UNITED STATES OF AMERICA and CANADA

Exchange of notes (with annex) constituting an agreement relating to the assignment of television frequency channels along the United States-Canadian border. Ottawa, 23 April and 23 June 1952

Official text: English.

Registered by the United States of America on 4 March 1955.

ÉTATS-UNIS D'AMÉRIQUE et CANADA

Échange de notes (avec annexe) constituant un accord au sujet de l'attribution de canaux de télévision le long de la frontière des États-Unis et du Canada. Ottawa, 23 avril et 23 juin 1952

Texte officiel anglais.

Enregistré par les États-Unis d'Amérique le 4 mars 1955.

No. 2798. EXCHANGE OF NOTES CONSTITUTING AN AGREEMENT BETWEEN THE UNITED STATES OF AMERICA AND CANADA RELATING TO THE ASSIGNMENT OF TELEVISION FREQUENCY CHANNELS ALONG THE UNITED STATES-CANADIAN BORDER. OTTAWA, 23 APRIL AND 23 JUNE 1952

T

The American Ambassador to the Canadian Secretary of State for External Affairs

THE FOREIGN SERVICE OF THE UNITED STATES OF AMERICA
UNITED STATES EMBASSY

No. 262

Ottawa, April 23, 1952

Excellency:

I have the honor to enclose a draft agreement on the subject of the assignment of frequency channels to television stations along the United States-Canadian border agreed upon by representatives of our two countries during recent discussions in Chicago.

The agreement concerns itself with the assignment and utilization of 82 television channels between 54 and 890 megacycles within an area of 250 miles on either side of the border between the United States and Canada, and establishes certain technical requirements relating to the position, power and equipment of the television stations falling within the 250 mile radius. Provision is made for changes in frequency assignments, and for continuous cooperation between the appropriate agencies of our governments to minimize interference and obtain the maximum efficiency in the use of television channels.

Consideration was given to the use of specific frequencies for offset carrier operation, but it was decided this was a routine matter in connection with station assignments which could be worked out later and need not be contained in the agreement.

I should be grateful to learn whether the Government of Canada agrees with this draft and if so if your government would agree to my suggestion that this

¹ Came into force on 23 June 1952 by the exchange of the said notes.

note and your reply should constitute the Agreement between our two countries on the subject of the assignment of frequency channels to television stations along the United States-Canadian border, to be effective as of the date of your reply.

Please accept, Excellency, the renewed assurances of my highest consideration.

Enclosure.

Stanley Woodward

H.E. the Hon. the Secretary of State for External Affairs Ottawa

CANADIAN-USA TELEVISION AGREEMENT

A. Scope of Agreement

1. This Agreement relates to the assignment and utilization of 82 television channels between 54 and 890 megacycles along the border between Canada and the United States of America within an area of 250 miles on either side of the border. Assignments made at points which are more than 250 miles from the border need not be notified as hereinafter specified except that in cases of unusual powers or antenna heights appropriate details may be exchanged for informational purposes.

B. Notifications

- 1. Notification shall be made by an exchange of documents between the Department of Transport and the Federal Communications Commission. The Governments shall notify each other not later than 10 days following a grant of an authorization for a television station within the scope of the Arrangement. Each Government shall be provided 20 days after notification to object to the proposed assignment.
 - 2. The notification shall contain the following:
 - a. Transmitter location (city, longitude and latitude)
 - b. Channel number
 - c. Channel frequency
 - d. Antenna-
 - (1) Height above ground
 - (2) Height above sea level
 - (3) Height above average terrain (2-10 miles)
 - (4) Horizontal directivity pattern
 - e. Effective radiated power
 - f. Call letters

C. Power of Stations

- 1. All station assignments within the scope of this Agreement shall have an effective radiated signal in any vertical or azimuthal plane not in excess of
 - a. 100 kw for channels 2-6
 - b. 325 kw for channels 7-13
 - c. 1000 kw for channels 14-83
- 2. Lower power than that listed in (1) above may be assigned by either Government, but
- 3. The assignment of lower power shall not prevent the authorization of maximum power at a later date.

D. Antenna Height

1. There shall be no maximum limit on antenna height.

E. Offset of Video Carrier Frequency

- 1. In order to obtain the most favorable possible desired to undesired signal ratio and the maximum service areas in any group of three stations located in close proximity to each other and operating on the same channel, the video carrier frequency of two of said stations shall be offset by plus or minus 10 kilocycles respectively.
- 2. The frequency tolerance of stations in this Arrangement shall be maintained within plus or minus one kilocycle of the agreed frequency.

F. Assignment Plan

Tables A and B contain all the assignments made to Provinces and States within 250 miles of the border. The specific assignments within 250 miles of the border are accepted.

G. Transmitter Locations

Television transmitters shall be located so as to serve the city to which the channel is assigned and to promote the overall efficiency of the assignment plan. Transmitters shall be located so as not to prejudice future assignments in the other country. The following factors shall be considered in the location of transmitters:

- 1. Co-channel separation, VHF and UHF.
- 2. Adjacent channel separation, VHF and UHF.
- 3. Oscillator radiation, UHF. (For the purposes of this Agreement, it is considered that two stations separated by the receiver oscillator frequency, i.e., seven channels, may cause oscillator radiation interference.)
- 4. I. F. beat, UHF. (For the purposes of this Agreement it is considered that two stations separated by the receiver intermediate frequency, i.e., seven or eight channels, may cause I. F. beat interference.)

- 5. Intermodulation, UHF. (For the purposes of this Agreement it is considered that two stations separated by less than six channels may cause intermodulation interference.)
- 6. Picture Image, UHF. (For the purposes of this Agreement it is considered that two stations separated by 15 channels may cause picture image interference.)
- 7. Sound Image, UHF. (For the purposes of this Agreement it is considered that two stations separated by 14 channels may cause sound image interference.)

H. Changes in the Table

Changes or additions to the Table of Assignments shall be effected by the procedure of Notification as set forth elsewhere except that Notification shall be made in advance, and the Government shall have 30 days to object to the change.

I. Cooperation and Exchange of Information

The Administration of the respective countries will exchange information and cooperate with each other for the purpose of minimizing interference and obtaining maximum efficiency in the use of television channels.

TABLE A

Canada

City	Channel No.	City	Channel No.
Alberta		Vancouver-New West-	
Edmonton	10, 12, 17, 23, 35 3, 5, 11, 13	minster	6, 8, 10, 14, 30, 36 2, 27 2, 40, 46
Grande Prairie Lacombe	2 8	Manito	oba
Lethbridge Medecine Hat	7, 22 6, 15	Brandon	5, 9, 11, 21, 32 3
British Columbi	ia –	Dauphin	8, 14 34
Chilliwack	3, 42 19 24	peg). Winnipeg-St. Boniface.	4, 6, 7, 13, 18, 24, 30, 36, 42
Kamloops Kelowna	4, 16 13, 21 48	New Bru	·
Nelson	5, 17	Cambellton Edmunston Fredericton	12, 20 10, 27
Penticton	15 19 6, 7	Moncton	9, 28 16 18
Trail	11, 14	St. John St. Stephen	4, 6, 17, 23 26

City	Channel No.	City	Channel No.
Sackville	8, 22	Sudbury	5, 7, 17, 23
Woodstock	36	Timmins	6
1.00451002		Toronto	6, 9, 11, 19, 25
Nova Scotia		Windsor	9, 32, 38
11000 00000		Wingham	36
Amherst	41	Woodstock	47
Antigonish	9, 34		
Bridgewater	10, 43	Prince Edward	l Island
Halifax 3, 5,	12, 15, 21, 27, 37		
Kentville	19	Charlottetown	13, 14
New Glasgow	18	Summerside	11, 20
Sydney	2, 4, 6, 15, 21		
Truro	31	Quebec	
Windsor	25		
Yarmouth	13, 14	Chicoutimi	2, 12, 14
		Drummondville	19
Ontario		Granby	25
ъ .	1.4	Hull (see Ottawa, Ont.).	20
Barrie	14 39	Jonquière	20
Belleville	39 16	Matane	
Brantford	46	Montreal-Verdun	2, 6, 7, 10, 12, 15, 44
Brockville	14	New Carlisle	2, 14
Cornwall	36	Quebec	4, 5, 9, 11, 29, 39
Fort Frances	5, 19	Rivière du Loup	6, 30
Fort William (see Port	0, 10	Rimouski	3, 21
Arthur).		Roberval	17
Guelph	55	St. Hyacinthe	50
	13, 51, 57, 68, 78	Ste. Anne de la Poca-	
Kenora	9, 22	tière	13, 33
Kingston	26, 44	Shawinigan Falls	27
Kitchener	45	Sherbrooke	42, 48
Kirkland Lake	9	Sorel	17
London	10, 18	Thetford Mines	31
Niagara Falls	29	Three Rivers	21
North Bay	10, 15	Valleyfield	38
Oshawa	53	Verdun (see Montreal).	
Orillia	3, 30	Victoriaville	37
Ottawa-Hull	4, 9, 11, 30, 40		
Owen Sound	8, 26	Saskatcher	wan
Pembroke	13, 32		20
Peterborough	22	Gravelbourg	22
Port Arthur-Fort Wil-	0 / 1 / 00 00	Moose Jaw	4, 7, 18, 24
liam	2, 4, 14, 20, 30	North Battleford	3
St. Catherines	49	Prince Albert	0.0.10.01.07
St. Thomas	24	Regina	2, 9, 12, 21, 27
Sarnia	40	Saskatoon	8, 13 14
Sault Ste. Marie	2, 12, 22	Swift Current	6, 30
Smith Falls	42 27	Watrous	3, 15
Stratford	27	LOTETOH	3, 13

TABLE B

UNITED STATES

City	Channel No.	City	Channel No.
		Dekalb	67
Connecticut		Dekalb Dixon	47
70.11	43, 49, 71	Elgin	28
Bridgeport		Freeport	23
Hartford	3, 18, 24 65	Galesburg	40
Meriden	30	Harrisburg	22
New Britain	8, 59	Tacksonville	29
New Haven	26, 81	Toliet	48
New London	20, 31	Kankakee	14
Norwalk (See Stamford)	57, 63	Kewanee	60
Norwich	27	La Salle	35
Stamford-Norwalk	53	Lincoln	53
Waterbury	33	Macomb	61
* * *		Marion	40
Idaho		Mattoon	46
1011-64	33	Mt. Vernon	38
Blackfoot	4, 7, 9	Olney	16
Boise	15	Peking	49
Burley	2	Peoria	8, 19, 37, 43
Caldwell	12	Ouincy	10, 21
Cœur d'Alone	26	Rockford	13, 39, 45
Emmett	23	Springfield	2, 20, 26
Gooding	3, 8	Streator	65
Idaho Falls	17	Urbana (See	
Jerome	33	Champaign)	
Kellogg	3	Vandalia	28
Lewiston	15	Waukegan	22
Moscow	6, 12	Traumogum	
Nampa	14	Indiana	
Payette	6, 10	1 marana	
	41	Anderson	61
Preston	27	Angola	15
	21	Bedford	39
Rupert Sandpoint	9	Bloomington	4, 30, 36
Twin Falls	11, 13	Columbus	42
Wallace	27	Connersville	38
Weiser	20	Elkhart	52
VVCISCI		Evansville	7, 50, 56, 62
Illinois		Fort Wayne	21, 27, 33
Ittinois		Gary	50, 66
Alton	48	Hammond	56
Aurora	16	Indianapolis	6, 8, 13, 20, 26, 67
Belleville	54	Tasper	19
Bloomington	15	Kokomo	31
Cairo	24	Lafayette	47, 59
Carbondale	34, 61	Lebanon	18
Centralia	32, 59	Logansport	51
Champaign-Urbana	3, 12, 21, 27, 33	Madison	25
Chicago 2, 5	, 7, 9, 11, 20, 26,	Marion	29
	2, 38, 44	Michigan City	62
Danville	24	Muncie	49, 55, 71
Decatur	17, 23	Richmond	32

No. 2798

City	•	Channel No.	City		Channel No.
Chalbywilla		58		Mary	land
Shelbyville South Bend		34, 40, 46		111.001 9	, , , , , , , , , , , , , , , , , , ,
Tell City		31	Annapolis		14
Terre Haute		10, 57, 63	Baltimore		2, 11, 13, 18, 24, 30
Vincennes		44	Cambridge		22
Washington		60	Cumberland .		17
wasnington	• •		Frederick		62
7	Kentucky		Hagerstown .		52
•	Lowwoody		Salisbury		16
Ashland		59			
Bowling Green		13, 17		Massach	usetts
Campbellsville		40			52
Corbin		16	Barnstable		2, 4, 5, 7, 44, 50, 56
Danville		35	Boston		2, 4, 5, 7, 44, 50, 50
Elisabethtown		23 43	Brockton		40, 46
Frankfort		28	Fall River Greenfield		42
Glasgow		36	Holyoke (See		
Harlan		19	Springfield)		
Hazard		20	Lawrence		38
*		27, 33	Lowell		32
Lexington Louisville		, 15, 21, 41, 51	New Bedford .		28, 34
Madisonville		26			15
Mayfield		49	Northampton		36
Maysville		24	Pittsfield		64
		57, 63	Springfield-Ho	lyoke	55, 61
Murray		33	Worcester		14, 20
Owensboro		14	İ		
Paducah		6, 43	1	Michi	igan
Pikeville		14	Alma		41
Princeton		45	Alpena		9, 30
Richmond		60 22	Ann Arbor		20, 26
Somerset		37	Bad Axe		46
Winchester		37	Battle Creek		58, 64
	77		Bay City .		5, 63, 73
	Maine		Benton Harbo		42
Auburn		23	Big Rapids		39
Augusta		10, 29	Cadillac		13, 45
Bangor		2, 5, 16	Calumet		13
Bar Harbor		22	Cheboygan		4, 36 24
Bath		65	Coldwater .		2, 4, 7, 50, 56, 62
Belfast		41	Detroit East Lansing		2, 4, 7, 50, 50, 62
Biddeford		59 7, 20	East Tawas		25
Calais		1, 20	Escanaba .		3
Dover Foxcroft Fort Kent		17	Flint		12, 16, 22, 28
Houlton		24	Gladstone .		40
Lewiston		8, 17	Grand Rapids	·	8, 17, 23
Millinocket		14			10
Orono		12	Houghton .		19
Portland		6, 13, 47, 53			
Presque Isle		8, 19	Iron River .		0.4
Rockland		25	l .		
Rumford		55			0.00
Van Buren		15	Kalamazoo		
Waterville		35	Lansing		. 0, 54

City	Channel No.	City	Channel No.
Ludington	18	Montana	
Ludington	14	1/10/114/14	
Manistee	15	Anaconda	2
Marquette	5, 17	Billings	2, 8, 11
Midland	19	Bozeman	9, 22
Mount Pleasant	47	Butte	4, 6, 7, 15
Musketong	29, 35	Cut Bank	20
Petoskey	31	Deer Lodge	25
Pontiac	44	Dillon	20
Port Huron	34	Glasgow	16 18
Rogers City	24	Glendive	3, 5, 23
Saginaw	51, 57	Hamilton	3, 3, 23 17
Sault Ste. Marie	8, 10, 28, 34	Hardin	4
Traverse City	7, 20, 26 21	Havre	9, 11
West Branch	21	Helena	10, 12
Minnesota		Kalispell	. 8
winnesota .		Laurel	14
Albert Lea	57	Lewistown	13
Alexandria	36	Livingston	16
Austin	6, 51	Miles City	3, 6, 10
Bemidji	24	Missoula	11, 13, 21
Brainerd	12	Polson	18
Cloquet	44	Red Lodge	18
Crookston	21	Shelby	14
Detroit Lakes	18	Sidney	14
Duluth-Superior, Wis .	3, 6, 8, 32, 38	Whitefish	16 20
Ely	16	Wolf Point	20
Fairmont	40 20	Non Hambahi	***
Faribault	16	New Hampshi	76
Fergus Falls	20	Berlin	26
Grand Rapids	29	Claremont	37
Hibbing	10	Concord	27
International Falls	11	Durham	11
Little Falls	14	Hanover	21
Mankato	15	Keene	45
Marshall	22	Laconia	43
Minneapolis-St. Paul . 2,	4, 5, 9, 11, 17, 23	Littleton	24
Montevideo	19	Manchester	9, 48
New Ulm	43	Nashua	54 19
Northfield	26	Portsmouth	51
Owatonna	45	Rochester	31
Red Wing	63	New York	
Rochester	10, 55	1100 1071	
St. Cloud	7, 33	Albany-Schenectady-	
St. Paul (See Minneapolis)		Troy	6, 17, 23, 41
Stillwater	39	Amsterdam	52
Thief River Falls	15	Auburn	37
Virginia	26	Batavia	33
Wadena	27	Binghamton	12, 40, 46
Willmar	31	Buffalo (Also see Buffalo-	15 00
Winona	61	Niagara Falls)	17, 23
Worthington	32	Buffalo-Niagara Falls .	2, 4, 7, 59
-		Cortland	56 46
		Dunkirk	40

City	Channel No.	City	Channel No.
Elmira	18, 24	Cambridge	26
Glens Falls	39	Canton	29
Gloversville	29	Chillicothe	56
Hornell	50	Cincinnati	5, 9, 12, 48, 54, 74
Ithaca	14, 20	Cleveland	3, 5, 8, 19, 25, 65
Jamestown	58	Columbus	4, 6, 10, 34, 40
Kingston	66	Coshocton	20
Malone	20, 66	Dayton	2, 7, 16, 22
Massena	14	Defiance	43
Middletown	60	Findlay	53
New York	2, 4, 5, 7, 9, 11, 25, 31	Gallipolis	18
Niagara Falls (See		Hamilton-Middletown .	65
Buffalo-Niagara		Lancaster	28
Falls)		Lima	35, 41
Ogdensburg	24	Lorain	31
Olean	54	Mansfield	36
Oneonta	62	Marion	17
Oswego	31	Massilon	23
Plattsburg	28	Middleton (See	
Poughkeepsie	21, 83	Hamilton)	#O
Rochester	5, 10, 15, 21, 27	Mount Vernon	58
Rome (See Utica)	10	Newark	60
Saranac Lake	18	Oxford	14 44
Schenectady (Also See	25	Piqua	30
Albany)	35	Portsmouth	30 42
Syracuse	3, 8, 43	Sandusky	46, 52
Troy (See Albany)	12 10 25	•	40, 32
Utica-Rome	13, 19, 25 48	Steubenville (See Wheeling, W. Va.)	
Watertown	40	Tiffin	47
		Toledo	11, 13, 30
North D	akota	Warren	21
T	~ 10 10 04	Youngstown	27, 33, 73
Bismarck	5, 12, 18, 24	Zanesville	50
Bottineau	16		
Carrington	26		
Devils Lake	8, 14	Orego	n
Dickinson	2, 4, 17 6, 13, 34, 40		
Fargo	0, 13, 34, 40	Albany	55
Grafton	2, 10	Ashland	14
Harvey	22, 10	Astoria	30
Jamestown	7, 42	Baker	37 15
Lisbon	23	Bend	16
Minot	6, 10, 13	Burns	
New Rockford	20	Corvallis	7, 49 9, 13, 20, 26
Rugby	38	Eugene	9, 13, 20, 20 30
Valley City	4, 32	Grants Pass	2
Wahpeton	45	La Grande	13
Williston	8, 11, 34	Lebanon	43
		McMinnville	46
Ohi	٥	Medford	4,5
Oni	•	North Bend	16
Akron	49, 55, 61	Pendleton	28
Ashtabula	15	Portland	6, 8, 10, 12, 21, 27
Athens	62	Roseburg	28
Bellefontaine	63	Salem	3, 18, 24

City		Channel No.	City	Channel No.
Springfield		37	Sioux Falls	11, 13, 38, 44
The Dalles		32	Sturgis	20
			Vermillion	2, 41
	Danmanlmania		Watertown	3, 35
	Pennsylvania		Winner	18
Allentown		39, 45	Yankton	17
Altoona		10, 19, 25		
Bethlehem		51	Vermont	
		48	v er moni	
Butler		43	Bennington	33
Chambersburg Du Bois		46 31	Brattleboro	58
Easton		57	Burlington	16, 22
Emporium		42	Montpelier	3, 40
Erie		12, 35, 41, 66	Newport	46
Harrisburg .		27, 33, 71	Rutland	49
Hazleton		63	St. Albans St. Johnsbury	34 30
*		6, 56	St. Johnsbury	30
Lancaster Lebanon		8, 21 15		
Lewiston		38	Washingto	n
Lock Haven .		32		
Meadville		37	Aberdeen	58
New Castle .		45	Anacortes	34
Oil City		64	Bellingham	12, 18, 24
Philadelphia .		10, 17, 23, 29, 35 11, 13, 16, 47, 53	Bremerton	44, 50
Pittsburgh Reading		55, 61	Centralia Ellensburg	17 49, 65
_		16, 22, 73	Ephrata	43, 63
Sharon		39	Everett	22, 28
State College .		44	Grand Coulee	37
Sunbury		65	Hoquiam	52
Uniontown .		14	Kelso	39
Washington . Wilkes Barre .		63 28, 34	Kennewick (Also see	
Williamsport.		36	Kennewick-Richland -Pasco)	25
York		43, 49	Kennewick-Richland-	20
			Pasco	41
	Rhode Island		Longview	33
	11/1000 1010/10		Olympia	60
Providence .		10, 12, 16, 22	Omak-Okanogan	35
			Okanogan (See Omak) Pasco (Also see Kenne-	
	South Dakota		wick-Richland-	
	South Danoia		Pasco)	19
Aberdeen		9, 17	Port Angeles	16
Belle Fourche		23	Pullman	10, 24
Brookings		8, 25	Richland (Also see	
Hot Springs .		17	Kennewick-Richland	21
Huron Lead		12, 15 5, 26	-Pasco)	31 4, 5, 7, 9, 20, 26
Madison		3, 20 46	Spokane	2, 4, 6, 7
Mitchell		5, 20	Tacoma	11, 13, 56, 62
Mobridge		27	Walla Walla	5, 8, 22
Pierre		6, 10, 22	Wenatchee	45, 55
Rapid City .		7, 15	Yakima	23, 29, 47

City	Channel No.	City	Channel No.
West Virgini	a	Beloit	57 24
Beckley	6, 21	Eau Claire	13, 19, 25
Bluefield	41	Fond du Lac	54
Charleston	8, 43, 49	Green Bay	2, 6
Clarksburg	12, 22	Janesville	63
Elkins	40	Kenosha	61
Fairmont	35	La Crosse	8, 32, 38
Hinton	31	Madison	3, 21, 27, 33
Huntingdon	3, 13, 53	Manitowoc	65
Logan	23	Marinette	11, 32, 38
Martinsburg	58	Milwaukee	4, 10, 12, 19, 25, 31
Morgantown	24	Oshkosh	48
Parkersburg	15	Park Falls	18
Welch	25	Portage	17
Weston	32	Prairie du Chien	34
Wheeling (Also See		Racine	49, 55
Wheeling-Steuben-		Rhinelander	22
ville, O.)	57	Rice Lake	21
Wheeling-Steubenville,		Richland Center	15, 66
O	7, 9, 51	Sheboygan	59
Williamson	17	Shell Lake	30
***************************************		Sparta	50
Wisconsin		Stevens Point	20, 26
VV 1300113111		Sturgeon Bay	44
Adams	58	Superior (See Duluth,	
Appleton	42	Minn.)	
Ashland	15	Wausau	7, 16, 46
Beaver Dam	37	Wisconsin Rapids	14
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TT

The Canadian Secretary of State for External Affairs to the American Ambassador

DEPARTMENT OF EXTERNAL AFFAIRS

CANADA

No. E-176

Ottawa, June 23 1952

Excellency:

I have the honour to refer to your note No. 262 of April 23 1952, enclosing a draft agreement on the assignment of frequency channels to television stations along the Canadian-United States border.

This will confirm that the draft agreement is acceptable to my Government. Your note and this reply will therefore constitute an agreement between our two Governments on this subject, effective from today's date.

Accept, Excellency, the renewed assurances of my highest consideration.

For the Secretary of State for External Affairs:

L. D. WILGRESS

H.E. the Hon. Stanley Woodward United States Ambassador to Canada 100 Wellington Street, Ottawa