22-002 no. 10 1937 Aug. 24 c. 1

2 Historical File Copy

Published by Authority of the HON. W. D. EULER, M.P., Minister of Trade and Commerce

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS - CANADA AGRICULTURAL BRANCH

Dominion Statistician: Chief, Agricultural Branch: R. H. Coats, LL.D., F.R.S.C., F.S.S.(Hon.) T. W. Grindley, Ph.D.

THE

TELEGRAPHIC CROP REPORT

Ottawa, August 24, 1937, 4 p.m. - The Dominion Bureau of Statistics issues today the last of a series of 7 telegraphic reports covering crop conditions throughout Canada. Included in this report is the fourteenth of a series of 15 weekly telegraphic reports on crop conditions in the Prairie Provinces. Ninety agriculturists distributed over the farming areas provide the basic information for these reports. In many cases, the Provincial Statisticians report for their entire province.

SULLIARY

Harvesting of Canada's grain crops is now well advanced although rains during the past week have caused some interruptions. In the Maritime Provinces the harvest is early as a result of the prolonged dry spell but yields are below earlier expectations. In Quebec and Ontario heavy rainfall has done considerable damage to standing grain and stooked fields and dry weather is needed to facilitate completion of the harvest. Manitoba crops are nearly all cut and considerable threshing has been Mields are mostly good although grade will run lower than last year. Where crops in Saskatchewan were worth cutting, the work is almost completed and yields are running from less than seed to as high as 25 bushels in the better areas. Feed supplies are low throughout most of the province. Harvesting is progressing in southern Alberta but in other parts of the province dry weather is needed to hasten the ripening of crops. No frost damage has been reported as yet. Grasshoppers are plentiful on the prairies and many eggs are being laid for next year. Fruit crops are promising in all the producing provinces.

The dry conditions in the Maritime Provinces have been partially relieved by scattered showers recently. More rain would benefit late crops and pastures. Early sown grains are promising but late crops are only fair to poor. Late planted potatoes are below average but early fields are good. Apples will yield a large crop of good quality.

Rains have held up the harvest in Quebec and much of the grain crop is lodged. Yields of oats will be below last year. Pastures are good and the potato crop indicates a large outturn. Heavy rainfall in Ontario has delayed harvest and caused some losses from grain sprouting in the field. Yields are below the promise of some weeks ago. Pastures, roots and corn are all good and fruit crops are yielding well.

The Manitoba harvest is being pushed rapidly toward completion despite the rains last Thursday. Wheat yields are uniformly good in the Red River area for both durum and common wheats where the latter largely escaped rust damage. In the Brandon and Killarney districts, rust infection on the common varieties was much heavier and yields are running fair to low. Scattered Thatcher fields are an exception, having demonstrated that this variety of wheat is strongly rust resistant. Durum wheat in the same districts will also yield well. In the drought affected areas, only half a crop will be harvested. Grades so far are running lower than a year ago with the bulk of wheat deliveries going numbers two and three. Heavy yields of the coarse grains are in evidence except in the western parts. Pastures are green and corn and root crops are promising good yields. In the east-central and north-eastern part of Saskatchewan where the bulk of the wheat crop will be harvested, cutting is almost completed and threshing is making good headway. In the extreme northwest, the harvest is later, held up partly by last week's rains. Yields vary from less than seed to a few bushels in the Qu'Appelle River valley, improving as one goes northward from Yorkton up into the Melfort area where yields averaging fifteen bushels are expected. In the east-central area where some wheat is being harvested, little or no coarse grains will be threshed. In many cases green oats and barley will be cut along with the Russian thistle in the same fields for feed. There has been no change in the major drought area where last week's rains helped only the Russian thistle and a small amount of feed oats and barley sown after the rains in late July. Harvesting is making good progress in southern Alberta but in the central and northern districts, cool dull weather has delayed ripening of the crops. Weed growth is heavy and this adds to the difficulties of cutting and curing the crops. No frost damage has yet occurred but some concern is being expressed for the safety of late crops which are still green in all but the southern districts. Cattle on range are making good gains.

Cool wet weather has held up the harvest in British Columbia but late crops and pastures have been improved by the rains. Tree fruits are now moving to market freely.

Maritime Provinces

Scattered showers have relieved the dry conditions to some extent and while more rain would be welcome, there has been generally enough moisture to promote satisfactory growth this month. The harvest is early and on the whole, early scwn crops are good while late fields are only fair to poor. Potatoes are variable with light yields indicated for late crops. Some blight is in evidence. Roots and corn are fairly good but would benefit from more rain. Pastures have failed in Nova Scotia and there is little aftergrowth in hay fields. In New Brunswick, the pasture situation is somewhat better. Apples are showing promise of a large crop with quality good. Size and colour are satisfactory and pests fairly well controlled.

Quebec and Ontario

Heavy rains which have been fairly general over the province have further retarded the completion of haying and delayed the grain harvest. Some lodging has resulted from the high winds which accompanied the rain. While prospects are variable, oats will not be as good a crop as last year. Corn and roots are promising while potatoes give indications of a bumper yield. Pastures are green and milk production is holding up well. In Ontario, harvesting is well along but wet weather recently has caused some interruptions. Spring grains are not yielding as well as anticipated earlier in the season. Stocked grain in some fields is beginning to sprout. Corn is a good crop and pasture is plentiful. In northern Ontario where all crops are promising, harvesting is general and no serious frost losses have been reported.

Prairie Provinces

Cutting in Manitoba is now nearly finished and good progress has been made with threshing despite some interruptions by showers during the past week. On the whole, the yields are satisfactory although there is considerable variability both as to quantity and quality of the crop. Where rust has taken its toll, the outturn is only fair with grades low. Yields of coarse grains vary greatly, largely in proportion to the amount of rainfall during the growing season. Fodder corn, roots and potatoes are promising and gardens are good. Pastures are mostly good and stock thriving.

Wheat crops in the better sections of east central and northeastern Saskatchewan are now almost all cut and threshing is going ahead steadily. Yields vary considerably from less than seed up to 25 bushels but in the area north of Regina, the outturn is below the expectations of a week or two ago. In southern sections, practically no coarse grains will be cut except for feed. Prospects for feed from oats improved in the west and northwest areas but the hot dry weather recently has further reduced the feed supply. Very little wheat will be marketed in this section this season. Rainfall over the province has been light during the past week although in the extreme northwestern district, wet weather has delayed the harvest. Soil moisture conditions are generally poor and even if rainfall were abundant from now on, native pasture could not be restored this season. Grasshoppers are abundant and egglaying is in full swing.

A heavy general rain fell over the Peace River area over the week-end and light showers in some other sections were sufficient to interrupt harvesting operations. Crops have been ripening slowly because of the cool dull weather prevailing and hot dry days are needed to mature the crops and dry out the heavy weed growth. In the southern districts harvesting is well advanced. In central Alberta considerable done on light fields. North and east of Edmonton, wheat cutting is well started but coarse grains are still green and will need at least ten days of good weather to bring them to maturity. No frost damage of importance has yet occurred. Grashopper damage to good gains.

British Columbia

Cool weather with heavy showers during the past fortnight has retarded harvesting and threshing of grain crops while roots and pastures have benefited. Berry of flower and vegetable seed crops has begun and hop picking is starting this week.

LETEOROLOGICAL REPORT - PRAIRIE PROVINCES

The following precipitation in inches was reported by the Dominion Meteorological Service, Toronto, for the week ending August 23 at 8 a.m.

Manitoba		Saskatchewan		Alberta	
Pierson	1	Elbow	1	Edmonton	1
Ninette	1	Estevan	1	Naco	1
Russell	.1	Rosthern	1	Wetaskiwin	1
Emerson	.1	Prince Albert	1	Calgary	1
Brandon	.2	Lloydminster	1	Empress	.1
Morden	.2	Saskatoon	1	Manyberries	.1
Morris	.2	Biggar	1	Glendon	.1
Graysville	.3	Assiniboia	.1	Foremost	.1
Minnedosa	• 4	Kindersley	.1	Olds	.1
Cypress River	. 4	Rosetown	.1	Beaverlodge	. 2
Swan River	. 4	Val Marie	.1	Lethbridge	.2
Birtle	.4	Meadow Lake	.1	Medicine Hat	.2
Virden	. 5	Consul	.1	Brooks	.2
Pinawa	. 5	Aneroid	.1	Macleod	2
Fortage la Prairie .6		Chaplin	.1	High River	.2
Sprague	.6	Swift Current	. 2	Cardston	3
Winnipeg	1.0	Humboldt	. 2	Drumheller	.4
Le Pas	1.3	Yorkton	.2	Red Deer	.4
		Lintlaw	.2	Edson	.4
Sask. Cont.		Midale	.2	Vauxhall	.4
		Rabbit Lake	.2	Keg River	. 5
Naicam	.3	Strasbourg	.2	High Prairie	.5
Qu'Appelle	. 4	Broadview	. 3	Kinuso	.7
Indian Head	.4	Kamsack	. 3	Fairview	.9
Yellow Grass	. 4	Shaunavon	. 3	Jasper	1.0
Moose Jaw	.5	Carlyle	.3		
Melfort	.5				
Moosomin	.6	Minus signs denot	e less tha	in amount of rain ind	icated.

The following points reported no rain during the week: Battleford, Coronation, Stettler, Vegreville, Sedgewick, Viking, while traces of rain fell at Macklin, Outlook, Boissevain, Dauphin, Hughenden,

Departures from normal mean temperatures for the week were as follows:

Manitoba: Normal- districts 2, 3, 9; one degree above normal- districts 4, 5, 6, 12; two degrees above- districts 1, 8; three degrees above- districts 7, 10, 13; four degrees above- districts 11, 14.

Saskatchewan: Three degrees above normal-district 9; four degrees above-district 4; five degrees above-districts 2, 6; six degrees above-districts 1, 3, 5, 7, 8.

Alberta: One degree below normal- district 11; normal- districts 4, 8, 14, 16; one degree above- districts 6, 7, 9, 13, 15; two degrees above- districts 12, 17; three degrees above- districts 3, 10; four degrees above- districts 2, 5; five degrees above- district 1.

Dominion Entomological Laboratory, Brandon, Manitoba.

Grasshoppers have dropped heads of late crops up to ten bushels per acre in southwestern Manitoba. Egg laying in full swing.

Dominion Entomological Laboratory, Saskatoon, Saskatchewan.

Heavy migrations of grasshoppers in southern areas and their concentrations on late crops elsewhere have continued to reduce feed supplies. Armies of webworm in much of Prairie areas likewise destroying weed growth otherwise available for feed. Considerable loss of wheat from sawfly reported where any crop matures in Prairie section, especially where grown in strips without protective measures.

Dominion Entomological Laboratory, Lethbridge, Alberta.

Grasshopper damage to late grains continuing in southern Alberta. Wheat stem sawfly causing serious losses in Nobleford to Carmangay district and lighter damage in surrounding territory.

NOVA SCOTIA

Provincial Department of Agriculture, Halifax.

Scattered local showers have somewhat improved crops. More rain needed. Grain will yield not more than 65 per cent of last year. Roots may be fair if rain comes. Potatoes moderately good. Pastures poor with little after feed in hay fields. Apples promising in quantity and quality, prospect of 2,400,000 barrels possibly more.

Dominion Experimental Station, Kentville.

Moisture sufficient to promote favourable growing conditions during August. Harvesting early, weather good. Early seeded grains generally approximate normal yields, late seeded grain injured considerably by crown rust. Potatoes fair to good. Roots and corn good. Apples sizing well with normal growth being maintained.

Supervisor of Illustration Stations, Kentville.

Harvesting on grain commenced. Early sown grain good. Late seeded grain poor. Root crop fair to good. Early planted potatoes giving good yields, late planted small yields. Apples sizing well. More apple scab than first anticipated. Fruit putting on colour except Gravenstein.

NEW BRUNSWICK

Dominion Experimental Station, Fredericton

Hot weather makes good harvest weather also good growing conditions due timely rains. Grain ripening fast, short straw. Early sown plump kernels average yield, late sown bad leaf rust now. Yield corn, vegetables good, roots fair, apples large yield, only fair quality. Pastures average. Potatoes fair trace late blight.

Dominion Entomological Laboratory, Fredericton.

Army worm damage to grain on forty farms, not serious. Insect injury to other field crops of minor importance. Prospects for a good harvest.

QUEBEC

Provincial Statistician, Quebec.

Haying began under excellent conditions but has been held back by wet weather during August and some hay still remains to be cut. The extreme heat and the abundance of rain has hastened the maturity of cereals. Some fields of oats and barley have been cut but the work has been made difficult in some cases because of lodging in certain districts, notably in Rouville and Shefford. As a result of this the grain is light, the yield poor and the quality only fair. Garden crops are in good condition and potatoes in general promise a bumper crop. On August 17 wind and hail destroyed a number of fields of grain, flattened corn and caused apples to drop in Rouville county and in the Montreal district. Pastures are green and milk production is holding up.

Dominion Experimental Station, Cap Rouge.

The downpour of August eleventh damaged the green crop considerably. Harvesting has been delayed by rainy weather, yields are good to fair. Pastures are very good. Root crops are doing well. Apples are sizing up well and the crop prospects are good. Losses are taken on tomatoes due to heavy rain. Little plowing has been done as yet.

Dominion Experimental Station, Lennoxville.

Weather warm with heavy precipitations. Grain harvest well under way with some threshing. Early grain light weight and of poor quality. Corn, roots, potatoes and pastures in excellent conditions.

Dominion Experimental Station, Ste. Anne de la Pocatiere.

Weather exceedingly wet although several hot spells prevailed. Grain matured very rapidly, quality only fair but yields good. Potatoes, silage and root crops very promising. Haying not all finished yet on account heavy rains. Meadows seed catch very good. Apple crops good although medium scab infection. Fall plowing under way.

QUEBEC (Cont'd.)

Mominion Experimental Station, Farnham.

Pastures medium, silage corn and tobacco very good. Cutting tobacco and harvesting oats is general over the district. Oats fifty per cent lower than last year. Barley much better than oats. Truck crops good. Weather warm and damp with heavy precipitations.

Dominion Entomological Laboratory, Hemmingford.

Abundant moisture. Pastures good. Considerable hay remains to be cut. Barley fair. Oats mostly fair to very poor. Corn growing excellently but considerable corn borer. Potatoes promise big crop. Apples good size but hail has caused considerable injury in several districts.

Provincial Entomologist, Quobec.

No new insect pests worth mentioning have been observed. Correspondents point out that at this season, diseases cause more damage than insects or weeds. Bacterial blight of apples in the Quebec district has caused more extensive losses than last year. Spraying for the control of mustard has given good results in all cases.

CNTARIO

Dominion Experimental Station, Kapuskasing.

Weather conditions in August to date have been excellent and all haying was completed around fourteenth. Cutting grain is general all over the district and an excellent crop. Frost on the ninth and fourteenth caught tender crops in low places. No frost at the station to date. Pasture excellent and crops wonderful at the station.

Dominion Experimental Station, Harrow.

Tobacco harvest well under way with approximately one-third of the flue cured crop harvested with very good quality in most cases. Harvesting of burley and dark tobacco just commencing. Large proportion of wheat threshed with light yields in Essex and Kent counties. Corn crop maturing well but corn borers plentiful.

Dominion Entomological Laboratory, Chatham.

Crops in general progressing favourably and weather satisfactory. Threshing is largely completed. Tobacco is proving a little light. Tomatoes are maturing a little slowly. Field beans are generally infested with green clover worm although not to the extent of being stripped. Corn is maturing well. Sugar beets are satisfactory.

MANITOBA

Provincial Department of Agriculture, Winnipeg.

Over eighty per cent Manitoba crop cut. Threshing proceeding fast though interrupted by showers. Outturns vary greatly and largely in proportion to summer rains. On the whole satisfactory. Losses of horses by encephalomyelitis serious. Pasture, gardens, field corn and potatoes all doing well.

Agricultural Representative, Dauphin.

Weather fine past week. Threshing ninety per cent completed. Many farmers have considerable fall cultivation done. Pastures dry. Stock on grain fields are picking up. Potate crop average good. Fall rains would make excellent prospects for 1938.

Telegraphic Correspondent, Killarney.

Threshing general and notwithstanding tricky weather steady progress being made. Durum wheat averaging nineteen bushels per acre, badly off colour but due to good weight from sixty-three to sixty-five pounds per bushel is still grading number one. Some wheat shaky, Marquis, Ceres and Reward yielding eight to fifteen bushels grading from feed to number four. Barley varying greatly twenty to forty; rye seventeen. Many cars grain now moving. Pastures in splendid shape. Stock doing well except many horses affected with brain disease mentioned in last report. No abatement, losses serious and in a number of cases seriously handicapping farmer in his work.

MANITOBA (Cont'd.)

Telegraphic Correspondent, Melita.

Threshing in full swing. Durum wheat average 18 bushels, hard wheat 12 bushels. Oats and barley patchy, will be below normal. Corn and millet good also gardens. Pastures A 1.

Telegraphic Correspondent, Woodnorth.

One hundred per cent cutting done and probably ten per cent of threshing. Yields reported are not large but with a higher price we are assured that the 1937 crop returns will show considerable improvement.

Telegraphic Correspondent, Kelwood.

Threshing going good and well advanced. Grain turning out well. Cutting practically finished.

Telegraphic Correspondent, Swan River.

About seventy-five per cent cutting done and ten per cent threshing. Yields of wheat will average sixteen, barley and oats better than expected. Clovers and alfalfa giving good second cutting. Gardens will be normal crop. Pastures are good and stock looking well. No diseases here with horses.

SASKATCHE AN

Provincial Department of Agriculture, Regina.

Cutting of wheat in east central and north eastern Saskatchewan is about 90 per cent completed and threshing is well under way but the amount completed varies considerably. Yields are showing a wide range from seed or less than seed up to twenty-five bushels but in the area north of Regina, threshing returns show yields running below the expectations of a week or two ago. Grasshoppers are moving up into the Qu'Appelle valley, damaging fields in which little more than seed had been expected. South of Yorkton practically no coarse grains will be cut except for green feed in with the Russian thistle. In the extreme north western part of Saskatchewan, wet weather has delayed harvesting where a third of the wheat is cut and little yet threshed. No change has occurred in the major drought area of the province. Last week's rains may help the Russian thistle for fodder and also a small amount of feed oats and barley sown in late July. Otherwise abundant rains could not restore native pastures this season.

Dominion Experimental Station, Melfort.

Point thirty-three inches rainfall on nineteenth. Weather fry and windy. Threshing about two thirds completed. Wheat averaging about fifteen bushels, oats thirty, barley five to twenty-five. Pastures becoming very bare. Soil moisture conditions very poor.

Dominion Experimental Farm, Indian Head.

Rain and high winds delayed threshing and combining during week. Wheat yields running from three to twelve bushels per acre. Feed situation serious. Russian thistle main feed in southern Saskatchewan. Grasshoppers causing considerable damage to late feed crops and vegetable gardens. Rainfall decimal 48.

Dominion Experimental Station, Rosthern.

Weather hot and dry with high winds. Maximum ninety-four twenty-second. What little crop there is, being harvested in good condition. Some farmers getting seed back but most cutting and stacking all grain for forage. Pastures and late crops suffering and early rains necessary to prolong outside feeding.

Dominion Experimental Station, Scott.

Prospects of feed from oats improve proceeding west and northwest but hot dry weather of past week is reducing probable feed supply. East and south feed from sown crops gradually reduced to nothing. Considerable sleeping sickness with deaths reported among horses. Beet webworm becoming more prevalent.

SASKATCHEVAN (Cont'd.)

Telegraphic Correspondent, Rosetown.

No rains since last report and harvesting about half done. Yields about one and half bushels on sown acreage. Samples of grain are 0.K. Very high winds 23rd. Very little oats will be threshed. Some grasshoppers damaging later sown oats.

Telegraphic Correspondent, Senlac.

Expect very little wheat marketed here. Harvesting of wheat now in operation. In many cases seed will not be returned. Oats are colouring, will be ripe in ten days. No rain since last report. Plenty of hoppers to lay eggs f(r next season.

ALBERTA

Dominion Range Experiment Station, Manyberries.

Slightly more than one-tenth inch of rain fell this week. More moisture is required for fall growth. Alfalfa threshing is well in progress throughout the district. Crops around here are quite light but fair returns will be obtained. Crops mostly combined or cut with header. Range grass dry and well cured. Cattle continue good gains and are in good flesh.

Dominion Experimental Station, Lacombe.

With cool cloudy weather and light showers on two days, crops ripened very slowly. Cutting delayed in hope that heavy second growth will ripen. Few binders started but cutting probably general this week owing danger of frost. Heavy weed growth difficult and expensive to cut. Dry hot weather needed for ripening and cutting and to dry green second growth in all sheaves.

Dominion Experimental Station, Lethbridge.

Owing to fine weather during past week harvesting has advanced rapidly in southern Alberta. Headers being used extensively in dry area to the east. Binders almost exclusively in good crop area centering about Pincher Creek.

Dominion Experimental Sub-station, Beaverlodge.

Substantial amount of harvesting accomplished but somewhat interrupted by rain, being suspended by a heavy genuine rain over the week end. No further frost damage and most potato tops recovering. Injury previously reported seems practically confined to area south of the Peace.

Telegraphic Correspondent, Calgary.

Harvesting progressing satisfactorily. Considerable wheat, barley now cut but no threshing. Some combines now working lighter fields. No frost damage reported this week.

Telegraphic Correspondent, Olds.

Thirty per cent of wheat cut but very little coarse grains. Cutting will be delayed some on account of rain. Need warm weather to ripen coarse grain. Some fields are quite green yet.

Telegraphic Correspondent, Edmontoh.

Harvesting of wheat around fifteen per cent completed. Coarse grains quite green as yet, require ten days at least to ripen up. Weather today again cloudy and wet which further delays harvest. No frost damage.

Telegraphic Correspondent, Vermilion.

Wheat cutting eighty per cent completed and threshing will soon begin. Hard to judge the yield on account of pig weeds. Oats will be a fair crop.

Telegraphic Correspondent, Athabasca.

Very little cutting done this past week with wet weather. Heavy rains today will cause further delay. Good weather necessary.

BRITISH COLUMBIA

Provincial Department of Agriculture, Victoria.

Weather during the past two weeks has been generally dull and cooler with heavy showers during the last few days. While proving beneficial to root crops and pasture lands it has retarded harvesting and threshing of grain crops and ripening of tomatoes. With the exception of ever bearer strawberries, practically all small fruits harvested. Duchess apples and Transcendent crabs are moving in volume, a few Wealthy apples and Bartlett pears commencing to move. Apricots and early varieties of peaches cleaned up.

Dominion Experimental Farm, Agassiz.

Fine weather during last week. Oat harvesting fifty per cent completed, yields promising. Few threshers ready to start. Corn excellent, crop also roots. Pastures good. Egg prices strengthening. Feed very high. Hop picking starts Monday which is early and crop appears good. Live stock in good condition.

Dominion Experimental Station, Summerland.

Weather dry and moderately cool with very cool nights. Peaches beginning to move, good crop but many small in size. Apples and pears developing normally. Cannery tomatoes and cantaloupes maturing slowly. Grasshoppers very numerous, certain serious infestation next year.

Dominion Experimental Station, Saanichton.

Fall sown wheat all cut and threshing in progress. Yields of thirty-five to forty-five bushels reported. Late spring oats yet to cut. Early varieties of plums and apples on market. Pear crop very light. Loganberries over. Blackberries at best. Weather dry, vegetable gardens and crops in bad need of rain.

Dominion Entomological Laboratory, Victoria.

Weather generally fine and warm with occasional showers last few days. Fall grains cut and threshing is in progress. Harvesting of flower and vegetable seed commenced. Early apples plentiful and local peach plums are on the market. No insect damage of importance.

LATE REPORTS

Provincial Department of Agriculture, Toronto, Ontario.

Harvesting greatly delayed by frequent heavy rains. Considerable stocked grain badly weathered. Yield and quality of spring grain will be reduced from the average to above average forecasts of a month ago. Clearer weather now prevailing and required to prevent further deterioration of standing grain. Late crops and roots growing satisfactorily. Unusually large number of farmers in market for feeder cattle to use up large quantity of winter feed available. Fruit crops are developing well.

Telegraphic Correspondent, Stettler, Alberta.

No rain since last report. Wheat nearly all ripe and about sixty per cent cut. Oats and barley making a good second growth and will need three weeks good weather to mature. If this second growth matures, will have a good yield. Expect wheat to go six or seven bushels.

Dominion Experimental Station, Morden, Manitoba.

Threshing well under way. Wheat yielding as high as forty-two bushels. Rust resistant varieties yielding high with good sample. Varieties susceptible to rust badly rusted with grades low. Oats and barley yield much above normal. Yield of all crops will be much above normal. Pasture good.

STATISTICS CANADA LIBRARY 1010525045 Hole states been trop will exactly mond and transmission lade to the second states of the sec