TABLE II.*—*Data furnished by the Canadian Meteorological Service, January, 1921.*

Stations.	Altitude above mean sea level, Jan. 1, 1919.	Pressure.			Temperature of the air.						Precipitation.		
		Station reduced to mean of 24 hours.	Sea level reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Feet.	*Inches.*	*Inches.*	*Inches.*	° *F.*	° *F.*	° *F.*	° *F.*	° *F.*	° *F.*	*Inches.*	*Inches.*	*Inches.*
St. Johns, N. F	125	29.50	29.64	−0.22	20.6	− 3.2	26.5	14.8	46	− 1	3.51	−2.40	24.0
Sydney, C. B. I	48	29.90	29.94	+ .01	22.0	+ 1.5	29.1	15.0	47	− 6	3.97	−1.13	27.5
Halifax, N. S	88	29.87	29.98	+ .01	24.2	+ 2.4	32.7	15.6	48	− 3	4.05	−1.72	24.2
Yarmouth, N. S	65	29.93	30.00	.00	27.2	+ 0.9	34.4	19.9	49	5	2.81	−2.60	14.5
Charlottetown, P. E. I	38	29.90	29.94	− .02	18.6	+ 1.6	26.4	10.9	44	−10	3.42	−0.54	23.9
Chatham, N. B	28	29.96	30.00	+ .03	14.8	+ 5.0	25.7	4.0	48	−20	2.63	−0.96	18.8
Father Point, Que	20	30.00	30.03	+ .05	10.3	+ 2.3	19.3	1.3	36	−13	2.54	−0.31	21.5
Quebec, Que	296	29.72	30.06	+ .04	13.7	+ 4.6	21.3	6.2	38	−16	2.18	−1.83	15.9
Montreal, Que	187	29.87	30.09	+ .09	17.5	+ 5.8	24.4	10.7	41	−14	1.74	−1.99	12.6
Stonecliffe, Ont	489	29.46	30.10	+ .08	10.0	+ 3.6	22.8	− 2.7	44	− 3	0.67	−1.65	6.7
Ottawa, Ont	236	29.84	30.13	+ .10	17.2	+ 7.6	26.4	8.1	44	−23	1.83	−1.16	14.3
Kingston, Ont	285	29.79	30.12	+ .07	24.6	+ 7.5	32.1	17.1	43	−14	0.54	−2.91	2.8
Toronto, Ont	379	29.70	30.13	+ .08	27.8	+ 6.4	35.4	20.2	53	− 5	0.67	−2.25	4.0
Cochrane, Ont	930												
White River, Ont	1,244	28.66	30.04	+ .03	7.9	+ 8.3	21.3	− 5.4	39	−43	0.90	−0.79	8.0
Port Stanley, Ont	592												
Southampton, Ont	656	29.36	30.02	− .01	25.2	+ 4.8	32.0	18.4	46	00	1.97	−2.08	14.5
Parry Sound, Ont	688	29.38	30.09	+ .08	21.0	+ 7.2	30.7	11.4	44	−28	2.41	−1.67	16.5
Port Arthur, Ont	644	29.35	30.09	+ .09	15.2	+12.1	24.8	5.7	40	−20	0.64	−0.18	6.4
Winnipeg, Man	760	29.20	30.08	− .03	7.1	+ 0.3	16.5	− 2.2	33	−33	1.15	+0.27	11.0
Minnedosa, Man	1,690	28.14	30.06	− .04	5.9	+13.1	15.1	− 3.3	33	−33	0.68	−0.12	6.8
Le Pas, Man	860												
Qu'Appelle, Sask	2,115	27.64	29.96	− .12	10.7	+14.2	19.6	1.8	38	−26	0.36	−0.14	3.4
Medicine Hat, Alb	2,144	27.53	29.86	− .21	20.8	+15.3	32.5	9.2	48	−10	0.09	−0.48	0.9
Moose Jaw, Sask	1,759												
Swift Current, Sask	2,392	27.30	30.03	− .06	17.7	+14.6	28.9	6.6	49	−15	0.13	−0.51	1.3
Calgary, Alb	3,428	26.22	29.92	− .11	17.4	+ 9.0	29.5	5.4	47	−16	0.89	+0.36	8.9
Banff, Alb	4,521	25.17	29.91	− .09	17.8	+ 5.7	26.4	9.2	34	−13	2.78	+1.59	27.8
Edmonton, Alb	2,150	27.50	29.91	− .12	9.1	+ 7.3	19.3	− 1.1	41	−33	0.79	+0.11	7.9
Prince Albert, Sask	1,450	28.36	30.02	− .07	5.1	+13.5	14.1	− 3.8	30	−36	1.08	+0.11	10.8
Battleford, Sask	1,592	28.15	29.98	− .10	7.6	+13.5	17.1	− 1.9	37	−25	0.80	+0.40	8.0
Kamloops, B. C	1,262	28.68	29.93	− .03	26.9	+ 1.9	33.3	20.5	47	7	0.65	−0.17	6.5
Victoria, B. C	230	29.67	29.93	− .04	40.2	+ 1.7	43.9	36.4	52	29	5.55	+0.16	2.4
Barkerville, B. C	4,180	25.40	29.57	− .32	18.8	+ 1.0	25.4	12.2	34	− 4	4.80	+2.20	48.0
Triangle Island, B. C	680												
Prince Rupert, B. C	170												
Hamilton, Ber	151	30.00	30.17	+ .04	61.9	−0.1	67.5	56.4	73	46	5.99	+1.05	0.0

*Heretofore known as Table III. Table II, formerly "Details of excessive precipitation," is no longer published in the REVIEW, but appears in the Annual Report of the Chief of the Weather Bureau. See "Description of Tables and Charts," p. 41.

SEISMOLOGY.

SEISMOLOGICAL ABBREVIATIONS USED IN THE INSTRUMENTAL REPORTS.

CHARACTER OF THE EARTHQUAKE.

I=noticeable.
II=conspicuous.
III=strong.
d=(terræ motus domesticus)=local earthquake (sensible or felt).
v=(terræ motus vicinus)=near-by earthquake (within 1,000 km.).
r=(terræ motus remotus)=distant earthquake (1,000 to 5,000 km. distant).
u=(terræ motus ultimus)=very distant earthquake (beyond 5,000 km.).
Δ=distance to epicenter.

PHASES.

P=(undæ primæ)=first preliminary tremors.
PR_n=P waves reflected n times at the earth's surface.
S=(undæ secundæ)=second preliminary tremors.
SR_n=S waves reflected n times at the earth's surface.
PS=transformed waves; longitudinal (P) to transversal (S) or vice versa.
L=(undæ longæ)=long waves in the principal portion.
M=(undæ maximæ)=greatest motion in the principal portion.
C=(coda)=trailers.
O=time at epicenter.
L_{rep1}=long waves reaching the station from the antiepicenter (40,000 km.−Δ).
L_{rep2}=long waves again reaching the station from the antiepicenter (40,000 km.+Δ).
F=(finis)=end of perceptible trace.

NATURE OF THE MOTION.

i=(impetus)=abrupt beginning.
e=(emersio)=gradual appearance.
T=(period)=twice time of oscillation.
A=amplitude of earth's movement, reckoned from the zero line. E, N, or Z attached to a symbol signifies the E–W, the N–S, or the vertical component, respectively, thus:
P_E is the E–W component of P.
P_N is the N–S component of P.
P_Z is the vertical component of P.
μ=micron, $\frac{1}{1000}$ mm.

INSTRUMENTAL CONSTANTS.

T_0=period of instrument.
V=magnification of instrument.
ε=damping ratio.

List of instrumental stations from which reports are received.

Location.	Latitude, N.	Longitude, W.	Elevation, meters.	Description of instruments.	Instrumental constants. E-W. V	E-W. T_0	E-W. ε	N-S. V	N-S. T_0	N-S. ε	Institution.	Director.
ALABAMA.	° ′ ″	° ′ ″										
Mobile	30 41 44	88 08 46	60	Wiechert 80-kg., astatic, horizontal pendulum.	.....	.....	.....	.....	.....	.....	Spring Hill College, seismic observatory.	Cyril Ruhlman, S. J.
ALASKA.												
Sitka	57 03 00	135 30 03	15.2	Two Bosch-Omori 10 and 12 kg.	10	18	.....	10	18	.....	U. S. Coast and Geodetic Survey, Magnetic Observatory.	F. P. Ulrich.
ARIZONA.												
Tucson	32 14 48	110 50 06	769.6	.....do.....	10	18	.....	10	18	.....	.....do.....	Wm. H. Cullum.
CALIFORNIA.												
Point Loma	32 43 03	117 15 10	91.4	Two-component C.D.West seismoscope.	.....	.....	.....	.....	.....	.....	Theosophical University	F. J. Dick.
COLORADO.												
Denver	30 40 36	104 56 54	1,655	Wiechert 80-kg., astatic, horizontal pendulum.	.....	.....	.....	.....	.....	.....	Sacred Heart College, earthquake station.	A. W. Forstall, S. J.
DISTRICT OF COLUMBIA.												
Washington	38 54 25	77 04 24	42.4	Wiechert 200-kg., astatic, horizontal pendulum; *80-kg. vertical.*	165	5.4	0	143	5.2	0	Georgetown University, department of geology.	F. A. Tondorf, S. J.
					VERTICAL: *V, 80; T^0, 3.0; ε, 0.*							
				Bosch photographic pendulums (horizontal), 200 g.	133	5.0	.....	133	5.0	.....	.....	
				Mainka astatic pendulums, 135-kg.	47	9.0	.....	59	9.0	.....	.....	
				Bosch-Omori, 25-kg	.....	.....	.....	.....	.....	.....	.....	
Do	38 54 12	77 03 03	21	Marvin, vertical pendulum, undamped, mechanical registration.	110	6.4	.....	110	6.4	.....	U. S. Weather Bureau	W. J. Humphreys.
HAWAII.												
Honolulu	21 19 12	158 03 48	15.2	Milne seismograph of the Seismol. Comm. Brit. Assoc.	.....	18	[1]0″.48	.....	.....	.....	U. S. Coast and Geodetic Survey, Magnetic Observatory.	H. E. McComb.
ILLINOIS.												
Chicago	41 47 00	87 37 00	180.1	Two Milne-Shaw horizontal pendulums, 0.45-kg.	150	12	20:1	150	[2]12	20:1	University of Chicago	H. J. Cox.
MARYLAND.												
Cheltenham	38 44 00	76 50 30	71.6	Two Bosch-Omori 10 and 12 kg.	10	15	.....	10	15	.....	U. S. Coast and Geodetic Survey, Magnetic Observatory.	George Hartnell.
MASSACHUSETTS.												
Cambridge	42 22 36	71 06 59	5.4	Two Bosch-Omori 100-kg., horizontal pendulum, mechanical registration.	80	23	0	50	25	4:1	Harvard University seismographic station.	J. B. Woodworth.
MISSOURI.												
St. Louis	38 38 15	90 13 58.5	160.4	Wiechert 80-kg., astatic, horizontal pendulum.	80	7	5:1	.....	.....	.....	St. Louis University, geophysical observatory.	J. B. Goesse, S. J.
NEW YORK.												
Buffalo	42 53 02	78 52 40	180.5	Wiechert 80-kg., horizontal.	80	7	5:1	.....	.....	.....	Canisius College, department of physics.	E. J. Kolkmeyer.
Ithaca	42 26 58	76 29 09	242.6	Two Bosch-Omori 25-kg., horizontal pendulum, mechanical registration.	13	22	4:1	14	25	4:1	Cornell University, seismograph station.	P. S. Sheldon.
New York	40 51 47	73 53 08	23.9	Wiechert 80-kg	72	5.6	0	72	3.5	0	Fordham University	Jos. Lynch, S. J.
CANAL ZONE.												
Balboa Heights	8 57 39	79 33 29	27.6	Two Bosch-Omori 100-kg. and 25-kg.	{35, 10}	20	.....	{35, 10}	20	.....	Panama Canal, Department Operation and Maintenance, section of meteorology and hydrography.	Governor, Panama Canal.
PORTO RICO.												
Vieques	18 09 00	65 27 00	19.8	Two Bosch-Omori	10	17	.....	10	19	.....	U. S. Coast and Geodetic Survey, Magnetic Observatory.	W. M. Hill.
VERMONT.												
Northfield	44 10 00	72 41 00	256	Two Bosch-Omori mechanical registration.	10	15	.....	10	16	.....	U. S. Weather Bureau	Wm. A. Shaw.
CANADA.												
Ottawa	45 23 38	75 42 57	83	Two Bosch photographic horizontal pendulum, one Spindler & Hoyer 80-kg. vertical seismograph.	120	26	.....	.....	.....	.....	Dominion Observatory, earthquake station.	E. A. Hodgson.
Toronto	43 40 01	79 23 54	113.7	Milne horizontal pendulum, North, in the meridian.	.....	18	[1]0″.45	.....	.....	.....	Dominion Meteorological Service.	
Victoria	48 24 00	123 19 00	6.7	Wiechert, vertical; Milne horizontal pendulum, North, in meridian.	.....	18	[1]0″.54	.....	.....	.....	.....do.....	

[1] Sensitivity. [2] From Jan. 31, 1921.

For the reports of the stations at the University of California, Berkeley, Calif., and at the Lick Observatory, Mount Hamilton, Calif., see *Bulletin of the Seismographic Stations, University of California;* for the report of the station at the University of Santa Clara, Santa Clara, Calif., see *Record of the Seismographic Station, University of Santa Clara.*