILLE, Scientists at the Canada Agriculture Research Institute here have discovered one of the ways in which some insect parasites recognize their insect species as suitable hosts.

Dr. Alfred Arthur and Dr. Babu Hegdekar have isolated a chemical from the blood of cictim insects. This chemical induces the parasite insect to lay its eggs in the body of the victim.

This discovery is a first in the world of biology and could be of great practical value in biological control programs involving the mass rearing and release of parasite species. History has shown that new facts, such as this one, can often be turned into undreamed-of practical applications.

Females of many parasitic insects lay their eggs on suitable hosts, including agricultural pests such as European corn borers, cabbage loopers and tent caterpillars.

When the parasite eggs hatch, the larvae develop and grow on their hosts, eventually killing them.

The two Canada Agriculture scientists were studying the egg-laying behavior of some of these parasitic insects when they made their discovery.

"We were searching for factors which would be of use in the natural control of insect pests", says Dr. Arthur.

"In other words, we were on the prowl for knowledge man could use to give these parasitic insects a helping hand which, in turn, would mean that these parasites would plague some of the insects that have become a pest problem to agriculture", says Dr. Hegdekar.

The females of these

parasitic insects lay their eggs inside the host species by piercing through their "skin" with a long ovipositor.

Scientists have suggested that parasite species find the right type of host by discriminating on the basis of sight, smell and size.

However, it was never known exactly how a parasite, once in had found the right type of host insect, knew enough to lay its eggs.

The chemical Dr. Arthur and Dr. Hegdekar isolated appears to be the answer in the case of the Itopectis conquisitor, a wasp-parasite that attacks some devastating Canadian pests, including European corn borers, cabbage loopers, tent caterpillars, spruce budworms and pine shoot moths.

The scientists isolated the chemical from one of the host species, the greater wax moth (Galleria mellonella), and placed it in solution in parafilm tubes.

"Our first experiments showed that they would lay eggs in tubes containing the blood of the wax moth pupae, but not in tubes containing other liquids", says Dr. Arthur.

This led to a detailed study of various components of the blood, and an oviposition-inducing chemical was finally isolated using column chromatography techniques.

"Our initial studies indicated that it was glycopeptide", says Dr. Hegdekar.

Further studies have indicated that this oviposition-inducing factor is widely distributed and can induce oviposition by a related parasitic species.

The study of the occurrence of such factors in host species should be of great value in evaluating the effectiveness of a parasite against a potential host, the scientists say.

The chemical would be of great practical importance if, in mass-propagation programs, parasites could be induced to oviposit on, or in, synthetic diets containing it.

Receive Medals

Michaela, Kelly and Owen Douglas, Montague, children of Mr. and Mrs. Michael Montague entered the Tap Dancing Competition of Kiwanis Music Festival at Niagara Falls and also Kiwanis Music Festival of Hamilton held at McMaster University. They were recipients of a Gold, Silver, and Bronze Medal.

The 16-year-old conceived the dugout to collect the spring runoff and catch rain, so he dug one of his mother's homestead in the Palliser area near here. Ted and his brother dug the hole with a discarded scraper and it still is collecting the runoff and rains after 87 years. Neighbors, who in the fall hadn't thought much of the boy's idea, began to have second thoughts when in the spring of 1884 they saw the dugout full of water - enough for domestic purposes as well as for the stock.

Farm Dugout

MOOSE JAW, Sask. (CP) - Henry Checker and his two nephews were returning from Regina to their homestead when they noticed that ditches along the railway lines were filled with water.

One of the nephews, Ted Heath, thought that if the soil would hold water, he could dig ditches on the farm to catch his needs.

Today more than 35,000 dot the prairies.

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