Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

1922
Jan-Dec.

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
	1	151	9.1	5.8	0.02
	3	125	9.0	3.6	0.02
	1	162	8.5	3.7	0.02
	3	142	10.5	2.6	0.05
A_z	2	72	5.4	4.1	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks. h m s
	1922								
1	Jan. 1	eP	12 10 13					2570 (23.1°)	0., 12 04 55
		eS	14 24	?					
		eL	14.9	13					
		MN_1	15 52	11	8				
		ME_1	18 22	20		13			Felt strongly at Kokoda, (Papua): intensity, R.F. 5.
		ME_2	22 02	15		22			
		MN_2	23 13	13	18				
		MZ	24 36	12			12		
		MN_3	25 28	13	28				
		ME_3	26 13	14		18			
		i	12 45						
	" 1	eP	19 50 48	5	1	-		6070 (54.6°)	0., 19 41 11
		iPR	53 07	6	-	-5			
		$_1$iS	58 28	9	-1	-12			
			58 38	9	-	20			
		PS	58 56	12	-	9			
		eL	20 01.4	20					
		ME_1, MN_1	02.6	20	70	66			
		ME_2	03 54	20		144			
		MZ_1	04 45	17			40		
		MN_2	05 24	13	46				
		ME_3	06 08	12		31			
		MN_3	06 43	12	34				
		MZ_2	08 36	12			9		
		ME_4	09 06	12		27			
		MN_4	10 11	11	21				
		ME_5	15 51	12		18			
		MN_5	17 35	12	19				
		CE_1	25 10	10		5			
		CN_1	28 56	10	6				
		CN_2	34 43	12	6				
		CE_2	35 18	12		6			
		CE_3	41 43	10		3			
		F	22 30						
3	" 3	iP	21 03 19	4	+1	-5			
		i	05 58	5	-9	+5			
			09 23	6	-	6			
		e(L?)	11.4	14					
		i	11 51	4	-5	+16			
		ME_1	13 48	15		4			
		ME_2	15 23	8		5			
		MN	17 35	11	2				
		F	21 55						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 19″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration** (NS, EW, Vert.)

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date. 1922	Phase.	Time (*Greenwich*) h m s	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks.
4	Jan. 6	eP?	14 26 05						Peru.
		e(PS?)	40 34	14	4	1			
		eSR_1	46 42						
			47 18	19	15	13			
		eL	15 03.6	30					
		MZ_1	06 15	21			21		
		MN_1, ME_1	06.9	21	15	[illegible]			
		MZ_2	09 05	20			18		
		ME_2	11 35	18		[illegible]			
		MN_2	11 46	18	10				
		ME_3	17 30	16		12			
		MN_3	21 50	16	12				
		F	17 15						
5	" 7	e(S?)	9 35.6	12	1				
		e(SR_1?)	39.2						
			39 23	12	5	2			
		eL	50.4	18					
		MN	50 57	17	4				
		ME	55 19	14		2			
		F	10 35						
6	" 9	e(S?)	5 43 23						
		eL	6 18.5	60					
		ME_1	28 02	30		7			
		MN_1	28 23	30	6				
		MN_2	38 59	20	5				
		ME_2	43 41	18		3			
		MN_3	45 38	20	5				
		ME_3	47 54	18		2			
		MN_4	51 02	20	4				
		ME_4	56 08	18		3			
		M_5	59.7	18	3	4			
		MN_6	7 03 55	18	3				
		ME_6	06 35	17		3			
		F	8 20						
	" 10	eL	14 19.2	18					
		ME	21 18	16		2			
		MN	25 24	16	2				
		F	14 30						
	16	eL	17 32.1	24					
		ME_1	33 33	20		4			
		MN	38 39	16	2				
		ME_2	40 53	15		3			
		F	17 55						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration** (NS, EW, Vert.)

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	h m s
9	Jan. 17	eP	4 08 34	1.8				2290	0., 4 03 47
		i	08 38	1.5			+6	(20.6°)	
		eS	12 22	?					
		eL	14.3	14?					
		M_1	16.6	8	6	12			
		ME_2	17 56	8		9			
		MN_2	18 38	8	4				
		F	Lost in No. 10						
10	" 17	PR_1?	4 10 41	7	2	2	2		Analysis difficult: probably double.
		e	19 26	14	14	11			
			19 38	14			16		
		e(SR_1?)	24 14	14	8	20			
			27 09	12	20				
			27 32	12		19			
			31 26	14		60			
			31 54	14	32				
		e(L?)	37.6	25?					
		MN_1	42 26	14	14				
		ME_1	42 41	13		7			
		MZ_1	45 49	14			8		
		ME_2	53 07	20		27			
		MZ_2	53 44	18			15		
		MN_2	54 54	19	18				
		ME_3	55 14	19		19			
		MN_3	5 02 14	20	14				
		ME_4	03 02	19		9			
		MN_4	14 06	20	14				
		MN_5	26 44	19	10				
		F	8 05						
11	" 19	eP?	22 04 59	?				2780?	Felt strongly in Papua (New Guinea) at Daru, intendity 6 R.F.; at Kikori, 4 R.F.
	(20	iS	09 26	7	+3	+8			
			09 56	7	26	8			
		SR_1	10 34	8	22	7			
		eL	11.2	44					
		MN_1, ME_1	13.0	20	150	390			
		MZ_1	14 02	8			96		
		MN_2	14 24	11	490				
		ME_2, MZ_2	14.7	11		520+	250		
		MZ_3	16 13	12			350		
		MN_3	16 22	12	370				
		ME_3	17 26	12		670+			

(Continued on next sheet)

No. 1 (Continued) 1922, January.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	e : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_Z				

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
11	Jan.19	MZ_4	22 19 22	12			270		
(Cont.)	20	ME_4	19 50	10		260			
		MN_4	20 09	10	260				
		ME_5	22 38	11		260			
		ME_6	25 06	10		140			
		MN_5	29 22	10	86				
		CE_1	33 36	10		37			
		CN_1	39 38	10	30				
		CE_2	40 02	10		15			
		CN_2	45 42	10	18				
		CE_3	47 42	10		15			
		CN_3	51 37	11	11				
		F	2 10						
12	" 20	e?	5 13.9	12					
		eL	19.3	12					
		MN	20 26	12	1				
		ME	20 49	12		1			
		F	5 35						
13	" 20	e(P?)	6 57 34					3470?	
		eS	7 02 49	7	1	-			
			03 06	8	3	-			
		eL	05.1	25					
		MZ_1	06 59	8			24		
		ME_1	07 49	12		80			
		MN_1, MZ_2	07.9	10	58		29		
		MN_2	09 14	8	27				
		ME_2	10 38	12		66			
		MN_3	13 13	12	29				
		ME_3	16 15	12		23			
		F	8 30						
14	" 22	eP	3 30 32					3510	h m s 0.,3 23 49
		eS	35 50	6	2	1		(31.6°)	
		PS	36 05	7	1	7			
		eSR_1	37 22	8		4			
		eL	38.0	18					
		MN_1	39 12	16	34				
		ME_1, MZ_1	39.9	30		80	40		
		ME_2	41 09	20		75			
		MN_2	41 31	16	27				
		MZ_2	41 54	20			27		
		ME_3	44 27	15		27			
		MN_3	46 05	11	14				
		F	6 05						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
15	Jan. 22	eL	15 41.3	20					
		ME	44 35	18		24			
		MN_1	45 54	12	8				
		MN_2	50 01	15	7				
		MZ	50 21	15			9		
		F	16 25						
16	" 22	eP	20 50 46						h m s
		eS	56 31	9	1	17		3960 (35.6°)	0.20 43 28
		PS	56 50	9	4	7			
		eL	21 00.0	28					
		MN_1	00 25	14	19				
		ME_1, MZ_1	01.5	21		50	55		
		MN_2	02 27	12	20				
		MN_3, MZ_2	03.7	14	25		12		
		ME_2	07 29	12		·13			
		F	Lost in N°17						
17	" 22	eP?	21 18 06						
		e(S?)	23 14	8	-	3			
		eL	27.2	24					
		ME_1	28 31	20		24			
		MN_1	28 37	18	11				
		ME_2	30 53	16		18			
		MN_2	32 27	12	12				
		F	22 45						
18	" 23	eP	3 51 10						h m s
		eS	55 41	8	2	3		2840 (25.5°)	0.,3 45 27
			55 48	8	3	5			
		PS	56 00	8	5	3			
		eL?	57.0	?					
		ME	59 32	11		3			
		MN	4 01 10	11	2				
		F	4 30						
19	" 28	e	15 29.0						
		ME	35 34	?					
		MN	37 54	10	1				
		F	16 00						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
20	Jan. 30	eL	17 04.0	24					
		ME	05 57	18		3			
		MN	07 55	12	1				
		F	17 25						
21	" 31	e(PR_1?)	13 34 59	8	-	1			California.
		eS	43 51	10	2	1			
		SR_1	51 18	12					
			51 32	12	15	9			
		eL	14 01.1	50					
		MN_1, ME_1	02.3	26	100	80			
		ME_2	06 48	24		41			
		MN_2	10 50	16	9				
		ME_3, MZ_1	13.7	20		60	18		
		MN_3	18 32	17	30				
		MZ_2	19 08	18			22		
		ME_4	20 36	18		48			
		MN_4, MZ_3	26.1	17	18		17		
		ME_5	25 36	17		30			
		ME_6	31 31	18		24			
		MN_5	39 28	16	9				
		CE_1	42 36	16		9			
		CN_1	53 44	15	4				
		CE_2	54 04	16		7			
		CN_2	15 27 12	18	9				
		F	16 50						

E. F. Pigot Sy.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	160	8.9	4.8	0.02
	(3)	113	9.0	3.8	0.02
A_E	(1)	169	8.5	3.7	0.02
	(3)	154	9.5	3.0	0.04
A_z	(2)	74	5.2	4.4	0.08

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
	Feb. 2	e?	2 55.0	16?					
		e	3 07 40						
		e	09 15	10	1				
			09 40	10	1	1			
		eL	18.2	30					
		MN_1	18 56	26	9				
		ME_1	19 48	20		4			
		MN_2	23 40	14	3				
		F	4 25						
23	" 5	eP	3 52 51	8	1	-		3070?	
		e(S?)	57 39	?					
		eL	00.5	12?					
		ME_1	4 02 28	24		17			
		MN_1	04 05	?					
		ME_2	06 07	12		3			
		MN_2	07 28	12	12				
		F	5 05						
24	" 5	e(S?)	9 59.7	10					
			10 00 12	10	2	1			
			01 32	12	4	5			
		eL	02.8	20					
		M_1	04.4	14	13	11			
		M_2	06.5	12	7	8			
		F	10 45						
25	" 14	e?	3 32.6						
		e(L?)	39.7	16?					
		MN	40 32	13	2				
		ME	41 40	15		2			
		F	5 25						
26	" 14	eL	13 24.9	?					
		MN	29 32	16	2				
		ME	32 44	?					
		F	13 55						
27	" 15	e(S?)	8 14.6						
		eL	20.1						
		ME	21 28	16		7			
		MN	24 03	16		5			
		F	9 30						
28	" 15	e(S?)	14 25.8						
		eL	30.4	21					
		ME_1	32 26	14		13			
		MN_1	34 40	11	9				
		ME_2	36 01	10		15			
		MN_2	37 32	12	7				
		F	15 50						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
29	Feb. 18	eS?	4 06.4						
		eL?	13.8						
		ME	15 55	12		1			
		MN	17 44	?					
		F	4 35						
30	" 18	eL	22 40.3	24					
		M	41.7	20	5	8			
		F	23 10						
31	" 19	e?	1 36.0						
		e	37.5	5		1			
		MN	39 32	10	1				
		F	1 50						
32	" 19	e?	4 51.5						
		eL	56.5	14					
		MN	57 32	12	3				
		F	5 05						
33	" 19	eL	21 40.0	?					
		MN	41 03	14	2				
		F	21 50						
34	" 20	e	7 55.9	?					
		e	59.0	15	2	-			
		eL	8 00.5	22					
		MN	03 01	15	4				
		ME	03 20	16		7			
		F	8 25						
35	" 20	e?	16 01.5						
		eS	04 41	10	1				
		eL	05.3	17					
		MN	07 25	12	17				
		ME	07 49	12		2			
		F	16 35						
36	" 23	e?	16 01.8						
		eL	06.5	24					
		ME_1	07 41	20		14			
		ME_2	09 24	18		19			
		MN	09 56	16	7				
		F	17 05						
37	" 27	e	20 56.3						
		MN	21 00 21	12	2				
		ME	00 34	12		1			
		F	22 40						
38	" 28	eP	15 04 17	1				160	New South Wales.
		eS	04 35	2	4	3			
		MN	04 49	4	7				
		ME	04 58	4		5			
		F	15 10						

E. F. Pigott S.J.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

$\phi = 33° 49' 49''$ S. $\lambda = 151° 9' 30''$ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N	(1)	~~157~~	~~9.0~~	~~5.6~~	~~0.02~~
	(3)	124	9.0	3.8	0.02
A_E	(1)	164	8.5	3.3	0.02
	(3)	183	9.3	2.4	0.05
A_z	(2)	79	5.3	3.7	0.08

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
39	[illegible]. 4	e?	17 27.9						
		eS	31 31	9	1	2			
		eL	32.6	18					
		MN_1	34 41	9	4				
		ME_1	34 58	8		2			
		MN_2	37 44	8	3				
		ME_2	38 52	10		1			
		F	18 10						
40	[illegible] 4	eP?	13 00.4						
		e(S?)	03.5	7	1	-			
		e(L?)	04.5	?					
		MN	09 08	12	2				
		ME	18 18	10		1			
		F Lost in N° 41							
	4	eP	13 20 01	5	1	-		8790 (79.1°)	h m s 0., 13 12 47
		eS	30 01	8	2	1			
		i(PS?)	30 21	8	+5	+21			
		eL	46.5	26					
		MN_1	51 16	16		7			
		ME_1	52 54	16	3				
		ME_2	59 31	14		1			
		MN_2	14 00 31	10	1				
		F	14 35						
42	[illegible] 7	eP	16 53 21	4				2560 (23.0°)	h m s 0., 16 48 04
		eS	57 31	8	4	-			
		eL	58.9	20					
		ME_1	17 01 42	16		4			
		MN_1	02 35	13	4				
		ME_2	03 35	16		29			
		ME_3	04 52	13		22			
		MN_2	05 19	12	4				
		ME_4	08 07	10		6			
		MN_3	11 49	12	9				
		F Lost in N° 43							
43	[illegible] 7	e	17 14.1	4		1			
		e	17.8	6		1			
		eL	20.5	14					
		MN	21 47	12	1				
		ME	23 10	10		1			
		F	19 30						
44	[illegible] 7	eP	22 21 54	4				2890	h m s 0., 22 16 06
		iP	21 58	4	-	+4			
		eS	26 29	?					
		eL	28.7	24					
		MN_1	29 39	16	1				
		ME_1	30 43	20		1			
		ME_2	35 07	16		4			
		F	23 00						

(Continued on next sheet.)

No.

3 (Continued) March, 1922

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

$\varphi = 33° 49' 49''$ S. $\lambda = 151° 9' 30''$ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
45	March 8	e?	21 21.1						
		e(S?)	25 04	8		1			
		eL	26.2	16					
		LE	28 28	14		1			
		MN	29 24	12	1				
		F	22 05						
56	" 10	eP	16 57 32						h m s
		iS	17 02 03	8	-11	+8		2840 (25.5°)	O., 16 51 49
			02 11	8	19	19			
		eL	04.9	14					
		MN_1	05 05	8	14				
		ME_1	05 19	8		9			
		M_2	07.5	6	15	10			
		M_3	11.5	8	12	10			
		F	18 30						
57	" 12	e(P?)	12 25 33	4	-	1			
		e(PKP?)	26 33	?					
		eS	30 07	10	3	2			
		eL	31.3	22					
		MN_1	32 33	18	21				
		ME_1	33 52	12		3			
		ME_2	38 49	14		5			
		MN_2	39 57	16	8				
		F	14 25						
58	" 12	e(S?)	17 16 08	12	4				
		eL	38.0	24					
		ME_1	40 59	16		1			
		MN_1	41 17	18	2				
		ME_2	44 45	16		1			
		MN_2	45 37	16	2				
		F Lost in N° 49							
49	" 12	eL	18 05.1	20					
		ME	05 26	17		1			
		MN_1	05 59	18	1				
		MN_2	18 13	12	1				
		eW_2	19 24.7	?					
	series	MN_1	25 13	20	1				
		MN_2	30 41	16		2			
		F	20 10						
50	" 13	e?	9 25.9	8	1				
		e(L?)	35.5						
		ME	38 59	10		1			
		MN	39 39	12	1				
		F Lost in N° 51							

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	h m s
51	Mar. 17	eP	13 04 14	4	1	-		2390	O., 12 59 15
			04 39	4	-	2		(21.5°)	
		eS	08 10	10	4	3			
			08 18	10		5			
		eL	09.9	24					
		ME_1	11 18	20		6			
		MN_1	12 07	12	5				
		ME_2	19 47	16		5			
		MN_2	23 54	12	3				
		F	14 35						
52	" 17	e	17 33.3	11					
		eL	38.7	16					
		ME	39 43	12		2			
		MN	44 07	10	1				
		F	18 35						
53	" 21	eP	11 54,09	7	-	1		2970	h m s O., 11 48 15
		eS	58 50	10	1	1		(26.7°)	
		eL	12 00.7	?					
		M	01.8	14	1	1			
		F	12 40						
54	" 26	eP	13 47 03	4				3410	h m s O., 13 40 24
		eS	52 14	8	1	-		(30.7°)	
		eL	54.7	18					
		ME_1	58 00	14		6			
		MN_1	58 15	14	10				
		ME_2	14 01 40	12		5			
		MN_2	05 26	12	3				
		ME_3	09 44	14		5			
		F	15 05						
55	" 28	e(P?)	4 15 22					10,800?	
		eS	26 55	16	2	2			
			27 10	16	7	2			
		SR_1	33 47	14	5				
		eL	45.4	?					
		MN_1	46 32	32	2				
		MN_2	59 07	20	1				
		F	8 00						
56	" 29	e?	5 20.5	4					
		e(L?)	29.6	14					
		ME	33 23	12		1			
		MN	31 03	12	1				
		F	6 10						

E.F.Pigot S.J.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	~~154~~	~~6.8~~	~~4.7~~	~~0.02~~
	(3)	115	9.0	3.2	0.02
A_E	(1)	162	8.4	2.8	0.02
	(3)	154	9.5	3.3	0.05
A_Z	(2)	81	5.2	3.6	0.09

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	h m s
57	Apr. 2	eP	20 31 12	4	1			9580	0., 20 18 18
		eS	41 51	8	1	1		(86.2°)	
		PS	42 26	8	2	2			
		eL	21 02.3	22					
		MN_1	05 46	14	1				
		ME_1	06 24	14		1			
		MN_2	08 07	16	2				
		ME_2	08 26	19		3			
		F	21 25						
58	" 3	e?	20 05.8	6					
		eL	09.8	16					
		M	12.9	16	2	1			
		F	20 55						
59	" 4	e(S?)	15 33 20	8		1			
		eL	35.1	18					
		ME	37 01	16		2			
		MN	40 57	14	1				
		F	16 20						
									h m s
60	" 5	iP	10 06 22	4	+5	1	1	3450	0., 9 59 43
		ePR_1	07 47	4	3	2		(31.0°)	
			08 02	4	5	2			
		eS	11 36	8	2	2			
		PS	11 59	8	5	5			
		SR_1	13 18	10	7	2			
		eL	14.3	20					
		MN_1	18 33	10	36				
		ME_1	18 44	10		67			
		ME_2	20 12	12		250			
		MN_2	20 18	12	130				
		ME_3	20 50	14		300			
		MN_3	21 16	16	260				
		MZ_1	21 21	16			110		
		MN_4	22 32	12	92				
		MZ_2	23 13	12			58		
		ME_4	23 21	12		164			
		MN_5	25 32	10	80				
		ME_5	27 14	10		59			
		MZ_3	28 07	16			55		
		MN_6	29 06	13	88				
		ME_6	29 42	12		67			
		CE_1	36 38	12		18			
		CN_1	38 25	12	18				
		CE_2	42 55	12		21			
		CN_2	44 25	12	18				
		eW_2	12 52, 6						
	W_2 series	SMN_1	55 36	16	1				
		MN_2	57 40	17	1				
		F	14 40						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 19″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks.
	1922								
	Apr. 8	e(S?)	3 49 46	8	1	1			
		e(L?)	57.4	20					
		MN_1	4 03 07	14	1				
		MN_2	05 43	16	3				
		ME_1	07 02	18		2			
		ME_2	11 25	16		2			
		F	5 25						
62	" 8	e(P?)	12 14 06	4		1		2360?	
		eS	18 00	8	1	1			
		eL	18.8	14					
		ME	22 08	12		1			
		MN	22 17	12	1				
		F	12 55						
63	" 8	eP?	21 00 31						
	9	eL	41.2	46					
		MN_1	22 59 46	24	2				
		MN_2	23 02 35	24	2				
		F	1 00						
64	" 10	e(PR_1?)	3 58 46	9	1				
		eS	4 02 22	8	2	1			
		eL	04.5	22					
		ME_1	04 47	12		8			
		ME_2	06 35	12		12			
		MN_1	07 31	12	9				
		MN_2	10 54	12	4				
		MZ_1	19 14	12			1		
		MZ_2	20 37	12			1		
		F	6 40						
65	" 10	eP	10 48 54	4				530	Felt in Melbourne
		eS	49 52	4	1	2		(4.6°)	and Hobart.
		ME_1	50 17	4		21			h m s
		MN_1	50 27	4	26				0., 10 47 39
		MZ	50 31	6			12		
		M_2	50.7	6	18	19			
		F	11 05						h m s
66	" 11	eP	12 24 09	4	2	1		2610	0., 12 18 47
		eS	28 23	16	5	2		(23.5°)	
		PS	28 44	16	18	16			
		eL	30.7	28					
		MN_1	31 30	16	25				
		ME_1	32 16	16		18			
		MN_2	32 34	16	27				
		ME_2	33 14		18				
		F	14 20						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	h m s
67	Apr. 11	eP	15 49 12	4	1	1		2660	0., 15 43 54
		eS	53 30	8	2	2		(23.9°)	
		eL	55.9	20					
		MN_1	57 38	16	9				
		ME	58 18	16		9			
		F	16 35						
68	" 13	e?	10 54.6	4		1			
		eL	57.9	?					
		ME	59 12	10		1			
		MN	11 00 24	10	1				
		F	11 30						
69	" 16	e(L?)	14 05.1	22					
		ME	11 51	16		2			
		MN	12 01	16	2				
		F	14 50						
70	" 22	eP	21 01 46	4				2510	h m s 0., 21 56 34
		eS	05 52	?				(22.6°)	
		i	06 31	8	+5	-5			
		eL	07.1	13					
		MN	07 27	11	5				
		ME	07 37	?					
		F	22 15						
71	" 23	e	0 54.7						A few long waves.
		MN	55 50	16	1				
72	" 24	e(P?)	21 40 58	7					
		e(S?)	48 38	9	3				
		eL	53.4	16					
		ME_1	58 02	14		1			
		MN_1	58 37	14	1				
		ME_2	22 01 21	12		1			
		MN_2	05 00	14	1				
		MN_3	07 35	14	1				
		F	22 45						

(Continued onn next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	h m s
73	Apr. 25	eP	21 24 31	4	1	1		2570	0., 21 19 13
		PR_1	25 39	4	6	4		(23.1°)	
		eS	28 42	8	1	1			
			29 21	10	29	30			
		eL	29.7	14					
		ME_1	30 01	10		17			
		MN_1	30 10	10	27				
		ME_2	31 19	10		24			
		ME_3, MZ_1	32.9	13	33	10			
		MN_2	33 06	13	66				
		ME_4	33 46	12		47			
		MN_3	35 02	12	19				
		ME_5	35 57	12		21			
		MZ_2	36 43	12			6		
		MN_4	36 54	12	36				
		MN_5	38 31	12	20				
		F	Lost in No. 74						h m s
74	" 25	eP	21 45 22					2460	0., 21 40 16
		eS	49 24	8	2	9		(22.1°	
		PS	49 46	8	31	18			
		MN_1	53 31	14	45				
		ME_1	56 02	12		24			
		MN_2	56 31	14	53				
		MZ	56 53	14			8		
		ME_2	58 23	10		15			
		MN_3	59 09	12	34				
		ME_3	59 29	12		19			
		CE_1^3	22 03 09	12		12			
		CN_1	04 02	12	23				
		CN_2	10 35	9	8				
		CE_3	11 02	10		8			
		F	Lost in No. 75						
75	" 26	e(S?)	0 13 13	?					
		eL	16.6	18					
		ME	17 17	15		1			
		MN	21 15	13	1				
		F	1 20						
76	" 26	e	1 47.0						A few long waves.

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_Z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
77	Apr. 26	e?	4 11.2	4					
		eL	40.3	20					
		MN_1	44 22	18	2				
		MN_2	48 00	16	4				
		ME_1	49 54	16		1			
		MN_3	52 31	17	4				
		ME_2	55 31	16		3			
		MN_4	5 04 52	14	2				
		ME_3	05 39	16		2			
		F	7 24						
78	" 28	eP	6 39 04					2780?	
			39 54	8		2			
		e(S?)	43 31	8	-	2			
		eL	46.5	24					
		MN_1	47 50	13	6				
		MZ_1	47 59	12			3		
		ME_1	48 17	20		15			
		MN_2	52 28	12	6				
		ME_2	54 31	13		5			
		F	9 12						
79	" 28	e(S?)	8 16 02	8					
		eL	21.1	?					
		MN	22 58	12	1				
		ME	24 02	14		1			
		F	9 10						
80	" 29	eP	11 04 13	4	2	1		2660	h m s 0., 10 58 46
		eS	08 31	8	1	-		(23.9°)	
		eL	10.9	20					
		M_1	11.5	10	3	3			
		ME_2	12 13	8		2			
		MN_2	13 37	10	3				
		F	12 00						

E. F. Pigot S.J.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	1	154	8.8	4.8	0.02
	3	115	9.0	3.2	0.02
A_E	1	162	8.4	2.8	0.02
	3	154	9.5	3.3	0.05
A_Z	2	81	5.2	3.6	0.09

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
81	May 1	eP	11 55 30					7480?	
		e(S?)	12 04 24						
		eL	02.2	18					
		ME_1	03 21	16		4			
		MN_1	03 37	16	7				
		MZ	05 07	16			6		
		ME_2	06 25	14		5			
		MN_2	10 49	12	4				
		ME_3	13 04	14		3			
		F	13 40						
82	" 1	e	15 58.9						
		M	16 01.2	12	1	1			
		F	16 20						
83	" 2	eL	11 46.5	20					
		MN_1	48 17	18	5				
		ME_1	53 49	18		4			
		MN_2	54 42	18	7				
		ME_2	55 30	18		4			
		MN_3	59 04	16	4				
		ME_3	59 36	16		3			
		F	12 50						
84	" 3	e?	16 29.5						
		eL	40.5	20					
		MN	43 13	18	6				
		ME	43 22	18		5			
		F	17 40						h m s
85	" 4	eP	9 25 06					8730	0., 9 12 56
		eS	35 05	?				(78.6°)	
		eL	47.2	?					
		MN_1	54 34	20	6				
		ME_1	56 12	20		6			
		MN_2	10 00 00	16	5				
		ME_2	03 34	16		5			
		MN_3	11 12	15	3				
		ME_3	13 42	16		5			
		MN_4	15 57	16	4				
		ME_4	20 30	16		4			
		CN_1	26 16	14	3				
		CE	27 45	14		2			
		CN_2	32 49	16	4				
		F	11 50						

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Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	s.	μ	μ	μ	km.	
86	May 5	e	14 00 02						
		e(S?)	05 01						
		eL	08 0 ?						
		ME	10 16	16		3			
		MN	11 50	14	2				
		F	14 35						
87	" 6	e	20 54.6	18					A few long waves.
88	" 6	e?	21 24.5						
		e(S?)	27.5						
		eL	28.3	16					
		ME	28 38	14		5			
		MN	30 49	12	3				
		F	25 35						
89	" 9	e	13 35.9						
		e	37.3	5	1	2			
		eL	38.2	14					
		ME_1	38 53	13		4			
		MN_1	40 11	14	5				
		ME_2	41 02	14		5			
		MN_2	44 41	12	4				F lost in No.90
90	" 9	eP	13 57 50	2				4170?	Perhaps double?
		e(S?)	14 03 47	4	5	3			
		PS?	04 21	6	2	7			
		e(SR_1?)	06 29	8	7	3			
		e(L?)	09.8	16					
		ME_1	12 09	11		11			
		MN_1	12 13	11	22				
		ME_2	14 01	12		14			
		MN_2	14 22	12	38				
		MZ	17 30	10			4		
		ME_3	17 53	10		10			
		MN_3	18 29	8	14				
		F	15 35						h m s
91	" 10	eP	9 30 08					5900	0, 9 20 41
		eS	37 39	8	1	1		(53.1°)	
		eL	46.1	18					
		MN_1	47 12	16	4				
		MN_2	50 08	12	1				
		ME	50 49	14		3			
		F	11 10						
92	" 11	e	1 21.9						
		eL	27.6	26					
		MN_1	29 09	20	3				
		ME	34 55	18		2			
		MN_2	36 49	18	4				
		F	3 30						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

$\phi = 33° 49' 49''$ S. $\lambda = 151° 9' 30''$ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1922		h. m. s.	₴	μ	μ	μ	km.	h m s
93	May 11	iP	9 19 41	4	+1	+3		2240	0, 9 15 00
		i	19 45	4	-6	-10		(20.1°)	
		ePR2	20 20	6	6	4			
		eS	23 25	?					
		eL	24.3	28					
		MN_1	25 34	23	56				
		ME_1	26 13	20		60			
		MN_2	27 00	14	95				
		ME_2	29 40	12		20			
		MN_3	29 53	12	61				
		MZ_1	30 48	12			6		
		MZ_2	33 31	14			12		
		ME_3	34 00	14		21			
		MN_4	35 23	12	20				
		MZ_3	36 43	13			7		
		ME_4	38 07	13		10			
		CE_1	45 45	12		8			
		CN_1	45 53	12	7				
		CE_2	53 16	12		4			
		CN_2	53 34	12	7				
		F	11 10						
94	" 12	eL	8 23.0	22					
		MN	26 01	18	5				
		ME	26 08	18		2			
		F	8 45						
95	" 12	iP	18 44 10	10	+7	+11	-4	2330	Rarefaction.
			44 21	10	10	16		(21.0°)	
		iPR2	44 48	8	-17	-21	6		Computed azimuth (from iP), N.58°E., whence φ, 20½°S., λ, 170°E.
		iS	48 02	11	-29	-47			
		i	48 19	11	+56	+150	+92		
		eL	49.2	24					
		ME_1 / MZ_1	50.2	22		220	88		
		ME2	51 29	15		150			
		MN_1	52 15	13	132				
		ME_3	53 36	14		110			
		MZ2	53 52	15			47		h m s 0, 18 39 17
		MN_2	54 14	12	84				
		ME_4	56 10	13		67			
		MN_3	57 21	12	52				
		ME_5	59 41	13		77			
		MZ_3	19 03 35	12			28		
		MN_4	03 46	12	62				
		ME_6	04 10	12		65			
		MN_5	08 45	12	33				

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Riverview College Observatory,

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SEISMOLOGICAL BULLETIN.

ϕ=33° 49′ 49″ S. λ=151° 9′ 30″ E. h=41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks.
	1922								
95	May 12	ME_7	19 08 52	12		39			
(Cont.)		CE_1	15 48	12		24			
		CN_1	16 33	12	25				
		CZ	17 47	12			12		
		CE_2	19 29	11		20			
		CN_2	23 18	12	10				
		CE_3	30 16	12		5			
		CN_3	29 29	12	8				
		F	22 05						
96	" 12	e	23 59.2	16					A few long waves.
97	" 13	e	0 26.8	20					" " " "
98	" 13	e	1 24.8	?					" " " "
99	" 13	e	3 18.9	4					
		e(S?)	21 39	10					
		eL	24.0	16					
		ME	26 18	12		1			
		MN_1	26 40	12	6				
		MN_2	29 32	11	5				
		F	4 20						h m s
100	" 17	eP	6 31 18					2510	0, 6 26 07
		eS	35 24	6					
		PS	35 32	6					
		eL	36.5	16					
		ME_1	38 14	15		4			
		MN	38 29	14	5				
		ME_2	39 55	14		3			
		F	7 15						
101	" 21	e?	5 24.3						
		e	27.6	12					
		e(L?)	34.7	16					
		ME	37 40	?					
		MN	37 54	?					
		F	5 55						
102	" 22	e	17 08.2						
		eL	12.1	28					
		MN_1	15 23	22	14				
		ME_1	15 36	20		12			
		MN_2	19 36	12	1				
		ME_2	19 49	12		2			
		F	18 00						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

$\phi = 33° 49' 49''$ S. $\lambda = 151° 9' 30''$ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

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2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	$\epsilon : 1$	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	~~1922~~		h. m. s.	s.	μ	μ	μ	km.	
103	May 24	e(P?)	8 01 29					3410?	
		eS	06 40						
		eL	09.4	26					
		ME_1	11 25	18		9			
		MN_1	12 58	16	9				
		ME_2	13 57	13		7			
		ME_3	17 23	11		3			
		MN_2	17 46	12	3				
		F	9 50						
104	" 24	eP	9 00 31					3430?	
		e(S?)	05 44						
		eL	08.3	20					
		MN	11 13	12	2				
		ME	11 46	14		3			
		F	9 50						
105	" 25	e	10 59.0						
		MN	03 46	?					
		ME	07 01	?					
		F	11 25						
106	" 28	e	0 09.4						
		eL	16.3	20					
		MN_1	18 18	16	3				
		MN_2	21 04	12	2				
		ME	22 41	16		2			
		F	1 00						
107	" 28	e	4 35.1						
		e(S?)	37 45						
		eL	39.5	18					
		MN	41 50	14	2				
		ME_1	42 18	16		2			
		ME_2	45 09	15		3			
		F	6 10						
108	" 28	e	13 40.9						
		MN	42 38	12?					
		F	13 50						
109	" 29	e	11 37.4	3					
		eL	40.7	16					
		ME_1	42 28	9		7			
		MN_1	43 53	10	5				
		ME_2	44 28	8		5			
		MN_2	46 55	8	7				
		F	12 30						

E. F. Pigot Jr.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

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INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	159	6.8	5.6	0.02
	(3)	113	9.0	3.3	0.02
A_E	(1)	170	8.2	3.0	0.02
	(3)	141	10.1	2.8	0.05
A_Z	(2)	86	5.1	3.4	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ.	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
110	June 2	eP[illegible]	20 20 16	6				5260	
		iPN	20 20	6	-3½			(47°3)	
		iE	20 22	6		-1½			
		ePR$_1$N	22 04	6	3				
		[illegible]	22 13	[illegible]	5	1½			
		eS[illegible]	27 06	10	3½	2½			
		iN	27 13	10	-6				
		iE	27 15	10		-5			
		eSR$_1$	30 12	8	4	2			
		[illegible]	30 45	10	23	15			
		eL[illegible]	32.9	20					
		[illegible]	39 46	16		31			
		[illegible]	40 03	16?	147				
		[illegible]	45 57	18	-		14		
		[illegible]	21 07 15	14		3			
		[illegible]	09 09	16	4				
		[illegible]	22 00						
111	* 12	eL[illegible]	05 38 50	28					
		[illegible]	06 20						
112	* 12	e(P)[illegible]	12 40 23	3	½	½			
		[illegible]	41 11	6	1½	2			
		eL	44.0	15					
		[illegible]	44 19	12		4			
		[illegible]	44 29	12	3				
		[illegible]	12 50						
113	* 12	e	14 57.5	18					A few long waves.
114	* 17	eL	03 01.5	20					
		[illegible]	02.2	14	3	3			
		[illegible]	03 15						
115	* 18	e(P)N	22 38.6	4					
		[illegible]	40 11	5	3	2			
		e(L)	44.9	12					
		[illegible]	45 59	8		½			
		[illegible]	46 02	8	1				
		[illegible]	23 00						
116	* 20	eL	10 32.5	20					
		[illegible]	34 26	20	6				
		[illegible]	35 34	?					
		[illegible]	10 35						
117	* 20	eP	15 02 30	4					
		[illegible]	10 04	10		½			
		[illegible]	10 16	11	1				
		[illegible]	15 20						

(Concluded on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude.			Δ	Remarks.
					A_N	A_E	A_Z		
	1922		h. m. s.	s.	μ	μ	μ	km.	
118	June 21	e(S)	06 58.1	8					
		eL	07 01.2	13					
		ME	03 14	13		2			
		MN	05 04	12	3½				
		F	07 25						
119	" 24	$e(P)_N$	16 36 25	4					
		$e(S)_N$	43 13	8					
		SS_{ME}	46 52	8	1	1			
		eL_N	52.2	20?					
		ME	57 31	16		2			
		MN	57 57	15	2				
		F	17 15						
120	" 24	eP?	21 45.1	4					
		e	50.0	8					
		eL	51.6	20					
		MN	54 25	12	2				
		ME	54 58	12		2			
		F	22 50						
121	" 27	eS	13 41 51	8					
		eL	44.9	16					
		ME	45 22	13		3			
		MN	46 12	13	4				
		F	14 15						
122	" 27	eP	14 38 12	4				5420	
		PR_1	40 14	4		1½		(48°8)	
		eS	45 12	9	3	2			
		eSR_1	48 20	10		2½			
		m	48 46	10	6	3			
		eL	51.6	20					
		ME	56 24	16		5			
		MN	57 41	16	5				
		F	16 10						
123	" 28	e(P)	00 53 55						
		eL	55.4	13					
		MN	57 12	10	1½				
		ME	57 50	10		1½			
		F	01 10						

1922, July.

Riverview College Observatory

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SEISMOLOGICAL BULLETIN

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ:1	$\frac{r}{T_o^2}$
A_N	(1)	154	8.9	4.9	0.02
	(3)	119	9.0	3.3	0.02
A_E	(1)	168	8.1	3.6	0.02
	(3)	159	10.0	3.2	0.05
A_Z	(2)	81	8.1	3.9	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
124	July 2	e?	13 47 29						
		eScPcS	14 00 01	8	2				
		eS_E	00 55	8		2			
			01 18	8	3	4			
		eSR_1	07 35	20					
		m	07 58	22		8			
		m	08 12	22	7				
		eL$_{EE}$	18.6	26					
		eL$_{EN}$	20.4	24					
		MN	24 46	24	12				
		ME	27 06	24		15			
		CE	45 27	16		2			
		CN	52 39	18	5				
		eW_2	15 31.8						
		ME	34 22	20		3			
		F	16 10						
125	" 4	e?	05 10.4						
		e(L)	24.4	20?					
		MN	27 47	12	2				
		ME	28 01	12		2			
		F	05 50						
126	" 5	e?	21 01.5						
		e	10.9						
		MN	13 54	13	1				
		ME	17 46	14		2			
		F	21 45						
127	" 6	eL	23 09.1	20					
		ME	10 50	14		4			Heavy microseisms.
		MN	11 54	12	4				
		F	23 30						
128	" 13	e_N	01 25.5	5					
		eL	26.7	20					
		MNE	27.3	18	9	15			
		F	02 15						
129	" 13	eP	05 09 27	5					
		eS	17 26	6	3	2		6470	
		PS	18 26	8	3	2½		(58°2)	
		eL	24.7	24					
		MN	29 34	20	15				
		ME	30 30	16		10			
		F	06 15						
130	" 13	e	05 13.8	16					A few long waves.

(Concluded on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	Amplitude. A_E μ	Amplitude. A_Z μ	Δ km.	Remarks.
	1922								
131	July 14	eL	03 47.7	25					
		MN	50 16	15	5				
		ME	55 26	15		3			
		F	04 55						
132	" 15	eL	20 54.0	21					
		ME	55 47	19		3			
		MN	56 28	12	2				
		F	21 25						
133	" 18	eL	09 07.3						
		MN	09 55	13	1				
		ME	10 13	13		1			
		F	09 20						
134	" 20	eP	08 38 44	6				2130	
		iN	38 53	4	-2			(19°.2)	
		eS	42 14	5		-2			
		eL	42.8						
		MN_1	44 45	6	2				
		ME	45 33	9		3			
		MN_2	50 26	15	5				
		F	09 40						

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No.

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2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	157	9.0	4.6	0.02
A_E	(3)	117	9.0	3.0	0.028
	(1)	166	8.3	3.3	0.02
A_Z	(1)	166	9.6	2.7	0.05
	(2)	80	5.2	3.5	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
135	Aug. 3	eP	09 46 21					2780	
		iS_N	50 34	4	-8			(25°0)	
		i_{NE}	50 47	6	+8	-10			
		iN	51 13	5	+14				
		eL	52.2						
		MN	53 30	15	11				
		ME	56 17	12		5			
		F	10 50						
136	" 7	eP_N	12 29 07						
		ePR_1N	30 19	6				3860	
		eS_N	34 34	5				(34°7)	
		eN	37 23	10					
		ME	39 21	8		-6			
		eL_E	40 51	27					
		ME	44 21	12		14			
		MN	45 21	12	12				
		F	14 15						
137	" 11	e	14 15 19						
		eL	21.1						
		MN	22 10	26	5				
		F	15 00						
138	" 11	eL	21 04.4						
		MN	05 25	15	2				
		ME	05 57	10		1			
		F	21 30						
139	" 13	eN	00 32 55	7					
		e	51 15						
		eL	01 10.5	39					
		MN_1	18 52	30	14				
		ME_1	21 28	29		15			
		ME_2	29 34	20		16			
		ME_3	36 52	18		10			
		F	03 05						
140	" 16	e	05 38 33	8					
		MN	41 22	15	1				
		F	05 50						
141	" 16	$e(P)_1$	06 36 32						
		eE	40 48	8					
		eN	41 33	4					
		eN	42 04	6					
		eLN	43.7	23					
		MN	44 39	13	3				Short periods superimposed.
		ME	46 06	6		2			
		F	07 05						

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RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude.			Δ	Remarks.
					A_N	A_E	A_Z		
	1922		h. m. s.	s.	μ	μ	μ	km.	
142	Aug. 16	$eP?_N$	16 09 10						
		e_N	09 20					84°	
		eS_N	19 29	12					
		eSR_{1N}	25 08	26					
		eL	32.8	34					
		MN_1	39 31	29	26				
		MN_2	43 20	22	18				
		F	18 17						
143	" 18	eL	00 48.8	19					
		MN	50 24	13	4				
		F	01 10						
144	" 18	e_N	20 42 55	19					
		eL_N	46.9	29					
		ME	48 43	19		8			
		MN	49 28	18	9				
		F	22 21						
145	" 25	eL_E	02 30.4	18					
		MNE	32 30	16	2	2			
		F	03 10						
146	" 25	eP_N	11 49 00					2765	
		ePR_{1N}	49 33	4				(24°9)	
		eS_N	53 21	16					
		e_N	54 53	19					
		eL_N	55 08	24					
		i_E	56 20	15		+21			
		MN	56 49	17	24 32				
		ME	59 13	17		22			
		F	13 23						
147	" 26	eP_N	02 25 27					3165	
		ePR_{1N}	26 12	5				(28°5)	
		e_{NE}	26 45	4					
		eS_{NE}	30 11	6					
		i_{NE}	30 21	7	-13	+4			
		e_E	31 08	7					
		eL_E	33.3	23					Superimposed on long waves on East are large waves of 8s. period.
		ME	34 20	20		45			
		MN	34 58	19	28				
		ME_2	38 25	9		6			
		F	03 50						
148	" 26	eP	06 31 21					2890	
		eS_N	35 48	11				(26°0)	
		eL_N	37.9	16					
		ME	40 38	17		11			
		MN	42 47	13	7				
		F	08 15						
149	" 29	$e(S)_N$	17 17 57	17					Heavy microseisms.
		$e(SR_1)_N$	22 09	15					
		eL_E	25.4	30					
		ME	34 20	19		16			
		MN	35 24	20	19				
		F	18 30						
150	" 30	$e(S)_N$	09 02 26						
		eL	03.6						
		ME	04 32	9		1			
		MN	08 43	12	1				
		F	09 25						
151	" 30	e	10 46 15	7					
		eL_N	56.1	19					
		MNE	57 35	21	6	10			
		F	12 07						

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N (1)	152	9.0	4.6	0.02
(3)	117	9.0	3.8	0.02
A_E (1)	164	8.2	3.5	0.02
(3)	151	9.5	3.0	0.05
A_Z (2)	75	5.3	4.9	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
152	1922 Sept. 1	iP_{NEZ}	19 26 41	6	+2½	-1	-½	7200 (64°9)	Destructive in North Formosa.
		$e(PR_2)$	31 14	8					
		iS_{NE}	35 18	10	-32	+21			
		$i(PPS)_N$	36 01	17	+64				
		eSS	39 16	9					
		m_N	39 27	8	16				
		e_N	42 18	13					
		e_E	42 37	16					
		m_N	42 48	10	20				
		e_E	45 37	19					
		ME_1	46 47	17		62			
		MN_1	49 53	19	45				
		ME_2	51 43	22		140			
		MZ	52 42	23			49		
		MN_2	54 03	23	100				
		eV_2N	21 48 31						
		ME	59 18	21		4			
		MN	22 02 01	22	4				
		F	22 16						
153	" 2	$e?_N$	17 32.8						
		e_E	37 50	12					
		e_N	41 13	7					
		eL	45.5	22					
		ME	50 31	17		7			
		MN	50 55	17	4				
		F	18 04						
154	" 2	e_N	20 31 16						
		MN	33 30	13	3				Beginning lost in adjusting instrument.
		F	21 10						
155	" 5	$e?_E$	02 36 38	7					
		e_{NE}	38 35	7					
		eL_E	43.7	19					
		ME	48 32	15		12			
		MN	50 35	13	8				
		F	03 46						
156	" 6	$e?_N$	01 35.0						
		MN	41 07						
		F	02 05						
157	" 8	e_N	12 31 48						
		MN	35 08	15	2				
		F	12 50						
158	" 10	e_N	05 14 37	9					
		eL_E	15.8	16					
		ME	17 35	15		5			
		F	05 40						

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RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude.			Δ	Remarks.
					A_N	A_E	A_Z		
	1922		h. m. s.	s.	μ	μ	μ	km.	
159	Sept.11	e_N	12 52 59						
		e_N	55 41						
		MN	56 30	13	3				
		i_E	58 09	7		3			
		F	13 20						
160	" 11	eS_E	14 58 35	10					
		eSR_1	15 01 49	12					
		eL_E	05.5	29					
		MN	10 23	21	19				
		ME	11 02	17		12			
		F	15 45						
161	" 11	e_N	20 18 42						
		MN	20 03	13	2				
		F	20 35						
162	" 11	e_N	20 43 30	15					
		MN	45 58	16	2				
		F	Lost in No.163						
163	" 11	eL	21 02.8						
		MN	06 30	12	3				
		F	21 25						
164	" 14	eS_E	19 50 53	10					Large microseisms. Formosa.
		eSR_1	54 53	10					
		eL_E	20 01.8	29					
		ME_1	03 48	25		52			
		ME_2	07 40	23		34			
		MN	10 38	20	17				
		F	20 45						
165	" 16	e_N	23 03 48						
		eL_E	14.6	26					
		ME	16 44	23		13			
		MN	23 37	18	7				
		F	23 50						
166	" 17	$e?_E$	03 15 46						
		e_{NE}	19 31	7					
		eL_E	20.9						
		ME	23 05	17		5			
		F	03 30						
167	" 17	$e?_N$	07 52 07						
		eL_E	53.0						
		ME_1	54 51	24		5			
		MN	58 56	20	8				
		ME_2	08 01 40	19		8			
		F	Lost in No.168						
168	" 17	ME	08 31 19	18		3			
		F	08 45						
169	" 17	e_N	10 18 34						
		e_N	25 52	13					
		eL_E	29.4	22					
		MN	37 38	20	6				
		ME	38 04	18		8			
		F	11 15						

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No. 10 1922, October.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	154	9.0	4.2	0.02
	(3)	124	9.0	3.4	0.02
A_E	(1)	163	8.4	3.7	0.02
	(3)	139	9.5	2.3	0.05
A_Z	(2)	84	5.2	3.5	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
170	Oct. 1	eL_N	17 58.0	29					
		MN	59 24	15	2				
		F	18 45						
171	" 5	eP_N	05 21 32	2				4665	
		ePR_1N	23 13	3				(42°0)	
		eSR_1	30 40	6					
		eL_N	36.9	24					
		ME	40 03	21		17			
		MN	41 57	19	15				
		F	06 14						
172	" 9	$e?_N$	08 34 11						
		eL_E	44.5	25					
		ME	45 54	23		8			
		MN	47 05	16	3				
		F	09 00						
173	" 11	e_N	06 19 46	10					
		eL_N	33.9	23					
		MN	36 12	14	4				
174	" 11	$e?_E$	15 09 13	12					
		iScPcS	15 13	7	+5	-4			
		iPS	18 48	8		-4			
		e_E	18 58	12					
		eSR_1N	25 09						
		e_E	30 15	15					
		eNE	33 32	15					
		eN	35 28	11					
		eL_N	37 23	40					
		eL_E	42.0	29					
		MNE_1	43 52	26	24	32			
		MN_2	52 54	16	9				
		ME_2	53 52	16		16			
		$eV_2?_N$	16 39.1	39					
		ME	53 59	22		7			
		MN	55 41	26	14				
		F	17 30						
	15	eS_E	00 06 01	8					
		eL_E	18.2	28					
		MNE	22 27	21	16	20			
		F	01 15						

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RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	Amplitude. A_E μ	Amplitude. A_Z μ	Δ km.	Remarks.
	1922								
176	Oct.18	eL	07 47.8						
		MNE	48 17	11	2	2			
		F	07 55						
177	" 24	eP_N	21 33 12						
		iS	43 13	6	+5½	+22			
		i_E	43 55	6		+18			
		e_E	47 55	12					
		eL_E	54.6	38					
		ME_1	54 59	36		68			
		ME_2	57 01	14		13			
		e_N	57 31	14					
		eL_N	59.0	23					
		MN_1	22 01 46	22	41				
		MN_2	08 57	19	25				
		ME_3	10 02	18		14			
		F	23 06						
178	" 27	eS?	14 41 51						
		eL_E	54.3	38					
		eL_N	57.6	22					
		MN	15 00 07	19	19				
		ME	00 52	18		12			
		F	15 20						

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No. 11 1922, November.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ:1	$\frac{r}{T_o^2}$
A_N	(1)	155	7.5	3.4	0.02
	(3)	124	9.9	3.4	0.02
A_E	(1)	163	8.5	3.2	0.02
A_Z	(3)	139	9.5	2.3	0.05
	(2)	84	5.2	5.5	0.09

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
179	1922 Nov. 3	eE	13 01 57						
		iN	03 43	4	4½				
		iN	04 26	5	4½				
		ME	08 08	5		10			
		MN	08 21	6	11				
		F	13 40						
180	" 7	eL	17 58.7	18					
		MN	18 02 04	12	4				
		F	Lost in No. 181						
181	" 7	e?N	18 23 40						
		eN	30 12						
		eL	35.4	30					
		MN1	38 03	17	29				
		ME1	38 19	14		7			
		MN2	41 47	11	10				
		ME2	48 15	12		11			
		F	19 46						
182	" 7	e?N	23 25 26						
		eN	28 21	10					
		eN	34 32						
		eL	45.0	50					
		MNE1	54 50	21	9	7			
		MNE2	57 12	17	15	8			
		F	01 35						
183	" 11	eN	04 47 01	7					
		e	50 20	8					Destructive earthquake in Chile.
		i(ScPcS)	57 12	12	-16	+16			
		iNE	58 01	12	-48	+23			
		e(PS)	05 00 57	20	80	90			
		MNEZ	01 29	20	160	135	50		
		eNE	06 00	37	230	225			
		MNE	06 53	37	556	880			
		eL	17.5	100					
			18 12	100	10,400	10,000			
		MZ1	23 48	21			200		
		ME1	23 57	20		165			
		MN1	24 12	20	175				
		MN2	28 50	18	200				
		ME2MZ2	29.5	17		260	150		
		ME3	47 43	15		175			
		MN3MZ3	47.9	15	175		175		
		eNE	06 19.8	110	1750	2400			Anomalous long wave
		eN2	39.5	35?					
		ME	41 26	30		82			

(Concluded on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
183 (Cont.)	Nov. 11	MN	06 41 37	30	135				
		e_{NE}	07 49.3	130	780	1000			
		eW_3	08 21.0	19					
		ME	21 37	16		2			
		MN	22 29	16	4				
		F	10 50						
184	" 11	e	18 34 24	8					Aftershock of No.183
		e	37 35						
		e	43 39	20					
		eL	58.9	30					
		ME	19 04 52	18		6			
		MN	09 24	16	10				
		F	20 30						
185	" 14	eP_N	19 18 40	6				2610	
		eS_E	22 48	8				(23°.5)	
		eL_E	24.4	21					
		MN_1	25 37	20	8				
		ME_1	26 23	10		2			
		ME_2	27 26	8		2			
		MN_2	29 28	10	3				
		F	19 57						
186	" 15	eL	04 54.2	12					
		MN	57 03	13	3				
		F	05 25						
187	" 17	$e?_N$	11 26 49						
		e_E	28 01	7					
		e_N	31 21	9					
		e	36 45	16					
		eL	47,6	45					
		MN	59 41	17	8				
		ME	12 01 15	17		8			
		e	49.2	60					
		F	13 40						
188	" 19	e_N	18 33 50						
		eL	37.2						
		ME	38 58	13		2			
		F	18 45						
189	" 20	eP_E	21 37 07	4				2510	
		e_E	38 14	5				(22°.6)	
		iS_N	41 08	8	-4				
		i_E	41 10	8		+5½			
		i_N	41 31	8	+6				
		eL	42.8	18					
		ME	44 43	14		5			
		MN	44 56	12	8				
		F	22 18						
190	" 22	$e?_N$	14 46 24						
		e_E	59 34						
		eL	15 04.2	23					
		ME	08 25	20		6			
		MN	08 43	12	2				
		F	15 22 5						

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Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

ϕ = 33° 49′ 49″ S. λ = 151° 9′ 30″ E. h = 41·9 m. Foundation: Triassic sandstone.

INSTRUMENTS:

1. Wiechert Astatic Pendulum Seismometer (1000 kilo.) (NS, EW)
2. Wiechert Vertical Seismometer (80 kilo.)
3. Mainka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. **Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)**

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	(1)	157	7.5	3.5	0.018
	(3)	121	8.6	4.0	0.02
A_E	(1)	168	8.5	3.8	0.02
	(3)	139	9.2	7.8	0.03
A_Z					

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
191	Dec. 1	e	23 39 49	9					
		eL	45.9	23					
		ME	47 19	19		8			
		MN_1	47 29	19	11				
		MN_2	51 15	7	2				
		F	24 32						
192	" 3	e	00 19 51	6					
		eE	23 39	8					
		iE	23 50	7		-4			
		eL	25.4	16					
		MN	28 15	12	6				
		ME	43 08	11		2			
		F	01 20						
193	" 5	eLE	06 37.2	20					
		ME	38 17	19		5			
		F	06 50						
194	" 5	eLE	07 40.2	17					
		MNE	40.8	17	6	8			
		F	08 10						
195	" 6	eE	14 12 54	5					
		e(PR)E	13 56	4					
		eE	17 47	4					
		e	19 22	10					
		i(S)E	21 01	6		-3			
		iE	23 35	6		-5			
		e	27 42	10					
		eLE	41.6	26					
		ME	43 49	13		1			
		MN	44 15	17	8				
		F	15 15						
196	" 8	eE	12 44 59	[illegible]					
		eLN	47.5	22					
		MN	49 15	14	7				
		ME	50 05	17		2			
		F	13 10						
197	" 8	e	18 45 42	12					
		eL	49.3	21					
		ME	50 46	18		7			
		MN	51 25	19	14				
		F	19 10						
198	" 8	eSE	22 54 27						
		eE	54 54	6					
		eL	23 05.4	32					
		MNE	12.9	21	18	7			MNE from Mainka, (during change of Wiechert records).

(Concluded on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1922								
199	Dec.14	ePN	23 10 11					3555 (32°.0)	
		ePR_1	11 02	5					
		eN	12 54	7					
		iS_{NE}	15 20	6	+4	+4			
		eSR_1	17 35	10					
		e	18 23	9					
		mNE	18 37	7	-14	-14			
		eLN	20.3	23					
		ME_1	21 48	17		152			
		MN_1	22 22	16	85				
		ME_2	24 55	11		185			
		MN_2	27 05	10	62				
		MZ	30 44	9					
		F	01 20						
200	" 23	e	15 08 39						
		e	09 37	6					
		eL	14.3	15					
		MNE	15.2	12	5	4			
		F	15 55						
201	" 23	ePE	22 01 42						
		ePR_1	02 55	5					
		eL	09.6	17					
		ME	15 11	16		25			
		MN	15 14	13	15				
		F	23 40						
202	" 25	$iPNE$	03 37 35	4	+2	-3		2165 (19°.5)	Severely felt in New Zealand (South Island).
		mNE	37 51	5	11	18			
		iE	38 14	5		+1½			
		iS_{NE}	41 11	7	+4	+6			
		mNE	41 35	5	41	34			
		eL	42.1	16					
		MNE_1	43.1	12	85	64			
		MZ	44 12	13			5		
		MN_2	45 16	12	41				
		ME_2	45 35	12		45			
			05 50						
			16 12 43	4					
			15 53	14					
			17.8	18					
			17 58	13	3				
			18 58	17		6			
			16 45						
			04 07 43	7					
			13.6	26					
			15 52	20		9			
			16 09	15	7				
			04 40						
		$eP?$	07 32 06						
		iS_{NE}	42 06	12	-12	-14		8890 (80°.0)	Large microseisms.
		eSR_1	47 12	24					
		eL_E	53.0	41					
		ME_1	53 46	41		65			
		eL_N	59.2	23					
		MN	59 36	23	28				
		ME_2	08 00 59	22		18			
		F	09 00						

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