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)	172	8.0	3.1	0.01
	(3)	131	8.7	2.3	0.03
A_E	(1)	177	7.8	4.0	0.02
	(3)	122	9.0	3.1	0.03
A_Z	(2)	~~80~~	~~4.9~~	~~4.9~~	~~0.05~~

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
	1924								
1	Jan.11	e(PR_1)	20 02 37						
		e(S?)	05 44	?					
		eL	09.7	20					
		ME_1	12 15	12		13			
		MN_1	12 41	13	7				
		ME_2	14 25	12		9			
		MZ	18 29	11			3		
		MN_2	18 38	10	6				
		MN_3	21 35	10	13				
		ME_3	22 28	10		5			
		CN	23 49	9	3				
		CE	25 01	11		4			
		F	21 10						
2	" 14	eP	21 01 24	4	2	$\frac{1}{2}$		7760	0, 20 50 06
		eS	10 32	6	$\frac{3}{4}$	2		(69°8)	
			10 58	6	6	2			
		eL	20.0	24					
		ME_1	22 28	22		37			
		MN_1	27 44	20	32				
		MZ_1	28 38	20			20		
		ME_2	30 28	16		19			
		MN_2	32 12	16	38				
		MZ_2	32 20	18			11		
		ME_3	32 32	18		20			
		MN_3	34 24	16	20				
		ME_4	34 43	16		10			
		C	42.5	17	7	4			
		F	00 00						
3	" 14	e	22 55.1						
		MN	56 56	18	3				
		ME	57 12	18		5			
		F	Lost in No.2.						
4	" 15	eP	02 59 48	4				2500	0, 02 54 25
			03 00 00	4	7	12		(22°5)	
		eS	03 53	7	4	8			
		eL	05.6	20					
		ME_1	07 40	16		10			
		MN_1	08 23	14	14				
		ME2	11 55	11		4			
		MN_2	12 54	10	2				
		MN_3	16 32	10	1				
		ME3	16 40	10		3			
		CN	24 12	12	2				
		CE	24 44	12		3			
		F	04 00						

(Continued on next sheet)

Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

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

INSTRUMENTS:

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

	V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N				
A_E				
A_Z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude. A_N	Amplitude. A_E	Amplitude. A_Z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	h m s
5	Jan. 16	eP	21 43 38	4	-	1		2810	0, 21 37 55
		ePR1	44 33	4	-	1		(25°.3)	
			44 57	4	2	13			
		iS	48 07	5	+5	+6			
		iSR1	50 02	6	+6	+5			
		eL	50.8	?					
		MN1	52 39	12	6				
		ME1 (i?)	53 47	6		11			
		MN2	55 07	5	5				
		ME2, MN3	59.2	11	3	4			
		ME3	22 07 59	11		3			
		F	23 15						
6	" 23	e	1 42.9						Heavy microseisms.
		ME	44 38	?					
		F	1 50						h m s
7	" 25	eP	6 27 37	4				3110	0, 6 21 17
		iP	27 41	4	+5	+6		(27°.9)	
		i	28 07	4	+11	+7			
		iPR1	28 24	5	+17	+13			
			28 26	5			24		
			28 32	5	28	23			
		iS	32 37	7	+11	-13			Origin (computed from iPR1):-
		PS	32 38	7	22	13			φ, 11°S.
			32 54	7	42	25			λ, 167°E.
		eL	33.9	18					(approx.)
		ME1	36 47	14		13			
		MN1	36 56	11	21				
		MN2	40 56	11	12				
		ME2	39 17	11		6			
		F	8 05						
8	" 26	e(P?)	3 26 44					2560?	
		eS	30 54	6		2			
		eSR1	32 12	7	-7	+10			
		MN	38 17	5	5				
		ME	39 37	9		8			
		F	4 20						h m s
9	" 29	eP	2 13 13	4				8320	0, 2 01 30
		eS	22 49	?				(74°.9)	
		eL	39.0	30					
		MN1	39 49	26	11				
		ME1	40 13	26		12			
		ME2	47 02	20		10			
		MN2	47 38	20	6				
		ME3	49 49	16		6			
		MN3	50 27	16	7				F 4h 45m

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	8.0	3.0	0.017
	(3)	126	8.7	3.7	0.03
A_E	(1)	173	7.7	4.2	0.02
	(3)	166	9.0	2.1	0.03
A_z	(2)	86	4.8	3.3	0.06

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
10	Feb. 5	e(P?)	3 31 19					24007	
		eS	35 16	7					
		eL	36.7	?					
		ME	38 26	16		2			
		MN	38 46	20	3				
		F	3: 50						
11	" 11	e?	6 04.3						
		e(S?)	09.7						
			10 28	8	1	6			
		eL	15.4	25					
		M	19.8	16	11	17			
		F	7 40						
12	" (13	e	22 58.0						
	14	e	23 04.3	8		1			
		eL	10.9	28					
		MN_1	13 05	22	80				
		ME_1	13 44	20		50			
		MN_2	16 35	16	27				
		ME_2	17 45	14		3			
		F	0 20						
13	" 16	eP	0 25 46	5	1	1		2500	h m s 0.,0 20 23
		PR_1	26 06	5	1	1½			
		i	26 19	6	15	21			
		eS	29 51	6	2	5			
		PS	30 07	7	10	6			
		SR_1	30 47	7	18	11			
		eL	31.8	?					
		MN	33 51	16	10				
		ME	34 27	12		6			
		F	1 35						
14	" 18	e	17 54.8						
		eL	18 15.7	?					
		MN	18 35	20	1½				
		ME_1	18 41	20		5			
		ME_2	24 47	18		4			
		F	19 10						
15	" 29	e	9 00.8						
		eL	11.8	28?					
		ME	17 26	24		5			
		MN	20 18	18	5				
		F	10 00						

E.F. Pigott S.J.

No. 3 1924, March.

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

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INSTRUMENTS:

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

		V	T_o	ϵ : 1	$\frac{r}{T_o^2}$
A_N	1	158	8.0	2.9	0.015
	3	126	8.7	3.6	0.036
A_E	1	168	7.8	3.7	0.01
	3	171	9.0	2.7	0.03
A_Z	2	76	5.0	3.4	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.
	1924								
16	Mar. 4	e(PR_1)	10 29 20						
		eS	38 51	10	½	1			
			39 23	10	½	2			
		SR_1	45 50	15	2½	-			
		eL	11 06.4	28					
		ME_1	08 01	22		21			
		MN_1	08 19	18	5				
		MN_2	11 30	19	6				
		ME_2	13 19	18		17			
		MN_3	16 59	16	4				
		ME_3	22 16	18		17			
		MN_4	23 24	16	4				
		CE_1	34 12	15		5			
		CN_1	39 50	15	3				
		CE_2	43 36	16		4			
		CN_2	43 48	16	3				
		CN_3	51 24	18	5				
		F	13 25						
17	" 5	eP	4 31 26	3				3370	O.,
		iS	36 35	5	-9	+10		(30.3°	Timor Sea.
		eL	39.0	13					
		MN_1	40 29	6	17				Short wave-lengths.
		ME_2	42 29	6		23			
		MZ	42 45	5			30		h m s
		MN_2	42 56	7	26				O.,4 24 51
		ME_2	44 05	7		28			
		MN_3	45 33	8	26				
		ME_3	46 35	8		23			
		F	6 05						
18	" 7	e(P?)	21 11.3	4	¾	1¼			Short wave-lengths.
		e(S?)	14.3	8	½	1			
		M	19.3	6	1	1¼			
		F	21 40						

(Continued on next sheet)

Riverview College Observatory,

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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				

Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
1924		h. m. s.	s.	μ	μ	μ	km.	h m s
19 Mar. 15	eP	10 43 48	4	1	½		9210	0., 10 31 18
	eS	54 09	8	1¼	-		(82.9°)	
	eL	11 07.4	30					
	ME_1	08 33	23		5			
	ME_2	15 16	22		17			
	MN_1	16 51	20	7				
	MN_2, ME_3	19.2	16	6	11			
	F	12 25						
20 " 20	e	10 58.2	18					A few long waves.
								h m s
21 " 25	eP	11 38 32	4	-	1½		2400	0., 11 33 27
		39 05	4	¾	½		(21.6°)	
	eS	42 29	8	1¼	1½			
	eL	44.0	22					
	ME	44 55	17		7			
	MN	45 43	14	4				
	F	12 20						h m s
22 " 26	eP	20 09 07	4	1	½		3290	0., 20 02 47
	eS	14 11	11	¾	⅔		(29.6°)	
	PS	14 38	11	-	4			
	eL	16.6	18					
	MN_1	17 15	15	12				
	ME_1	19 19	19		31			
	MN_2	19 35	17	17				
	ME_2	22 43	14		12			
	MN_3	24 01	10	6				
	ME_3	30 47	12		9			
	F	22 00						

E. F. Pigot Sy.

No.

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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	ϵ : 1	$\frac{r}{T_o^2}$
A_N				
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.
	Note.	The following very small earthquakes were inadvertently omitted in the Bulletins for Jan., Feb., and March, 1924 :-							
	1924								
5a	Jan. 21	e (PR$_1$?)	2 09 08						
		iS	15 35	5	+3	+5			
		eL	30.3	16					
		ME	32 53	14		3			
		MN	35 12	13	1½				
		F	2 45						
6a	" 24	eL	15 21.1	?					
		ME	22 56	14		2			
		MN	23 15	14	7				
		F	15 30						
6b	" 24	eL	16 15.5	?					
		MN	19 56	11	1				
		ME	20 14	10		1			
		F	15 25						
9a	" 30	e	5 02.9	5	1	1			
		eL	11.3	14					
		ME	12 17	12		2			
		MN	14 59	10	½				
		F	5 40						
9b	" 31	eP	14 40 49					2200 (19.8°)	h m s 0., 14 36 11
		eS	44 29	6	-	½			
		M	45.5	7	¾	1¼			
		F	15 05						
9c	Feb. 3	e	18 29 11						
		e	30 11						
		eL	33.9	16					
		ME	34 12	16		2			
		MN	35 15	14	3				
		F	19 00						
13a	" 17	e	20 17.6						
		eL	23.9	24					
		MN	24 59	18	5				
		ME	26 49	17		9			
		F	2 00						
14a	" 19	eL	8 08.0	24					
		MN	14 31	20	1½				
		ME	16 01	20		3			
		F	21 00						

(Continued on next sheet)

No. Supplement Continued.

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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	ϵ : 1	$\frac{r}{T_o^2}$
A_N				
A_E				
A_z				

	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
14b	Feb. 22	i	4 58 13	6	-	2			
		e(L?)	59.1	18					
		i	59 37	6	-	2½			
		MN	5 01 29	11	2½				
		ME	01 33	11		4			
		F	5 10						
14c	" 25	e(P?)	26 53 14	5	1½	1		1190?	
		S?	55 21	7	1½	1			
		ME	56 09	9		1			
		MN	57 13	8	½				
		F	21 00						
17a	Mar. 7	e	7 21.5	7					
		eL	24.0	20					
		ME	24 53	16		4			
		MN	26 45	13	1				
		F	7 55						
19a	" 18	e?	19 45.1						
		e?	53.1						
		eL	20 03.2	22					
		ME	04 25	20		7			
		MN	05 08	20	1½				
		F	20 20						
20a	" 24	e?	21 34.6						
		ME	43 42	16		2			
		F	21 50						
23	" 27	e?	9 18.3						
		ME	21 57	12		2			
		MN	23b24	?					
		F	18 30						
24	" 27	eP	17 04 32					1530 (13.8°)	h m s O., 17 01 09
		eS	07 12	6	½	1			
		ME	07 59	6		1½			
		MN	08 12	5	2				
		F	17 15						
25	" 30	e	0 35.9						
		eL	28.5	14					
		ME	29 33	?					
		MN	39 01	14	2				
		F	1 20						
26	" 30	e	20 45.9						
			47 04	8		1½			
		MN	49 27	12	1½				
		F	20 55						

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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	$\frac{r}{T^2}$
A_N	1	163	7.8	3.0	0.02
	3	124	8.7	3.7	0.03
A_E	1	168	7.8	3.5	0.02
	3	169	9.0	2.7	0.03
A_Z	2	83	4.8	3.0	0.07

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
27	April 3	e?	1 19.3						
		e	27.2						
		eL	32.5	18					
		ME_1	35 18	13		21			
		ME_2	37 00	12		33			
		ME_3	39 12	12		49			
		MN_1	36 16	12	9				
		MN_2	41 48	10	14				
		MN_3	42 48	10	28				
		MZ	42 53	10			7		
		F	2 40						
28	" 6	eP	21 01 28						
			02 01	13	6				
		eL	05.6	19					
		ME_1	06 57	17		12			
		MN	10 03	14	8				
		ME_2	12 23	14		6			
		F	21 45						
29	" 10	e	19 33.1						
		eL	36.5	22					
		MN	37 04	14	5				
		ME	39 33	16		7			
		F	19 55						
30	" 12	e(P?)	21 45.3						
		e(S?)	22 00.9						
		eL	02.3	?					
		MN	03 48	20	5				
		ME	03 57	20		7			
		F	22 45						
31	" 13	eP	13 56 33	3	1½	1½		5050 (45.4°)	h m s 0., 13 47 53
		eS	14 03 18	4	¾	2			
		eSR_1	06 44	5		2			
		eL	10.3						
		MN_1	18 51	17	20				
		ME_1	19 28	14		9			
		MN_2	20 55	15	20				
		ME_2, MZ	22.6	13		9	4		
		F	15 25						
32	" 14	e	9 10.3						
		eL	15.4	?					
		M	21.7	13	4	4			
		F	9 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	e : 1	$\frac{r}{T_o^2}$
A_N		(See last sheet)		
A_E				
A_z				

Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
1924		h. m. s.	s.	μ	μ	μ	km.	
Apr.14	eP	16 29 02	5				5210	Near Mindanao
	iP	29 03	5	+5	-1¾	-5	(46.9°)	(P.I.)
		29 16	5	35	22	31		
	iPR_1	30 56	7	+9	-17	17		
		31 16	7	36	29	34		h m s
	iS	35 56	8	-6	-10	-20		O., 16 20 24
		36 04	8	53	58	45		
	PS	36 24	8	[illegible]0	105	12		
	iSR_1	39 05	9	-130	-60			
		40 04	9	180	230			
	iSR_2	40 42	8	-66	-80			
	eL	42..3						
	ME_1	44 40	26		1010			
	MN_1	46 50	26	970				
	ME_2	47 12	22		1080			
	MN_2, MZ_1	48.3	22	410		260		
	ME_3, MZ_2	49.7	19		450	105		
	MN_3	51 40	14	280				
	ME_4	51 56	13		230			
	MZ_3	52 24	18			155		
	MN_4	52 36	15	260				
	MN_5	55 02	13	160				
	ME_5	55 42	13		135			
	MZ_4	56 07	17			980		
	MN_6	56 35	15	180				
	MZ_5	58 03	15			52		
	MN_7	59 16	13	132				
	ME_6	59 56	15		165			
	ME_7	17 04 21	14		95			
	MN_8	04 56	12	60				
	ME_8	10 16	14		80			
	CN_1	17 37	12	26				
	CN_2	22 32	12	25				
	CE_1	24 05	12		28			
	CE_2	35 06	12		15			
	CN_3	44 07	11	11				
	CE_3	44 29	13		11			
	eW_2	19 08.3	24					
	M_1	10.7	21	15	11			
	M_2	19.1	20	10	7			
	ME_3	21 30	19		6			
	MN_3	23 16	17	12				
	F	21 05						
" 18	e?	11 17,5						
	eL	21.5	16					
	MN	24 36	14	1¼				
	ME	24 42	14		¾			

(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.
	1924		h. m. s.	s.	μ	μ	μ	km.	
35	Apr. 25	eL	8 49.4	16					
		MN	49 54	14	3				
		ME	51 14	13		3			
		F	9 05						
36	" 28	e?	21 07.7						
		eL	12.4	?					
		MN	15 32	13	8				
		ME	18 06	15		9			
		F	21 55						
37	" 29	eP	9 14 28	?				2350 (21.1°)	h m s 0., 19 09 34
		eS	18 21	7	7	2			
		eL	18.9	16					
		MZ	19 48	14			4		
		ME_1	19 59	13		70			
		MN_1	20 17	12	34				
		ME_2	21 31	11		42			
		F	10 40						
38	" 30	eP	4 05 16	(2 8		½		3140 (28.2°)	h m s 0., 3 59 06
		PR_1	06 14	9	-	2½			
		eS	10 09	8	2	1½			
		eL	12.4	20					
		MN_1	14 28	16	40				
		ME_1, MZ	14.8	17		25	14		
		MN_2	17 28	12	27				
		MN_3	25 00	12	15				
		ME_2	25 24	12		16			
		CN	41 38	10	2				
		CE	42 48	11		3			
		F lost in N°39							
39	" 30	eP	5 13 31	8	-	1		3030 (27.3°)	h m s 0., 5 07 30
		eS	18 16	8	3	1½			
		eL	20.6	20					
		MN_1	22 32	16	46				
		ME_1, MZ	22.9	16		33	18		
		MN_2	25 16	12	25				
		ME_2	27 28	12		15			
		CN	42 52	11	4				
		CE	44 58	12		4			E. F. Pigot Sy.
		F	6 50						
40	" 30	eP	9 14 20						
		eL	22.0	20?					
		MN	23 05	15	4				
		ME	23 44	15		4			
		F	11 05						

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	159	7.8	2.6	0.02
	3	133	8.6	3.6	0.03
A_E	1	172	7.5	3.3	0.02
	3	149	9.0	2.0	0.04
A_z	2	77	5.0	3.4	0.06

No.	Date.	Phase	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
41	May 1	e(S?)	3 41.9	8	-	1			
		eL	48.5	20					
		ME	50 31	16		6			
		MN	53 36	12	2				
		F	4 25						
42	" 1	(ePR_1)	20 14 53						
		eS	24 41	12?					
		e(SR_1?)	31 37	?					
		eL	49.8	28					
		M_1	57.4	22	9	9			
		ME_2	03 05	12		3			
		MN_2	07 01	14	3				
		ME_3	08 29	13		2			
		F	22 30						
43	" 2	e	1 46.3	5	-	1			
		eL	52.9	20					
		M	55.7	15	3	3			
		F	2 15						
44	" 3	e(P?)	11 29 28						
		e(S?)	36 48	8	1	1			
		eL	43.0	16					
		ME	46 05	13		5			
		MN	49 32	12	3				
		F	12 10						
45	" 3	eP?	15 53 48	2				1850?	
		iS	56 58	9	1	2			
			57 22	9	3	3			
		eL	58.3	16					
		M	16 00.3	10	4	6			
		F	16 45						
46	" 4	eP	12 25 20	5	1	1		2790?	
		e(S?)	29 48	?					
		eL	32.7	16					
		MN	34 32	13	4				
		ME	35 04	13		3			
		F	13 00						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

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

INSTRUMENTS:

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

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

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
47	May 4	iP	16 57 12	2	+2	+11	-12	2620	Azimuth (computed
		iS	17 01 27	6	-14	+45	+5	(23.6°)	from iP):-
			01 32	6	19	42			N.81°E.
		eL	03.3	14					(Dilatation)
		MZ_1	04 27	12			6		
		MN_1, ME_1	04.8	11	27	33			Hence:
		MN_2, ME_2	06.9	12	46	33			ϕ, 28° S.
		MN_3	08 52	16	42				λ, 177°E.
		ME_3	10 56	20		113			
		MZ_2	11 53	17			14		h m s
		CE	18 31	12		11			O., 16 56 03
		CN	19 21	12	10				
		F	19 15						
48	" 4	iP	16 58 41					4050?	
		i(S?)	17 04 31						
49	" 5	e	16 06.9	4		1			Friction on N.S.
		eL	12.2	14					
		ME	13 43	12		2			
		F	16 35						
50	" 6	e(PR_1?)	2 55 31						
		eS	3 00 04						
		eL	04.3	20					
		MZ	05 03	12			6		Nos. 50-54, N.S.
		ME	05 11	17		13			reductions from
		MN	05 17	17	5				Seismometer No.3
		F	4 05						
51	" 6	eP	16 19 39					6000	Origin (from Zi-
		eS	27 15	'?				(54.0°)	ka-wei, Manila and
			29 11	9		4			Riverview):-
		eL	35.5	18					ϕ. 18°N.
		ME_1	38 27	16		7			λ, 131°E.
		MN_1	41 45	15	4				
		MN_2	45 10	15	3				h m s
		ME_2	46 00	14		10			O., 16 10 06
		MN_3	49 34	16	4				
		F	17 40						h m s
52	" 7	eP	0 22 39					2220	O., 0 18 47
		eS	26 21	8		3		(16.0°)	
		eL	27.6	20					
		MN	28 13	15	3				
		ME_1	28 31	14		19			
		ME_2	29 41	9		9			
		MZ	30 53	10			4		
		ME_3	33 43	9		8			
		F	1 30						

(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. 1924	Phase.	Time (*Greenwich*) h m s	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks.
53	May 7	e	14 33 08						
		ME	34 47	?					
		F	14 45						
54	" 7	eL	15 44.3	18					
		ME_1	44 55	16		11			
		MN	45 35	14	2				
		ME_2	46 43	10		7			
		F	16 25						
55	" 8	eP	5 41 02	7?				3600	h m s
		eS	46 27	8	1			(32.4°)	0, 5 34 12
		eL	49.4	16					
		MN	50 45	14	15				
		ME_1	51 04	16		11			
		ME_2	57 24	12		4			
		F	7 50						
56	" 10	eP	2 55 35	7	-	1			
		eS	3 01 00	8	2	1			
		eL	03.4	14					
		MN_1	05 09	12	11				
		ME	07 08	12		6			
		F	4 06						
57	" 11	e	23 40.3						
		MN	44 16	8	2				
		ME	44 40	8		1.5			
		F	23 50						
58	" 14	e	1 17 00						
		MN	19 48	18	3				
		F	1 30						
59	" 17	e	3 54.0						
		eL	4 02.9	20					
		MN	06 19	12	6				
		ME	08 04	11		3½			
		F	4 45						
60	" 17	eP	5 23 23					3920	h m s
		eS	29 06	5	¾	¾		(35.3°)	0, 5 16 07
		PS	29 21	5	5	7			
		eL	32.0	11					
		ME_1	36 51	11		36			
		MN_1	39 08	8	13				
		MN_2	40 26	12	70				Short wave lengths.
		MZ	40 44	12			32		
		ME_2	41 15	10		38			
		MN_3	42 06	10	27				
		ME_3	46 47	12		39			
61	" 18	e	7 51.1						
		ME	52 20	10		3½			
		F	8 06						

(Continued on next sheet)

No.

5 (continued) 1924, 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				
A_E		(See last sheet)		
A_z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
62	May 22	eP	17 17 53	4	2½	1½		1970 (?)	
		eL	21.2	17					
		ME_1	21 36	13		46			S masked by L waves
		MN_1	21 45	13	24				
		ME_2	26 33	10		14			
		MN_2	27 27	12	1½				
		MN_3	31 05	10	4				
		ME_3	31 51	10		9			
		F	18 30						
63	" 24	e(S)	2 27.2	8	1½	1			
		eL	31.2	20					
		ME_1	32 57	18		29			
		MN_1	34 17	16	17				
		ME_2	34 57	13		28			
		MN_2	37 33	14	9				
		ME_3	38 09	10		17			
		F	3 20						
64	" 25	eP	13 52 21					2740	h m s
		iP	52 25	3		+1½		(24.6°)	0, 13 46 47
		eS	56 45						
		.	56 54	4		7			
		eL	14 01.3	15					
		i	01 52						
		MN	01 54	12	4				
		ME	05 13	15		4			
		F	14 20						
65	" 26	e	13 09.5						
		ME	14 52	?					
		MN	15 52	?					
		F	13 25						
66	" 27	e	2 36.4						
		eL	41.7	20					
		ME_1	42 03	16		7			
		MN_1	43 30	16	8½				
		ME_2	45 20	15		19			
		MN_2	45 43	14	7½				
		F	3 45						
67	" 28	eP	10 03 34					8180	h m s
		eS	13 03 8					(73.6°)	0, 9 51 54
		.	13 18 8		5½	4½			
		e	15 59 10						
		.	16 18 10			7			
		eL	25.9	20					
		ME	29 46	18		6			
		MN	33 22	?					
		F	10 55						

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	e : 1	$\frac{r}{T^2}$
A_N	(1)	~~165~~	~~7.7~~	~~2.6~~	~~0.02~~
	(3)	117	8.6	3.2	0.03
A_E	(1)	172	7.6	3.5	0.017
	(3)	164	8.9	2.4	0.03
A_z	(2)	83	4.8	3.1	0 07

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
68	June 2	eL	20 03.4	16					
		MN_1	05 31	13	2½				
		MN_2	08 37	10	2				
		ME_2	11 19	11		2			
		F	20 40						
69	" 2	e	21 04.2						
		MN	07 10	8	2				
		F	21 25						
70	" 6	e	15 20.0						
		eL	23.1	15					
		MN	23 46	?					
		ME	24 29	13		2½			
		F	15 35						
71	" 19	eL	17 45.7	?					
		ME	46 41	12		1½			
		MN	46 57	12	1				
		F	17 55						
72	" 22	eP	16 52 05	4					
		i	52 09						
		eL	17 02.9	16					
		MN	05 49	13	2				
		ME	07 28	12		1			
		F	17 15						
73	" 26	eP	1 42 38	5	1			2780	
		iP	42 39	5	+32	-5	+19	(25°0)	
		.	42 43	5	126	24	75		
		.	42 50	5	115	34	105		Azimuth (computed from iP):- 171° S.9° E.) hence, φ, 58°S. λ, 159°E.
		PR_1	43 23	7	44	27	90		
		.	44 37	9	104	51			
		.	46 02	9	110	39			
		iS	47 05	12	-440	+700	+460		
		PS	47 19	18	170	960			
		eL	48.1						
		MZ_1	48 25	12			600		
		MN_1, ME_1	48.7	11	470	340+			
		M_2	49.9	11	570+	310+	700		
		MN_3, ME_3	51.4	10	470+	280+			h m s 0, 1 36 57
		MZ_3	52 05	12			1020		
		MN_4, ME_4	52.8	10	460+	250			
		MZ_4	53 04	11			900		
		MN_5, ME_5	54.2	10	460+	220			
		MZ_5	54 52	11			900		
		MZ_6	56 11	11			750		
		MN_6, ME_6	56.5	11	560	300			
		MN_7, ME_7	59.5	10	480	180			
		MZ_7 2	00 18	11			850		
		MN_8, ME_8	02.1	10	480	225			

(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				
A_E	(See last sheet)			
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.
	1924								
73	June 26	MN_9, ME_9	2 03.8	11	470	100			
(cont.).		MZ_8	04 11				500		
		MZ_9	05 47	11			400		
		MN_{10}, ME_{10}	07.0	10	360	80			
		MN_{11}, ME_{11}	09.0	10	380	140			
		MN_{12}, ME_{12}	13.6	12	400	130			
		MN_{13}, ME_{13}	18.0	10	270	110			
		C_1	25.6	10	200	60	250		
		CZ_2	29 15	10			210		
		CE_2, CN_2	30.0	10	170	115			
		CZ_3	35 03	11			250		
		CN_4, CE_4	35.2	10	160	120			
		CN_5, CE_5	36.8	10	95	50			
		CN_6, CE_6	39.0	10	120	50			
		CN_7, CE_7	44.0	10	65	48			
		CN_8, CE_8	49.4	10	65	10			
		CN_9, CE_9	53.4	10	65	26			
		~~CN_{10}, CE_{10}~~							
		CN_{10}, CE_{10}	3 00.3	10	55	14			
W_2	waves	eW_2	4 28.9						
		MN_1	30 44	28					
		ME_1	36 33	20		11			
		MN_2	39 56	22	8				
		ME_2	44 00	24		16			
		ME_3	49 57	20		9			
		MN_3	57 17	22	6				
		ME_4	59 57	20		11			
		F	8 30						
74	" 28	eL	22 23.0	16					
		MN	25 21	13	2½				
		ME	26 13	14		2½			
		F	22 35						
75	" 30	e(P)	4 14.8						
76	" 30	eP	15 56 18	2				8470	h m s
		iS.	16 06 02	8	+4	+9		(76.2°)	0, 15 44 21
		.	06 10	8	7½	12			
		PS	06 54	10	19	13			
		eL	18.4	?					
		ME_1	21 54	16		26			Kamtchatka.
		~~ME_2~~	25 06	15		13			
		MN_1	25 22	15	9				
		MN_2	34 42	16	6				
		ME_3	34 54	15		6			
		F.	16 20						
77	" 30	e	19 10.2						
		MN	12 10	12	1				
		F	19 20						

S. J. Pigot S.J.

(Continued

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	151	7.8	2.9	0.02
	3	124	8.6	3.9	0.03
A_E	1	166	7.6	3.5	0.015
	3	158	8.8	2.7	0.03
A_z	2	58	5.1	3.5	0.06

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
78	July 1	e	12 34.2						
		MN	35 26	9	1				
79	" 3	i(S?)	5 04 10	7	-4	+2½			
		eL	23.0	42					High periods (L waves)
		MN_1	23 59	42	36				
		MN_2	26 38	40	64				
		ME_1	27 38	38		30			
		MN_3	30 25	28	35				
		ME_2	31 48	28		31			
		ME_3	38 04	24		22			
		F	7 10						
80	" 5	e	22 47.9						
		eL	56.3	20					
		MN	57 56	18	3				
		ME	58 59	18		3			
		F	23 40						
81	" 6	e	15 19.2						
		eL	33.0	18					
		M	34.4	15	2	2			
		F	16 30						
82	" 7	e	2 50.2						
		eL	56.6	22					
		MN	59 16	14	10				
		ME	3 01 09	15		9			
		F	3 55						
83	" 8	(e)	20 49.3						
		e(S?)	53.5	8	2	3			
		e(L?)	54.5	12					
		ME_1	57 17	12		5½			
		MN	59 41	12	5				
		ME_2	21 04 45	11		5			
		F	21 35						
84	" 11	eS	20 08 49	8	1	2			Heavy microseisms.
		eL	25.9	60					
		ME_1	28 01	42		57			Very high wave-lengths (L waves)
		MN_1	28 34	40	50				
		MN_2	32 00	38	56				
		MZ	37 25	36			40		
		ME_2	37 43	35		62			
		ME_3	42 25	22		46			
		MN_3	42 53	18	31				
		ME_4	47 49	20		26			
		MN_4	48 09	16	13				
		ME_5	52 23	20		22			
		MN_5	53 07	16	15				
		ME_6	58 36	18		17			
		F	22 45						

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Riverview College Observatory

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN

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

INSTRUMENTS:

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

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

No.	Date.	Phase.	Time (*Greenwich*) h. m. s.	Per. s.	Amplitude. A_N μ	Amplitude. A_E μ	Amplitude. A_Z μ	Δ km.	Remarks.
	1924								
85	July 12	e	15 49.3						
		eL	16 01.4	22					
		MN_1	06 37	?					
		ME_1	07 57	?					
		ME_2	13 06	18		4½			
		MN_2	16 49	18	3				
		F	16 35						
86	" 13	e	23 07.8						
		MN	14 06	14	1				
		ME	15 37	12		1			
		F	23 30						
87	" 17	e(?)	1 24.6						
		e(S?)	30.2	4	¾	1			
		MN	34 20	8	6				Very short wave-lengths.
		ME	35 38	6		4			
		F	1 40						
88	" 20	iP	9 23 01	4	-1½	-2½		2460	
			23 04	4	6	7		(22.1°)	h m s
		eS	27 03	8	-	5			0, 9 17 55
		PS	27 26	8	11	10			
		eL	29.0	18					
		MN_1	30 14	12	14				
		MN_2	31 20	12	20				
		ME_1	31 34	12		15			
		ME_2	32 30	13		18			
		MN_3	34 18	10	7				
		ME_3	34 28	11		9			
		F	10 40						
89	" 22	e(S?)	11 03 08	?					
		eL	05.4	16					
		ME_1	06 22	13		6			
		ME_2	09 10	12		6			
		MN_1	09 47	12	4				Heavy microseisms
		MN_2	11 23	12	8				
		ME_3	12 03	11		6			
		F	11 40						
90	" 23	e(S?)	11 48 22						
		eL	52.0	20					
		ME_1	54 03	13		8			
		MN_1, ME_2	56.4	11	2	10			
		MN_2	58 38	11	2				
		F	12 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*) h. m. s.	Per. s.	Amplitude A_N μ	A_E μ	A_z μ	Δ km.	Remarks.
	1924								
91.	July 24	iP	4 59 24	6	-36	+12	-17	1850	Dilatation.
			59 35	6	140	64	120	(16.6°)	Azimuth (computed
		PR_1	59 56	6	29	30	19		from iP) :-
		iS	5 02 34	12	-107	+88	-		161½° (S.18½°E)
		PS	02 49	12	454	660	+300		Hence:
			03 08	13	1170	+1230	+		φ, 49°S.
		eL	03.2	15?					λ, 159°E.
		MZ_1	03 49	11			190		
		MN_1	03 55	11	540				
		ME_1	04 05	10		620			h m s
		MN_2	04 34	10	325				0, 4 55 24
		ME_2,MZ_2	06.5	10		410	340		
		MN_3	07 26	10	290				
		ME_3,MZ_3	08.3	11		360	195		
		MN_4	09 17	10	160				
		ME_4	10 26	11		320			
		MZ_4	11 03	10			100		
		ME_5	11 54	9		240			
		MN_5	12 05	10	140				
		MN_6,MZ_5	14.2	10	290		210		
		ME_6	17 12	9		110			
		MN_7	18 10	10	140				
		ME_7	20 26	10		116			
		MN_8	23 01	12	136				
		MZ_6	23 09	11			65		
		ME_8	25 25	10		100			
		MN_9	26 33	10	87				
		ME_9	31 02	9		70			
		MN_{10}	33 49	9	76				
		MN_{11}	38 10	10	82				
		ME_{10}	42 07	10		73			
		MN_{12}	45 49	10	57				W_2 (L repl) waves
		ME_{11}	47 05	10		59			remarkable for
		CN_1	48 25	11	52				their absence.
		CN_2	53 32	10	24				
		CE_1	57 07	10		31			
		CE_2	6 01 26	9		26			
		CN_3	01 57	10	22				
		CN_4	07 19	11	21				
		CE_3	19 07	10		14			
		CN_5	22 36	11	20				
		CE_4	28 32	11		9			
		F?	9 55						

(Continued on next sheet)

Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

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

INSTRUMENTS:

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

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

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
92	July 29	eP	5 26 51					4660	
		eS	33 15	8	1½	2		(41.9°)	
		PS	33 29	8	3	11			h m s
		eL	39.9	24					0, 5 18 41
		MN_1, ME_1	42.6	20	190	205			
		MN_2, ME_2	44.4	16	77	69			
		MZ_1	46 26	18			21		
		MN_3	47 15	16	57				
		ME_3	47 39	16		41			
		MZ_2	48 38	15			7		
		CN	53 39	13	19				
		CE	55 22	12		11			
		F	7 10						
93	" 29	e?	15 44.9						
		MN	48 19	8	2				
		ME	50 27	8		1½			
		F	16 05						
94	" 30	e	3 16.2	?					
		ME	20 55	12		5			
		MN	21 22	14	2				Heavy microseisms.
		F	3 55						

E. F. Pigott 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	$\frac{r}{T^2}$
A_N	(1)	~~161~~	~~7.8~~	~~2.6~~	~~0.02~~
	(3)	131	8.7	2.4	0.04
A_E	(1)	169	7.7	3.7	0.015
	(3)	155	9.0	2.0	0.04
A_z	(2)	86	4.8	3.1	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.
	1924								
95	Aug. 2	e?	12 10.1						
		e(S?)	13 08	8		5			
		e(L?)	16.4	18					
		MN	20 22	8	2				
		ME	22 58	8		3			
		F	12 50						
96	" 6	eP	0 30 01	4	-	2		2680?	
		e(S?)	34 20	?					
		eL	36.0	20					
		ME_1	39 50	17		8			
		MN_1	39 54	14	5				
		MN_2	42 25	12	5				
		ME_2	44 07	15		4			
		F	1 40						
97	" 6	e?	2 51 19						
		eL	54.4	16					
		MN_1	56 07	14	1½				
		ME	56 48	14		1½			
		MN_2	59 28	14	1				
		F	3 30						
98	" 10	iP	6 17 35	4	-	-3	-4	3120	Dilatation.
		PR_1	18 39	6	1½	9		(28.1°)	
		iS	22 15	9	+10	+14			
		eL	22.9	18					
		MN_1	23 37	18	56				
		MZ_1	24 57	24			70		
		ME_1	24 59	24		190			
		MN_2	26 05	18	62				
		MZ_2	27 48	18			38		
		ME_2	29 07	18		90			
		MN_3	30 25	14	22				
		ME_3	30 43	16		64			
		F	8 15						
99	" 13	eP	9 33 51		-	-		2740	
		iS	38 06	8	1	-14		(24.7°)	
		PS	38 18	8	6	11			
		eL	39.4	20					
		MN_1, ME_1	40.8	14	15	31			
		MN_2, ME_2	41.5	9	18	36			
		MZ	41 49	10			2		
		MN_3, ME_3	44.5	8	16	27			
		MN_4	48 24	8	6				
		ME_4	48 46	8		14			
		F	11 25						

(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				
A_E	(See last sheet)			
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.
	1924			4					
100	Aug. 14	eP	18 23 04	12	1½	-		5000?	
		e(S?)	32.6	?					
		eL?	40.0	30					Heavy microseisms.
		ME_1	41 37	20		28			
		MN_1	41 52	20	66				Phases very indis-
		ME_2	44 30	18		20			tinct.
		MN_2	44 56	18	70				
		MN_3	48 21	18	56				
		ME_3	51 28	16		22			
		MN_4	54 28	16	21				
		MN_5, ME_4	19 01.2	16	17	22			
		CN	09 06	16	13				
		CE	13 42	16		13			
		F	20 35						
101	" 14	e	23 54.9						
	" 15	eL	0 06.3	?					
		MN	09 13	18	3				
		ME	12 48	18		1			
		F	0 50						
102	" 17	eS?	2 09.4						
		eL	15.7	20					
		MN	17 19	16	2				
		ME	18 27	16		6½			
		F	lost in No.	103					
103	" 17	e(P?)	2 30 03						
			30 41	8		2			
			32 18	7	·1				
		ME	43 48	15		3			
		MN	44 18	15	1				
		F	3 20						
104	" 17	e(S?)	11 05.2						
		eL	08.9	20					
		MN	10 50	14	2				
		ME	11 03	16		3			
		F	11 50						
105	" 18	e?	12 07.8						
		eL	12.3	18					
		ME	13 13	?					
		MN	14 50	13	1				
		F	12 50						
106	" 22	eP	6 33 45	?				3760?	
		eS?	39 07	?					
		eL	42.4	20					
		ME	43 30	18		4			
		MN	47 19	14	3				
		F	7 30						

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Riverview College Observatory,

SYDNEY, N.S.W.

SEISMOLOGICAL BULLETIN.

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

INSTRUMENTS:

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

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

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude A_N	Amplitude A_E	Amplitude A_Z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
107	Aug. 25	e	2 44.3						
		eL	57.4	28					
		MN	3 01 20	?					
		ME	01 39	18		4			
		F	3 50						
108	" 25	eP	14 51 27					4260	
		eS	57 19					(38.4°)	
		eL	15 02.4	18					
		ME_1	03 30	16		3			
		MN_1	04 16	15	3				
		MN_2	13 02	18	4				
		ME_2	16 12	16		3			
		F	15 40						
109	" 30	eP	3 13 38	5	½	-		5400	
		PR_1	15 36	6	4	2		(48.6°)	h m s
		PR_2	16 03	6	9	6			0, 3 04 24
		eS	20m36	9	3½	5			
		PS	21 08	9	16	20			
		eSR_1	23 38	5	4½	4			
			24 46	10		32			
		eL	25.9	25					
		MN_1	29 02	12	31				
		ME_1	29 08	12		38			
		ME_2	30 10	6		32			ME_2: note short wave-lengths (also SR_1): good examples of octave-harmonics.
		MN_2	32 50	12	59				
		ME_3	34 36	12		66			
		MN_3, ME_4	36.8	14	45	40			
		MZ_1	37 19	14			18		
		ME_5	38 27	16		77			
		MZ_2	38 33	14			14		
		ME_6	39 45	14		52			
		MZ_3	39 53	14			18		
		MN_4	39 58	15	54				
		MN_5	43 20	12	29				
		ME_7	43 26	12		33			
		ME_8	45 11	14		30			
		MN_6	46 44	12	19				
		CE_1	49 36	12		11			
		CN_1	51 20	12	17				
		CE_2	56 12	12		12			
		CE_3	4 01 26	12		11			
		CN_2	02 48	12	6				
		eW_2	5 43.5						E. F. Pigot S.J.
		F	5 55						

Riverview College Observatory

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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	$\frac{r}{T_o}$
	1)	163	8.0	2.9	0.017
A_N	3)	119	8.7	3.5	0.03
	1)	168	7.8	3.7	0.02
A_E	3)	141	9.0	3.0	0.03
	2)	77	4.9	3.3	0.06
A_Z					

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude. A_N	Amplitude. A_E	Amplitude. A_Z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
110	Sept. 6	e(P?)	19 44 51					2320?	
		eS	48 37	8	2	-			
			49 11	10	4	-			
		eL	52.2	24					
		ME	54 04	16		13			
		MN	55 31	16	18				
		F	20 45						
111	" 7	e?	8 04.3						
		e?	09.2						
		eL	17.3						
		ME	19 08	16		6			
		MN	19 19	16	3				
		F	9 10						
112	" 7	eP	18 53 47					3880?	
			54 43						
		e(S?)	59 15						
		eL	19 00.4	20					
		MN	02 45	16	8				
		ME	03 22	16		13			
		F	19 45						
113	" 8	e?	23 48 53						
		eL	51.8	16					
		MN	55 32	14	3				
		ME	56 24	14		5			
	" 9	F	0 40						
114	" 10	iP	6 01 18	2 4)	-2	+2		3850	
		iS	06 45	5	-1	+2		(34.7°)	
		eL	09.2	10					Near Flores I.
		MN_1	12 00	5	3				
		ME_1	12 32	5		3			
		ME_2	15 02	7		5			Remarkably short periods.
		MN_2	15 14	5	6				
		MN_3	16 21	5	6				
		ME_3	17 36	7		5			
		F	7 05						
115	" 11	eP	3 37 54					4410	
		e(PR1?)	40 37	12	1	-		(39.7°)	
			41.2	12	4	3			
		eS	43 56	12	-	2			
			44.2	12	7	12			
		PS	44 36	12	3	9			
		eL	51.5	22					
		ME_1	53 16	20		17			
		MN_1	54 03	20	3				
		MN_2	57 24	16	10				
		ME_2	59 18	11		2½			
		F	5 10						

(Continued on next sheet)

Riverview College Observatory

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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				
A_E	(See last sheet)			
A_Z				

No.	Date.	Phase.	Time (*Greenwich*)	Per.	Amplitude.			Δ	Remarks.
					A_N	A_E	A_Z		
	1924		h. m. s.	s.	μ	μ	μ	km.	
116	Sept. 13	eS	15 01 51	10	-	1			
		eL	26.8	56					
		ME_1	32 22	32		20			Armenia.
		MN_1	32 32	38	39				
		ME_2	58 20	36		25			
		ME_3	41 14	28		37			
		MZ_1	41 21	28			21		
		MN_2	42 12	25	27				
		MN_3	44 54	20	23				
		MZ_2	45 32	24			15		
		ME_4	45 53	22		25			
		MN_4	48 33	19	9				
		ME_5	49 18	19		22			
		ME_6	51 42	16		11			
		MN_5	53 34	19	15				
		ME_7	55 22	19		16			
		CE_1	16 02 31	16		11			
		CN_1	04 24	20	10				
		CE_2	13x36	16		6½			
		CN_2	14 54	16	4				
		F	17 20						
117	" 13	e?	19 31.4						
		e?	37.8						
		eL	42.7	12					
		MN	49 22	12	1				
		ME	49 41	12		1			
		F	20 05						
118	" 13	e	22 52.3	?					A few long waves.
119	" 14	eL	1 53.6	14					
		MN	58 00	11	2				
		ME	58 44	10		3½			
		F	2 25						
120	" 14	e	13 36.1	20					A few long waves.
121	" 14	e?	13 50.0						
		e(L?)	57.5	20					
		MN_1	14 07 23	18	4				
		ME_1	09 15	18		4			
		MN_2	10 51	16	2				
		ME_2	14 35	18		4			
		F	lost in No. 122.						

(Continued on next sheet.)

No. 9 (continued) 1924, 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	$\frac{r}{T_o^2}$
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.
	1924		h. m. s.	s.	μ	μ	μ	km.	
122	Sept. 14	eP	14 17 18	4	¼	¼		5060	
		PR_1	19 18	4	3	2½		(45.6°)	
		eS	23 58	8	2	2			
		eL	32.4	22					
		ME_1	35 29	18		27			
		MN_1	35 56	19	12				
		ME_2	37 35	14		17			
		MN_2	38 41	14	13				
		MN_3	42 00	14	11				
		ME_3	42 37	16		15			
		MN_4	44 14	14	14				
		ME_4	47 34	16		29			
		F	16 10						
123	" 19	e(S?	7 02.6	9	1	-			
		eL	05.4	19					
		MN	10 13	11	7				
		ME	10 23	12		3			
		F	7 50						
124	" 25	e(P?	4 08 55	?				4480?	
		e(S?	15.0	?					
		eL	17.7	18					
		ME_1	19 29	16		13			Heavy microseisms.
		MN_1	19 46	16	18				
		ME_2	21 48	15		5			
		MN_2	25 20	12	6				
125	" 27	eP	4 09 15	4	¼	1½		4040?	
		e(S?	14.9	7	1½	¾			
		MN_1	17 48	13	36				
		ME_1	18 53	12		27			
		MN_2	19 53	11	30				
		MZ	20 28	12			9		
		ME_2	21 35	11		21			
		MN_3	24 58	11	8				
		ME_3	25 28	10		14			
		F	5 30						
126	" 27	e(S?	12 53.6	?					
		eL	13 01.1	22					
		MS	02 14	18		5			
		MN	02 39	18	2½				
		F	13 25						

E. F. Pigot S.J.

No. 10 1924, 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)	160	8.0	3.0	0.017
	(3)	146	8.7	2.7	0.03
A_E	(1)	175	7.8	3.7	0.018
	(3)	121	9.0	2.7	0.03
A_Z	(2)	78	5.0	3.0	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.
	1924								
127	Oct. 5	iP	13 00 58	4	+5½	+6	-¼	2420	Dilatation.
			01 05	4	7	7		(21.8°)	Azimuth (computed
		iS	04 50	8	-17	-10			from iP):-
		PS	04 58	8	32	16			N. 48° E.
			05 18	?					Hence:
		eL	07.6	18					⊕, 20°S.
		ME	09 08	15		7			⊕, 176E.
		MN	09 20	15	7				
		F	13 30						
128	" 6	eL	6 42.6	18					
		MN_1	45 21	11	5				
		ME_1	47 13	13		6			
		MN_2	47 26	11	4				
		ME_2	52 26	10		5			
		F	7 30						
129	" 8	e(P?)	20 56 20	5	2½	½		4660?	
		e(S?)	21 02.6	8	½	-			
		eL	12.8	28					
		MN_1	18 16	18	4				
		MN_2	25 18	18	4				
		ME_1	27 33	?					
		ME_2	32 38	?					
		MN_3	33 26	14	1½				
		F	22 15						
130	" 19	eL	0 08.2	20					
		MN_1	11 09	16	2				
		ME_1	11 33	16		4			
		MN_2	19 07	16	2				
		ME_2	19 44	14		1½			
		F	0 55						
131	" 19	e	8 04.3						
		e(S?)	09.2	9	1				
		MN	17 18	12	2				
		ME	18 15	12		2			
		F	8 40						
132	" 20	eP	20 05 55		-	-		8880	Aleutian Is.
		eS	16 07	8	¾			(80.0°)	
			16 40	8	1	2½			
		eL	36.0	?					
		MN_1	39 49	18	5½				
		ME_1	43 03	18		5			
		ME_2	50 38	19		6			
		MN_2	53 37	16	4				
		F	21 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*)	Per.	Amplitude. A_N	Amplitude. A_E	Amplitude. A_Z	Δ	Remarks.
	1924		h. m. s.	s.	μ	μ	μ	km.	
133	Oct. 22	e	16 43.7						
		ME	47 09	10		1			
		MN	48 32	10	1				
		F	17 05						
134	" 27	eP	20 06 01	4	1	-		5040	
		eS	12 45	8	¾	-		(45.4°)	
		PS	13 00	8	2	1			
		eL	15.6	16					
		ME_1	16 41	14		7½			
		MN_1	16 57	12	4				
		ME_2	21 27	11		3			
		MN_2	30 13	16	6				
		ME_3	30 52	13		3½			
		F	21 35						
135	" 31	eP	3 05 23					3270	Near Timor.
		eS	10 25					(29.4°)	
		eL?	14.0	?					
		MZ	17 18	6			1½		Short period
		MN_1	17 38	12	24		1½		(octave-harmonics)
		ME_1	18 15	12		15			
		ME_2	20 40	9		8			
		MN_2	23 01	9	5½				
		F	4 30						
136	" 31	eL	16 46 20	16					
		ME	48 26	12		2			
		MN	48 39	14	2				
		F	17 05						

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	$\frac{\epsilon}{T_o^2}$
A_N	(1)	155	8.0	3.1	0.017
	(3)	124	8.8	2.8	0.03
A_E	(1)	158	8.0	3.7	0.01
	(3)	163	9.0	2.4	0.03
A_Z	(2)	117	5.5	3.8	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.
	1924								
137	Nov. 1	eP	0 56 51	4	½	1½		2690	
		eS	1 01 11	6	¾	¾		(24.2°)	
			01 19	6	2½				
			01 42	6		4			
		eL	03.2	20					
		MN	04 41	16	8				
		ME	05 22	16		4			
		F	1 30						
138	" 1	eP	8 49 59	10	-	1½		2820	
			50 41	10	1	2		(25.4°)	
		eS	54 29	10	-	1½			
			54 47	8	4	1			
		eL	56.1	18					
		ME_1	57 26	11		18			
		MN_1	57 34	10	9				
		MZ	59 21	8			2		
		ME_2	9 01 00	10		9			
		MN_2	01 29	9	5				
		F	9 50						
139	" 4	e(P?)	3 20 33	?					
		e(S?)	25.3	9		2			Phases very indistinct.
		ME	26 45	13		20			
		MN	27 41	10	6				
		F	4 05						
140	" 5	e	1 23.1						A few long waves.
141	" 5	eS	8 39 29	6		2			
		eL	46.1	16					
		MN_1	50 15	14	7				
		ME_1	51 10	15		9			
		MN_2	53 19	11	4				
		MN_3	58 45	12	4				
		ME_2	59 56	13		4			
		F	9 50						
142	" 5	e?	23 42.5						
		e(S?	45.9	6	¾	-			
		eL	47.5	14					
		ME	48 42	11		3			
		MN	49 11	9	2				
	" 6	F	0 15						
143	" 6	e?	0 59.6						
		eL	1 04.3	?					
		MN	05 12	8	1				
		ME	05 29	8		1			
		F	1 15						

(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.
	1924								
144	Nov. 13	eP	8 38 08	6	-	½		3400?	
		e(S?)	43.1	?					
		eL	44.8	?					
		ME_1	48 47	15		16			
		MN_1	49 08	13	32				
		ME_2	50 24	14		14			Tonga-Kermadec deep ?
		MN_2	51 28	12	20				
		MN_3	52 48	12	25				
		ME_3	55 48	14		26			
		MZ	55 59	15			6		
		CN	9 12 31	12	5				
		CE	13 54	12		6			
		F	10 40						
145	" 13	e	12 33.5						
		ME	35 12	16		2			
		MN	35 56	14	3				
		F	12 45						
146	" 13	e	13 22.2						
		ME	24 16	14		1			
		MN	24 33	13	2				
		F	13 40						
147	" 14	e	6 59.0						A few long waves.
148	" 15	eL	12 09.2	20					
		MN	10 39	14	2				
		ME	11 12	12		3			
		F	12 25						
149	" 16	eL	12 54.6	16					
		ME	55 36	11		2			
		MN	56 18	11	2				
		F	13 05						
150	" 16	e?	23 31.5						
		eL	35.2	20					
		ME	37 36	12		3			
		MN	37 47	13	3				
		F	23 50						
151	" 18	eL	3 57.3	24					
		MN, ME	58.6	18	3	3			
		F	4 10						
152	" 18	e(P?)	11 53 12	2 6)	½	1			Very low wave-lengths.
		MN, ME	57.0	5	3	4			
		F	12 15						

(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.
	1924								
153	Nov. 18	e	12 18.3	5					
		e(S?)	21.1	7	½	1			
		ME_1	22 44	7		7			
		MN_1	22 55	7	5				
		ME_2	23 51	8		7			
		MN_2	25 44	10	8				
		F	12 55						
154	" 19	e?	15 19.2						
		MN	28 28	12					
		ME	29 17	?					
		F	15 40						
155	" 20	e	21 44.5	18					A few long waves.
156	" 24	e(L?)	8 29.4	?					
		MN	29 45	?					Strong microseisms.
		ME	31 42	19		5			
		F	8 40						
157	" 28	eL	0 02.8	15					
		MN	06 48	11	1				
		ME	07 19	11		2			
		F	0 15						
158	" 28	e	8 43.1						
		MN	47 31	?					
		ME	49 17	?					
		F	8 55						

Edward F. Pigot Esq.

No. 12 1924, 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)	156	8.1	3.3	0.01
	(3)	118	8.9	4.0	0.03
A_E	(1)	166	7.9	3.6	0.018
	(3)	152	9.1	2.5	0.03
A_Z	(2)	98	5.5	3.3	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.
	1924								
159	Dec. 1	e(S?)	16 33.7						
		ME	37 40	16		3			
		MN	40 15	14	3				
		F	16 55						
160	" 1	e(P?)	23 04 04	4	-	2			
		eL	10.2	13					
		MN_1	12 58	9	12				Strong microseisms.
		ME_1	13 04	10		4			
		ME_2	13 53	9		6			
		MN_2	14 27	11	6				
		F	23 50						
161	" 3	e	8 32.4	20					A few long waves.
162	" 5	eP	9 43 33					4520	
		eS	49 41	7	2	2		(40.7°)	
		eSR_1	52 56	7	-	3			
			53 07	7	5	4			
		MN_1	10 02 15	12	2				
		ME_1	03 49	12		3			
		MN_2, ME_2	05.6	12	3	2			
		F	10 40						
163	" 6	eL	5 10.4	20					
		MN	12 17	18	3				
		ME	12 38	18		3			
		F	6 00						
164	" 9	eP	11 58 48	4	2	-		3030	
		ePR_1	59 49	5	3	-		(27.3°)	
			12 00 07	3	14	2	4		
		iS	03 22	5	+5	+2			
		eL	04.8	?					Very short periods.
		MN_1	05 52	7	10				
		ME_1	06 29	7		13			
		MN_2, ME_2	07.2	8	12	22			
		ME_3	09 46	7		17			
		MN_3	10 46	7	13				
		F	13 20						
165	" 9	eP	16 28 33	4	-	-		2080?	
			28 48	4	7	-			
		e(S?)	32,0	?					
		e(L?)	32.6	?					Very short periods.
		MN_1	36 32	6	6				
		ME_1	37 35	?					
		MN_2, ME_2	39.5	8	7	7			
		F	17 30						

(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	Amplitude. A_E μ	Amplitude. A_Z μ	Δ km.	Remarks.
	1924								
166	Dec. 11	e(PR1?)	17 45 58	8	2	-			
			46 05	8	-	2			
		e(S?)	49.7	?					
		eL	53.4	20					
		MN_1	53 56	16	10				h m At about 18 0
		MN_2	56 07	16	21				evidence of super-
		ME_1	57 04	20		27			posed waves of
		ME_2	18 01 43	16		15			another seism.
		F	19 20						
167	" 12	e?	9 07.8						
		eL	19.0	28					
		ME_1	22 43	20		3			
		MN	24 05	16	3				
		ME_2	26 19	17		4			
		F	10 00						
168	" 12&13	e	23 59.3	5	1	2			
		e	0 01.9						
		eL	06.2	25					
		MN_1	07 53	20	57				
		ME_1	08 32	16		11			
		MN_2	09 17	15	45				
		MN_3	11 41	12	44				
		ME_2	13 03	11		11			
		MN_4, ME_3	15.2	10	23	10			
		ME_4	19 11	14		22			
		CN	28 27	12	6				
		CE	29 06	12		10			
		F	1 45						
169	" 13	eL	21 30.2	20					
		ME	31 04	18		5			
		MN	34 00	13	3				
		F	21 50						
170	" 14	eL	9 59.8	22?					
		ME	10 02 49	?					
		MN	03 14	?					
		F	10 10						

(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.
	1924		h. m. s.	s.	μ	μ	μ	km.	
171	Dec.15	eP	20 54 19	4	1	1		2644	
		ePR_1	54 50	4	3	1		(23.8°)	
			55 08	4	8	8			
		eS	58 27	7	4	3			
		PS	58 39	7	8				
		SR_1	59 22	8	14	14			
			59 46	8	18				
		eL	21 00.8	20					
		ME_1	01 40	18		27			
		MZ	02 20	?					
		MN_1	02 52	15	29				
		ME_2	03 14	15		17			
		MN_2	07 25	12	12				
		ME_3	10 35	10		7			
		MN_3	11 57	12	9				
		F	22 25						
172	" 21	eL	13 31.1	?					
		MN	35 03	12	1				
		ME	35 09	13		2			
		F	13 50						
173	" 24	eP	22 09 46	4	½	3		3400	
		PR_1	11 00	6	2	2		(30.6°)	
			11 18	6		11			
		eS	14 44	7	6	-			
		eL	17.0	?					
		MN_1	17 22	12	5				
		ME_1	18 16	?					
		MN_2	19 03	13	8				
		i	19 58	7	-8	+17			
		ME_2	21 51	7		2			
		MN_3	25 34	12	4				
		F	23 05						
174	" 25	eL	1 36.0	18					
		MN	38 47	13	5				
		ME	40 03	12		4			
		F	2 10						
175	"26&27	eP	23 40 04	6	-	¾		2744	
		iPR_1	41 18	5	-40	+7		(24.7°)	
		PR_2	41 41	6	20	8			
		eS	44 19	6		2			
		eL	45.0	?					
		MN_1	46 17	13	26				
		i	46 47	7	-16	-4			
		ME_1	46 54	7		10			
		ME_2	49 06	9		2			
		MN_2	49 14	10	8				
		F	0 45						

(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. 1924	Phase.	Time (Greenwich) h m s	Per. s	Amplitude. A_N μ	A_E μ	A_Z μ	Δ km.	Remarks.
176	Dec. 27	eP	11 34 20	5	3	-		8020	
		eS	43 50	8	5	-		72.2°)	
		eL	56.1	25					
		ME	57 14	20		12			
		MN	58 21	20	9				
		F	12 35						
177	" 27	e?	23 26.1						
		e(S?)	29.7	8	1	1			
			29 53	8	2	3			
		eL	32.6	18					
		MN, ME	34.1	14	8	4			
	" 28	F	0 20						
178	" 28	eP	23 07 07	5	2	-		8130	N. Japan.
		eS	16 42	7	½	1		(73.2°)	
			16 55	7	4	3			
		eSR_1	21 03	?					
			22 15	24	21				
			22 57	22		7			
		eL	27.3	40					
		ME_1	28 46	30		36			
		MN_1	29 40	25	24				
		ME_2	31 58	22		26			
		MN_2	33 59	24	38				
		ME_3	34 07	24		42			
		MZ_1	36 08	22			8		
		ME_4	38 53	18		16			
		MN_3	39 19	20	21				
		MZ_2	40 26	18			5		
		MN_4	42 02	18	24				
		CE	48 23	18		4			
		CN	50 55	18	8				
	" 29	F	1 15						
179	" 30	e?	14 40.1						
		eS	46 04	?					
		eL	50.7	18					
		ME_1	51 44	16		8			
		MN_1	52 48	14	4				
		ME_2	53 00	12		9			
		F	lost in No.180						
180	" 30	e?	15 33.0						
		eL	42.1	18					
		ME_1	42 52	18		5			
		MN_1	45 19	13	4				
		ME_2	45 56	14		3			
		MN_2	47 23	13	3				
		F	17 10						

E. F. Pigot S.J.