

UNION RADIO - SCIENTIFIQUE INTERNATIONALE

International Scientific Radio Union

U. R. S. I.

BULLETIN MENSUEL

JUILLET 1938

MONTHLY BULLETIN

JULY 1938

I N F O R M A T I O N S

D O C U M E N T S

COMITE NATIONAL FRANCAIS - FRENCH NATIONAL COMMITTEE -

- N° 507 - Evanouissements brusques et affaiblissements signalés par le poste récepteur de Beyrouth. (Complément du document n°505).
- N° 508 - Evanouissements indiqués dans les Ursigrammes Japonais, période du 1 au 30 Avril 1938.
- N° 509 - Renforcements des atmosphériques et évanouissements brusques pour la période du 1er au 31 Mai 1938.

COMITE NATIONAL JAPONAIS - JAPANESE NATIONAL COMMITTEE -

- N° 506 - Report of Radio Research in Japan, Vol.VII, n°2, 1937.
- Contents - 7 - Comparison of Field Intensities in Short Waves received Simultaneously from European Stations at Two Different Points in Japan; T. Amisima, U. Yamaguti, K. Endo, and M. Nakagami.
- 8 - On the Long-Period Variations in the F_2 Region of the Ionosphere; K. Tani, Y. Ito and H. Sinkawa.
- 9 - On the Propagation of High Frequency Radio Waves of about 30 Mc/s; K. Maeda, and T. Tukada.
- 10 - Annual Variations in Upper Atmospheric Ionization; K. Maeda, T. Tukada and T. Kamoshida.
- 11 - A New Attachment Theory of the Ionosphere, T. Tukada.
- N° 510 - Report of Radio Research in Japan, Vol.VII, n°3, 1937.
- Contents - 12 - Upper Atmospheric Ionization and Solar Radiation, K. Maeda.
- 13 - Automatic Measurement of Atmospheric Noise, K. Maeda and H. Yokoyama.
- 14 - Beiträge zur Theorie des 2-Schlitz-Magnetfeldgenerators im C-Bereich, Y. Ito.

- 15 - An Abnormal Phenomenon in Short Wave Transmission , D. Arakawa.
- 16 - Photradio Development in Japan, D. Arakawa, A. Kimpara and T. Amisima.
- 17 - A Metallic Ellipsoid as Frequency Stabilizer for Decimeter Waves, K.Morita.
- 18 - A portable Standard Frequency Oscillator, I. Koga.
- 19 - An Ultrashort-Wave Quartz Crystal Oscillator, I. Koga.

Toutes les études contenues dans les documents n°506 et 510 font partie des mémoires présentés à l'Assemblée Générale.

All the works of documents n°506 and 510 are included in the works presented to the General Assembly.

U R S I G R A M M E S - U R S I G R A M S

COMITE NATIONAL AMERICAIN

U.S.A. NATIONAL COMMITTEE

I.- PROGRAMME - PROGRAM

Voir Bulletin n°2 - Février 1938, p.26. | See Bulletin n°2 - February 1938, p.26.

II.- CODE

Voir Bulletin n°2, page 28. | See Bulletin n°2, p.28

III.- RENSEIGNEMENTS COSMIQUES - COSMIC DATA

Toutes les valeurs sont réunies par Science Service sous la garantie du Comité National Américain de l'U.R.S.I. | All data are collected by Science Service under the sponsorship of the American National Committee of the U.R.S.I.

M.A.G.

Les données proviennent du U.S. Coast and Geodetic Survey, Cheltenham, Md. | Data from U.S. Coast and Geodetic Survey, Cheltenham, Md.

Amplification : Donnée pour 24 heures, se terminant à 7 h. du soir E.S.T. du jour indiqué. | Amplification : Given for 24 hours ending 7 p.m., E.S.T. date given.

Date	Ursigrams	Amplification
1938 May		
15	1595X 0600X	Moderately disturbed until 1 a.m. May 15, then slightly disturbed.
16	2593X 0350X	Slightly disturbed until 10:50 p.m. May 15, then moderately disturbed.
17	3595X 0900X	Moderately disturbed until 4 a.m. May 17, then slightly disturbed.
18	43XXX	Quiet

Date	Ursigrams	Amplification
1938		
May		
19	53XXX	Quiet.
20	63XXX	Quiet.
21	73XXX	Quiet.
22	13XXX	Quiet.
23	23XXX	Quiet.
24	3597X 1010X 2400X	Quiet to 5:10 a.m. May 24, then slightly disturbed until 4 p.m., then horizontal intensity only disturbed to 7 p.m., May 24 with a range of about 115 gammas.
25	43XXX	Declination and vertical intensity quiet; but horizontal intensity very slightly disturbed.
26	53XXX	Quiet.
27	63XXX	Quiet.
28	75XXX	Hightly disturbed.
29	1597X 0600X 2400X	Slightly disturbed until 1 a.m. May 29, then moderately disturbed until 7 p.m. May 29.
30	23XXX	Quiet.
31	33XXX	Quiet.
June		
1	43XXX	Quiet.
2	5593X 1812X	Quiet until 1:12 p.m. June 2, then moderately disturbed.
3	6595X 0300X	Moderately disturbed until 10 p.m. June 2, then quiet.
4	73XXX	Quiet.
5	13XXX	Slightly disturbed.
6	23XXX	Quiet.
7	3593X 2203X	Quiet until 5:03 p.m. June 7, then moderately disturbed.

Date	Ursigrams	Amplification
1938 June		
8	459XX	Moderately disturbed
9	5595X 0900X	Moderately disturbed until 4 a.m. June 9, then slightly disturbed.
10	63XXX	Slightly disturbed
11	75XXX	Moderately disturbed

CARACTERISTIQUES MAGNETIQUES : MAGNETIC CHARACTER :

Les explications des renseignements fournis sont données dans le Bulletin Mensuel de Janvier, n°1, 1938, p.11.

Explanations of data are given in the Monthly Bulletin of January, n°1, 1938, p.11.

Date	Magnetic Character Magnetic Observatories of the U.S.A. Coast and Geo- detic Survey Mean Value		Magnetic Character Mac Gregor Expedition	
	0 h - 12 h.	12 h - 24 h.	0 h - 12 h.	12 h - 24 h
1938 May				
14	0.9	1.1	---	---
15	1.0	0.5	1.0	1.0
16	0.6	0.4	1.0	1.0
17	0.5	0.5	1.0	1.0
18	0.3	0.0	0.5	0.5
19	0.0	0.0	0.5	0.5
20	0.0	0.0	0.5	1.0
21	0.4	0.1	0.5	0.5
22	0.0	0.1	---	---

23	0.0	0.1
24	0.1	0.8
25	0.7	0.4
26	0.1	0.1
27	0.0	0.2
28	0.7	0.8
29	1.0	1.0
30	0.3	0.3
31	0.1	0.0
June		
1	0.1	0.1
2	0.1	0.9
3	0.3	0.1
4	0.0	0.0
5	0.4	0.1
6	0.0	0.2
7	0.0	0.5
8	1.2	1.1
9	0.6	0.6
10	0.5	0.6

S. O. L.

Données fournies par l'Obser- Data from Mount Wilson Ob-
vatoire du Mont Wilson. servatory.

Date	S.O.L.	Date	S.O.L.
1938		1938	
May		May	
12	51175	26	5XXXX
13	61180	27	61190
14	71385	28	70860
15	11165	29	11060
16	2XXXX	30	20945
17	3XXXX	31	30865
18	40940	June	
19	5XXXX	1	40860
20	61050	2	51075
21	70960	3	61090
22	11275	4	71065
23	21325 ⁺	5	11180
24	31090 ⁺	6	21090
25	41225 ⁺	7	31310 ⁺
		8	41220 ⁺

+ Add 100 to the number of spots

K.H.L.

Renseignements du National Bureau of Standards. Data from National Bureau of Standards.

For May 18		For May 25		For June 1	
3417X	58035	3417X	56038	3417X	54044
25012	64038	25011	62035	25012	62038
35013	68040	35013	70036	35012	66041
37516	68050	38016	78039	39813	72044
38026	74045	385XX	78055	40021	72058
42021	74068	39023	82044	44020	76048
46024	78049	44015	86061	46020	80059
48031	82068	44023	880XX	50034	820XX
50052	840XX	54036			
52039					

For June 8

3417X	50063
25011	52061
35012	54067
38515	56033
39030	60074
42021	62082
46024	640XX
48032	

MANILA URSIGRAMS : received at Navy Department.

M.A.G. for May 17 to May 31, 1938 :

May 17 -	359XX	459XX	559XX	63XXX	759XX	15XXX	259XX
	375XX	473XX	559XX	659XX	775XX	177XX	259XX
	359XX						

JAPANESE URSIGRAMS : from Tokyo Radio Station JAP, 11980 Kc.

intercepted 5 a.m. P.S.T., by the R.C.A. San Francisco Station.

May 21:

S.O.L. : 51200 61238 71212 11136 2XXXX 3XXXX 4XXXX
Add 100 to number of spots every day.

P.R.O. : 52151 64131 73241 15230 2XXXX 3XXXX 4XXXX

M.A.G. : 81220 21110

K.H.L. : 71803 XX113 36338 45500

F.A.D. : Nil

May 28:

S.O.L. : 5XXXX 60839 7XXXX 1XXXX 2XXXX 31110 4XXXX
Friday add 100 and tuesday add 200 to number of spots

P.R.O. : 5XXXX 64173 7XXXX 1XXXX 2XXXX 34252 4XXXX

M.A.G. : 81900 10011

K.H.L. : 72503 XX242 48422 57600

F.A.D. : 30240

June 6 :

S.O.L. : 51358 61127 7XXXX 10989 20884 30985 40976
Add 100 to number of spots on Thursday and Friday

P.R.O. : 54361 62232 7XXXX 15262 24151 34241 43141

M.A.G. : 82600 22211

K.H.L. : 70103 XX239 41453 00600

F.A.D. : Nil

June 11 :

S.O.L. : 50758 60913 70828 10874 20872 31330 4XXXX
Add 100 to number of spots on Friday, Saturday and Tuesday.

P.R.O. : 56231 64241 75321 14242 24352 33251 4XXXX

M.A.G. : 80210 01152

K.H.L. : 70806 XX215 50468 00600

F.A.D. : Nil.

COMITE NATIONAL FRANCAIS
FRENCH NATIONAL COMMITTEE

I.- PROGRAMME ET CODE - PROGRAM AND CODE

Le programme et le code des Ursigrammes émis sous les auspices du Comité Français de Radiotélégraphie Scientifique ont été publiés dans " L'Onde Electrique " Vol.10, n°120, Décembre 1931, p.I à X.

Program and code of Ursigrams emitted under the auspices of the French Radioscientific Committee are contained in " L'Onde Electrique " Vol.10, n°120, December 1931, p.I to X.

II.- RENSEIGNEMENTS - DATA

DATE	Bulletin Météorologique Quotidien B.A.R.								Activité so- laire S.O.L.
	Lignes Isobares				Zones des				
	Val. de la ligne (mb.)	Coordonnées			basses pressions	hautes			
1938 Mai 30	1015	15429 14912	14633 14700	14619	76108	990	93625	1027	22331
31	1015	15000 14322	14515 15027	14718 15440	73104 74201 76115	1010 1014 995	93528	1024	31232
		23500 34300	23605 24203	23013 24000					
Juin 1er	1015	15025 13505	14513 13012	14005	74300 75007 76315	1010 995 995	94326 93517	1025 1022	4XXXX
2	1015	14525 15309	15516 15000	15915	75600 75231	998 989	94513 93427	1026 1026	52231
		23900	23307	23013					

1938
Juin
3

1015	15135 14910	14726 15404	14419 15300	75725 74105 75700	995 1013 1004	94700 94132	1024 1027	62232
	24102 23905	24205 24102	24007					

4	1015	13600 13009	13605	13409	75408 75516 75728 73203	1001 1000 998 1006	97225 94024	1022 1026	72232
		24830 24813 24200	24625 24407	24617 23808					

37300 36725	36701 26240	36406
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5	1015	15557 14330 15100	14754 14125	14137 14215	75815 75330	998 995	93237	1030	12332
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23500	22515
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6	1015	15140 13932 15300	14736 14121	14438 14511	75619	986	93040	1028	---
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27700 26145	27420	26140
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7	1015	14170 14945 15745	14366 15370 14628	14145 15770	76112 74516 74649	983 1013 1005	93045 94840	1030 1022	33333
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8	1015	15635 15700	15019	15306	76314	985	94116	1028	43433 324XX
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9	1015	16725 16100	16125	15710	76410	1000	94726	1033	53343 323XX
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10	1025	16025 15209 15000	16020 14912	15519 15106	77105 74111	1005 1019	94924	1038	63444 322XX 786XX
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24100 23514	24312 23220	24115
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11	1025	16125 15505 14507 13525	15813 15005 14316 14735	15512 14902 13720	77200	1000	95426 94818	1036 1036	7X333
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1938 Juin									
12	1025	16020 15006 13813 14425	15906 14506 13420 14929	15306 14410 13826	73707 76815	1013 1005	95220 94418	1036 1035	12342
13	1015	15038 16406 23700	15537 16500 23310	16320 23013	76820	1004	95217	1035	22331
14	1015	13500 13015 24533 27220	13605 25241 26512	13307 26539 25900	73004	1004	95412	1032	---
15	1015	16500 16246 13830	16605 15540	16412 14328	73101 77133	1010 1000	95214 93025	1032 1027	42332
16	1025	14600 14515 15811 24215 24018	14503 15223 16103 23911 24215	14708 15918 15800 23520	77025	1005	95313 93817	1031 1028	52321
17	1020	14500 16003 23827 23516	14707 16000 24518 23114	15713 24009	76437 77100 73105	990 1005 1010	95253 94117	1027 1025	62324
18	1015	15125 15300 22915 23502	15315 23413 23600	14907 23709	76323 73105	1000 1010	95162 93322	1021 1021	72215
19	1020	14935 15125 24025 23628	15232 15210 24929 24025	14730 15000 23731	73928 73201 76517	1018 1005 989	94516	1025	1XXXX