

Range Experimental Station At Kamloops

In order to promote the welfare of the range live stock industry of Canada the Dominion Department of Agriculture has established a Range Experimental Station at Kamloops. The establishment of this station is intended to bring about the introduction and development of economic practices in the management of ranges and of live stock grazing on them.

Investigations into the conditions of the ranges in British Columbia and of the live stock on them and their management have been conducted during the last five years under the management of Dr. E. S. Archibald, Director of the Dominion Experimental Farms. This work was personally supervised in the field by L. B. Thomson, who was officer in charge of the Dominion Experiment Station at Mannyberries, Alberta, and now superintendent of Swift Current Experimental Station, and has resulted in the establishment of the Kamloops station.

The Tranquille River watershed embraces all range types peculiar to the ranges of the interior of British Columbia, including areas of overgrazed spring and fall range that are representative of the overgrazed low ranges of the interior. This watershed, consequently, presents opportunities to initiate, develop and study methods of grazing ranges that are timbered in varying degrees of density yet produce an abundance of forage. It will also be possible to study methods of utilizing the forage crops of overgrazed bench-grass lands and at the same time restore them to something like their original carrying capacity. Besides, there is available on this area an ideal herd of range stock, owned by the Provincial Government, which can be used to demonstrate the practices introduced by the station.

The work at the Tranquille Range Station is under the supervision of T. P. MacKenzie, who has had previous experience in the Forest Service of the Western States, and E. W. Tisdale, formerly assistant agronomist at the Mannyberries Range Experiment Station.

An arrangement has been entered into between the Dominion Experimental Farms Branch and the Government of British Columbia covering, in a broad way, the points essential to the successful development of the station and of its services to the owners of range live stock.

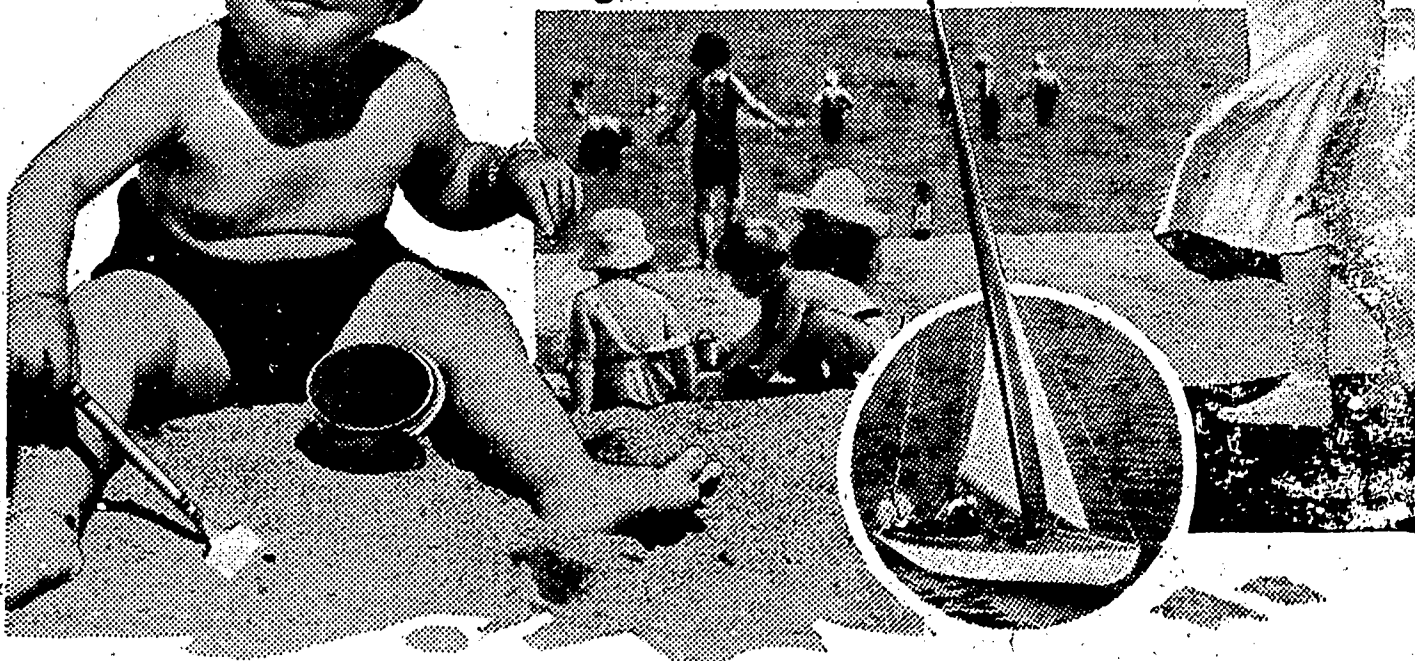
The principal activities of the new station include: The handling of cattle in accordance with the seasonal requirements of the range in order to obtain more efficient use of the spring and fall ranges with proper conservation methods; to promote further and better use of summer ranges and to extend the use of all ranges to reduce winter feed costs; the study of definite salting plans in promoting further range use; the development of watering places, and investigation of activities of cattle on the range. These activities also include a study of the response of cattle to the range with regard to seasonal gains, comparative gains of all ages, and the comparison of summer with winter gains; a study of the improvement of the calf crop by proper distribution of bulls, by proper management, and by the establishment of breeding ranges; and a study of the effect of breeding yearling heifers on the growth and weight of the calf crop.

Investigations into the character and value of the range forage will be undertaken. A careful analysis of all the principal forage plants is now under way. Special attention is being given to the study of plants suspected of containing poisonous properties injurious to live stock.

It is intended that later on the work will include studies of the value to range sheepmen.

This new Range Experimental Station will render a much needed service in securing definite data concerning the British Columbia's ranges and in solving many problems with which the live stock industry has had to contend for years.

ST ANDREW'S by the Sea



Above layout shows a good cross-section of what is being done these fine summer days at the Algonquin Hotel, St. Andrews-by-the-Sea, New Brunswick. Right, Lady Moyra Ponsonby, daughter of Their Excellencies the Governor-General and Lady Bessborough, at the conclusion of a drive from a tee at the well-known 18-hole championship golf course of the hotel. Centre shows that part of Katy's Cove dedicated to swimming,

with youngsters and grown-ups alike in the sparkling waters or about to enter them. Inset illustrates another sport—sailing—with Miss Margot Redmond, daughter of Mr. R. M. and the Honorable Mrs. R. M. Redmond, of Montreal, sailing with her father and Captain Wren, off St. Andrews. Left is Miss Eugenie Auerbach, small daughter of Mr. and Mrs. J. A. Auerbach, of New York, all set with spade and bucket on the sands of Katy's Cove.

The Algonquin Hotel represents just about the acme of summer days enjoyment and is a paradise for kiddies and grown-ups, too. Sea bathing in the warm waters of Katy's Cove and sun bathing on the shining sands are two of the most healthful and entertaining occupations of those who visit this popular and smart resort to which Their Excellencies the Governor-General and Lady Bessborough have given their patronage of late seasons.

FARM JOTTINGS

OUR EDIBLE MUSHROOMS

Many different kinds of edible mushrooms are found in Canada, together with a great number of worthless ones, and a few deadly poisonous toadstools. It is impossible for the average person to learn to know them all, but it is possible to learn to recognize the best edible species and the harmful and deadly poisonous kinds. It is no more difficult than learning the different kinds of flowers in a garden, although it is much more difficult to get the information. The best source of information in Canada is the recently published book from the Division of Botany, on 'Mushrooms and Toadstools,' which may be obtained from the King's Printer, Ottawa. Another is to get someone who is a student of mushrooms to point out the different kinds, or, information can be obtained from the Dominion Laboratories of Plant Pathology in the different provinces.

The different kinds of edible mushrooms are so numerous that it is not possible to mention more than a few favorites. The best known are the field mushroom and its cousin, the horse mushroom, both of which are "pink" underneath and grow in open fields. If these are the only mushrooms known by a person, they should not be collected from the edge of woods or near trees. The fairy ring mushroom is found on lawns during the summer and the shaggy mane on lawns in the fall. The smooth lepiota grows in cultivated fields and orchards, looks like a mushroom on top but is white underneath, and resembles the death angel. In the spruce and fir woods the yellow chanterelle and the edible boletus are found throughout the summer. Each kind has to be known and distinguished from some worthless or harmful species that resembles it in some respects.

In gathering mushrooms to eat, the great danger is in picking a deadly toadstool. They are all too common and very few people know them well. The commonest deadly species is the fly agaric which is so named because it can be used as a fly poison. The most dangerous kind is the death angel, so named because of its stately appearance and pure white color. No person should ever gather edible mushrooms in the woods without know-

ing this species for there is no known antidote for its slow acting poison.

A useful export outlet for Canadian dressed poultry has been opened up in the British West Indies, 100 boxes having gone forward during the first week of August.

Canadian consignments of both barley and oats to the United Kingdom during the first six months of 1935 were each more than double those of the corresponding period of 1934.

Canada, the United Kingdom, France, Germany and Austria are leading world importers of fruit. Canada does not require to import apples, but the average annual imports of other fruit into Canada from 1928-32 included 74,000 tons of bananas; 73,000 tons of oranges; 20,000 tons of dried grapes; 12,000 tons of lemons; 11,000 tons of grapes and 8,000 tons of pears.

From January to June, 1935, Canada exported 6,103,449 pounds of leaf tobacco, 5,792,961 pounds of which went to the United Kingdom; 238,400 pounds to British West Africa; 52,895 pounds to British West Indies; 11,680 pounds to Belgium, and 7,513 pounds to other foreign countries.

The bulk of the international trade in canned fruits is in the hands of three countries, the United States, British Malaya and Australia, but increasing quantities are being exported from Canada and South Africa.

Butter, cream, eggs, flour, fruits, milk, cooking oils of corn, peanut, and soya beans are a few of the agricultural products used by the biscuit and confectionery, cocoa and chocolate industries of Canada which employed 10,304 persons in 1934. Since 1924, the statistics relating to the Canadian chewing gum industry were incorporated with the biscuit and confectionery industry.

Professor Daniel of Paris says he has succeeded in grafting cabbage and garlic plants, but doesn't say why.—*Floriculture Herald.*

A little boy of 6 years came home and announced that his class had learned a new song. "What is it?" asked his mother. "It was a carol," he said, "called 'Wild Shepherds' Washed Their Flocks by Night.'"

SAYS RELIEF EXPERTS BOUND BY "RED TAPE"

OTTAWA—There has been considerable discussion about the Liberal platform plank of a National Commission to solve the unemployment and relief problem. The first is of such wide ramifications, including as it does a satisfactory solution of most of our economic ills that it has not called for the same discussion as the relief question. The latter question has always been of paramount importance to a group in Ottawa who have become experts on the subject in the last five years.

They may be said to have become "relief technicians." And this thru necessity, because five years ago none knew anything about relief except social workers in private charities. When the governments, federal, provincial and municipal, became actively engaged in this vast social experiment it was logical that the old private charity methods would become rapidly out-of-date. The consensus in the capital is that a National Relief Commission would not work. This is, it is said, because what is needed are experts with experience, not representative citizens who have never tackled the problem of destitution at first hand.

An Intelligent Solution

The most intelligent solution for the relief problem which has been presented comes from a government official, who for obvious reasons does not want to take public credit for his plan. In this connection let it be noted that some of the finest minds in the Civil Service are shy in regard to publicity. "Your name in the newspapers is all right for the Ministers but not for the civil servants going the work of a department or branch," they always say.

The meat of this relief plan is that there should be first established an employment agency wherever a relief office is to be set up. There are today federal and provincial employment offices, but there is not more than two score of both throughout the Dominion while the relief offices run into the thousands, in fact, there is one in every village, town and city.

No wonder the connection between registering for employment and being signed as eligible for relief become severed and the latter got out of hand," my informant said. "This was bound to occur when for every employment office thousands of relief offices were opened. And the municipalities, doing their own administering, had no conception of holding their expenditures within bounds blinded by the two-thirds being paid by federal and provincial governments.

Scouts Too Much Already

"I am not one," this official continued, "who believes that the unemployed have received too much. What has been expended has not been distributed properly. Administration has been efficient. Look at the items charged to relief that should never be there at all, i.e., the public works, the wheat operations and the loans to the railways. We don't need a National Commission to solve the relief problem. What we do need is the centralization of administration in the hands of those experts who know from experience what it is all about, unfetter those competent hands from red tape, and divorce from the relief problem all the extraneous problems that have been saddled on it."

The estimated short apple crop in the United Kingdom for 1935 should stimulate a larger demand for Canadian apples which have the further advantage under Canadian export regulations of carrying with them a certificate of freedom from disease.

Pacific Great Eastern Railway Co.

CHANGE OF TRAIN SCHEDULE Between Vancouver and Quesnel

Effective Sept. 2nd, 1935

NORTHBOUND			
Monday		Thursday	
Vancouver (Un. Pier) Lv.	9:00 a.m.	Lv.	9:00 a.m.
Pemberton	" 8:10 p.m.	"	8:10 p.m.
Bridge River	" 8:45 p.m.	"	8:45 p.m.
Lillooet	" 10:50 p.m.	"	10:50 p.m.
Clinton	" 2:35 a.m.	"	2:35 a.m.
Williams Lake	" 9:15 a.m.	"	9:15 a.m.
Quesnel	Ar. 1:00 p.m.	Ar.	1:00 p.m.
Tuesday			
Tuesday		Friday	
SOUTHBOUND			
Tuesday		Friday	
Quesnel	Lv. 5:00 p.m.	Lv.	6:00 p.m.
Williams Lake	" 9:10 p.m.	"	10:10 p.m.
Clinton	" 2:28 a.m.	"	3:28 a.m.
Lillooet	" 6:25 a.m.	"	7:25 a.m.
Bridge River	" 7:24 a.m.	"	8:24 a.m.
Pemberton	" 10:23 a.m.	"	11:23 a.m.
Vancouver (Un. Pier) Ar.	6:15 p.m.	Ar.	7:30 p.m.
Wednesday			
Wednesday		Saturday	

Stage connects with trains at Quesnel for passengers to and from Prince George and Barkerville, and at Bridge River and Shalath for the Bridge River mining area.

Time table and illustrated folder from Agents or City Ticket Office, 793 Granville Street, Vancouver, B.C.

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"—an intelligent brute noted for its strength and long life, both notable characteristics of the tires we sell—all fully guaranteed DUNLOP Cable Cord tires, in each price range. You can't beat them for value—or us for quick, efficient service."

MacNaughton, Elliott & McMahon, Ltd.

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These Are the Dates to Keep in Mind

- MOOSE (Bulls only), from Sept. 1st to Dec. 15th, 1935.
- MOUNTAIN GOATS, from Sept. 1st to Dec. 15th, 1935.
- DEER (Bucks only) from Sept. 15th to Dec. 15th, 1935.
- GROUSE, Blue-Franklin, from Sept. 15th to Dec. 31st, 1935.
- DUCKS and GEESE, from Sept. 15th to Dec. 31st, 1935.
- Winchester Gun Grease Prevents Rust, per tin \$.25
- Hopp's No. 9 Nitro Solvent, per bottle70
- ACE No. 1, 22 Cal., single, Rifle, each 5.75
- BAYARD 22 Cal. Rifle, each 6.00
- COOBY 22 Cal. Rifle, each 9.00
- IVER-JOHNSTON .410 single, Shotgun, each 14.50

Let us quote you on any make or calibre of rifle you are interested in.

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 Modern Mother—Oh, don't be old-fashioned, John.
 Father—It isn't that. She's too young to be playing with matches.

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Classified Ads

FOR RENT—Three room house, furnished. Closed-in porch. Apply J. Lazzarin.

LOST—Dark brown mare, white spot on forehead. Branded H on left hip. Last seen at Soda Creek about June 15, 1935. Finder communicate with P. E. Zschiederich, Kersley. Reward will be paid.

LOST—Between Alexandria and Quesnel, a gunny sack containing clothing. Finder please return to this office.

WANTED—Small electric light plant, with storage batteries preferred. Information to Cariboo Observer.

FOR SALE—Laundry and a living house on Wells Townsite. Apply Mrs. Marie Naedstrom, Wells, B.C.

FOR SALE—Seven lots in one block. Sell whole or separate. Choice location. Will be sold cheap. Apply at The Observer Office.

FOR SALE—Good Cheer heater, as good as new, price reasonable. Apply this office.

FOR SALE—1933 Chevrolet Special Coupe \$650. First-class condition. Apply at this office.

WORK, PACK AND SADDLE HORSES, also pack and riding saddles. Apply this office.

FOR SALE—Two new cabins and lots, Front Street North, Quesnel. Apply Observer Office.

Mrs. Ed. Hilborn, of Quesnel, graduate nurse and certified midwife, S.R.N. (Eng.), holding general and midwifery training certificates, begs to announce she is open for engagements.

MARK COSGROVE SPEAKS IN CONSERVATIVE CAUSE

(Continued from page 1)

in 1935. They could not do so before as every available penny was required to keep the ship of state on an even keel, but in 1935, when unemployment was decreasing, they were able to do so. The Farmers' Creditors Arrangement Act was another piece of important legislation claimed Mr. Cosgrove, but the Liberal answer was Pattallo's action to block something the people want. The Central Bank was warmly defended by the speaker, who explained the setup and capital structure of the organization. "The policy of the Conservative government," said he, is to "honor their obligations," also claiming that Mr. Bennett's policies regarding the Central Bank resulted in "sound money" and maintained the purchasing power of the Canadian dollar. "The legislation already passed by the Conservative government," said Mr. Cosgrove, "is evidence of the sincerity of their intentions," and what proof have the other parties shown of their sincerity?" he asked.

In discussing the unemployment situation, the speaker claimed that the peak of unemployment occurred in 1932, and that the figures had been gradually reduced since Mr. Bennett had implemented the Empire Trade Treaty.

Mr. Cosgrove then turned his attention to Social Credit in Alberta and criticized Mr. Abernath for leading the people to believe, prior to the elections, that they would receive a monthly bonus shortly after the new party assumed power, whilst it now appeared that there would be a delay of months or years, or perhaps they would never get it.

The C.C.F. was likened to the Labor party in England and the Australian government, who were unable to do anything after they did assume the reins of government.

The speaker likened them to the itinerant vendor of patent medicines, who claimed that his potion would cure everything, from corns to rheumatism.

In closing, the speaker urged his hearers to be careful. "Find out where you are going," he said. "We are going the right way now. The Conservative policy is gradually getting us through a terrible depression. Stop and think and do not change that policy lest all we have gained may be lost."

"Pay the cold light of reason on any new schemes that may be laid before you," he urged. "John A. Fraser believes sincerely in those policies" urged Mr. Cosgrove in exhorting the audience to give their support to the present member.

The speaker was warmly applauded at the conclusion of his address and there were no questions put to him. The meeting closed with the singing of the National Anthem.

The shows at the Rex Theatre next week will be as follows; fore part of week "It's a Gift," with Baby LeRoy. End of week Joan Crawford in "Sadie McKee."

The teaching staff all returned to Quesnel over the week end, and opened school Tuesday morning.

CHURCH NOTICES

CHURCH OF ST. JOHN THE DIVINE (Anglican)

SUNDAY SERVICES

Harvest Thanksgiving and Special Day of Prayer for the Peace of the World.

8 a.m.—Holy Communion.
10 a.m.—Re-opening of the Sunday School.

10:30 a.m.—Holy Communion at the School House, Kersley.
7:30 p.m.—Evensong and Sermon. Tuesday and Wednesday — The Clergy of the northern Archdiocese will meet at Williams Lake.

Sunday, Sep. 15—Harvest Thanksgiving Service at Canyon Ck. All donations brought to the church for the Harvest Thanksgiving services at St. John's Church on Sunday will be given to the Hospital after the festival.

There will be a meeting of the Church Council on Friday evening at 8:30, in the Vicarage.

ST. ANDREW'S CHURCH

11 a. m. Special Peace Service.
4 p.m. Canyon Creek School.
7:30 p.m. Woodpecker Hall.
Next Sunday, September 15
3:30 p.m. Bouchie Lake School.
7:30 p.m. Australian School.
W. Evan Fullerton, Minister.

REGULAR SERVICES AT ST. ANNE'S CATHOLIC CHURCH

The regular services will be on the third and fourth Sundays of each month, and services will be as follows:
Mass on Sunday at 9 a.m.; Benediction at 7:30 p.m.; Sunday School after Mass and at 2 p.m.

CHRISTIAN SCIENCE

A Christian Science service is held every Sunday morning at 11 o'clock at the home of Mrs. Grant Grinder, North Quesnel. All are cordially invited.

ALASKA HIGHWAY PROJECT SCORED BY ENGINEER

Ardent supporters of the proposed Alaska highway would do well to consult Mr. J. P. Forde, district engineer for the Dominion department of public works, and learn some of the reasons why the highway should not be built.

Mr. Forde, without notes or sketches, but with abundant knowledge gained through many years in the North, addressed members of the Lions Club on Tuesday, and not only debunked the proposal but termed it a "fantastic dream."

"I have never yet met a man who knows conditions as they exist and is still favorable to the highway project," he declared. "See the Pioneers" "They talk about opening up the country. Why, we have plenty of country opened up in British Columbia which has not yet been settled. As far as a tourist attraction is concerned, the scenery would not be worth the trip. Not only that, but gasoline at Telegraph Creek at present costs \$1 a gallon. Think what it would cost to transport gasoline along that big stretch of highway. Why, it would cost more than champagne before you reached the end of the road."

Mr. Forde left the cost of the trip for a brief moment to dwell upon the physical discomforts of the country.

"Why, you would be eaten alive by mosquitoes and 'no-see-ems,'" he said. "It would be a damnable trip and I don't care what type of car you took over the road you would have nothing more than a scrap heap when you got back."

The speaker declared that he could not see the project from any point of view. He urged those who are advancing the proposal to go into the north country and to talk with the pioneers of the land and obtain their views on the subject.

Herds of Caribou

The speaker paid tribute to the pioneers of the North, declaring that many of them lived there so long they are afraid of the outside.

"They are afraid of the competition, the automobile and the street cars," he said. "While they are in the North they won't go hungry."

He told of the great migration of the caribou herds and spoke of one occasion when a herd of the animals took sixty hours to cross the Yukon river. "It was estimated that there were 240,000 head in the herd," he remarked.

Col. W. W. Foster introduced the speaker.—Vancouver Province.

An engineering feat unique in North America is about to be undertaken by the P.G.E. Railway in the Clinton district. It has been found necessary to build a new section of track near the town, and it seemed that a trestle would have to be constructed. However, it has now been decided to drive a tunnel. Instead of using this for the track the stream will be diverted through it and the creek bed utilised as the grade. Thus a little ingenuity has done away with the need for a trestle and the recurring bill for repairs, whilst all dangers of collapse are eliminated.

Mr. and Mrs. Clint Geddes returned to Wells on Monday evening after spending their honeymoon at the coast.

Corporation of the Village of Quesnel

NOTICE

Tax Payers are reminded that under the provisions of the Village Municipalities Act, properties upon which Taxes are delinquent will be offered for sale as follows:

On the thirtieth day of September in each year, at the Clerk's Office in the Municipality, at the hour of ten o'clock A.M., the Collector shall offer for sale by Public Auction each parcel of land and the improvements thereon, the Taxes upon which they are delinquent.

COMMISSIONERS, VILLAGE OF QUESNEL,
A. S. Vaughan, Collector.

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If the motor of your car is overheating one of the causes may be that the fan belt is old and worn and is not operating as efficiently as it should.
 We have a complete stock of fan belts.

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