

N° 2228.

ÉTATS-UNIS D'AMÉRIQUE,
CANADA,
CUBA ET TERRE-NEUVE

Echange de notes comportant un accord relatif à l'allocation des fréquences sur le continent nord-américain. Ottawa, les 26 et 28 février 1929, et subséquemment.

UNITED STATES OF AMERICA,
CANADA, CUBA
AND NEWFOUNDLAND

Exchange of Notes constituting an Agreement relative to the Assignment of Frequencies on the North American Continent. Ottawa, February 26 and 28, 1929, and subsequent dates.

No. 2228. — EXCHANGE OF NOTES BETWEEN THE GOVERNMENTS OF THE UNITED STATES OF AMERICA, CANADA, CUBA AND NEWFOUNDLAND, CONSTITUTING AN AGREEMENT RELATIVE TO THE ASSIGNMENT OF FREQUENCIES ON THE NORTH AMERICAN CONTINENT. OTTAWA, FEBRUARY 26 AND 28, 1929, AND SUBSEQUENT DATES.

Texte officiel anglais communiqué par le « Advisory Officer » du Canada auprès de la Société des Nations. L'enregistrement de cet échange de notes a eu lieu le 18 décembre 1929. Cet échange de notes a été transmis au Secrétariat par le « Department of State » du Gouvernement des Etats-Unis d'Amérique, le 22 août 1929.

AGREEMENT

BETWEEN UNITED STATES, CANADA, NEWFOUNDLAND, CUBA AND OTHER NORTH AMERICAN NATIONS RELATIVE TO THE ASSIGNMENT OF FREQUENCIES ON THE NORTH AMERICAN CONTINENT.

1. The sovereign right of all nations to the use of every radio channel is recognized. Nevertheless, until technical development progresses to the stage where radio interference can be eliminated, it is agreed that special administrative arrangements are essential in order to promote standardization and to minimize radio interference.
2. The Governments agree that each country shall be free to assign any frequency to any radio station within its jurisdiction upon the sole condition that no interference with any service of another country will result therefrom.
3. It is agreed that each Government shall use Appendix I attached hereto, as a general guide in allocating channels to the various services specified therein.
4. Channels are divided into two classes, 1) common channels which are primarily assigned to particular services in all countries, and 2) general communication channels which are assigned for use in specific areas.
5. With regard to the general communication channels, it is considered that at the present stage of the art, the use of radio channels below 3500 K/C will not normally cause interference at distances greater than 1000 miles and such channels may, therefore, be used with freedom from interference by stations separated by such distance. It is further recognized that stations operating on frequencies above 3500 K/C may become sources of interference at distances in excess of 1000 miles, particularly at night.
6. The Governments agree to take advantage of the physical facts just explained, and by suitable geographical distribution of these two classes of channels throughout North America

and the West Indies, to make available for general communication services, the total number of channels set forth in Appendix 2 attached hereto.

7. Each Government shall have the right to assign to stations under its jurisdiction, in the manner it deems best, such general communication channels as are allocated to that Government under this agreement, as set forth in Appendix No. 2. The Governments agree not to assign to stations within their respective jurisdiction any of the general communication channels allocated to other Governments, unless it can be accomplished without causing interference.

8. The marine calling frequency of 5525 K/C shall be used until superseded by an international assignment.

9. In addition to the frequencies assigned specially for experiments (1604, 2398 and 4596 K/C) the Governments agree that experimentation by particularly qualified experimenters, may be authorized on any other channel provided no interference is caused with established services, as provided in Regulation No. 11 of the International Radio Convention¹ of Washington 1927.

10. The Governments agree to adopt a radio frequency standard based on the unit of time and to compare at least once every six months, the actual radio frequency measuring standards.

11. The Governments agree to require all stations, other than mobile and amateur stations, under their jurisdiction, to tune their transmitters with an accuracy of 0.025 per cent, or better, of their national frequency standard.

12. The Governments agree to require all stations likely to cause international interference, other than mobile and amateur stations, to maintain their frequency with an accuracy of 0.05 per cent, or better, at all times.

13. For the purpose of this agreement a channel shall be regarded as a band of frequencies the width of which varies with its position in the range of frequencies under consideration, but which progresses numerically from the lower to the higher frequencies, as shown in the following table :

Frequency (K/C)	Channel Width (K/C)
1500-2198	4
2200-3313	6
3316-4400	8
4405-5490	10
5495-6000	15

14. The Governments agree to adopt for the present in their national plan of allocation a separation of 0.2 per cent between radio frequency channels ; and to permit stations under their respective jurisdiction to occupy the assigned frequency and the adjacent frequencies to the limit permitted by the frequency maintenance tolerances and necessitated by the type of emission the station may be authorized to use. For commercial telephony a band width of six kilocycles shall be permitted. For the present, a 100 kilocycle band width shall be considered standard for television.

15. The Governments agree to require stations under their jurisdiction to use transmitters which are as free as practicable from all emissions (such as those due to harmonics, decrement, spacing waves, frequency modulation, key clicks, type of keying, mush, etc.) not essential to the type of communication carried on, and which would be detrimental to communication being carried on by stations in other countries.

16. Appendices Numbers 1 and 2, together with the chart showing graphically the distribution of the frequencies, which are attached hereto, shall constitute a part of this agreement.

¹ Vol. LXXXIV, page 97 ; vol. XCII, page 412 ; et vol. XCVI, page 205, de ce recueil.

17. This agreement shall go into effect on March 1st, 1929, and shall remain in force until January 1st, 1932, and thereafter for an indeterminate period and until one year from the day on which a denunciation thereof shall have been made by any one of the Contracting Parties.

Certified to be a true copy of the original :

U. H. Walker,
Acting Under-Secretary of State
for External Affairs.

NORTH AMERICAN RADIO CONFERENCE 1929

APPENDIX No. I.

ALLOCATION OF CHANNELS TO SERVICES (ARRANGED IN ORDER OF KILOCYCLES).

Channels ¹	Service	No. of Channels
1504 to 1600	Maritime Mobile Services ²	25
1600 to 1648	Air Mobile Services ³	12
1648 to 1712	Mobile Services	16
1712 to 2000	Amateurs	72
2000 to 2200	Experimental Visual Broadcasting	50
2200 to 2296	General Communication Services ⁴	16
2296 to 2398	Maritime and Air Mobile Services ³	17
2398 to 2470	Mobile Services	12
2470 to 2506	Air Mobile Services	6
2506 to 2602	Maritime Mobile Services	16
2602 to 2650	Air Mobile Services	8
2650 to 2746	Maritime and Air Mobile Services	16
2746 to 2950	Experimental Visual Broadcasting	34
2950 to 3004	Maritime and Air Mobile Services	9
3004 to 3058	General Communication Services ⁴	9
3058 to 3106	Air Mobile Services	8
3106 to 3148	Maritime Mobile Services	7
3148 to 3412	General Communication Services ⁴	40
3412 to 3500	Maritime and Air Mobile Services	11
3500 to 3996	Amateurs	62
3996 to 4100	General Communication Services ⁴	13
4100 to 4196	Maritime and Air Mobile Services	12
4196 to 4745	General Communication Services ⁴	60
4745 to 4795	Maritime and Air Mobile Services	5
4795 to 5495	General Communication Services ⁴	70
5495 to 5690	Maritime and Air Mobile Services	13
5690 to 6000	General Communication Services ⁴	20
		⁵ 639 (704)

NOTES.

¹ The last channel in each group is assigned to the service indicated immediately abreast the group except as specially noted to the contrary.

² The channel 1600 Kc/s is assigned to Mobile Services.

³ The channels 1604, 2398 and 4795 Kc/s are assigned to Experimental Services.

⁴ For details regarding General Communications Services, see Appendix 2.

⁵ Taking into account Articles 5 and 6 of the Agreement, this total is increased by 65.

NORTH AMERICAN RADIO CONFERENCE 1929.

APPENDIX No. 2.

DISTRIBUTION OF GENERAL COMMUNICATION CHANNELS.

United States :

3154	3348	4260	4595	5015	5265
3160	3356	4268	4605	5025	5275
3166	3364	4276	4615	5035	5285
3172	3372	4284	4625	5045	5295
3178	3380	4292	4635	5055	5305
3184	3388	4300	4645	5065	5315
3190	3396	4308	4655	5075	5325
3232	3404	4316	4665	5085	5335
3238	3412	4364	4675	5095	5345
3244	4012	4372	4685	5105	5355
3250	4020	4380	4695	5115	5365
3256	4028	4388	4705	5125	5855
3262	4036	4396	4715	5135	5870
3268	4044	4405	4725	5145	5885
3274	4052	4415	4735	5155	5900
3280	4060	4425	4745	5165	5915
3286	4068	4435	4925	5175	5930
3292	4076	4445	4935	5185	5945
3298	4084	4525	4945	5195	5960
3304	4092	4535	4955	5205	5975
3310	4100	4545	4965	5215	5990
3316	4204	4555	4975	5225	
3324	4236	4565	4985	5235	
3332	4244	4575	4995	5245	
3340	4252	4585	5005	5255	

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Canada and Newfoundland :

2206	3022	3220	3332	4495	5455
2212	3028	3226	* 3340	4815	5465
2218	3034	3232	* 3348	4825	5475
2224	3040	3238	* 3356	4835	5485
2230	3046	3244	* 3364	4845	5495
2236	3052	3250	* 3372	4855	5705
2242	3058	3256	* 3380	4865	5720
2248	* 3154	3262	* 3388	4875	5735
2254	* 3160	3268	* 3396	4885	5750
2260	* 3166	3274	* 3404	4895	5765
2266	* 3172	3280	* 3412	4905	5780
2272	* 3178	3286	4324	5385	5795
2278	* 3184	3292	4332	5395	5810
2284	* 3190	3298	4340	5405	
2290	3196	3304	4348	5415	
2296	3202	3310	4465	5425	
3010	3208	3316	4475	5435	
3016	3214	3324	4485	5445	

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NOTE.

* Used by Newfoundland.

Cuba :

2206	2230	3010	3196	4212	
2212	2236	3016	3202	4505	20
2218	2242	3022	3208	5375	
2224	2248	3028	4004	5825	

Other Nations :

2254	2278	3034	3058	4220	4515
2260	2284	3040	3214	4228	4805
2266	2290	3046	3220	4356	4915
2272	2296	3052	3226	4455	5840
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SUMMARY.

Services	No. of Channels
Maritime Mobile Services exclusively	47
Air Mobile Service exclusively.	33
Amateurs	134
Experimental Visual Broadcasting	84
Air and Maritime Mobile Services	81
Experimental	3
Mobile Services	29
General Communication Services	228
Total	639
Grand total	704

NOTE. — The grand total is obtained by adding on 65 channels made available through the application of Articles 5 and 6 of the Agreement.

EXCHANGE OF NOTES.

I.

THE CHAIRMAN OF THE CANADIAN DELEGATION TO THE CHAIRMAN
OF THE UNITED STATES DELEGATION.

OTTAWA, 1st *February*, 1929.

Judge E. O. Sykes,
Federal Radio Commission,
Washington, D. C.

“ In accordance with the undertaking given by the Canadian delegation at the closing session of the Conference on Friday last, I now have the honour to advise that the proposals for the distribution of channels as set forth in detail in appendices Numbers One and Two and graphic chart attached to draft of document headed “ Suggestions for an agreement between United States, Canada, Cuba, Mexico and other North American nations relative to the assignment of frequencies on the North American continent ”, as per copy transmitted to you by Commander Craven, are

approved and accepted by the Canadian delegation. The United States delegation, having already by majority vote approved of these proposals as generally outlined at the final session of the Conference, it is our understanding that there but remains for approval the Articles of Agreement as suggested in draft document in question. As soon as we are advised that this is confirmed by the United States delegation and that these Articles of Agreement are approved and accepted by them, the whole may be considered as approved and accepted by the Canadian authorities ”.

A. JOHNSTON.

II.

THE UNITED STATES MINISTER TO THE SECRETARY OF STATE FOR EXTERNAL AFFAIRS, CANADA.

No. 315.

OTTAWA, Canada, *February 26, 1929.*

SIR,

With regard to the recent short wave length radio conference at Ottawa, I am instructed by my Government to inform you that it approves the recommendations of the delegates at the conference and will announce the agreement effective March 1, 1929.

I avail myself of the occasion to renew to you, Sir, the assurances of my highest consideration.

(Signed) William PHILLIPS.

The Right Honorable
William Lyon Mackenzie King, C.M.G., LL.B., LL.D.,
Secretary of State for External Affairs,
Ottawa.

III.

THE SECRETARY OF STATE FOR EXTERNAL AFFAIRS, CANADA, TO THE UNITED STATES MINISTER.

DEPARTMENT
OF EXTERNAL AFFAIRS
CANADA.
No. 16.

OTTAWA, 28th *February, 1929.*

SIR,

I have the honour to acknowledge your Note of February 26th, 1929, regarding the recent Short Wave Radio Conference at Ottawa.

It is gratifying to the Government of the Dominion of Canada to learn that the Government of the United States approve the recommendations of the delegates at the Conference. The Canadian Government have pleasure in stating that they also accept these recommendations.

It is noted that your Government will announce the agreement effective March 1st, 1929. I have the honour to request that you be good enough to inform them that we will accordingly announce the agreement as effective on the same day.

Accept, Sir, the renewed assurance of my highest consideration.

O. D. SKELTON,
*For the Secretary of State
for External Affairs.*

The Honourable William Phillips,
Minister of the United States of America,
United States Legation,
Ottawa.

IV.

THE SECRETARY OF STATE FOR EXTERNAL AFFAIRS, CANADA, TO THE PRIME MINISTER
OF NEWFOUNDLAND, ST. JOHN'S, NEWFOUNDLAND.

(Telegram.)

OTTAWA, 28th February, 1929.

With reference to recent Short Wave Radio Conference at Ottawa the Canadian Government are now informed that the United States Government approve the recommendations of the delegates at Conference. These recommendations have also been accepted by the Canadian Government. It has been arranged between the two Governments to have the agreement announced as effective March 1st, 1929.

*Secretary of State
for External Affairs.*

V.

THE NEWFOUNDLAND DELEGATE TO THE SECRETARY OF STATE
FOR EXTERNAL AFFAIRS, CANADA.

(Telegram.)

ST. JOHN'S, Newfoundland, March 4th, 1929.

External
Ottawa, Ont.

Your cable to Prime Minister reference Radio Conference at Ottawa. Government of Newfoundland have notified Chairman accepting recommendations made by United States and Canadian Government to be effective as from 1st March 1929.

LE MESSURIER,
Newfoundland Delegate.

VI.

THE CONSUL GENERAL OF CUBA TO THE UNDER-SECRETARY OF STATE
FOR EXTERNAL AFFAIRS, CANADA.

No. 40.

OTTAWA, March 14th, 1929.

SIR,

I have the honour to inform you that the Secretary of State of the Republic has been notified by the Department of Communications, in charge of our Radio Services, that the agreement relative to the Ottawa Radio Conference is accepted by Cuba.

I have the honour to be, with the highest consideration, Sir, Your obedient servant,

(Signed) Gabriel DE LA CAMPA,
Consul General for Cuba.

The Honourable Doctor O. D. Skelton,
Under-Secretary of State
for External Affairs,
Ottawa.

VII.

THE UNDER-SECRETARY OF STATE FOR EXTERNAL AFFAIRS, CANADA,
TO THE CONSUL GENERAL OF CUBA.

DEPARTMENT
OF EXTERNAL AFFAIRS,
CANADA.

OTTAWA, 22nd June, 1929.

SIR,

With further reference to your Note of the 14th March regarding the Short Wave Radio Conference held at Ottawa in January last, I have the honour to state, for the purpose of completing your records, that the Government of Canada approve the recommendations of the delegates at the Conference and consider the Agreement to be effective as from the 1st March, 1929.

I have the honour to be, Sir, Your obedient servant,

O. D. SKELTON,
*Under-Secretary of State
for External Affairs.*

Gabriel de la Campa, Esquire,
Consul General of Cuba,
Ottawa.

VIII.

THE SECRETARY OF STATE FOR EXTERNAL AFFAIRS, CANADA,
TO THE PRIME MINISTER OF NEWFOUNDLAND.

DEPARTMENT
OF EXTERNAL AFFAIRS,
CANADA.

No. 10.

OTTAWA, 22nd June, 1929.

SIR,

With reference to our telegram of the 28th February to your Prime Minister and the telegram of the 4th March from Mr. W. H. Le Messurier regarding the Short Wave Radio Conference held at Ottawa in January last, I have the honour to state, for the purpose of completing your records, that the Government of Canada accept the recommendations of the delegates at the Conference and consider the Agreement to be effective as from the 1st March, 1929.

I should be grateful if you would be good enough to state, for the purpose of completing our records, whether the Government of Newfoundland accept the recommendations of the delegates at the Conference and consider the Agreement to be effective as from the 1st March, 1929.

I have the honour to be, Sir, Your obedient servant,

O. D. SKELTON,
*For the Secretary of State
for External Affairs.*

The Honourable
The Colonial Secretary of Newfoundland,
St. John's,
Newfoundland.

IX.

THE COLONIAL SECRETARY OF NEWFOUNDLAND TO THE SECRETARY OF STATE
FOR EXTERNAL AFFAIRS, CANADA.

DEPARTMENT
OF THE COLONIAL SECRETARY
ST. JOHN'S, NEWFOUNDLAND.

St. JOHN'S, Newfoundland, *September 26th*, 1929.

SIR,

Referring to your letter No. 10 of the 22nd June last regarding the Short Wave Radio Conference held in Ottawa in January last, I have the honour to intimate, for the purpose of completing your records, that the Government of Newfoundland accept the recommendation of the Delegates at the Conference and consider the Agreement to be effective as from the 1st March 1929.

I have the honour to be, Sir, Your obedient servant,

(Signed) A. BAINES,
Colonial Secretary.

The Honourable,
The Secretary of State
for External Affairs,
Ottawa.