

1927, January

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^{\circ} 49' 49''$ S.

$\lambda = 151^{\circ} 9' 30''$ 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	$\epsilon:1$	$\frac{F}{T^2}$
A _N (1)	158	7.6	4.5	0.53
A _E (1)	167	7.5	5.0	0.02
A _E (3)	-	-	-	-
A _Z (2)	52	5.4	3.7	0.037

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
1	1927 Jan. 5	eP	13	29	00	4				2520 (22.7°)	
		iS		32	59	6	-5	+9			
2	" 7	eL		35.0	24					3	8
		ME		35	59	20					
3	" 12	MN		37	29	15				12	22
		F		22	33	16					
4	" 12	eL		22	41	16				1	2
		ME1		24	32	12					
5	" 21	MN		2	20					27	16
		F		14	31.5						
6	" 24	eL		14	50	12				8	2
		ME		21	40	36					
7	" 24	MN		44.8	12?					7	2
		F		45	17	12					
8	" 24	eL		46.5	28					16	7
		ME		47	51	20					
9	" 24	MN		48	10	18				27	16
		F		22	40						
10	" 24	eL		8	58.4					8	2
		ME		9	05.8	24					
11	" 24	MN		9	07	14	20			8	2
		F		9	40						
12	" 24	1P		1	10	33	4			-2	+3
		PR1		11	01	6	19	24	18		
13	" 24	PR2		11	09	6	29	30	32	2600 (23.4°)	New Hebrides: 0, 1 05 15
		PR3		11	17	6	38	65	27		
14	" 24	IS		14	37	10	-120			290	96
		SR1		15	01	8	170				
15	" 24	ME1		15	27	6	100			620	410
		MZ1		17	22	20					
16	" 24	MN1		17	39	18				800	470
		MN2		17	51	18					
17	" 24	ME2		19	46	16				240	110
		MZ2		20	53	16					
18	" 24	MN3		21	20	14				255	190
		MN4		21	33	14					
19	" 24	ME3		23	48	14				250	140
		MN5		23	37	16					
20	" 24	ME4		30	38	12				145	80
		MN3		31	09	12					

Continued on next page

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.		
			h.	m.	s.		A_N μ	A_E μ	A_Z μ				
6 (Con.)	1927 Jan. 24	ME ₅	1	34	50	12		105					
		CN ₁		48	01	12		24					
		CE ₁		52	15	12			26				
		CN ₂		54	42	12		24					
		CE ₂		58	22	12			18				
		CE ₃	2	01	46	12			16				
		CN ₃		02	08	12		30					
		W ₂ series ew ₂		08.3		?							
		ME		13	01		16		5				
		MN		17	08		16		2				
		F	5	15									
		7	" 24	eP	6	47	18	4				2530 (22.8°)	New Hebrides.
				iS		51	17	8		-12	+5		
				51	25	8		22	22				
eL				52.5		24?							
MN ₁				53	36	20		89					
ME ₁				53	44	20			40				
MN ₂				54	21	16		100					
ME ₂				55	07	16			84				
MN ₃				55	50	15		72					
ME ₃				56	26	16			53				
ME ₄				58	27	14			29				
MN ₄				59	38	14		42					
F ₄				lost in			No. 8						
8	" 24	e	8	23.6							Very small.		
		eL		27.2		30							
		ME		28	59	20			4				
		MN		30	02	20		4					
		F	9	25									
9	" 25	eP	7	57	38					2610 (23.4°)			
		iS	8	01	43	8		+10	+6				
		eL		03.5		28							
		MN ₁		04	11	18		12					
		ME ₁		05	38	16			14				
		MN ₂		06	09	16		12					
		ME ₂		09	26	14			11				
		MN ₃		09	37	15		6					
		F	9	10									
10	" 25	eP	23	15	29	4?				2610 (23.4°)			
		PR ₁		15	53	4			2				
		PR ₂		16	02	4			8				
				16	14	8		5	7				
		iS		19	35	7		-7	-14				
				19	41	7		50	29				
				20	53	6		23					
		eL		21.1		24							
		MZ		21	57	18				30			
		ME ₁		22	37	18			62				
		MN ₁		22	54	14		68					
		MN ₂		24	38	12		72					
		ME ₂		24	56	12			49				
		MN ₃		26	51	12		53					
		ME ₃		27	38	12			40				
MN ₄		32	32	12		36							
MN ₅		35	47	12		36							
ME ₄		36	43	12			38						
F	1	25											

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No. 1 (continued)

1927, January.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A_N	A_E	A_Z		
							μ	μ	μ		
	1927		h.	m.	s.						
11	Jan. 26	e	5	04	.4						
		MN		09	11	11	1				
		ME		11	27	11		2			
		F	6	20							
12	26	eP	11	11	47				2530		
		eS		15	47	6			(22.6°)		
		MN		18	11	16	12				
		ME		18	39	16		7			
		F	12	00							
13	26	eP	15	41	19	3	$\frac{1}{2}$	$\frac{1}{2}$	2560		
		iS		45	21	8	-12	-9	(23.0°)		
		eL		46	.6	20					
		MN ₁		47	37	20	74				
		ME ₁		47	41	20		70			
		ME ₂		49	33	16		36			
		MN ₂		50	04	16	25				
		MN ₃		52	50	12	23				
		ME ₃		53	11	12		17			
		MN ₄	16	04	10	10	16				
		F	17	05							
14	27	e	18	26	.4					A few long waves.	
		MN		29	16	14	7				
		F	18	40							
15	29	e	15	37	.3					Very small	
		M		42	06	12	2	4			
		F	16	00							

Wm. Henry A.

No.

2

1927, February.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49'' \text{ S.}$
 $\lambda = 151^\circ 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N	161	7.8	4.6	0.02
	106	7.9	3.5	0.03
A _E	169	7.5	5.8	0.02
	136	9.0	1.9	0.04
A _Z	54	5.4	3.6	0.05

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.	
			h.	m.	s.		A _N μ	A _E μ	A _Z μ			
16	1927 Feb. 1	eP	18	02	20	4	$\frac{1}{2}$	-		3080 (27.7°)	Solomons.	
		PR ₁	03	08		4	9	2				
		iS ₁	06	57		8	-17	-3				
			07	03		8		12				
			08	40		7		29				
		ME ₁	10	32		20		110				
		MN ₁	11	23		20	150					
		ME ₂	11	36		16		110				
		MN ₂	13	00		16	85					
		MN ₃	14	51		14	37					
		ME ₃	14	57		14		31				
		MN ₄	19	32		12	24					
F	20	20										
17	" 4	iP	2	54	43	4	-4	-2 $\frac{1}{2}$	-2 $\frac{1}{2}$	2670 (24.0°)	S. of Solomons.	
		PR ₁	55	16		5	16	26	20			
		iS ₁	58	33		6	-18	+5				
			59	09		6	41	25				
		SR ₁	59	49		6	29	26				
		eL	3	01	.0	16						
		MN ₁	01	55		16	38					
		ME ₁	02	49		14		29				
		MN ₂	03	29		14	32					
		ME ₂	06	23		12		23				
		F	4	40								
		18	" 6	e	6	45	.0	7				
MN	47			49		16	5					
ME	48			46		16		5				
19	" 9	F	7	30						Very small.		
		e	5	56	.7							
		MN	6	03	05	10	2					
20	" 10	ME	04	03		9		1 $\frac{1}{2}$		A few long waves		
		F	7	15								
		e	6	31	.7							
21	" 11	MN	32	43		16	5			" " " "		
		ME	34	34		16		2				
		F	6	50								
22	" 11	e	11	32	.2					" " " "		
		M	11	36	24	14	3					
		F	11	55								
23	" 14	e	16	27	.6					" " " "		
		M	16	30	49	16	3	2				
		F	16	50								
23	" 14	e	15	53	.5					" " " "		
		M	16	27	52	14						
		F	16	10								

(Continued on next sheet.)

No. 2 (continued)

1927, February.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time			Per.	Amplitude.			Δ	Remarks.
			(Greenwich)				A _N	A _E	A _Z		
			h.	m.	s.		μ	μ	μ		
24	1927 Feb. 15	e	7	31	.1	4					A few long waves.
		M		36	44	12	1				
25	"	F	8	00							
		e	1	48.8		6					
		eS		57	38	9	2 ₂				
		eL	2	12.6		20					
		ME ₁		15	59	16		19			
		MN ₁		18	56	16	23				
		ME ₂		40	29	16		12			
		MN ₂		40	41	16	9				
		MN ₃		50	56	16	12				
		ME ₃		55	58	16		10			
		ME ₄	3	31	29	20		12			
		MN ₄		42	06	18	17				
		ME ₅		46	52	18		12			
		MN ₅		54	29	18	15				
		MN ₅	4	04	38	18	9				
		ME ₆		06	38	18		6			Perhaps W ₂
		MN ₆		09	36	18	6				
		F ₇	6	10							
26	" 21	e	12	31.4							
		eL		47.4		24					
		ME ₁		49	27	15		8			
		MN ₁		49	59	16	9				
		ME ₂		52	57	16		7			
		MN ₂		53	08	16	7				
		F ₂	13	25							
27	" 23	e	3	01.1							Very small.
		ME ₁		02	06	12		5			
		MN		03	39	12	4				
		ME ₂		07	20	12		7			
		F	3	15							
28	" 25	eL	11	40.8		24					
		M		42	33	20	7	8			
		F	12	00							
29	" 25	iP	15	46	21	4	2	6	2530 (22.8°)		
		S		50	21	10					
		eL		51.9		24?					
		ME ₁		52	23	52 → 28	48	110			
		MN		53	42	20					
		ME ₂		54	03	18		24			
		F	16	35							
30	" 26	e	2	12.4							
		eS		15	09	8					
		ME		18	45	14		11			
		MN		18	57	14	9				
		F	3	00							
31	" 28	e	3	01.5							
		MN		08	18	16	7				
		ME		08	33	16		10			
		F	3	55							

Wm. Healy J.

No.

'3

1927, March.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49''$ S.

 $\lambda = 151^\circ 9' 30''$ 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. Manka Conical Pendulum Seismometer (450 kilo.) (NS, EW)
4. Galitzin Aperiodic Seismometer, with galvanometer registration (NS, EW, Vert.)

	V	T ₀	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N	(1) 156	7.8	4.4	0.029
	(3) 119	8.2	2.4	0.02
A _E	(1) 165	7.5	5.2	0.024
	(3) 148	9.3	2.4	0.04
A _Z	(2) 53	5.4	4.1	0.05

No.	Date.	Phase.	Time		Per.	Amplitude.			Δ km.	Remarks.	
			(Greenwich)			A _N	A _E	A _Z			
			h.	m.		s.	μ	μ			μ
32	1927 March 3	eP	1	12	35	3			3940	Flores? (35.5°)	
		iP		12	47	3					
		PR ₁		14	20	4	5	6			
		eS ₁		18	19	?					
		PS		18	31	8	3	15			
				19	01	8	36	19			
		eL		23	4	48					
		ME ₁		25	08	32		550			
		MN ₁		25	19	32	490				
		MZ ₁		25	53	32			195		
		MN ₂		27	37	20	550				
		ME ₂		27	45	20		440			
		MN ₃		29	07	20	590				
		ME ₃		29	19	20		580			
		ME ₄		30	39	14		470			
		MZ ₂		30	44	12			140		
		MN ₄		30	53	12	235				
		MN ₅		32	29	12	130				
		ME ₅		33	07	12		115			
		MN ₆		34	15	12	115				
		ME ₆		34	35	10		81			
		MZ ₃		35	17	12			48		
		ME ₇		35	43	10		95			
		MN ₇		37	19	12	120				
		ME ₈		38	27	12		99			
		ME ₉		41	03	9		46			
		MN ₈		44	22	10	78				
		CE ₁		45	51	12		34			
		CN ₁		48	01	12	30				
		CE ₂		49	11	12		26			
		CN ₃		57	47	10	16				
		CE ₃		2:01	29	12		16			
F		5:00									

 W₂ waves absent.

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
33	1927 March 7	iP	9	39	05	4	-5 ¹ / ₂		+8	7800 (70.2°) Japan.	
		eS	48	14		6	2	6			
			48	24		6	3	20			
		PS	49	08		12	18	5			
		SR ₁	53	24		9	7	4			
		SR ₂	54	42		9	1	1			
		eL	57	9		38					
		ME ₁	58	54		55		1110			
		MN ₁	59	13		34	215				
		ME ₂	10	00	09	23		590			
		MN ₂	00	13	23		120				
		MN ₃	01	42	28		120	480			
		MN ₄	02	36	20		78				
		MZ ₁	03	38	20				49		
		MN ₅	04	53	20		55				
		ME ₄	05	53	18			50			
		MN ₆	08	25	18		58				
		ME ₅	11	39	18			56			
		MN ₇	12	34	18		44				
		MZ ₂	13	40	18				39		
		ME ₆	17	27	18			46			
		CN ₁	22	15	16		23				
		CE ₁	23	12	16			29			
		CN ₂	33	06	16		25				
		CE ₂	33	15	16			24			
		CN ₃	40	13	16		21				
		CE ₃	42	08	16			14			
W ₂ series	eW ₂	11	51.9		16						
	ME ₇	54	33		16		2				
	MN ₈	57	08		16	2					
	MN ₉	12	06	50	18	3					
	F ₂	13	50								
34	" 12	eP	1	17	53	3	3	1/2			
		eL		21	9	18					
35	" 21	M		22	44	12	6	9			
		F	2	00							
		e	15	17.9							
36	" 22	e(S?)		26.8		8					
		eL		41.2		32					
		ME		44	26	20		16			
		MN		46	11	20	7				
		F	17	55							
37	" 23	e	7	41.5							
		eL		46.2		26					
		ME		46	32	20		20			
		MN		52	41	16	21				
		F	8	15							
38	" 29	e	9	25.1							
		ME		32	02	20		20			
		MN		32	30	20	19				
39	" 30	F	10	15							
		e	15	03.3						Very small.	
39	" 30	M		14	00	16	7				
		F		15	30					A few long waves.	
		F		15	05		7				

Wm. H. Cary Jr.



No.

4

1927, April.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	160	7.6	4.7	0.02
A _N (3)	111	8.2	2.8	0.028
A _E (1)	173	7.4	5.0	0.02
A _E (3)	137	9.3	2.8	0.03
A _Z (2)	53	5.4	3.7	0.04

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
40	1927 April 1	iP	19	11	57	3	-1	-12	+11	2860 25.8°)	Condensation. Computed azimuth (from iP); 85° (N. 35° E.) hence, computed; ϕ . 28° S. λ , 179° W.
		iPR ₁	12	17		3	-5	-11			
			12	56		5	6	27			
			13	26		5			14		
		iS	16	30		6	-15	+5			
		eL	18.8		20						
			18	26		8		30	15		
			19	37		8	35				
		MN ₁	21	53		6	34				
		ME ₁	23	29		10		9			
		MN ₂	23	58		10	9				
		MZ	25	29		12			4		
ME ₂	26	10		12		10					
F	20	25									
41	" 12	eP	23	18	21	3				2530 22.8°)	
		eS	22	21		7	3				
			22	28		7	9	11			
		eL	24.5		24						
		MN	25	57		16	5				
		ME	26	36		16		7			
42	" 13	e(P?)	13	53	55	3					
		S?	14	02.6		?					
		eL	08.9		20						
		MN	15	36		16	7				
		ME	16	23		16		7			
		F	14	35							
43	" 14	eP'	6	41	43	4					
		ScPcS	48	56		6?					
		PS	50	55		12	10				
		SR ₁	57	16		13		6			
		eL	7	07.2		30					
		eL	12.3		28						
		MN ₁	16	56		18	6				
		ME ₁	20	35		16		7			
		ME ₂	25	51		16		5			
		MN ₂	26	05		15	6				
		MN ₃	31	34		16	5				
		ME ₃	33	05		16		5			
		MN ₄	39	04		17	5				
ME ₄	42	49		16		2					
F	9	05									

(Continued on next sheet.)

No. 4 (continued)

1927, April

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A_N μ	A_E μ	A_Z μ		
			h.	m.	s.						
44	1927 April 16	e	9	42	.9						
		MN, ME		51	.9	18	12	6			
		F	10	10							
45	" 17	i	9	17	38	5	2 $\frac{1}{2}$				
		ME		24	55	9		5			
		MN		25	56	8	5				
		F	9	40							
46	" 19	e	17	46	.0						Obscured by heavy microseisms.
		e(S?)		53	.2	16?					
				58	13	12	13				
		eL		59	.6	28					
		MN	18	03	11	18	15				
		ME		04	32	?					
		F	18	25							
47	" 27	iP	2	57	05	3	-4	+3			
				3	02	12	7				
		MN		07	16	10	2 $\frac{1}{2}$				
		ME		08	02	10		2			
		F	3	40							

*Wm. Henry H.
Director*

No.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49'' \text{ S.}$
 $\lambda = 151^{\circ} 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	160	7.6	4.4	0.02
3	127	8.0	3.5	0.03
A _E (1)	170	7.6	5.1	0.02
3	146	9.1	2.0	0.04
A _Z (2)	80	5.1	3.9	0.09

No.	Date.	Phase.	Time			Per.	Amplitude.			Δ	Remarks.	
			(Greenwich)				A _N	A _E	A _Z			
			h.	m.	s.		μ	μ	μ			km.
48	1927 May 2	e	12	40.3								
		3L		49.0	24							
		ME	52	16	14			5				
		MN	52	23	15	2						
		F	13	25								
49	" 3	e	13	46.7								
		eS		51.40	8							
		eL		55.5	24							
		ME ₁		56.35	20			27				
		MN ₁		56.47	20	24						
		ME ₂		58.00	18			12				
		MN ₂		58.11	18	46						
		MN ₃ ME ₃	14	04.1	11	16	11					
		F	14	45								
		50	" 11	e	1	26.2						
e(S?)				30.9	?							
eL				34.2	?							
ME ₁				35.51	16			43				
MN ₁				36.16	16	26						
MN ₂				39.43	8	14						
ME ₂				40.23	8			20				
F ₂	2			25								
51	" 12			e	4	24.2						Very small.
				MN		28.31	?					
		ME		29.39	16							
52	" 13	F	4	40								
		e	23	17.5								
		e(S?)		21.3	6	5						
				24.07	7			30				
		e(L?)		25.2	20							
		ME ₁		28.56	12			32				
		MZ		29.02	12				25			
		MN ₁		29.07	12	32						
		ME ₂		31.10	12			29				
		MN ₂		31.59	10	14						
53	" 14	F	00	20								
	" 21	e?	17	01.1								
	e		04.9	4								
	MN		09.14	14			3 $\frac{1}{2}$					
	ME		13.02	14				2				
		F	17	30								

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.	
			h.	m.	s.		A _N	A _E	A _Z			
							μ	μ	μ			
54	1927 May 22	iP	22	45	26	5	+8	-5	-7	9160 (82.4°)	Dilatation Computed azimuth; (from iP) 326° (P. 34° W.) hence, computed; φ, 36° N. λ, 106° E. Kan-Su. h m s 0, 22 33 06	
		iPR ₁	48	42	6	6	2	-5				
		eS	55	49	9	9						
		iS	55	55	9	9			-35			
			56	06	9	9	30	60				
		PS	56	45	10	10	20	8				
		SR ₁	23	01	44	14	5	35				
		eL	11	5	40	40						
		ME ₁	13	41	28	28		190				
		MN ₁	14	40	24	24	80					
		MN ₂	15	53	28	28	120					
		CME ₂	18	53	24	24		84				
		MN ₃	20	15	24	24	230					
		MZ ₁	20	44	24	24			82			
		ME ₃	20	54	23	23		220				
		MN ₄	21	04	24	24	240					
		ME ₄	21	47	24	24		260				
		MN ₅	23	08	25	25	350					
		ME ₅	24	03	20	20		200				
		MN ₆	24.7	20	20	20	380		57			
		MN ₇	25	58	20	20	240					
		ME ₆	26	42	20	20		180				
		MZ ₃	27	02	20	20			38			
		MN ₈	28	57	19	19	200					
		ME ₇	29	06	20	20		170				
		MZ ₄	30	55	20	20			36			
		MN ₉	31	30	19	19	180					
		ME ₈	32	53	20	20		200				
		MZ ₅	36	07	18	18			45			
		MN ₁₀	37	25	18	18	80					
		ME ₉	37	47	18	18		90				
		CE ₁	46	23	16	16		27				
		CN ₁	48	29	15	15	21					
CE ₂	49	27	14	14		18						
CN ₂	53	08	16	16	26							
CE ₃	54	12	16	16		34						
CE ₄	56	13	18	18		33						
CN ₃	00	04	09	16	12							
CE ₅	05	34	16	16		11						
CE ₆	20	25	18	18		12						
CN ₄	29	10	17	17	11							
CN ₅	52	02	12	12	5							
W ₂ series eW ₂	54.6	27	27	27								
MN ₁	1	02	01	20	20	20						
MN ₂	06	09	20	20	20							
ME ₁	08	00	16	16		7						
MN ₃	08	23	18	18	15							
MN ₄	11	25	20	20	16							
ME ₂	11	45	19	19		7						
ME ₃	13	10	20	20		11						
F	2	55										
e	9	55.0										
F	10	00										
55	" 26									Very small.		

*Wm Cheary H.
Director*

No.

6
 1927, June.
Riverview College Observatory
 SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	158	7.5	4.0	0.03
A _N (3)	120	8.1	2.9	0.03
A _E (1)	160	7.6	4.5	0.029
A _E (3)	150	8.9	2.3	0.04
A _Z (2)	83	5.0	3.0	0.100

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A _N	A _E	A _Z		
			h.	m.	s.		μ	μ	μ		
56	1927 June 3	eP	7	18	38	4	$\frac{1}{2}$			3710	Condensation. Computed azimuth (from IP); 317° (N. 43° W.) hence, computed; $\phi, 8^\circ$ S. $\lambda, 129^\circ$ E. h m s 0, 7 11 41 Felt in Darwin, Pine Creek, Daly Waters etc. (N. Territory, Aus- tralia.) Remarkably short periods through- out.
		iP		18	42	4	-7	+6	+5	33.4°)	
		iPR ₁		19	39	4	-11	+7	+13		
		PR ₂		19	53	4	31	33			
		iS		23	56	4	-70	+31	+14		
		ISR ₁		26	00	4	-250	+70	+40		
		SR ₂		26	42	4	200	65	60		
		eL		28.3		12?					
		MN ₁ , ME ₁		28.6		4	240	250	240		
		MZ ₁		29	15	4			180		
		MZ ₂		29	50	4	450				
		MN ₂		30	06	4		520			
		ME ₂		30	50	4			170		
		MZ ₃		31.4		4	420	340			
		MN ₃ , ME ₃		32	04	4			130		
		MZ ₄		33	15	4	260				
		MN ₄		33	25	7		310			
		ME ₄		35	52	9		350			
		ME ₅		36.3		8	270		240		
		MN ₅ , ME ₅		38	38	9	160				
		MN ₆		39	36	11		320			
		ME ₆		42	10	12		230			
		ME ₇		43	28	10	120				
		MN ₇		44	06	12		200			
		ME ₈		46	39	9	70				
		MN ₈		48	21	9			12		
		CZ ₁		49	47	11		110			
		ME ₉		53	00	10		56			
		ME ₁₀		54	10	9	50				
		MN ₉		56	50	10			20		
CZ ₂		57	53	10		30					
ME ₁₁		8	02	34	10	30					
MN ₁₀		04	07	12		50					
ME ₁₂		12	28	12		15					
CN ₁		12	43	12			20				
CE ₁		17	12	12			24				
CE ₂		20	07	11		12					
CN ₂		24	29	12			13				
CE ₃		31	06	12		13					
CN ₃		36	08	12			8				
CE ₄		52	06	10		6					
CN ₄		9	57.3								
eW ₂ ?		13	30								
F											

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
57	1927 June 6	e	12	40.1						Very small.	
		e		41.1							
		ME		45 30	12		4				
		F	15	00							
58	" 6	e	18	29.8							
		eL		36.2	20?						
		ME ₁		37 24	24			34			
		ME ₂		39 48	18			25			
		MN ₁		40 45	12	7					
		MN ₂		46 08	12	3					
		F	19	20							
59	" 11	e	2	41.1							
		eL		54.1	24						
		MN ₁		57 06	18	34					
		ME ₁		57 26	18			25			
		ME ₂	3	03 36	12			5			
		MN ₂		07 08	12	6					
		F	3	45							
60	" 14	eP	17	21 16					2180		
		iP		21 20	5	27	-8	-14	(19.6°)		
		eS		24 51	7		6				
		eL		26.1	27						
		MN ₁		26 45	20	200					
		ME ₁		26 56	16		195				
		MZ ₁		27 06	19			110			
		MZ ₂		27 27	19			130			
		ME ₂		28 24	10		110				
		MN ₂		28 51	10	125					
		MN ₃		29 36	10	120					
		ME ₃		30 10	10		58				
		MN ₄		31 12	9	68					
		ME ₄		31 19	10		78				
		MN ₅ , ME ₅		33 08	8	41	47				
		CN ₁		48 01	8	12					
		CE ₁		51 00	8		10				
		CN ₂		51 20	8	9					
		CN ₃		54 36	8	2					
		CE ₂		54 45	8		7				
		F	20	05							
61	" 23	ez	6	00.9						Very small.	
		e		01.3							
62	" 27	iP	12	34 40	3	-1 $\frac{1}{2}$	+1			" "	
		iS		39 59	4	-2 $\frac{1}{2}$	+5				
		eL		43.6	16						
		MN		52 00	10						
		F	13	05							
63	" 28	e	11	17.6							
		S?		21.8	6						
		eL		24.1	18						
		ME		26 47							
		MN		27 15							
		F	12	00							

Wm. Henry St.
Director

No.

7

1927, July.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49''$ S.

 $\lambda = 151^{\circ} 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	158	7.7	4.0	0.03
(3)	113	8.2	3.0	0.03
A _E (1)	170	7.6	4.6	0.03
(3)	103	9.1	2.9	0.04
A _Z (2)	80	5.1	3.3	0.09

No.	Date.	Phase.	Time		Per.	Amplitude.			Δ	Remarks.	
			(Greenwich)			A _N	A _E	A _Z			
			h.	m.		s.	μ	μ			μ
34	1927 July 3	eP	10	45	17	2			3090		
		iPR ₁		46	42	6		2	(27.8°)		
		eS		50	55						
		eL		53.6		26					
		ME ₁		57	12	15		8			
		MN ₁		57	21	11	4				
		ME ₂		58	10	15		12			
		MN ₂		59	15	12	5				
35	" 5	F	11	25							
		e	07	35.5							
		e(L?)		39.4		15					
66	" 10	MN		43	22	11	3				
		F	08	00							
		iP	04	05	04	4	-2½	-4½	2520		
		iS		09	03	7	+17	-5	(22.7°)		
				09	12	7	8	11			
67	" 11	eL		11.1		21				Palestine. Very small. Masked by microseisms.	
		MN, ME		12.9		17	11	10			
		F	04	40							
		M	14	11	10						
68	" 12	e(P?)	21	19	53				3700?		
		e(S?)		29	56	7					
		eL		42.5		19					
		MN	22	02	09	?					
		F	22	45							
69	" 14	e	23	26	03	6					
		e(S?)		31	04	?					
		eL		34.9		16?					
				35	13	6	13				
		MN		37	12	8	9				
		ME		37	31	8		9			
		F	00	10							
		eL	09	01.0		30?					
70	" 17	eL							A few long waves.		
		eP	11	25	03					3070	
71	" 18	PR ₁		25	32	6		6	(27.6°)		
				26	08	6		9			
		iS		29	39	7	+8	+9			
				29	59	7	7	8			
		eL		32.1		26					
		ME ₁		33	09	24		44			
		MN ₁		33	55	17	43				
		ME ₂		35	33	17		26			
		MZ		36	07	15			19		
		MN ₂		36	59	14	11				
		F	12	30							

(Continued on next sheet.)

No. 7 (continued)

1927, July.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A_N μ	A_E μ	A_Z μ		
72	1927 July 22	eP'	04	14	12						
		ePK ₁		15	27						
		eL		51.6		26					
		MN ₁		59	34	19	5				
		ME ₁	05	00	08	19		10			
		ME ₂		03	08	19		10			
		MN ₂		03	14	19	7				
		ME ₃		06	27	19		7			
		MN ₃		09	06	19	5				
		MN ₄		12	37	19	5				
		ME ₄		13	15	19		5			
73	" 23	F	05	50							
		eL	04	14.1	19						Very small.
		MN		15	56	12					
ME		16	44	12							
74	" 28	F	04	30							
		e?	04	25.5							
		e		29.5							
		eL		30.1	18						
		MN ₁		31	53	17	8				
		ME ₁		32	38	10		2			
		MN ₂		33	46	11	6				
ME ₂		36	20	11		3					
75	" 28	F	04	50							
		eL	17	04.6	19						A few long waves.
76	" 29	e	15	22.2							
				25	55	4	1				very small near shock.
				26	24	4		2½			
F	15	40									
77	" 31	e(L?)	03	59.7	18						
		M	04	03	00	15	4	6			
		F	04	15							

Wm. Healy P.



Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

$\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N	165	7.5	3.8	0.03
	132	8.0	2.9	0.03
A _E	170	7.6	5.0	0.03
	115	9.0	3.4	0.049
A _Z	84	5.0	3.6	0.03

No.	Date.	Phase.	Time			Per.	Amplitude.			Δ	Remarks.
			(Greenwich)				A _N	A _E	A _Z		
			h.	m.	s.						
78	1927 August	2 eL	07	14.7	16						
		ME		16 12	12			4			
		MN		16 55	12		2				
		F	07	30							
79	"	4 eP	15	55 45					2780?		
		iP		55 50	2					iP from Vertical.	
		i		59 16	4	+8	-10				
		i(S?)	16	02 08	4	-7½	-4				
		PS?		02 13	4	9					
		i(L?)		07 40	8						
				08 15	6	7	5				
		MN		10 34	4	8					
		F	16	35							
80	"	5 eP	21	24 16	4				7780	Japan.	
		eS		33 33	8				(70.0°)		
		iS		33 36	8	6	16				
		PS		34 07	8	6	5				
		PPS		34 33	10	6	4				
		S _c S		35 08	9	8					
		eSR ₁		38 08	16						
		eL _E		43.1	32						
		eL _N		46.3	32						
		ME ₁		50 11	16		12				
		MN ₁		50 29	24	29					
		ME ₂		53 49	18		12				
		MN ₂		54 00	20	20					
		MN ₃	22	03 15	20	8					
		ME ₃		08 52	20		15				
		ME ₄		09 56	20		19				
		MN ₄		11 35	20	8					
		F	23	20							
81	"	8 iP	18	50 06	4	-1½	+2	+2	6640?		
		PR ₁		51 58	6	1					
		i(S?)		58 17	5	2	5				
				58 32	8	6	8				
		eL	19	03.1	18						
		MN		04 32	10	4					
		ME		04 38	10		2				
		F	19	40							
82	"	10 eSR ₁ ?	02	03.7	18						
		eL		36.2	26						
		ME ₁		44 42	16		3				
		ME ₂		51 18	16		5				
		F	03	20							

(Continued in next sheet)

No. 3 (continued)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A _N	A _E	A _Z		
			h.	m.	s.		μ	μ	μ		
83	1927 Aug. 10	eP	11	43	31	6				4060 (36.5°)	
		PR ₁		45	04	8		5	3		
		eS		49	11	8		2½	3		
		PS		49	19	12			14		
		P _c S		49	28	14		59	54		
		SR ₁		51	26	20			44		
		SR ₂		52	11	20			140		
				52	20	14		85			
		eL		54	5	30					
		ME ₁		56	18	20			185		
		MN ₁		56	32	20		145			
		ME ₂		57	22	20			970		
		MN ₂		57	30	16		380			
		ME ₃		58	28	18			830		
		MN ₃		58	59	16		420			
		ME ₄		59	07	16			730		
		MN ₄		59	33	14		270			
		ME ₅	12	00	09	14			860		
		MZ ₁		00	21	21			250		
		MN ₅		01	19	12		500			
		ME ₆		01	28	13			480		
		MN ₆		02	11	12		230			
		ME ₇	MZ ₂	02	3	12			210		440
		MZ ₃		03	46	12					200
		MN ₇		04	26	12		160			
		ME ₈		05	06	12			160		
		MN ₈		08	37	10		66			
		ME ₉		10	26	11			73		
		CE ₁		16	41	12			37		
		CN ₁		18	31	12		36			
		CE ₂		23	00	12			22		
		CN ₂		24	07	12		32			
		CN ₃		31	28	12		17			
		CE ₃		32	07	12			12		
		F		15	10						
e?	" 18	19	39.8								
e		41.7		4							
iS		4	59	5		5	5				
iPPPS		49	01	8			6				
e(SR ₂)		56	24	18							
eL		20	01.0	24							
ME ₁			03	23	18		9				
MN ₁			04	00	18		9				
ME ₂			07	12	18		15				
MN ₂			07	50	20		16				
ME ₃			10	00	18		15				
MN ₃			11	03	18		15				
ME ₄			15	30	18		9				
MN ₄			18	18	16		7				
MN ₅			23	01	16		9				
ME ₅			23	20	16		7				
F		21	30								

(Continued on next sheet.)



No. 8 (continued)

1927, August.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.	
			h.	m.	s.		A_N μ	A_E μ	A_Z μ			
85	1927 Aug. 21	eP	00	10	01							
		eP'		13	00							
		c(PR ₂ ?)		17	.7	5						
				23	33	10		2				
		ePS		25	18	12						
		eSR		32	11	15						
		SPS		32	40	16						
		ePSSS		36	45	16						
		eSR ₂		37	18	?						
		eL		54	.1	22						
		ME ₁		56	24	20			11			
		MN ₁		58	00	18		9				
		ME ₂	01	01	36	16			7			
		ME ₃		09	48	16			7			
		MN ₂		10	01	16		12				
		MN ₃		26	21	16		5				
		MN ₄		29	31	16		7				
eW ₂	02	01	.0	20								
F	02	45										
86	" 21	e?	22	46	.3							
		eP		48	15	3				1980		
		IS		51	34	5	2	2		17.8°		
				51	42	5	5				Very small.	
				52	00	5	3					
		eL		53	.8	?						
		MN		55	50	?						
87	" 22	F	23	15								
		eP	18	18	58	3				2410		
		eS		22	49	6				(21.7°)		
		eL		24	.1	24						
		ME ₁		25	34	12			6			
		MN ₁		25	58	10	6					
		ME ₂		29	10	10			3			
MN ₂		30	07	8	4							
88	" 24	F	19	15								
		e	18	28	.1							
		eL		41	.4	20						
		MN		46	21	20	8					
		ME		50	24	19			7			
F	19	20										

Low. O'Leary

No.

9

1927, September.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49''$ S.

 $\lambda = 151^{\circ} 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
Δ_N (1)	163	7.5	3.8	0.03
(3)	132	8.0	2.9	0.03
Δ_E (1)	170	7.6	5.0	0.03
(3)	115	9.0	3.4	0.04
Δ_Z (2)	83	5.1	3.4	0.09

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.	
							Δ_N	Δ_E	Δ_Z			
							μ	μ	μ			
89	1927 Sep 3.5	e (PR ₁)	20	11.3								
		e (SR ₁)		36.7								
		eL	21	02.4	28							
		MN ₁		09 24	20	8						
		MN ₂		15 21	18	3						
		ME ₁		17 24	18		3					
		MN ₃		20 00	18	6						
		ME ₂		24 15	18		3					
		F	22	15								
		90	" 4	eP	20	01 13					1190?	
i (S?)				03 17	4	2	4 $\frac{1}{2}$					
eL				04.4	10							
MN ₁				05 36	8	6						
ME ₁				06 10	8		6					
ME ₂				08 50	8		2					
MN ₂				09 05	8	2						
F	20			20								
91	" 5			e?	01	05.7						
				eL		13.2	28					
		ME		16 00	16		5					
		MN		21 48	14	4						
		F	01	45								
		92	" 7	iP	20	02 01	4	+2 $\frac{1}{2}$			2630	
				i		02 10	4		2 $\frac{1}{2}$		(23.7°)	
						02 19	7		9	1		
				iS		06 08	29	13	26			
				eL		07.3	24 $\frac{1}{2}$					
MN ₁				09 23	10	42						
ME ₁				09 23	10		70					
MZ ₁				09 51	12			17				
ME ₂				10 08	9		38					
MN ₂				10 52	10	36						
93	" 8	MN ₃ , ME ₃		12.4	9	34	32					
		MN ₄		13 08	8	26						
		ME ₄		14 59	8		13					
		F	22	25								
		e	17	16.2								
		eL		21.4	22							
		MN ₁		26 44	20	8						
		ME ₁		28 57	20		11					
		MN ₂		27 44	18	16						
		ME ₂		29 13	15		10					
MN ₃		30 13	16	14								
ME ₃		31 06	14		10							
MN ₄		33 05	14	11								
xF	18	10										

(Continued on next sheet.)



No.

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date. 1927	Phase.	Time (Greenwich)	Per.	Amplitude.			Δ km.	Remarks.
					A _N μ	A _E μ	A _Z μ		
94	Sept. 8	e	00 50.8	8.					
		eL	49.3	22					
		ME ₁	51 36	22		9			
		MN ₁	51 42	18	10				
		MN ₂	54 21	16	5				
		ME ₂	55 09	18		6			
	" 9	F	00 10						
95	" 9	e	04 11.2						
		e	15.6						
		e(L?)	19.2	?					
		MN	22 21	14	4				
		F	04 55						
96	" 11	e	22 36.8						
		e	49.1						
		eSR ₁	55 16	13					
		eSR ₂	23 01 10	30?					
		eL (S)	18.3	24					
		eL (F)	22.8	36					
		ME ₁	25 14	30		18			
		MN ₁	29 34	30	28				
		ME ₂	29 40	30		18			
		ME ₃	32 17	26		13			
		MN ₂	33 59	24	12				
		ME ₄	36 12	22		18			
		MN ₃	39 12	20	12				
		ME ₅	41 17	20		19			
	" 12	F	00 55						
97	" 13	eP	10 20 54	4			2600	Felt strongly at	
		iP	20 57	4	-5	-5	+2½	(23.4°)	Vila, New Heb-
			21 11	4	8	10			rides.
		iS	24 58	7	-10	+7			
			25 05	7	34	29			
			25 15	9	42				
		eL	26.2	20					
		ME ₁	27 46	18		15			
		MN ₁	28 33	16	24				
		ME ₂	28 38	16		18			
		MN ₂	29 42	16	14				
		F	11 40						
98	" 17	i(P?)	00 49 51	4	3				Masked by heavy
		eL	01 03.2	20					microseisms.
		MZ	07 38	12		12			
		MN ₁	07 45	10	20				
		ME ₁	07 55	10		26			
		MN ₂	09 53	8	11				
		ME ₂	10 12	8		8			
		F	01 55						
99	" 18	e	02 09.1						
		eL	12.3	?					
		MN	13 30	16	12				
		F	02 40						
100	" 19	e?	08 36.4						
		e(S?)	41.3	12					
		eL	44.6	22					
		MN ₁	46 09	20	20				
		ME ₁	46 25	20		11			
		MN ₂	47 31	16	12				
		ME ₂	49 26	16		9			
		MN ₃	50 19	16	10				
		F	09 45						
101	" 23	eL	14 24.5						A few long waves.

Wm. Cheary A.

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^\circ 49' 49''$ S. $\lambda = 151^\circ 9' 30''$ 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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	158	7.7	4.0	0.03
A _N (3)	113	8.2	3.0	0.03
A _E (1)	170	7.6	4.6	0.03
A _E (3)	103	9.1	2.9	0.04
A _Z (2)	80	5.1	3.3	0.09

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
102	1927 Sept. 30	e(P?)	23	54.1							
	Oct. 1	eL	00	02.1	20						
		MN ₁	03	34	14	7					
		ME ₁	03	59	16		7				
		MN ₂	05	00	12	10					
		ME ₂	05	34	16		7				
		F	00	50							
103	" 10	e	23	24.9							
		e(S?)		28.9							
		eL		32.2	20						
		MN	32	46	15	4					
		ME ₁	35	20	15		8				
104	" 11	F	17	50	0h	10m.					
	" 11	e	17	25.2							
		eL		29.1	18						
105	" 13	ME	31	21	12		2				
		MN	32	24	12	2					
		F	17	50							
		e	04	29.5							
		eS	32	41	10						
		eL	36.4	16							
		MN ₁	40	05	16	7					
106	" 16	ME ₁	41	45	10		2				
		ME ₂	44	43	12		2				
		MN ₂	45	21	12	5					
		F	05	15							
		eP?	12	33	49						
		eL	49.3	20							
		MN ₁	50	30	16	5					
107	" 18	ME ₁	51	24	18		9				
		ME ₂	53	09	16		7				
		MN ₂	57	25	10	2					
		F	13	25							
		e	22	52.8							
		eL	59.2	18						Very small.	
		MN	23	07	53	16	4				
108	" 19	eP?	22	04	58					2500?	
		eS	08	58	12						
		eL	10.7	20							
		ME	12	18	12		12				
		MN ₁	13	28	11	11					
		ME	15	10	5		10				Perhaps 2nd. shock.
		MN ₂	15	30	7	5					
F	23	00									

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per.	Amplitude.			Δ km.	Remarks.
							Δ _N	Δ _E	Δ _Z		
			h.	m.	s.		s.	μ	μ		
09	1927 Oct. 24	e(P?)	16	13	31						
		ePR ₄		25	10						
		ePS		28	15	20					
		eSR		34	25	20					
		eL(S)		44.6		40					
				45	49	40	120	160			
		eL(E)		50.2		30					
		ME ₁		57	33	16		32			
		MN ₁	17	00	15	18	15				
		MZ ₁		01	28	16			12		
		ME ₂		03	17	16		18			
		MZ ₂		05	15	16			12		
		MN ₂		06	21	16	21				
		ME ₂		11	36	16		9			
		MN ₃		16	00	16	10				
		eV ₂	18	10.2		20					
		W ₂ series - MN ₁ , ME ₁		13.4		20	11	15			
		MN ₂		20	35	20	16				
		MN ₃		25	33	20	8				
		ME ₂		28	53	20		7			
F	20	00									
10	" 25	eP	15	46	13	4			1510		
		eS		48	49	6			(13.6°)		
				49	03	6		4			
		eL		50.5		14					
		MN		51	29	6	1				
		ME		52	10	6		2			
11	" 27	F	16	15							
		e	07	39.7		?					
		e(S?)		42.3		?					
		eL		46.3		?					
		ME		51	45	14		9			
		MN		53	14	14	9				
F	08	15									

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A _N	A _E	A _Z		
			h.	m.	s.		μ	μ	μ		
116	1927 Nov. 7	iP	00	09	08	2	-	2½	3	2880 (25.9°)	
		eS		13	34	6	1	2½			
		eL		15	.2	18					
		ME ₁		17	04	18		7			
		MN ₁		17	24	18	6				
		ME ₂		20	18	14		4			
		MN ₂		20	38	14	2				
		F	00	50							
117	" 7	e	19	51	.4				A few long waves		
		•		56	.2						
118	" 8	eP	03	22	11	3				8200 (74°)	
		eS		31	44	8					
		eL		46	.4	22					
		ME ₁		49	02	18		11			
		MN ₁		50	30	16	3				
		ME ₂		51	24	16		7			
		MN ₂		56	24	14	2				
		F	04	55							
119	" 9	e	01	13	.9				4100?		
		eL		20	.5	28					
		ME ₁		22	12	20		17			
		MN		23	58	16	8				
		ME ₂		25	50	12		19			
		F	02	10							
120	" 10	eP?	03	13	.1				4100?		
		iz		13	13	2?					
		e		14	.1						
		e(S?)		18	.8	8?					
				19	43	5		12			
				19	59	5		13			
				20	09	5	12				
		eL		20	.2	13					
				21	49	5	11	8			
		ME		22	33	11		4			
		MN		22	40	11	3				
		F	03	50							
		121	" 14	eLE	01	03	.1	22			
eLN				10	.1	20					
MN				17	09	16					
122	" 14	e?	05	13	.7						
		iPR ₂		21	46	4	2	2			
		eL		48	.9	20?					
		MN ₁		57	09	18	4				
		MN ₂	06	02	08	16	3				
		MN ₃		05	56	16	3				
		ME ₁		09	20	16		2			
		ME ₂		14	08	16		4			
		F	07	10							
				07	44	03	5	5		2	
123	" 14	eSR ₁		52	40	10					
		eLE	08	03	.7	26					
		eLN		07	.6	24					
		ME ₁		08	22	24		8			
		MN		13	10	16	6				
		ME ₂		13	26	16		3			
		F	09	10							

(Continued on next sheet)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A_N μ	A_E μ	A_Z μ		
124	1927 Nov. 14	eL	15	46.8	20						
		ME		53 16	?						
		MN		53 23	16	5					
		F	16	40							
125	" 15	e(P?)	06	04 04					2460?		
		e(S?)		08 00							
		eL		09.9	16						
		MN ₁		10 14	14	6					
		ME		10 58	14		5				
		MN ₂		12 08	10	3					
		F	06	30							
126	" 16	iP	21	18 39	3	5	2		5140 (46.3°)	h m s 0, 21 09 59	
		iz		20 26	4			5			
		PR ₁		20 32	4	7	7				
		iS		25 23	10	21	16				
		PS		25 32	10	30	25				
				25 55	10	24	41				
		iSR ₁		28 48	10	48	28				
				29 00	10	88	105				
				29 13	10	88	110				
				29 17	10	83	88				
		eL		29.9	?						L waves early.
				34 11	12		53				
				35 07	12	32					
		ME ₁		36 39	14		60				
		ME ₂		38 25	20		125				
		MN ₁ , ME ₃		39 35	20	140	175				
		MZ ₁		39 39	18			74			
		MN ₂		40 17	20	120					
		ME ₄		40 49	20		230				
		ME ₅		41 21	20		155				
		MZ ₂		42 09	18			30			
		MN ₃		42 23	20	110					
		MN ₄		44 08	16	73					
		F	23	45							
127	" 17	eP	13	58 02					2780 (25.0°)		
		iS	14	02 22	4	2 $\frac{1}{2}$	5				
				02 26	4	5	16				
		i		03 42	4	9					
		SR ₁		04 02	4	10	8				
		SR ₃		04 40	4	6	13				
		eL		05.3	12						
				06 00	5	14					
		MN, ME ₁		07 30	10	14	10				
		ME ₂		10 08	10		12				
		F	lost in no. 128.								
128	" 17	e	14	43.9							
		eL		45.2	?						
		VME		51 42	14		2				
		MN		51 52	14	2					
		F	15	20							
129	" 18	e	03	35.4							
		e(S?)		44.1	7						
		eL		51.1	16						
		MN		52 46	14	5					
		F	04	35							

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A_N μ	A_E μ	A_S μ		
130	1927 Nov. 19	e	07	36	5						
		eL		42	9	20					
		ME ₁		45	56	18		9			
		MN ₁		46	14	18	4				
		ME ₂		48	15	18		11			
		MN ₂		55	06	12	3				
		F	08	45							
31	" 21	eP	23	25	39	4			9330	h m s 0, 23 12 57	
		iS		36	06	8	2 $\frac{1}{2}$	2			
		ScPcLcS		36	21	8	2	1			
		eL		50	4	36					
		MN ₁ , ME ₁		57	04	22	39	32			
		MZ ₁		59	18	18			30		
	" 22	MN ₂ , ME ₂		59	59	18	26	32			
		MZ ₂	00	01	59	18			30		
		LN ₃		02	00	18	22				
		LE ₃		02	19	18		35			
		MN ₄ , ME ₄		05	00	16	15	18			
		MN ₅		13	04	16	11				
		ME ₅		15	23	16		9			
		ME ₆		19	00	16		13			
		MN ₆		19	19	16	11				
		MN ₇		25	18	16	10				
		F	02	15							
2	" 26	e(L?)	13	18	.1						Very small.
3	" 28	MN		23	.2						
		e?	10	23	.0						
		eL		33	.0	20					
		MN ₁		36	14	14	2				
		ME ₁		38	36	14		3			
		ME ₂		42	56	14		3			
		MN ₂		44	05	14	2				
		F	11	05							
4	" 30	e(L?)	18	52	.1						" "
		MN		56	58	12	2				
		F	19	10							

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

 $\phi = 33^{\circ} 49' 49'' \text{ S.}$
 $\lambda = 151^{\circ} 9' 30'' \text{ E.}$
 $h = 41.9 \text{ m.}$

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	$\epsilon:1$	$\frac{r}{T_0^2}$
A _N (1)	244	11.7	7.1	0.02
(3)	111	8.3	4.2	0.04
A _E (1)	237	11.2	5.1	0.02
(3)	95	12.2	5.6	0.02
A _Z (2)	87	5.1	3.0	0.09

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.	
			h.	m.	s.		A _N μ	A _E μ	A _Z μ			
135	1927 Dec. 1	eP?	04	45	08					5370?		
		e(S?)		52	06							
		SR ₁ ?		53	54	10						
		eL ₁		55	.0	20						
		MN ₁	05	01	50	20	18					
		MN ₂		03	20	20	30					
		ME ₁		03	30	20		20				
		ME ₂		05	11	18		16				
		MN ₂		07	22	20	20					
		ME ₃		08	04	18		21				
		MN ₃		10	06	18	16					
		ME ₄		12	17	18		9				
		F	05	50								
136	" 4	e	07	04	06					Very small.		
		i		09	50	3	2	2				
		i		10	38	3	3					
137	" 5	eL	18	31	.1	?						
		MN ₁		40	07	18	10					
		ME		41	14	18		7				
		MN ₂		44x26		16	3					
		F	19	05								
138	" 8	eL _N	00	19	.4	30				A few long waves.		
		L _E		27	.4	30						
139	" 11	e(S?)	15	39	.8							
		eL		44	.1	16?						
		ME ₁		48	20	18		7				
		MN ₁		49	.00	16	8					
		ME ₁		49	16	18		13				
		ME ₂		50	53	16		7				
		MN ₂		52	40	16	6					
		F	16	30								
		iP	17	33	05	4	2½	5	½		4780	0, 17 24 52 (43.0°)
		iPR ₁		34	37	4	1	2				
		34	46	4	4	3						
iS		39	25	5	2½	3						
eL		45	.6	24?								
MN ₁		48	05	20	13							
ME ₁		49	32	15		5						
MN ₂		50	06	16	12							
ME ₂		53	08	16		9						
MN ₃		53	14	16	5							
ME ₃		55	13	16		5						
F	18	40										

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
141	1927 Dec. 12	e	19	02.3							
		eL		05.7	20						
		MN ₁	08	15	14	4					
		ME ₁	08	53	16			3			
		ME ₂	10	06	14			6			
		MN ₂	11	07	14	5					
142	" 15	ME ₃	13	19	14			4			
		F	19	50							
		e?	16	24.2							
		e		27.3							
		iS	30	04	6	4					
		eL	32.1	20?							
143	" 20	MN ₁	33	38	12	6					
		ME ₁	35	03	16			5			
		MN ₂	36	17	12	4					
		MN ₃ , ME ₂	38	00	12	3		4			
		F	17	10							
		e	06	04.1							
144	" 21	e(L?)		08.4	20?						
		ME ₁	10	07	16			8			
		MN ₁	10	17	16	4					
		MN ₂	12	06	10						
		ME ₂	13	36	10			2			
		F	06	45							
145	" 22	e	04	33.8							
		eL		40.9	18						
		MN	43	15	16	5					
		ME	45	08	16			3			
146	" 26	F	05	00							
		e	14	07.4							
		eL		11.4	24?						
		MN	12	37	16	5					
146	" 26	ME	14	28	12			2			
		F	14	40							
		i	10	45	04	4	7	7			
		ME	52	00	14			10			
146	" 26	MN	52	06	14	9					
		F	11	00							

(Continued on next sheet.)

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.



No.	Date.	Phase.	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
							A _N	A _E	A _Z		
							μ	μ	μ		
47	1927 Dec. 28	eP	18	33	26	4				10.500	
		eS _c P _c S	44	06		12					
		eS	44	40		12					
		ePS	45	34		12					
		eSR ₁	50	34		24					
		eL	58.1			28					
			58	36		32	33	52			
			19	02	16	28	30				
		MN ₁	09	07		20	35				
		ME ₁	10	02		20		20			
		MN ₂	12	45		20	18				
		vME ₂	13	21		20		11			
		MN ₃	14	15		20	12				
		ME ₃	16	28		20		8			
		MN ₄	18	19		20	12				
		MN ₅	25	53		20	8				
		ME ₄	26	21		20		6			
		MN ₆	32	08		16	9				
		ME ₅	36	08		16		12			
		eW ₂	20	41.6		20					
		ME	49.9			18		2			
		MN	51	48		?					
		F'	21	15							
48	" 30	i	06	15	04	2	3½	2¾		Very small.	
		i	15	56		2	1½				
		e(L?)	19.4			14					
		MN	21	05		8	2				
		ME	22	00		10		1			
49	" 31	F'	06	30						1280	
		iP _Z	09	17	51	1					
		i	19	54		1	1	½			
		iS	20	05		2	3	2			
		eL	20.4			6					
		MN	20	43		3	1				
		ME	31	18		3		2			
F	09	24									

RIVERVIEW COLLEGE OBSERVATORY,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.



No.	Date	Phase	Time (Greenwich)			Per. s.	Amplitude.			Δ km.	Remarks.
			h.	m.	s.		A _N μ	A _E μ	A _Z μ		
ADDITION to 1927 December, Bulletin.											
No. 51. 1927	Dec. 31	iP	23	17	57	6	6			2370 (21.3°)	
		eS		21	46	8		11			
				22	04	8	16				
		eL		23	.1	26?					
		MN ₁ , ME ₁		25	00	10	26	42			
		MN ₂		26	26	10	35				
		ME ₂		27	11	9		27			
1928	Jan. 1	ME ₃		29	12	8		22			
		MN ₃		29	44	8	18				
		F	00	40							

WM. O'LEARY S J.