No. 1

1925, 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.)

1925 - Jan. D

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N (1)	151	8.2	3.0	0.01
A_N (3)	125	8.8	3.2	0.04
A_E 1	169	7.9	4.2	0.01
A_E (3)	150	9.1	2.4	0.03
A_z 2	85	5.0	3.8	0.06

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1925		h. m. s.	s.	μ	μ	μ	km.	
1	Jan. 5	e	4 32.0	7	1				
		MN	35 28	12	1				
		ME	39 53	12		2			
		F	5 00						
2	" 7	e?	14 15.6						
		e(L?)	18.7	?					
		MN	20 10	12	2				
		ME	20 18	12		2			
		F	14 45						
3	" 7	iP	10 21 47	0.5?				70?	Felt slightly in neighbourhood of Sydney.
		iS	21 55	0.5?					
		F	10 22						
4	" 10	e(P?)	16 17.7	6					
		e(S?)	22.0	?					
		eL	23.2	16					
		MN	24 12	14	2				
		ME	26 13	14		1			
		F	17 00						
5	" 11	eP	11 04 30					3910 (35.2°)	h m s 0., 10 57 15
		eS	10 12	9	1	-			
		M	13.7	12	1	5			
		F	11 50						
5a	" 11	e?	13 27.6						
		eL	34.4	18					
		ME	36 36	14		2			
		MN	37 00	12	3				
		F	14 20						
6	" 11	e?	20 04.0						
		eL	08.2	14					
		MN	09 32	12	2				
		ME	10	25	16		3		
		F	20 40						
7	" 15	e	10 30.0						
		e(S?)	33 58	10	-	1			
		eL	36.4	14					
		ME_1	39 28	16		3			
		MN_1	39 49	15	5				
		MN_2	40 48	12	3				
		ME_2	43 14	16		4			
		F	11 40						

(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*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
8	Jan.15	e	17 00.8						Heavy microseisms.
		e(S?)	02 17	5	1	1			
		eL	04.5	22					
		ME_1, MZ_1	05.8	4	35	2			
		MN_1	06 03	9	49				
		ME_2	06 36	11		74			
		MN_2	06 41	11	68				
		MN_3, MZ_2	08.7	10	42		16		
		ME_3	10 13	8		21			
		ME_3	12 59	8		15			
		MN_4	14 03	8	12				
		F	17 55						
9	" 18	iP	12 18 10	4	+5	-		8850	Kurile Islands.
		iPR_1	21 45	6	+4	-		(79.6°)	
		iS	28 13	9	+2	+19			
			28 20	9	8	29			
		PS	28 41	9	12	26			
		eL	39.8	28					h m s
		ME_1	42 03	20		30			O., 12 05 53
		MN_1	46 11	24	12				
		MN_2	48 03	22	63				
		ME_2	48 55	18		31			
		MN_3, MZ_1	49.2	20	68		18		
		ME_3	51 03	19	28				
		MN_4	55 30	19	18				
		MZ_2	55 35	18			9		
		ME_4	56 30	17		12			
		MN_5	13 05 03	20	20				
		ME_5	05 37	18		15			
		CE_1	15 18	18		8			
		CN_1	15 26	17	7				
		CN_2	22 15	16	6				
		CE_2	23 11	16		4			
		eW_2	14 29.7	24					
W_2 series		MN	37 41	24	8				
		F	15 15						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

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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.
	1925		h. m. s.	s.	μ	μ	μ	km.	
10	Jan. 18	eP	20 20 40					3150?	
		e(S?)	25 34	6	2	1			
		eL	28.2	13					
		MZ	31 12	5			1		
		MN_1	31 50	5	19				
		ME_1	32 03	6		11			
		MN_2	33 53	6	15				
		ME_2	35 39	8		17			
		ME_3	37 33	7		8			
		MN_3	38 37	6	7				
		F	21 30						
11	" 20	e(P?)	19 57 08						
		eL	03.8	16?					
		MN	06 06	12	3				
		ME	07 15	?					
		F	19 25						
12	" 21	e(S?)	18 34.3	5	2				
		ME	35 44	12		1			
		MN	36 12	12	2				
		F	Lost in N°13						
13	" 21	eL	19 01.1	20					
		MN_1	02 17	20	3				
		ME	03 42	?					
		MN_2	05 23	16	3				
		F	19 45						
14	" 23	e(P?)	17 10 04	5	1	1			
		e(S?)	16 41	8	-	1			
		eL	20.2	14					
		MN_1	22 34	14	3				
		ME_1	22 50	14		2			
		MN_2	28 15	12	3				
		ME_2	28 20	12		2			
		F	18 13						
15	" 26	e?	17 19.2						
		eL	22.6	16					
		MN	25 56	12	2				
		ME	28 22	16		3			
		F	18 20						
16	" 26	e	12 56.6						
		e(S?)	13 01.1	7	1	-			
		MN	03 56	16	3				
		ME	04 48	?					
		F	13 35						

(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:

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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		(See last sheet)		
A_E				
A_Z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1925		h. m. s.	s.	μ	μ	μ	km.	
17	Jan. 26	e(L?)	16 11.1	?					
		ME	14 19	14		1			
		F	16 40						
18	" 26	e?	19 56.1						
		eL	20 01.4	26					
		MN_1	08 18	18	3				
		ME_1	08 00	17		2			
		MN_2	09 30	16	2				
		ME_2	10 54	16		2			
		F	20 45						
19	" 28	eP	4 17 22	5	1	-		8570	Kurile Islands.
		eS	27 11	8	3	2		(77.1°)	
			27 37	8	3	1			
		eL	37.6	24					
		ME_1	45 27	24		10			h m s
		MN_1	45 34	24	15				O., 4 05 20
		MZ	46 27	24			8		
		MN_2	53 59	18	8				
		ME_2	54 12	18		5			
		MN_3	5 00 50	16	7				
		ME_3	01 16	16		4			
		MN_4	07 03	18	8				
		ME_4	07 37	18		13			
		MN_5	17 19		16	7			
		ME_5	19 22	17		5			
		CN_1	28 52	16	33				
		CE	32 04	16		3			
		CN_2	34 11	14	21				
		F	7 45						
20	" 28	eL	8 27.6	?					
		ME	28 56	10		1			
		MN	29 43	10	1				
		F	9 20						
21	" 30	e(S?)	17 52.1	9	1	1			
		e(L?)	58.4	?					
		ME	18 08 52	16		3			
		MN_1	11 24	20	1				
		MN_2	16 52	20	1				
		F	17 50						

Edward F. Pigot S.J.

No. 2

1925, February.

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)	161	8.0	3.3	0.0
(3)	122	8.8	2.9	0.03
A_E (1)	168	7.9	4.0	0.01
(3)	153	9.0	2.4	0.03
A_z (2)	82	5.0	3.2	0.07

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1925		h. m. s.	s.	μ	μ	μ	km.	h m s
22	Feb. 1	eP	5 45 49 3	3	1	-		8670	0., 5 23 42
		eS	45 43 10		1	3		(78.0°)	
		PS	46 45 12		2	2			
		eL	57.4 22						
		ME_1	59 12 16			4			
		MN_1	6 03 26 20		7				
		MN_2	05 44 20		1				
		ME_2	08 12 20			9			
		MN_3	12 44 18		6				
		ME_3	16 12 19			4			
		MN_4	18 32 20		7				
		CE_1	24 32 16			3			
		CN_1	25 49 16		4				
		CN_2	35 31 16		3				
		F	7 40						
23	" 1	e (P?)	18 08 10						
		e (S?)	14 22 7		1	1			
		e	17 35 8						
			17 49 6		2	2			
		eL	23,4 13						
		MN	24 46 18		3				
		ME	25 15 20			3			
		F	19 00						h m s
24	" 2	eP	13 41 22					8200	0., 13 29 41
		eS	50 52 11		1	2		(73.8°)	
		eL	14 01.4 24						
		MN_1	09 07 16		4				
		ME_1	14 15 20			6			
		ME_2	17 57 18			5			
		MN_2	20 23 18		5				
		MN_3	26 10 18		5				
		ME_3	31 23 16			3			
		F	15 16						h m s
25	" 2	eP	19 59 04					8120	0., 19 47 33
		eS	20 08 30	8	1	3		(72.1°)	
		PS	09 08	9	2	1			
		eL	20.6 24						
		ME_1	23 44 20			6			
		MN_1	24 41 20		1				
		MN_2	26 30 20		10				
		MN_3	29 51 19		12				
		ME_2	30 37 18			8			
		ME_3	35 19 18			8			
		MN_4	36 14 20		10				
		ME_4	40 54 19			8			
		C	48.3 18		13	6			
		F	22 15						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

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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.
	1925		h. m. s.	s.	μ	μ	μ	km.	
26	Feb. 3	eL	18 46.3	20?					
		MN_1	49 53	16	2				
		ME	52 12	?					
		MN_2	53 21	18	3				
		F	19 15						
27	" 4	eP	10 08 53					2980	h m s 0., 10 02 29
			09 26	5	1	-		(27.8°)	
		eS	13 15	7	1	-			
		PS	13 37	8	2	1			
		eL	17.6	18					
		ME_1	18 14	16		10			
		ME_2	20 10	14		15			
		MN_1	21 49	15	9				
		MN_2	24 13	15	9				
		MN_3	26 04	12	9				
		ME_3	26 08	12		5			
		F	11 10						
28	" 7	e(S?)	20 39.8	4	1	-			
			40 14	6	1	1			
		e(L?)	44.0	12					
		ME_1	48 10	14		1			
		ME_2	50 03	10		1			
		MN	50 42	10	2				
		F	21 05						
29	" 7	eL	21 26.7	14					
		MN	39 10	12	3				
		F	22 05						
30	" 8	e	1 41.0						
		MN	43 14	8	1				
		ME	44 11	8		1			
		F	1 55						
31	" 9	iP	14 14 34	6	+4	+2		2240	Near Matthew Island
			14 50	6	6	11	5	(20.1°)	(New Hebrides).
			15 34	7					
		eS	18 18	7	6	4			
		PS	18 30	7	18	13	16		
			18 48	9	32	60			
		eL	19.9	20					
		MN_1, ME_1	21.7	14	110	45			h m s 0., 14 09 52
		MZ_1	21 57	14			17		
		ME_2	23 47	12		37			
		MN_2	24 04	12	48				
		ME_3	26 04	14		60			

(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:

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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		(See last sheet)		
A_E				
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1925		h. m. s.	s.	μ	μ	μ	km.	
31	Feb. 9	MZ_2	14 26 10	14			26		
(Cont.)		MN_3	27 13	12	40				
		ME_4	29 48	12		33			
		MN_4	30 52	12	35				
		ME_5	31 38	12		42			
		ME_6	33 56	12		41			
		MZ_3	34 10	12			12		
		MN_5	36 32	12		27			
		ME_7	40 04	12		30			
		CN_1	44 11	11	20				
		CE_1	47 19	12		12			
		CN_2	53 17	12	9				
		CE_2	58 19	12		11			
		F	16 55						
32	" 9	eP	15 55 04	6	1			2480	
		eS	59 08	7	1	2		(21.3°)	
		eL	16 00.8	18					
		MN	02 19	12	4				h m s
		ME	03 00	14		2			0., 15 50 07
		F Lost in N° 31							h m s
33	" 10	eP	8 21 42					2570	0., 8 16 24
		eS	25 53	8				(23.1°)	
		PS	26 07	8					
		eL	27.3	18					
		MN_1	28 19	16	2				
		MN_2	29 37	12	2				
		ME	31 37	12		2			
		F	9 06						h m s
34	" 10	eP	10 43 04	7	1	2		2440	0., 10 38 00
		eS	47 04	8	1	3		(21.9°)	
		eL	48.4	18					
		ME_1	50 22	16		4			
		MN_1	50 32	16	8				
		MN_2	52 32	13	5				
		ME_2	52 41	12		3			
		F	11 30						h m s
35	" 10	eP	12 19 32	7	1	-		2540	0., 12 14 16
		PR	20 02	7	2	2		(22.8°)	
		eS_1	23 30	8	-	1			
		PS	23 45	8	1	3			
		eL	24.9	16					
		MN	26 28	16	8				
		ME_1	26 59	16		7			
		MN_2	29 04	11	7				
		ME_2	30 40	12		3			
		F	13 15						

(Continued on next sheet)

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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.
	1925		h. m. s.	s.	μ	μ	μ	km.	h m s
36	Feb.10	eP	21 48 27	6	1	1		2370	O., 21 43 30
		eS	52 22	9	1	-		(21.3°)	
		eL	54.3	17					
		MN_1	55 45	13	6				
		ME_1	57 30	13		5			
		MN_2	22 01 41	12	3				
		ME_2	02 11	13		4			
		F	22 45						
37	" 13	eP	13 55 19	5	-	2		3030	Tonga Group?
		ePR_1	56 15	6	-	2		(27.3°)	
			56 30	6	1	2			
		eS	14 00 04	8	2	2			
		eL	02.1	30					
		ME_1	03 47	20			28		
		ME_1	04 04	20		75			
		MN_1	04 24	20	68				
		ME_2	06 04	16		52			
		MN_2	06 32	14	25				
		MZ_2	07 40	17			20		
		MN_3	08 34	16	21				
		ME_3	08 39	16		31			
		CE	15 51	14		9			
		CN	18 04	12	8				
		F	15 40						
38	" 16	e(P?)	17 53 05	7	-	1		8280?	Perhaps double?
		eS	18 02 39	12	1	5			
		eL	14.4	28					
		ME_1	15 07	24		5			
		e	18 15	38		18			
		ME_2	22 42	20		1			
		MN_1	24 53	22	3				
		ME_3	25 27	18		16			
		ME_4	28 04	16		10			
		MN_2,MZ	28.6	18	27		16		
		MN_3	30 04	18	24				
		CN	36 49	16	9				
		F	19 30						
39	" 17	eP	14 18 47	?				2650	Heavy microseisms.
		eS	23 04	10	1	-		(23.8°)	
		eL	24.1	14?					
		ME	26 41	14		2			h m s
		MN_1	27 18	13	3				O., 14 13 21
		MN_2	33 08	12	2				
		F	14 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.
	1925		h. m. s.	s.	μ	μ	μ	km.	
40	Feb. 19	e?	15 25.7						
		eL	29.2	16					
		MN	31 04	14	2				
		ME	31 14	14		2			
		F	15 50						h m s
41	" 20	eP	1 14 59	4	1	1		8040	0., 1 03 27
		eS	24 21	8				(72.3°)	
			24 32	8	7	6			
			24 53	12	7	16			
		e	29 20	26					
			30 03	26	31	9			
		eL	34.2	30					
		ME_1	36 41	28		42			
		MN_1	39 22	22	17				
		MN_2	41 48	24	26				
		ME_2	45 41	22		17			
		ME_3	49 15	20		17			
		MN_3	50 55	20	9				
		ME_4	56 00	19		12			
		F	2 50						
42	" 20	e (S?)	17 03.1	10		1			
		ME	08 00	12		2			
		MN	08 38	12	1				
		F	17 15						
43	" 21	eP	19 00 29	?				2280	Strong microseisms.
		eS	04 16	9	3	1		(20.5°)	
			04 39	9	6	3			
		eL	05.5	18					
		MN_1	06 31	16	21				h m s
		MN_2	08 04	12	38				0., 19 55 42
		ME_1	08 20	12		15			
		MZ_1	10 04	12					
		ME_2	10 50	11		9			
		MN_3	11 00	11	20				
		MN_4	15 04	11	15				
		MZ_2	15 36	12			6		
		ME_3	15 49	11		11			
		ME_4	18 16	12		9			
		MN_5	19 45	11	6				
		F	20 20						
44	" 22	eL	18 00.8	18					
		ME	02 49	12		1			
		MN	09 12	12	1				
		F	18 15						

(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*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
45	Feb. 24	eP?	0 07 30					10,300?	
		eS	18 39	7	2	1			Alaska.
			19 02	7	2	-			
		PS	20 04	8	1	2			
		eSR_1	25 40	9					
			25 48	9	4				
		eL	44.2	30					
		MN_1	46 43	25	6				
		MN_2	50 21	20	7				
		ME_1	51 30	18		5			
		MN_3	53 32	18	5				
		ME_2	56 10	18		5			
		MN_4	56 18	18	5				
		ME_3	1 02 10	16		4			
		eW_2	2 04.7	20					
W_2	series	MN_1	07 16	20	5				
		MN_2	10 52	20	3				
		W	2 35						h m s
46	" 25	eP.	21 08 03					2780 (25.0°)	0.; 21 02 25
		eS	12 30	6	2	2			
		eL	13.8	16					
		ME_1	18 21	10		9			
		MZ	20 58	13			7		
		ME_2	21 33	14		24			
		MN_1	22 03	12	15				Very heavy micro-seisms.
		MN_2	23 53	10	5				
		ME_3	24 45	10		8			
		F	21 45						
47	" 27	e	12 56.0	6	1				
		MN	13 01 19	12	2				
		ME	02 24	?					
		F	13 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)	183	7.9	2.9	0.01
	(3)	126	8.8	3.1	0.03
A_E	(1)	176	7.7	4.0	0.01
	(3)	162	8.9	1.7	0.02
A_Z	(2)	86	5.0	3.5	0.06

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
48	March 1	iP'	2 38 58	7					E. Canada.
		ePR$_1$	42 16	?					
		eL	3 39.3	20					
		ME$_1$	41 51	18		4			
		MN$_1$	45 43	18?					
		MN$_2$	48 37	18	3				
		ME$_2$	54 01	16		3			
W$_2$	waves	eW$_2$	4 15.6						
		MN	18 53	16	2				
		ME	25 10	18		4			
		F	5 10						
49	" 7	e(P)	18 37 35	10	1	1			
		e	49.8	?					
		eL	58.5	22					
		ME$_1$	19 00 19	16		4			
		ME$_2$	03 06	14		3			
		MN$_1$,MZ	03.7	18	13		10		
		MN$_2$	07 01	16	6				
		F	19 50						
50	" 8	e(P?)	1 02 17						
		eL	07.9	?					
		MN	10 55	12	3				
		ME	12 15	8		¾			
		F	1 40						
51	" 15	P	7 57 37	0.2?					Small local shock.
			57 42	0.2?					
52	" 15	e?	13 53.6						
		eL	14 09.0	22					
		MN	10 48	16	6				
		ME	11 07	16		4			
		F	14 40						
53	" 15	eP	15 54 37						
		e(SR$_1$)	16 00 56	?					
		eL	02.1	20					
		MN$_1$	03 37	16	12				
		ME$_1$	04 45	18		13			
		MN$_2$	06 00	16	12				
		ME$_2$	07 27	16		13			
		MN$_3$	12 07	12	7				
		MZ$_3$	12 23	12			5		
		F	17 10						

(Continued 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.
	1925								
54	March 16	e(S?)	15 03.9	7					
		eL	19.4	26					
		ME_1	21 17	22		8			
		MN_1	24 41	16	6				
		ME_2	27 06	20		10			
		MN_2	27 34	20	10				
		MN_3	30 12	18	13				
		ME_3	31 07	20		10			
		MN_4	32 38	20	17				
		ME_4	34 30	20		17			
		MN_5	36 07	18	13				
		ME_5	36 32	17		7			
		ME_6	40 26	18		10			
		CN	43 58	15	5				
		CE	49 32	16		4			
		F	17 00						
55	" 16	eP	23 25 36					3520?	
			26 40						
		e(S?)	30.7	8	6	2			
		MN	35 43	12	8				
		ME	36 33	12		2			
	" 17	F	0 15						
56	" 17	e	1 44.3						
		MN, ME	56.7	12	2	2			
		F	2 10						
57	" 18	eP	14 09 11	7	1	½		2480	
		eS	13 07	10	2	1		(22.3°)	
		eL	15.2	20?					
		ME_1	18 30	16		2			
		MN_1	20 10	12	15				
		ME_2	20 19	12		37			
		MN_2	23 24	12	15				
		ME_3	24 00	10		10			
		F	15 30						
58	" 20	e	6 03.9						
		eL	11.5	18					
		F	6 30						
59	" 21	e(P?)	16 30 18	6	-	¼		3060?	
		e(S?)	34.9	?					
		eL	37.9	18					
		ME	40 36	17		5			
		MN	41 44	15	4				
		F	17 05						
60	" 21	eL	21 35.2	16?					
		F	21 50						

(Continued 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.
61	March 22	iP	8 46 46	10?	+13?	+13?		2550	New Hebrides,-
			47 04	10	46	70		(23.0°)	probably east of
		iS	50 48	15	-590	+130			Epi island.
			51 07	14	840	560			
		eL	51.8	22					h m s
		MN_1	52 47	19	710				0, 8 41 37
		ME_1, MZ_1	52.9	19		850	690		
		MN_2	53 50	17	900				
		ME_2, MZ_2	54.7	17		1430	660		
		MN_3	55 12	16	1070				
		ME_3	55 33	16		890			
		MN_4	56 43	15	730				
		MZ_3	57 17	16			370		
		ME_4	57 51	14		230			
		MN_5	9 01 03	14	270				
		ME_5	03 26	12		200			
		MN_6	05 55	12	210				
		MZ_4	08 05	13			220		
		ME_6	08 31	13		330			
		MN_7	11 15	12	100				
		ME_7	11 59	12		90			
		MN_8	14 46	12	80				
		ME_8	18 10	10		42			
		MN_9	18 40	11	53				
		ME_9	23 41	12		60			
		CN_1	27 42	12	24				
		CN_2	34 05	12	24				
		CE_1	35 05	11		26			
		CN_3	38 28	12	24				
		CE_2	39 27	12		34			
		CN_4	45 49	12	24				
		CE_3	47 11	14		30			
		CE_4	52 55	14		33			
		F	11 30						
62	" 22	e(P?	9 42 11	5					A small seism, super
									posed on No. 61
63	" 22	e?	18 18.5						
		e(S?	21.3	6	4				
		e(SR_1?	22 46	12		6			
		eL	23.8	20?					
		MN_1	25 16	16	95				
		ME_1	26 22	12		25			
		MN_2	26 32	14	18				
		ME_2	29 15	12		28			
		F	15 05						
64	" 25	eP	12 09 19					3410	
		eS	14 18	6	2	2		(30.7°)	
		eL	16.3	24					
		ME_1	18 22	19		18			
		MN_1	19 56	16	15				
		ME_2	20 26	12		30			
		MN_2	23 23	14	8				
		F	12 55						
65	" 26	e(L?	8 56.3	?					
		MN	57 26	12	2				
		F	9 10						
66	" 26	e?	10 36.3						
		e(S?)	39.8	6	2	2			
		ME	43 25	8		7			
		MN	43 38	7	8				
67	" 27	e	0 43.2	7					S.T. Right Ey.
		MN	46 21	13	2				
		F	0 55						

No. 4 1925, April

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)	139	8.1	3.1	0.018
	(3)	112	8.9	3.0	0.02
A_E	(4)	163	8.3	4.7	0.017
	(3)	172	9.0	2.4	0.02
A_Z	(2)	91	5.0	3.6	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
68	April 1	e(S?)	17 29.0						
		eL	33.3	16					
		MN_1, ME_1	35.8	18	13	12			
		MN_2	37 03	15	19				
		ME_2	37 12	16		29			
		ME_3	38 49	15		24			
		MN_3	39 16	12	15				
		F	18 55						
69	" 2	eL	19 29.9	?					Heavy microseisms.
		ME	31 03	?					
		MN	32 28	15	5				
		F	19 50						
70	" 5	e(P?)	21 10 13	6	½	2			
			17 00	?					
		eL	18.6	18					
		ME	20 02	15		5			
		MN	22 18	12?	9				
		F	22 15						
71	" 7	iP	18 14 07	5	-6	+2½	+5	4960 (44.7°)	Condensation.
			14 49	7	4	1			
		iS	20 41	8	-2½	+4			h m s
		SR_1	24 37	10	9	6			0, 18 05 41
		e(L?)	27.7	18?					(Pulkovo)
		ME_1	31 02	17		18			
		MN_1	33 13	18	24				
		ME_2	33 37	18		14			
		MN_2	34 55	19	30				
		ME_3	37 35	17		13			
		ME_4	38 39	16		13			
		MN_3	39 22	14	15				
		MN_4, ME_5	41.3	16	21	15			
		F	19 50						
72	" 8	e	7 08.7						
		MN_1	11 00	7	2				
		ME	11 21	7		2½			
		MN_2	11 53	7	1				
		F	7 20						
73	" 11	eP	10 53 42	5	¼	¼		7980 (71.8°)	
			53 57	5		2½			h m s
		ePR_1	56 50	7	1½				0, 10 42 00
		eS	11 03 10	8	⅔	1½			
			03 33	8	⅔				
		eL	18.2	20					
		ME_1	18 52	18		10			
		MN_1	19 27	17	17				

(Continued 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.
	1925								
73	April 11	ME_2	11 20 15	17		46			
(cont)		MN_2	21 10	16	25				
		MZ_1	22 13	18			20		
		MN_3	22 52	16	38				
		ME_3	23 14	15		51			
		MZ_2	23 36	16			21		
		ME_4	27 18	14		29			
		MN_4	27 41	16	25				
		ME_5	32 12	13		12			
		MN_5	33 41	15	20				
		ME_6	34 02	11		7			
		MN_6	39 11	15	19				
		ME_7	40 10	12		5			
		MN_7	44 41	12	13				
		CE_1	48 30	12		6			
		CN_1	54 11	12	7				
		CE_2	57 30	14		6			
		CN_2	12 07 27	14	5				
		CE_3	12 14	13		4			
		CN_3	17 14	12	4				
		eW2	13 12.3						
W2	series	ME_1	18 45	16		4			
		MN_1	19 37	18	1				
		ME_2	21 31	18		4			
		MN_2	27 22	16	2				
		ME_3	29 10	16		3			
		F	13 50						
74	" 16	eP	20 03 13	9?				6580	
		eS	11 20	11	1	2		(59.2°)	
		PS	11 59	11	4	6			
		eL	20.1	28					
		MN_1	24 03	16	11				
		ME_1	24 54	16		19			
		ME_2	26 20	20		46			
		MME	27 04	?					
		MN_2	27 15	18	19				
		MN_3	29 38	17	24				
		ME_3	30 34	15		12			
		MN_4	33 16	16	10				
		ME_4	33 31	17		11			
		MN_5	37 26	16	10				
		ME_5	38 49	16		11			
		F	22 00						
75	" 20	eP	10 24 57					3120?	
		e(S?)	29.6	8		2½			
			29 48	8	3				
			30 10	7		4			
		ME	35 14	8		3			
		MN	35 41	9	3				
		F	11 00						
76	" 21	e(S?)	7 27.3	12	1½				
		e(L?)	30.5	16					
		ME	35 28	12		1½			
		F	7 50						

(Continued 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.
	1925								
77	April 22	e(S?)	23 24.1	8	1				P lost in changing paper.
		eL	29.9	?					
		ME_1	34 33	16		15			
		ME_2	36 08	14		23			Perhaps double?
		MN_1	36 37	11	8				
		MN_2	38 12	11	9				
		MZ	38 19	12			3		
		ME_3	39 49	12		15			
		MN_3	40 13	12	10				
		MN_4	42 12	11	7				
		ME_4	43 06	12		12			
	" 23	F	0 30						
78	" 25	iP	13 22 31	4	+5	+4		2380	
			22 39	4	7	13	2	(21.4°)	
		iS	26 21	6	-8	½			
		eS	26 31	6	23	10			
		eL	26.6	10?					
		MN_1, ME_1	26.9	7	18	9			
		MN_2, ME_2	31.5	12	7	13			
		F	14 35						
79	" 26	eP	8 29 42	4	2	-			
		eS	33 52	10	2½	6			
			34 22	10	19	18			
		eL	35.1	24					
		ME_1	35 30	12		25			
		MN_1	35 38	20	85				
		MZ	35 56	20			34		
		ME_2	36 50	11		29			
		MN_2	37 29	12	32				
		ME_3	37 39	9		24			
		ME_4	39 28	8		20			
		MN_3	40 26	9	22				
		MN_4	42 14	8	16				
		ME_5	42 55	8		16			
		MN_5	43 27	8	13				
		CE	50 31	8		6			
		CN	55 13	8	6				
		F	10 25						
80	" 27	e(P?)	6 55 33					2000?	
		eS	58 54	7		2½			
		eL	59.9	24					
		MN	7 00 49	20	16				
		ME	01 03	14		9			
		F	7 20						
81	" 27	MN_1, ME	11 19.0	8	2	2½			Earlier phases disturbed by instru mental adjustments.
		MN_2	21 48	8	3				
		F	11 35						
82	" 30	eP	11 05 05	4				2420	
		eS	08 57	6	2	1		(21.8°)	
			09 04	6	1½	5			
		eL	09.4	16					
		MN_1	10 45	12	5				
		ME_1	11 04	14		13			
		ME_2	13 05	16		9			
		MN_2	14 40	10	4				
		F	12 25						

E. F. Pigott S.J.

No. 5 1925, May.

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)	158	8.0	4.9	0.02
	(3)	126	8.1	3.6	0.03
A_E	(1)	166	7.9	3.9	0.02
	(3)	141	7.8	1.8	0.1
A_Z	(2)	84	5.0	3.2	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
83	May 1	e?	3 58.7						
		e(S?	4 04.0	1	2	2			
		e(L?	05.9	?					
		ME_1	07 18	13		6			
		MN_1	08 39	12	5				
		ME_2	09 03	12		7			
		MN_2	11 00	12	4				
		F	4 40						
84	" 2	e	15 29.7	7?					
		M	31 22	8	1				
		F	15 35						
85	" 3	eP	17 29 35	4	2	½		4700	
			29 55	4	3½	4		(42.3°)	
		eS	35 54	8	4	2½			
			36 06	8	10	8			
		e	36.4	26					Angenheister waves.
			36 55	26	120				
		eL	39.1	28?					
		MZ_1	39 25	24			50		
		MN_1, ME_1	43.1	26	120	155			
		MZ_2	44 14	26			42		
		MN_2	45 02	20	100				
		MN_3	46 32	24	200				
		MZ_3	47 14	22			63		
		ME_2	47 31	18		100			
		MN_4, ME_3	48.3	22	170	215			
		MZ_4	48 24	20			85		
		ME_4	50 03	14		120			
		MZ_5	50 10	16			50		
		MN_5	50 28	16	200				
		ME_5	52 26	14		75			
		MN_6	52 52	18	95				
		ME_6	55 19	14		30			
		MN_7	56 13	18	38				
		CN_1	18 04 08	11	5				
		CE_1	05 02	12	14	16			
		CE_2	09 23	12		3			
		CN_2	14 12	14	4½				
		F	19 35						

(Continued 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.
	1925								
86	May 3	eP	23 10 42	(4 8	1	2		8170	
		eS	20 19	8	2¼	3½		(73.5°)	
		eL	34.2	28					
		MN_1	35 37	20	17				
		ME_1	36 32	18		30			
		ME_2	39 48	14	15	10			
		MN_2	40 02	15	19				
		MN_3	43 29	16	8				
		ME_3	47 11	12		9			
		MN_4	52 52	14	8				
		ME_4, MZ_1	53.5	12		5	3		
		ME_5	58 37	12		8			
		MZ_2	59 46	12			3		
	" 4	MN_5	0 00 02	12	8				
		F	2 15						
87	" 4	e(P?)	4 17 50	4	1½	1½			
		eL	27.8	16					
		MN	29 06	16	4				
		ME	31 10	11		2½			
		F	4 50						
88	" 4	e(S?)	11 36.5	7	1	1			
			37 10	7	5	-			
		eL	38.3	?					
		MN_1	39 38	14	5				
		ME_1	39 54	12		3			
		MN_2	42 02	11	8				
		ME_2	43 08	9		6			
		F	12 20						
89	" 5	eP	10 15 13	6	2½	¼		5640	
		iS	22 29	8	-	-5		(50.8°)	
		PS	23 03	8	6	16			
		eSR_1	26 15	12	18	19			
			27 06	9	20	42			
		eL	30.4	20?					
		ME_1	31 18	8	2	24			
		MN_1, ME_2	32.8	12	18	30			
		MN_2	34 13	12	30				
		ME_3	35 24	10		32			
		MN_3	36 05	12	54				
		MZ_1	36 13	122			24		
		ME_4	37 41	10		35			
		ME_5	39 48	12		39			
		MZ_2	39 59	14			33		
		MN_4	40 04	12	43				
		ME_6	41 31	12		36			
		MN_5	43 06	16	68				
		MZ_3	45 56	15			14		
		CE	48 53	12		11			
		CN	50 34	10	8				
		F	11 55						
90	" 5	eP	12 07 01	4	½	1		6460	
		eS	15 01	?				(58.2°)	
			18 49	10	5				
		e(L?)	29.2	?					
		ME_1	30 12	12		5			
		MN_1	30 21	12	2				
		MN_2, ME_2	33.7	14	5	5			
		F	12 55						

(Continued 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.
	1925								
91	May 5	eP	23 29 01	4	1½	1½		4610	
		eS	35 14	7	5	2		(41.5°)	
		e	35.9	30					Angenheister waves.
			36 05	10		5			
		eSR_1	38 21	10	4	3½			
			38 29	10	5	4			
		SR_2	39 12	8	1½	16			
		eL	42.3	24					
		ME_1	43 12	20	3	31			
		MN_1	44 24	16	13				
		ME_2	46 39	16		22			
		MN_2	47 05	18	28				
		MZ_1	47 13	20			28		
		MN_3, ME_3	50.2	16	55	35			
		MZ_2	50 17	16			18		
		ME_4	52 43	15		29			
		MN_4	53 39	17	12				
	" 6	F	1 20						
92	" 6	e	5 12.7						
		MN	27 04	14	3				
		ME	28 10	10		1			
		F	5 40						
93	" 6	e	8 14.1	4	1				
		eL	20.7	22					
		ME_1	22 54	16		11			
		MN_1	23 05	12	5				
		MN_2	24 36	12	4				
		ME_2	26 12	14		8			
		F	8 55						
94	" 7	e	14 50.8	9	½	1			
		e	54.5	?					
		eL	59.5	?					
		ME_1	15 02 26	16		4			
		MN_1	03 06	?					
		MN_2	05 58	16	4				
		ME_2	09 26	8		3			This M seems to be from a second shock
		F	15 45						
95	" 15	e	12 31.5	18					
		e	42.1	18					
96	" 16	e(P?)	10 36 03						
		eL	42.0	24					
		MN_1, ME_1	43.4	15	4	9			
		ME_2	44 06	14		7			
		MN_2	45 21	16	5				
		F	11 05						
97	" 19	eP	5 35 26	?				8100	Indian Ocean.
		eS	44 59	7	5	5		(72.9°)	h m s
		PS	45 36	7	1½	2½			0, 5 23 59
			53 24	15					
		eL	59.0	20					
		[illegible]							
		MN_1, ME_1	6 01.1	18	14	24			
		MN_2	02 54	16	11				
		ME_2	03 17	16		33			
		MN_3	04 00	15	17				
		MZ	04 12	16			17		

(Continued 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.
	1925								
97	May 19	ME_3	6 04 40	15		25			
(contd)		ME_4	08 09	14		12			
		MN_4	09 04	12	6				
		MN_5	14 08	14	5				
		ME_5	15 00	14		8			
		ME_6	17 15	12		6			
		CN_1	24 31	13	6				
		CE	26 28	14		6			
		CN_2	29 00	14	5				
		F	7 55						
98	" 20	e(P?)	22 53.1					(2600)	
			55.9						
		e(S?)	57.2	6	-	1			
		eL	59.5	18					
		MN_1	23 02.4	12	7				
		ME_1	03.5	11		12			
		MN_2	03.2	14	16				
		MZ_1	03.6	12			6		
		MN_3	05.2	11	9				
		ME_2	05.3	8		6			
		ME_3	09.5	10		7			
		MZ_2	09.8	12			9		
		MN_4	11.2	10	8				
	" 21	F	0 15						
99	" 22	e?	9 54.7						
		e	10 00.8						
		eL	16.1	24					
		ME	21 21	18		3			
		MN	22 22	16	2				
		F	10 50						
100	" 23	e?	2 21.5						
		eS	30.28	6	½	2			
		eL	40.7	24					
		MN_1, ME_1	41.8	20	2	14			
		ME_2	43 45	20		11			
		ME_3	45 20	18		11			
		MN_2	47 55	14	2½				
		F	4 15						
101	" 25	e?	3 53.6						
		e(S?)	4 00.2						
		eL	11.4	14					
		MN_1, ME_1	13.3	14	3	5			
		MN_2, ME_2	18.4	14	5	2			
		F	5 30						
102	" 28	e(P?)	6 07 06					(7900)	
		e(S?)	16.5						Strong microseisms.
		eL	30.9	20					
		ME_1	33 57	16		11			
		MN_1	35 19	15	11				
		ME_2	37 05	14		11			
		MN_2	38 02	15	10				
		MN_3	39 49	13	6				
		ME_3	41 57	14		7			
		ME_4	45 19	13		6			
		F	8 05						

E.F. Pigot S.J.

No. 6 1925, June.

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	$\frac{r}{T^2}$
A_N	(4)	159	8.0	4.7	0.010
	(3)	118	8.0	1.6	0.03
A_E	(4)	177	7.8	3.5	0.02
	(3)	135	9.3	5.5	0.08
A_Z	(2)	84	5.0	3.1	0.08

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
103	June 3	iP	4 41 46	4	-2¾	+1	+1½	4660	
		iPR_1	43 28	5	-5	+¾		(41.9°)	
			43 54	5	8	2			
		iS	48 02	6	-19	+4			
		e	48.7	28					(Angenheister waves)
		eSR_1	50 42	?					
		SR_2?	51 29	7	7	35	3		
		eL	52.6	40					
		MN_1	58 45	22	130				
		ME_1	59 54	20		100			
		MZ_1	5 00 04	18			45		
		MN_2	00 20	20	125				
		MN_3, ME_2	02.6	14	63	67			
		MZ_2	02 46	18			45		
		MN_4, ME_3	04.9	15	90	58			
		ME_4	06 06	16		75			
		MN_5	08 50	16	44				
		CE_1	10 10	18		40			
		CN_1	14 20	16	28				
		CN_2	19 46	12	6				
		CE_2	20 15	12		6			
		F	6 35						
104	" 6	e	7 36.5	16					A few long waves.
105	" 9	iP	13 47 22	8	+11	-4	-3½	3420	Dilatation.
		PR_1	48 28	10	2	3		(30.8°)	
			48 43	10	8	5			Azimuth (computed from iP): N. 22° W.
		iS	52 22	11	-17	-			
		PS	52 44	11	30	5			
		eL	54.4	40+					Hence, computed
		MN_1, ME_1	59.2	12	270	450			ϕ, 4°S.
		MN_2, ME_2	14 01.0	10	380	230			λ, 141°E.
		MZ_1	01 16	11			300		
		ME_3	02 03	12		290			h m s
		MN_3	02 31	12	320				0, 13 40 48
		MZ_2	03 22	11			150		
		ME_4	03 33	8		100			
		MN_4	04 00	11	240				
		MZ_3	04 56	12			120		
		MN_5	05 09	12	190				
		ME_5	06 20	10		115			
		MN_6	07 44	11	111				
		ME_6	09 10	10		66			
		CE_1	23 22	10		13			
		CN_1	25 02	10	14				
		F	17 55						

(Continued 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.
	1925								
106	June 6	e?	19 09.5						
		e	10.7						
		MN	13 37	14	1				
		ME	13 58	12		4			
		F	18 00						
107	" 10	e?	14 17.0	?					
		eL	28.9	16					
		MN	30 06	12	1				
		ME	30 26	12	1	3			
		F	15 00						
108	" 11	e(P?)	16 02 59						
		eL	12.8	?					
		ME_1	15 09	12		30			
		MN_1	16 20	10	19				
		ME_2	17 00	10		19			
		MN_2, MZ	17.2	9	24		7		
		ME_3	19 06	8		11			
		MN_3	20 45	9	10				
		ME_4	22 39	8		7			
		F	17 45						
109	" 12	eP	11 05 23	4	¾	¾		3440?	
		S?	10.4	?					
		eL	15.2	20?					
		MN_1	17 25	8	18				
		ME_1	17 55	10		50			
		MN_2, MZ_1	19.3	10	37		16		
		ME_2	20 40	8		32			
		MZ_2	21 11	9			9		
		MN_3	21 18	8	32				
		MN_4	22 34	8	34				
		ME_3	27 40	11		29			
		ME_4	29 51	10		17			
		F	13 00						
110	" 13	e?	20 48.2						
		e(S?)	21 04.5						
		eL	13.0	32					
		MN	24 22	16	2				
		F	22 00						
111	" 13	e(P?)	22 03 24						
		eL	07.9	?					
		MN, ME	09.3	12	10	1	1		
		F	22 25						
112	" 19	e(S?)	8 04.1						Very heavy micro-seisms.
		e(L?)	06.5	28					
		ME_1	11 04	16		12			
		MN_1	11 25	11	5				
		ME_2	13 09	16		20			
		MN_2	17 44	122	5				
		ME_3	18 31	12		7			
		MN_3	24 08	10	3				
		F	8 50						
113	" 23	e(P?)	16 16 11					1700?	
		e(S?)	19.1	?					
		ME	22 02	13		2			
		MN	22 16	12	2				
		F	lost in No. 114						

(Continued 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.
	1925								
114	June 23	eL	16 34.3	18					
		ME_1	35 42	16		4			
		MN	36 28	10	1				
		ME_2	37 01	14		2			
		F	17 05						
115	" 24	e	5 51.6	14					
		ME	56 42	14		2			
		MN	57 08	12	2				
		F	6 20						
116	" 28	eS	1 50 42	14					
		eL	2 16.6	25?					
		ME_1	22 34	17		7			
		ME_2	24 49	16		6			
		MN_1	26 15	18	6				
		MN_2	27 48	16	3				
		ME_3	31 41	15		14			
		MN_3	32 59	16	3				
		ME_4	36 21	15		5			
		MN_4	36 35	15	3				
		F	4 10						
117	" 28	e	6 34.7	11	1				
		MN	50 13	20	5				
		ME	51 09	20		6			
		F	7 00						
118	" 29	ME	15 42 24	18		3			
		F	16 05						
119	" 30	e	3 57.4						
		eL	4 01.6	14					
		MN	04 18	12	2				
		ME	04 30	15		3			
		F	4 40						

E. F. Pigott 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_0	ϵ : 1	$\frac{r}{T_0^2}$
A_N	(1)	157	8.0	5.4	0.02
	(3)	119	3.0	2.9	0.026
A_E	(1)	173	7.7	3.5	0.01
	(3)	145	9.0	2.5	0.07
A_Z	(2)	82	5.0	3.3	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
120	July 4	eP	9 16 04	3	1	-		2780	
		eS	20 21	7	3	¾		(25.0°)	
			21 02	10	25	1½			
		eL	21.2	16					
		MN_1	24 43	18	42				
		ME_1	25 29	16		35			
		MZ	26 13	17			27		
		MN_2	26 26	17	62				
		ME_2	28 20	11		13			
		MN_3	30 59	12	10				
		ME_3	34 33	11		14			
		MN_4	36 26	10	9				
		F	11 00						
121	" 6	eP	7 12 20	3	-	¾			
		i	14 56	4	+ 6	+ 5			
		M	18 00	7	¾				
		F	7 30						
122	" 7	e	8 19.5						
		e	28.1	7					
		ME	54 07	18		3			
		MN	54 17	18	1½				
		F	9 20						
123	" 7	eP	10 21 20	6	-	1½			
		e(SR_1?)	29.9	7	½	1			
		eL	31.3	18					
		ME_1	33 31	10		3			
		MN_1	33 39	11	2				
		ME_2	35 36	9		2			
		MN_2	36 28	10	3				
		F	11 30						
124	" 7	eL	15 03.4	?					
		ME_1	05 09	20		5			
		ME_2	10 16	18		4			
		ME_3	16 24	17		7			
		MN	19 21	16	3				
		F	16 05						
125	" 8	e?	1 26.4						Heavy microseisms.
		e(S?)	33.2						
		eL	37.6	20					
		MN_1	39 32	14	8				
		ME_1	39 59	12		6			
		MN_2	41 46	12	6				
		ME_2	43 27	9		7			
		MN_3	46 17	12	8				
		F	2 05						

(Continued 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.
	1925								
126	July 17	e?	3 24.7						
		e(S?)	29.2						
		eL	35.9	24					
		ME_1	37 30	16		7			
		MN_1	40 13	16	2				
		ME_2	42 21	13		4			
		MN_2	43 19	12	4				
		F	4 10						
127	" 17	eP	21 14 32	?				3760	
		eS	19 53	8	2	½		(33.8°)	
		eL	24.0	12?					
		MN_1	27 31	8	18				
		ME_1	27 37	8		22			
		MZ	29 13	12			12		
		ME_2	29 20	12		60			
		MN_2	30 08	10	33				
		MN_3, ME_3	32.3	11	19	26			
		F	lost in No 128.						
128	" 17	e	22 50.4						
		eL	53.8	19					
		ME	59 16	14		5			
		MN	23 00 19	14	5				
		F	23 35						
129	" 24	e?	1 03.2						
		e	10.6						
		eL	17.4	17					
		MN_1	17 39	15	4				
		ME_1	18 36	15		3			
		MN_2	21 52	12	2				
		F	1 30						
130	" 27	e	15 48.2						
		ME	54 53	11		¾			
		MN	55 19						
		F	16 25						
131	" 28	e(L?)	4 56.8	?					
		MN	5 02 47	20	4				
		ME	04 45	20		4			
		F	5 10						
132	" 29	e(P?)	5 04 16					2480?	
		e(S?)	06.2	8	-	1			
		eL	11.0	16					
		MN_1	12 14	14	8				
		ME_1	13 15	15		11			
		MN_2	16 13	11	6				
		ME_2	18 16	11		2			
		F	6 00						

12 Records.

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	$\frac{r}{T_o^2 \cdot 016}$
A_N	(4)	151	8.1	5.1	
	(3)	134	8.0	2.8	0.03
A_E	(1)	161	7.9	3.8	0.02
	(3)	142	9.2	2.0	0.07
A_Z	(2)	84	5.0	3.3	0 07

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude. A_N	Amplitude. A_E	Amplitude. A_Z	Δ	Remarks.
	1935		h. m. s.	s.	μ	μ	μ	km.	
133	Aug. 1	eP	2 31.8					2600?	
		e(S?)	35.2						
		eL	37.5	16					
		MN1, ME1	39.4	10	7	3			
		MN2	40 14	9	4				
		F	2 55						
134	" 6	e?	14 29.2						
		e(S?)	33.2						
		eL	37.4	18					
		MN	39 55	16	7				
		ME	41 16	13		7			
		F	15 05						
135	" 7	e?	8 17.1						
		e	22.2						
		eL	30.2	20					
		ME1	34 21	18		4			
		MN1	35 11	18	12				
		ME2	38 01	14		5			
		MN2	38 19	15	6				
		F	9 10						
136	" 8	eP	2 48 37	3				2600	
		iS	52 41	5	+6	-1		(23.4°	
		eL	54 16	20					
		ME	55 12	17		5			
		MN	55 47	15	4				
		F	3 15						
137	" 14	eP	4 14 10	2	4	½		2990	
			14 46	4	8	1		(26.9°	
		eS	18 41	7	-	5			
		PS	19 00	7	10	12			
		eL	19.6	16					
		ME1	19 51	16		80			
		MN1	21 03	15	42				
		MZ	21 21	16			12		
		MN2, ME2	22.0	12	43	63			
		ME3	24 18	8		25			
		MN3	26 12	9	24				
		ME4	27 00	8		19			
		CN	35 30	11	17				
		CE	38 24	8		9			
		F	6 15						
138	" 14	e	6 29.1						
		eL	34.3	18					
		MN1, ME1	35.2	16	3	4			
		MN2	37 43	14	3				
		ME2	38 04	12		3			
		F	7 00						

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.
	1925								
139	Aug.19	e?	12 20.6	?					
		eS	31 00	8	1	-			
			31 30	8	2	3			
		eSR_1	37 16	12	2	5			
			38 04	14	7				
			38 11	14		8			
		eL	45.3	46					
		ME_1	47 52	17		18			
		MN_1	50 09	28	85				
		MZ_1	50 22	26			55		
		ME_2	50 39	22		38			
		MN_2	52 09	21	84				
		MZ_2	52 45	22			34		
		MN_3	53 47	20	65				
		MN_4	56 13	18	36				
		ME_3	56 36	19		16			
		ME_4	13 01 28	18		13			
		MN_5	03 19	17	13				
		CE	10 35	16		9			
		CN	12 04	16	9				
	W2 waves	e	14 22.9						
		MN_1	24 31	20	2				
		MN_2	28 27	20	2				
		F	15 00						
140	" 19	e(P?)	20 44 11					2990?	
		e(S?)	48.7						
		eL	51.6	18					
		ME_1	54 34	11		4			
		MN_1	54 47	11	4				
		ME_2	56 13	9		4			
		F	21 20						
141	" 24	e?	13 24.1						
		eL	33.4	20					
		ME_1	34 35	12		4			
		MN_1	35 52	13	6				
		ME_2	36 12	10		7			
		MN_2	38 19	14	8				
		F	14 00						
142	" 30	e	7 12.2						
		ME	15 34	?					
		MN	15 54	12	2				
		F	7 30						

E. F. Pigott S.J.

No.

1925, September.

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	$\frac{\epsilon}{T_o^2}$
A_N	(1)	159	7.8	4.8	0.016
	(3)	118	8.0	3.3	0.02
A_E	(1)	173	7.7	3.7	0.02
	(3)	137	9.0	2.2	0.04
A_Z	(2)	83	5.0	3.6	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
143	Sept. 1	e(S?)	15 45.2						
		eL	45.9	18					
		MN	49 18	14	3				
		ME	50 09	12		2			
		F	16 1?						
144	" 5	e(S?)	17 0?.0						
		eL	10.7	?					
		ME	14 26	12		2			
		MN	14 35	14	2				
		F	17 50						
145	" 10	eP	13 03 00	5	1	-		2980	
		eS	0? 30	7	3	-		(26.8°	
		eL	09 15	16					
		ME_1	12 44	12		6			
		MN_1	14 06	10	12				
		MZ	14 28	11			2		
		MN_2, ME_2	15.2	9	14	4			
		ME_3	18 56	10		3			
		MN_3	19 14	9	7				
		F	14 15						
146	" 16	e?	1 25.7						
		e	30.7	7	1				
		ME	33 55	12		2			
		MN	34 02	12	2				
		F	2 30						
147	" 16	eL	3 42.2	18					
		ME	44 02	12		2			
		MN	44 29	11	2				
		F	4 00						
148	" 16	e	5 29.6	5	1				
		MN	35 01	12	2				
		ME	36 10	14		2			
		F	5 50						
149	" 25	e(P?)	9 01 51						
		eL	12.0	18					
		MN_1	13 24	12	6				
		MN_2	16 10	10	7				
		ME_1	16 50	12		2			
		ME_2	18 21	10		1			
		F	10 15						
150	" 30	e	11 44.9	?					
		MN	50 53	10	2				
		F	12 10						

E. F. Pigott S.J.

No. 10

1925, 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	157	7.9	4.8	0.016
	3	120	8.1	3.0	0.04
A_E	1	172	7.8	4.1	0.02
	3	149	9.0	3.1	0.04
A_Z	2	87	5.0	3.5	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								h m
151	Oct. 1	ME	0 00 23	14		8			eS, Sept. 30, 23 56.6
		MN	01 09	15	10				eL, 59.4
		F	0 30						
152	" 5	e	4 34.7	4		2			
		e	36.2						
		e	41.2						
		e	48.3	12	2				
		e	49.6						
		e(L?)	5 07.2	?					
		ME_1	20 22	15		5			
		MN_1	22 14	15	3				
		ME_2	27 05	14		3			
		MN_2	35 13	?					
		F	6 10						
153	" 12	eP	5 44 06					10,000?	
		e(PR_1?)	48 11	5	1½	1			
			48 20	5	3	2			
		e(S?)	55.3						
		eL	6 20.3	22					
		MN_1, ME_1	22.1	18	6	8			
		ME_2	23 37	16		8			
		MN_2	25 16	18	14				
		ME_3	26 28	16		10			
		MN_3	29 20	16	5				
		ME_4	29 58	15		4			
		ME_5	45 20	12		2			
		MN_4	45 28	14	3				
		MN_5	52 18	16	4				
		F	(last in No. 154)						
154	" 12	e(P?)	7 37 42						
		e(S?)	44.2	10	2				
		F	8 05						

(Continued 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.
	1925								
155	Oct.13	e(PR$_1$?)	18 02 16						
		e	25.1	16	11				
		e	30.1	16			4		
		e(L?)	41.4	20					
		MN$_1$	59 21	22	30				
		MN$_2$	19 02 56	20	10				
		MN$_3$	05 02	18	17				
		ME$_1$	05 25	16		8			
		ME$_2$	10 12	16		13			
		MN$_4$	11 14	16	23				
		MN$_5$	16 14	16	14				
		ME$_3$	16 46	15		5			
		ME$_4$	24 29	16		6			
		MN$_6$	25 27	16	9				
		ME$_5$	28 28	16		6			
		MN$_7$	35 29	16	7				
		ME$_6$	37 25	16		11			
		F	20 30						
156	" 15	e?	1 38.0						
		MN	42 19	10	1				
		ME	46 37	?					
		F	2 05						
157	" 16	e	1 35.3						
		ME$_1$	40 28	10		1			
		MN$_1$	41 18	16	3				
		ME$_2$	43 30	?					
		MN$_2$	44 19	12	2				
		F	2 00						
158	" 18	eP	8 33 13					5330	
		eS	40 08	7	½	1		(48.0°)	
			41 04	12		7			
		eL	48.4	16					
		ME$_1$	49 04	16		3			
		MN$_1$	50 41	?					
		ME$_2$	52 03	14		3			
		MN$_2$	53 47	12	2				
		ME$_3$	55 50	12		2			
		MN$_3$	57 47	14	3				
		F	9 30						
159	" 21	eP	16 56 06					2880?	
		e(S?)	17 00.5						
		eL	01.3	20					
		MN$_1$	04 30	16	14				
		ME$_1$	06 17	14		9			
		ME$_2$	08 21	14		8			
		MN$_2$	10 17	12	7				
		ME$_3$	11 13	12		3			
		MN$_3$	15 16	10	5				
		MN$_4$	22 17	12	5				
		F	17 55						

(Continued 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.
	1925								
160	Oct. 22	eP	17 10 57	5	-	1		5940	
		iS	18 27	8	+6	+5		(53.5°)	
			18 31	8	6	8			
		PS	18 57	8	6	12			
		eL	27.5	24?					
		MN_1	29 43	16	46				
		MN_2	30 38	14	25				
		ME_1	31 48	16		19			
		MN_3	32 36	12	29				
		MN_4	35 02	10	16				
		ME_2	35 39	16		21			
		MN_5	36 18	10	16				
		ME_3	37 51	16		21			
		ME_4	42 23	16		17			
		ME_5	50 40	14		5			
		F	18 50						
161	" 23	eP	1 55 14					4530	
		eS	2 01 23	7	½	1		(40.8°)	
		eL	07.8	24					
		MN_1	08 54	20	54				
		ME_1	09 27	18		27			
		MN_2	09 35	15	76				
		MN_3	13 47	8	34				
		ME_2	14 51	8		10			
		MZ_1	16 02	9			5		
		MN_4	16 20	8	35				
		MN_5	20 50	8	9				
		ME_3	21 35	8		18			
		MZ_2	22 27	10			4		
		ME_4	25 03	10		10			
		MN_6	26 18	8	9				
		F	4 10						
162	" 30	iP	14 47 14	4	+6	+5		2910	h m s 0, 14 41 26
		iS	51 40	7	-11	+8		(26.2°)	
		eL	53.3	22					
		ME_1	54 20	16		63			
		MN_1	54 37	16	69				
		MN_2	55 59	14	59				
		MZ_1	56 07	14			12		
		ME_2	57 13	15		47			
		MZ_2	57 43	14			8		
		MN_3	58 13	13	39				
		ME_3	58 31	13		35			
		MN_4	15 02 19	11	14				
		ME_4	04 25	10		11			
		F	17 40						

E. F. Pigot Sy.

No. 11

1925, 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	8.2	5.2	0.02
A_E (1)	176	7.7	3.8	0.02
A_Z (2)	87	5.0	3.5	0.07

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
163	Nov. 9	e(P?)	10 05 24					3390?	
		iS	10 21	8	+7	+5			
		eL	12.8	12					
		MN	13 27	10	2				
		ME	14 34	11		1			
		F	11 20						
164	" 9	e	22 50.5	11	1				
		e(L?)	54.7	14					
		MN, ME	59.5	10	2	3			
		F	23 25						
165	" 10	e?	3 10.4						
		MN	19 52	10	1				
		ME	21 31	9		2			
		F	3 40						
166	" 10	e	8 03.7						
		eL	08.0	17					
		MN_1	08 15	11	1				
		ME_1	10 35	14		3			
		MN_2	12 54	12	2				
		ME_2	13 00	12		2			
		F	8 40						
167	" 10	eP	13 58 02	6	-	½		4160 (37.4°)	Banda Sea? h m s 0, 13 50 32
		iP	58 06	6	-7	+5	+6		
		PR_1	59 26	8	11	6			
		iS	14 03 48	12	+44	-15			
		PS	04 10	12	44	50			
			08 06	12	90				
		eL	08.4	28?					
		ME_1	10 02	8		53			
		MN_1	10 44	8	70				
		ME_2	10 59	10		100			
		ME_3	11 52	?					
		MN_2	12 54	?					
		ME_4	13 06	8		210			After ME_4, EW component became somewhat deranged, and therefore measurements rough approximations.
		MN_3	14 15	9	270				
		MN_4 ME_5	15.5	12	920	270+			
		MZ_1	15 31	13			510		
		MZ_1	16 40	13			1320		
		MN_5	16 48	13	1260+				
		MZ_3	17 42	11			770		
		MN_6	18 06	10	580				
		ME_6	18 44	15		340+			
		MZ_4	18 52	11			520		
		MZ_5	20 37	13			420		(Continued 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.
	1925								
167	Nov. 10	MN_7	14 20 57	13	560				
(continued)		ME_7	21 40	11		160+			
		MN_8, MZ_6	22.6	12	340		330		
		ME_8	25 48	12		100+			
		MN_9	26 53	9	90				
		ME_9	29 10	9		60+			
		CN_1, CE_1	31.8	11	120	50+			
		CE_2	34 12	10		30+			
		CN_2	35 23	12	115				
		CN_3	38 39	12	105				
		CN_4	46 57	12	44				
	W_2 waves	eW_2	16 39.4						
		MN_1	48 50	22	8				
		MN_2	17 03 57	16	3				
		F	19 50						
168	" 13	iP	12 24 04	5	-5	+2	+1	5770 (51.9°)	Philippines.
		i	24 13	5	-15	+8	+12		h m s
			24 19	5	12	7	16		0, 12 14 47
		iS	31 24	7	-63	+11	+11		
			31 33	5	65	45			
		PS	32 04	8	61	37			
		SR_1	35 19	12	140	75			
			36 00	18	460	260	130		
		eL	40.4	26					
		ME_1	40 45	16		180			
		MN_1	42 00	15	170				
		ME_2	42 45	16		190			
		ME_3	43 43	16		220			
		MN_2	44 33	12	72				
		MZ_1	45 27	16			90		
		ME_4	46 11	14		195			
		MN_3	46 37	13	125				
		ME_5	48 18	16		200			
		MN_4	50 04	16	190				
		ME_6	52 27	16		165			
		MN_5	53 00	16	175				
		MZ_2	53 24	15			47		
		MN_6	56 11	13	135				
		ME_7	58 09	14		170			
		MN_7	58 36	13	120				
		MN_8	13 01 47	12	125				
		ME_8	02 21	12		105			
		MN_9	04 35	12	105				
		ME_9	08 04	12		55			
		CE_1	13 54	12		33			
		CN_1	14 15	12	36				
		CE_2	16 45	11		25			
		CN2	18 07	12	29				
	W_2 waves	eW_2	15 06.5	22					
		ME_1	10 50	18		4			
		MN	14 11	20	5				
		ME_2	19 42	18		4			
		F	16 55						

(Continued 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.
	1925								
169	Nov. 14	e(PR_1)	8 27.5	6		-	¾		
		e(S?)	31.1	?					
		e(L?)	40.1	16					
		ME	41 02	12		1			
		MN	44 30	14	2				
		F	9 15						
170	" 14	e(P?)	10 12 41					7920?	
		e(S?)	20.1	8	3	1			
		e(L?)	27.6	?					
		MN_1	37 41	16	2				
		ME_1	40 20	14		2			
		MN_2	44 32	14	2				
		ME_2	50 37	12		1			
		MN_3	52 45	12	1				
		F	11 15						
171	" 14	e(S?)	14 33.4						
		MN	15 04 19	14	3				
		ME	05 35	?					
		F	15 45						
172	" 15, 16	e	23 48.4						
		eL	53.9	12					
		MN_1	56 09	10	4				
		ME_1	56 29	10		4			
		MN_2	57 38	10	5				
		ME_2	59 08	8		7			
		MN_3	0 00 31	10	4				
		ME_3	01 52	8		3			
		MN_4	02 54	14	3				
		F	0 55						
173	" 23	e	0 50.7	6	½		½		
		eL	54.7	16					
		ME_1	55 18	14		5			
		MN_1	55 42	14	2				
		MN_2, ME_2	57.2	10	2	3			
		F	1 15						
174	" 24	e	11 40.4	5					
		MN_1, ME_1	43.3	11	1	1			
		ME_2	45 20	12		1½			
		MN_2	47 22	12	1				
		F	12 10						
175	" 27	eP	14 32 00	3	1	1		2420	
		eS	35 52	5	3	1		(21.8°)	
		MN_1	37 49	12	4				
		ME_1	38 00	11		2			
		MN_2	39 19	10	4				
		ME_2	40 17	10		3			
		MN_3	41 20	11	4				
		ME_3	42 47	10		1			
		F	15 20						

(Continued 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.
	1925								
176	Nov. 28	eP	16 18 24	4	1	-		2600	
			18 36	8	9	7		(23.4°)	
		iS	22 28	8	-23	+9			h m s
		PS	22 47	10	54	24			0, 16 13 06
		eL	23.9	20					
		MZ_1	24 35	18			28		
		MN_1	25 24	17	40				
		ME_1, MZ2	25.7	16		62	33		
		ME_2	26 17	12		50			
		MN_2	27 10	12	50				
		ME_3	28 22	13		47			
		MZ_3	28 50	13			14		
		MN_3	29 34	12	70				
		ME_4	29 55	12		50			
		MZ_4	30 20	12			11		
		MN_4	30 45	11	72				
		MN_5	33 30	11	48				
		ME_5	35 05	8		12			
		ME_6	40 11	11		37			
		MN_6	43 51	11	39				
		CN_1	52 52	11	14				
		CE_1	54 17	10		7			
		CN_2	56 17	10	11				
		CE_2	17 02 22	10		7			
		F	19 30						

E. F. Pigot S.J.

No. 12 1925, December.

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)	162	8.0	4.3	0.02
A_E (1)	169	8.0	3.5	0.02
A_Z (2)	87	5.0	3.5	0.07

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.
	1925								
177	Dec. 9	e?	19 04.2						
		e(S?)	09.6	?					
		ME_1	13 12	11		5			
		MN_1	13 41	11	2				
		MN_2	15 03	11	3				
		ME_2	17 02	12		3			
		MN_3	17 11	12	6				
		ME_3	18 12	12		3			
		F	19 35						
178	" 10	e?	9 04.8						
		e(S?)	07.0	11		1½			
		ME	08 53	10		1			
		MN	09 03	10	2				
		F	9 20						
179	" 10	e?	14 31.0						
		e?	36.3						
		e(S?)	43.2	12?					
		e	46.9	22					
			47.5	22		8			
		e	52.6	22					
			53.1	22		16			
		eL	15 10.3	28					
		ME_1	16 21	18		4			
		MN_1	19 14	16	2				
		ME_2	19 51	14		2			
		ME_3	24 44	14		2			
		MN_2	26 34	16	2				
		ME_4	27 24	16		3			
		ME_5	38 03	18		3			
		MN_3	41 12	?					
		MN_4	50 21	?					
	W_2 waves	eW_2	16 18.6	20					
		MN_1	24 20	18	3				
		ME_1	25 18	18		3			
		ME_2	30 23	20		5			
		MN_2	31 33	18	3				
		ME_3	35 19	18		4			
		MN_3 ME_4	39.9	18	3	3			
		F	17 45						
180	" 12	e	0 56.2						
		eL	58.4						
		MN_1	1 01 29	12	1				
		ME_1	01 55	13		4			
		ME_2	04 42	11		1			h M
		MN_2	06 32	11	1				F, 1 20
		F	1 20						

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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	A_E μ	A_Z μ	Δ km.	Remarks.
	1925								
181	Dec. 14	e	7 11.2						
		eL	15.8	18					
		ME_1	17 03	15		3			
		MN_1	17 32	16	3				
		MN_2	19 12	12	5				
		ME_2	20 21	12		6			
		MN_3	20 33	12	2				
		F	7 50						
182	" 17	e(S?)	5 51.3	10	1				
		eL	52.6	20					
		MN_1, ME_1	54.3	18	3	5			
		ME_2	56 22	14		3			
		F	6 30						
183	" 18	iP	10 47 30	?	+1.3	+0.5	-1.0	millimetres	(amplitudes
		iS	47 44	?	19	30	3½	"	of needle only)
		F	10 50						
								97	
		Local shock. Felt all over metropolitan area, and beyond. Intensity at Riverview II-III R.M. Origin NNE of Sydney (Az.N 23° E), probably on "continental shelf". All 5 seismograms show marked permanent zero-displacement							
184	" 19	e(P?)	3 21 14					2090?	
		e(S?)	25.7	8		1			
		eL	28.4	22					
		ME_1	30 40	12		9			
		MN_1	31 48	12	11				
		MN_2, ME_2	32.9	12	5	4			
		F	4 05						
185	" 19	eP	16 21 27					7770	
		eS	31 44	7	1	1		(69.9°)	
		SR_1	37 19	12	2	3			
		eL	46.2	30					Heavy microseisms.
		ME_1	47 06	20		19			
		MN_1	48 14	20	14				
		ME_2	49 03	20		19			
		ME_3	51 57	16		10			
		MN_2	56 01	16	6				
		MN_3	17 02 22	15	6				
		ME_4	03 08	12		5			
		F	18 30						
186	" 22	e(P?)	5 14 55						
		eL	35.7	28					
		MN_1	41 13	22	13				
		ME_1	41 38	22		12			
		MN_2	48 46	20	6				
		ME_2	50 33	20		10			
		MN_3	53 22	16	9				
		ME_3	55 38	18		10			
		F	7 55						

(Continued 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.
	1925								
187	Dec. 27	eP	10 36 11					4500?	
		ePR	38 09	8	¾	¾			
			38 20	8	3	2			
		e(S?)	42.3	9	1				
		eL	52.0	20					
		ME_1	53 53	18		26			
		MN_1	54 20	16	11				
		MN_2	56 36	16	26				
		ME_2	57 33	12		17			
		MN_3	57 49	12	23				
		MN_4	59 14	14	24				
		F	12 10						
188	27	e	12 43.7	14					
		ME	44 54	12		1½			
		MN	45 23	?					
		F	12 55						
189	29	eP	16 12 20	5	1½	2		4800	Celebes
		eS	18 45	7	1	½		(43.2°)	
			18 57	7	5	2			
		PS	19 15	7	½	1½			
		eL	26.4	24					
		ME_1	28 09	20		35			
		MN_1	28 41	18	43				
		MN_2	30 09	15	28				
		ME_2	31 35	16		20			
		MN_3	32 50	14	16				
		ME_3	35 26	15		8			
		F	18 00						
190	31	eP	8 55 22	6				3460	
			55 47	6				(31.1°)	
		eS	9 00 24	12?					
		eL	02.0	20					
		MN_1	02 58	20	10				
		ME_1	05 09	20		12			
		MN_2	07 34	12	4				
		ME_2	09 00	14		4			
		F	10 10						

E. F. Pigot S.J.