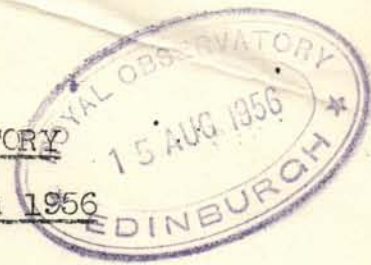


PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY



Seismological Bulletin for January to March 1956

Instrument Columbia-Lamont long period seismograph.
Milne-Shaw no. 27

Symbol A
M

Component Vertical
North - South

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
				h.	m.	s.	cms	
JANUARY 1956								
1.	Jan. 1.	A	iP	23	14	12	.30	Timor Island Region. Deep Seated.
		A	i	-	14	47	.10	
		A	i(?)	-	15	2		
		A	iPP	-	15	16	.30	
		A	iS	-	18	46	.25	Quake lost on instrument "M" Clock hold up.
		A	SS	-	19	36	.35	
		A	i	-	19	56	.20	
		A	i	-	20	45	.75	
		A	i	-	23	46	.80	
A	i	-	24	8	1.10			
2.	Jan. 8.	A	P'	7	31	9	.25	Mexico.
		A	e	-	54	17	.15	
		A	e	8	19	28	.05	Quake lost in clock hold up on instrument "M"
		A	M	-	26	24	.45	
3.	Jan. 8.	A	P'	21	13	26	.20	Northern Chile.
		A	i	-	15	36	.40	
		A	i	-	25	32	.20	
		A	i	-	27	23	.25	
		A	e	-	52	19	.20	
		A	M	22	8	22	1.55	
		A	M	-	11	22	1.55	
4.	Jan. 9.	A	iP	12	14	39	.15	Fiji Island Region. Deep Seated.
		A	i	-	14	41	1.40	
		A	i	-	15	30	.06	
		A	i	-	16	39	.25	
		A	i	-	17	40	.50	
		A	i	-	17	45	1.20	
		A	i	-	19	46	.40	
		A	S	-	21	46	.50	
		M	i	-	21	46	.50	
		A	i	-	21	52	.85	
		M	i	-	23	52	.25	
		M	i	-	25	16	.25	
		A	i	-	25	38	.20	
		A	i	-	27	55	.42	
5.	Jan. 10.	A	iP	9	2	42	.25	Tonga Islands Region.
		A	i	-	6	40	1.10	
		M	e	-	10	50	.10	
		A	iS	-	10	53	> 1.15	
		A	i	-	14	45	.90	
		M	i	-	14	49	.25	
		A	i	-	17	21	.70	
		M	i	-	17	29	.15	
		M	i	-	24	28	.50	
		A	i	-	25	44	.75	
A	M	-	26		> 12.10			

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms.	Remarks
				h.	m.	s.		
6	Jan.11.	A	iP	6	18	21	.05	
		A	e	-	20	12	.05	
		A	e	-	28	30	.10	
		A	i	-	28	41	.55	
		A	e	-	30	23	.30	
		A	i	-	31	10	.85	
		A	M	-	36	55	.70	
A	M	-	40	26	1.20			
7	Jan.13.	A	iP	6	24	35	.15	Kingston Island Region.
		A	PP	-	26	21	.10	
		A	i	-	31	16	.10	
		A	i	-	34	37	.25	
		M	e	-	36	21	.10	
		A	i	-	36	26	.20	
		A	M	-	41	6	.90	
		M	M	-	41	10	.35	
		A	M	-	41	36	.95	
		A	F	8	22	25		
8	Jan.16.	A	iP	23	57	19	.45	Near Coast of Equador.
		A	i	-	57	21	1.55	
9	Jan.17.	A	i	0	0	39	.50	Near Coast of Equador
		A	i	-	1	12	.45	
		A	i	-	10	45	.50	
		A	i	-	15	31	.45	
		A	i	-	39	39	.50	
		A	i	-	42	19	.55	
		A	i	-	46	19	1.15	
		A	M	-	53	12	3.05	
A	M	1	10	17	3.90			
10	Jan.19.	A	i	18	15	44	.18	Solomon Islands.
		A	i	-	25	19	.16	
		A	e	-	29	29	.05	
		A	M	-	33	45	.60	
11	Jan.27.	A	iP	13	48	49	.08	Tonga Islands Region.
		A	i	-	48	59	.10	
		A	iS	-	56	56	.15	
		A	i	14	2	10	.20	
		A	i	-	5	48	.15	
		A	M	-	15	17	.68	
		A	M	-	24	54	.95	
12	Jan.28.	A	iP	7	50	49	.25	New Britain. Deep Seated.
		A	PP	-	51	9	.25	
		A	PP	-	52	38	.35	
		M	i	-	57	23	.20	
		A	e	8	0	17	.15	
		M	i	-	0	22	.20	
		A	i	-	0	34	.63	
		A	i	-	8	9	.78	
		A	i	-	10	34	.55	
		M	M	-	11	28	2.15	
M	M	-	12	39	.35			
13	Jan.30.	A	P	8	52			Lost in minute gap.
		A	i	-	58	37	.15	
		A	i	9	3	31	.32	Near Coast of New Zealand
		A	i	-	3	36	.66	
		A	i	-	6	49	.80	
		A	i	-	9	24	.70	
		A	M	-	14	7	2.15	
A	M	-	16	8	2.85			

-3-

No.	Date	Inst.	Phase	Time			Amp.	Remarks	
				G.M.T.					
				h.	m.	s.	cms.		
14	Jan. 31.	A	i	9	34	25	.40	New Ireland Deep Seated.	
		A	i	-	36	21	.37		
		A	i	-	42	4	.55		

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 3rd, 4th, 5th, 7th (2), 8th, 11th (2),
12th (3), 13th (2), 14th (2), 15th (3),
17th, 18th, 20th, 24th, 25th (2), 28th,
29th (2).

by instrument "M" on:- 11th, 16th, 17th, 27th, 30th, 31st.

FEBRUARY 1956

15	Feb. 1.	A	i	1	52	42	.32	Loyalty Islands.
		A	i	-	58	54	.25	
		A	M	2	3	29	1.05	
16	Feb. 1.	A	iP	13	51	7	.23	Marianas Islands. Deep Seated.
		A	i	-	51	12	.70	
		A	PcP	-	51	51	.25	
		A	i	-	52	24	1.05	
		A	i	-	53	9	.85	
		A	iS	-	58	38	1.30	
		A	i	14	1	23	.75	
		A	i	-	4	50	.57	
17	Feb. 9.	A	i	-	5	31	1.25	Lower California
		A	i	-	11	18	1.25	
		A	i	14	54	49	.13	
		A	i	-	55	13	.20	
		A	i	-	55	50	.20	
		A	e	15	5	22	.15	
		A	i	-	13	33	.55	
		A	i	-	18	36	.52	
18	Feb. 12.	A	e	-	36	30	.85	Off N.W. Coast of Luzon.
		A	M	-	43	53	1.32	
		A	M	-	44	40	1.70	
		A	F	18	0	56	.05	
		A	iP	11	58	26	.35	
		A	i	-	58	37	.83	
		M	i	12	5	39	.40	
		A	iS	-	5	42	.63	
19	Feb. 17.	M	i	-	7	22	.30	
		A	i	-	10	4	.50	
		A	i	-	11	29	.78	
		A	M	-	14	57	.88	
		A	i	10	17	52	.25	
		A	i	-	19	51	.25	
		A	i	-	35	38	.20	
A	M	-	43	46	.65			

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
			h.	m.	s.	cms.		
20	Feb. 18.	A	iP	7	44	20	5.60	South of Honshu. Deep Seated.
		M	iP	-	44	21	.50	
		A	PcP	-	44	43	.65	
		A	pP	-	45	59	.47	
		M	i	-	46	49	.40	
		A	PP	-	46	52	1.10	
		A	i	-	49	8	.65	
		A	iS	-	52	22	.75	
		M	iS	-	52	25		
		M	i	-	52	45	.50	
		M	ScS	-	53	27	.47	
		A	ScS	-	53	27	.75	
		A	sS	-	55	25	.90	
		M	i	-	56	41	.90	
		A	SS	-	56	56	1.80	
		M	i	-	57	38	.70	
A	i	-	59	59	1.85			
A	i	8	3	16	1.85			
A	i	-	52	45	.30			
21	Feb. 19.	A	i	3	11	21	.15	Queen Charlotte Islands.
		A	i	-	20	13	.15	
		A	M	-	31	13	.67	
22	Feb. 24.	A	i	6	26	41	.58	Local tremor at Konmangorring 80 miles N.E. of Perth.
23	Feb. 24.	A	iP	9	28	10	.25	
		A	i	-	39	41	.10	
		A	e	-	44	8	.20	
		A	M	-	46	34	.65	
		M	M	-	50	43	.80	

Tremors and undecipherable disturbances were recorded -

By instrument "A" on:- 9th (2), 13th, 14th, 15th (2), 20th (2), 22nd, 23rd, and 29th.

Feb. 7th. Tremor felt at Walebing, approx. 90 miles North of Perth.

By instrument "M" on:- 1st, 9th, 22nd, and 24th.

MARCH 1956

24	March 3.	A	iP	0	16	21	.25	Samoa Islands Region.
		A	i	-	16	30	.30	
		A	i	-	25	48	.25	
		A	e	-	37	47	.15	
		A	i	-	39	6	.40	
		A	M	-	42	57	1.45	
25	March 10.	A	i	19	43	23	.15	Samoa Islands Region.
		A	e	20	2	46	.06	
		A	M	-	9	35	.70	
26	March 10	A	i	21	43	45	.15	Molucca(?)
		A	i	-	44	54	.20	
		A	i	-	49	8	.15	
		A	i	-	51	57	.17	
		A	M	-	53	53	.33	
27	March 12	A	e	20	24	18	.15	
		A	M	-	28	11	.35	

No.	Date	Inst.	Phase.	Time G.M.T.			Amp. cms.	Remarks	
				h.	m.	s.			
28	March 17	A	i	20	17	18	.21	Solomon Sea.	
		A	M	-	20	9	.58		
29	March 18	A	e	0	3	10	.20	Solomon Sea.	
		A	M	-	7	28	.56		
30	March 19	A	iP	17	43	49	.60	New Britain.	
		A	i	-	44	7	.17		
		A	PP	-	45	26	.22		
		A	i	-	45	42	.42		
		A	i	-	50	0/3(?)			Lost in minute- " " " "
		M	S	-	50	0/3(?)			
		M	SS	-	52	52	.20		
		A	i	-	52	53	.27		
		A	i	-	54	47	.40		
		A	e	-	56	20	.35		
		M	i	-	56	21	.35		
		A	i	18	0	16	1.83		
		A	M	-	1	18	2.50		

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 6th (2), 7th, 10th, 11th (3), 13th (2), 14th, 15th, 18th, 20th, 22nd (2), 23rd (3), 27th, 28th, 30th (2).

By instrument "M" on:- 10th (2), 13th, 17th, 18th, 21st.



PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for April to June 1956

Instrument
Columbia-Lamont long
period seismograph.
Milne-Shaw no. 27

Symbol
A
M

Component
Vertical
North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms.	Remarks
				h.	m.	s.		
<u>APRIL 1956</u>								
31	Apr. 1	A	i	11	16	6	.13	
		A	e	-	28	37	.08	
		A	M	-	29	47	.40	
32	Apr. 2	A	iP	10	57	32	.35	Off Coast of Sumatra.
		A	iS	11	3	25	.25	
		A	i	-	3	57	.36	
		A	i	-	6	13	.50	
		A	LR	-	8	15	.64	
		A	M	-	10	17	1.20	
33	Apr. 5	M	i	23	13	14	.10	Local Tremor felt 120 miles and 30 miles N.E. of Perth.
		A	i	-	13	21	.20	
		A	i	-	13	27	1.10	
		M	M	-	13	27	.24	
		A	M	-	13	36	1.50	
		A	F	-	14	43	.15	
34	Apr. 7	A	i	18	13	49	.24	
		A	i	-	15	50	.19	
		A	i	-	25	12	.30	
		A	i	-	28	27	.25	
		A	M	-	34	47	.65	
		A	M	-	36	59	.70	
35	Apr. 10	A	iP	13	22	24	.45	Near South Coast of Sumatra. Deep Seated.
		A	pP	-	22	56	.26	
		A	SP	-	23	6	.97	
		A	i	-	26	57	.34	
		A	iS	-	27	29	.48	
		A	i	-	29	0		Amp. not visible.
		A	i	-	29	33	.80	
		A	i	-	30	38	.50	
36	Apr. 20	A	i	15	22	9	.15	Banda Sea. Deep Seated.
		A	i	-	22	17	.30	
		A	i	-	22	24	.38	
		A	i	-	25	10	.15	
		M	iS	-	26	10	.40	
		M	iS	-	26	10	.27	
		A	i	-	26	55	.26	
		M	i	-	26	59		Amp. not visible.
		A	e	-	27	35	.42	
37	Apr. 22	A	i	-	28	4		Amp. not visible,
		A	e	4	49	19	.10	New Britain.
		A	i	-	55	15	.17	
		A	i	-	58	10	.25	
		A	i	5	1	57		Amp. not visible.
A	M	-	6	32	.74			

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
38	Apr.25	A	i	8	47	28	.20	Fiji Islands.
		A	e	-	51	19	.16	
		A	i	-	54	15	.25	
		A	e	-	56	18	.20	
		A	i	-	58	18	.25	
		A	M	9	3	26	1.10	
39	Apr.26	A	e	8	3	13	.14	Fiji Islands. (Aftershock)
		A	e	-	7	42	.11	
		A	i	-	10	8	.16	
		A	M	-	15	12	.86	
		A	M	-	-	-	-	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 6th, 11th, 15th, 18th, 22nd, 23rd (2), 26th, 28th (2).

By instrument "M" on:- 2nd, 7th, 10th, 22nd, 25th.

MAY 1956

40	May 1	A	e	2	53	12	.11	Near Coast of Sumatra.	
		A	eLR	-	56	10	.30		
		A	M	-	57	33	.54		
41	May 7	A	iP	11	3	-	-	Lost in minute-gap. South Indian Ocean.	
		A	i	-	5	9	.55		
		M	i	-	6	0	-		
		A	i	-	6	47	.51		
		A	iS	-	7	-	-		Lost in minute-gap.
		A	i	-	7	37	2.15		
		A	i	-	7	57	2.71		
		M	i	-	8	39	-		
A	M	-	8	48	7.90	-			
M	M	-	9	30	-	-			
42	May 13	A	e	8	27	28	.24	Amp. not visible	
		A	i	-	32	59	.48		
		A	M	-	35	22	-		
43	May 19	A	e	0	50	0	-	Amp. not visible. Santa Cruz Islands.	
		A	M	-	52	49	.60		
44	May 19	A	iP	1	38	57	.18	Solomon Islands.	
		A	i	-	39	12	.25		
		A	i	-	40	27	.26		
		A	i	-	41	6	.35		
		A	iS	-	45	38	.45		
		M	i	-	48	9	-		
		A	i	-	48	53	.54		
		A	i	-	49	18	1.06		
		A	i	-	52	40	.38		
		M	M	-	54	17	-		
		A	M	-	57	37	4.40		
45	May 19	A	iP	20	12	24	.24	S.W. Indian Ocean.	
		A	i	-	13	16	.32		
		A	i	-	20	43	.35		
		M	e	-	26	38	-		
		A	LR	-	26	53	.70		
		M	M	-	27	18	-		
		A	M	-	31	47	2.97		

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
46	May 22	A	iP	3	11	55	.15	Samoa Islands.
		A	i	-	18	42	.16	
		A	e	-	34	42	.22	
		A	M	-	38	37	1.05	
		A	M	-	41	29	1.23	
47	May 22	A	iP	13	43	42	.20	New Ireland. Deep Seated.
		A	PcP	-	45	7	.15	
		A	i	-	46	14	.21	
		M	i	-	49	35		
		A	iS	-	49	36	.42	
		M	i	-	52	21		
		A	i	-	53	13	.41	
		M	i	-	53	22	.74	
48	May 23	A	iP	20	58	10	3.80	Fiji Islands. Deep Seated.
		M	i	-	58	29		
		A	i	-	59	35	3.51	
		M	i	-	59	52		
		A	i	21	0	4	1.29	
		A	i	-	1	46	1.25	
		M	i	-	2	32		
		M	i	-	3	53		
		M	iS	-	5	52		
		A	iS	-	5	52	2.05	
		M	i	-	6	57		
		M	i	-	7	20		
		M	i	-	9	0		
		A	i	-	10	8	3.20	
		A	i	-	15	12	5.00	
A	i	-	19	22	3.60			
A	i	-	25	42	1.90			
A	M	-	25	55	10.60			
49	May 26	A	i	8	37	24	.20	Banda Sea.
		A	iS	-	41	32	.25	
		A	LR	-	44	44	.30	
		A	M	-	48	12	.81	
50	May 26	A	iP	20	30	40	.80	Fiji Islands. Deep Seated
		A	i	-	32	41	.30	
		M	iS	-	38	5		
		A	iS	-	38	7	.21	
		M	i	-	39	32		
		A	i	-	39	39	.45	
A	i	-	45	8	.50			
51	May 27	A	iP	17	3	5	.34	Banda Sea. Deep Seated.
		M	i	-	3	17		
		M	i	-	3	28		
		A	i	-	3	44	.23	
		A	iS	-	7	48	.21	
		M	iS	-	7	48		
		A	i	-	8	7	.56	
		A	i	-	10	16	.38	
		M	i	-	10	57		
A	i	-	13	16	.40			

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 1st (2), 2nd, 4th, 5th, 23rd, 28th, 30th.(3)

By instrument "M" On:-26th, 30th.

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
<u>JUNE 1956</u>								
52	June 4	A	i	12	32	28	.35	
		A	i	-	38	16	.35	
		A	M	-	39	56	1.00	
53	June 5	A	e	6	41	10	.20	
		A	M	-	43	38	.80	
54	June 8	A	i	12	48	3 (?)		Amp. not visible
		A	i	-	52	1		Amp. not visible
		A	M	-	55	50	.66	
55	June 9	A	i	10	28	36	.42	Central Chile
		A	i	-	38	28	.55	
56	June 9	A	i	10	56	48	.40	
		A	e	11	4	35	.30	
		A	i	-	8	10	.45	
		A	i	-	12	45	.75	
		A	M	-	17	7	1.95	
57	June 9	A	iP	23	26	8	2.20	Afganistan
		A	PP	-	29	19	.90	
		A	iS	-	36	14	1.10	
		A	i	-	45	9	1.40	
		A	i	-	47	46		Amp. not visible
		A	i	-	51	51		Amp. not visible
	June 10	A	M	0	0	45	6.60	
58	June 21	A	iP	20	37	20	.20	
		A	i	-	37	31	.41	
		M	i	-	41	52		Amp. not visible
		A	i	-	42	2		
		M	i	-	43	0		
		A	i	-	45	44	.47	
		A	M	-	50	17	.85	
59	June 23	A	P	2	35	37	.22	Near East Coast of Kamchatka.
		A	i	-	44	28	.24	
		A	M	3	22	45	.50	
60	June 24	A	i	21	6	57	.42	Solomon Islands.
		A	e	-	13	37	.25	
		A	M	-	25	44	2.15	
61	June 29	A	e	0	3	57	.35	
		A	i	-	9	28	.28	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 5th (2), 13th, 15th, 16th, 21st.

By instrument "M" on:- 4th, 9th (2), 24th.



PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for July to September 1956

Instrument
Columbia-Lamont long
period seismograph.
Milne-Shaw no. 27

Symbol
A
M

Component
Vertical
North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
JULY 1956								
31	July 4	A	iP	3	12	37	.15	Solomon Islands
			PP	-	14	11	.22	
			i	-	22	12	.26	
			e	-	27	40	.21	
			M	-	31	46	1.15	
32	July 4	A	e	3	57	10	.30	Aftershock Solomon Islands Early phases in end movement of 1st Quake.
			i	4	1	12	.59	
			e	-	5	44	.25	
			M	-	10	6	2.04	
33	July 9	A	iP	3	26	16	.41	Aegean Sea.
			i	-	29	53	.23	
			iPP	-	30	46	.95	
			i	-	38	49	.86	
			i	-	40	10	.90	
			iPSPS	-	46	23	1.00	
			i	-	49	33	1.46	
			i	-	54	47	1.05	
			LR	4	2	33	2.15	
			i	-	4	42	2.25	
			i	-	5	53	4.90	
			M	-	7	45	8.50	
			M	-	11	56	9.05	
iLR	-	18	41	2.10				
34	July 12	A	e	17	16	11	.20	
			e	-	28	17	.27	
			M	-	29	21	1.01	
35	July 16	A	iP	15	17	3		Amp. not visible. Central Burma.
			i	-	19	42	.30	
			iS	-	24	54	.35	
			M	-	25	10		
			i	-	25	45	.45	
			i	-	28	23		
			LR	-	33	37	.34	
			LR	-	42	44	.67	
M	-	47	41	1.45				
36	July 17	A	iP	7	39	17	.28	Banda Sea. (Deep Seated)
			i	-	40	25	.99	
			M	-	40	26		
			i	-	41	27	.95	
			i	-	42	23		
			i	-	43	19		
			i	-	43	22	5.40	
			i	-	45	0		
			i	-	45	30	1.45	
			i	-	46	7	1.86	
			i	-	49	20	4.10	
M	-	49	46					

Amp. not visible.

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
				h.	m.	s.		
37	July 18	A	iP	6.	25	33	1.10	Banda Sea
		M	i	-	26	10		
		A	i	-	26	17	5.90	
		A	i	-	28	45	1.40	
		A	iS	-	30	22	3.10	
		M	iS	-	30	22		
		M	M	-	34	46		
		M	M	-	37	43		
		A	M	-	38	55	12.00	
A	M	-	43	53	12.05			
38	July 21	A	iP	15	43	50	.40	
		A	iPPP	-	48	8	.36	
		A	e	-	49	24	.21	
		A	i	-	53	0	.22	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on :- 4th, 9th, 15th, 23rd and 29th.
 By instrument "M" on:- 4th, 9th, 12th, and 21st.

AUGUST 1956

39	August 4	A	i	10	4	29	.35	Amp. not visible.
		A	i	-	6	47	.39	
		A	i	-	9	56		
		A	i	-	11	11	.60	
		A	M	-	15	54	1.66	
		A	M	-	16	57	1.65	
40	August 9	A	iP	23	10	57	1.60	Samoa Islands Region (Deep Seated) Amp. not visible.
		A	i	-	12	33	.45	
		A	i	-	14	3		
		A	iS	-	19	12	.36	
		A	SS	-	23	59		
		A	i	-	26	51	.50	
		A	i	-	28	13	.26	
		A	i	-	32	25	.65	
		A	i	-	34	6	.88	
41	August 14	A	i	3	17	30	.15	Prince Edward Islands Region.
		A	e	-	20	33	.45	
		A	M	-	24	15	.74	
42	August 15	A	iP	5	28	2		Amp. not visible. Sumatra. (Deep Seated) Amp. not visible.
		A	i	-	28	29	.40	
		A	i	-	34	49	.40	
		A	i	-	34	55		
		A	i	-	36	52	.40	
43	August 15	A	iP	10	57	42	.36	Northern Celebes. (Deep Seated)
		A	i	-	58	2		
		A	pP	-	58	22	.35	
		A	PcP	11	0	25	.29	
		M	i	-	2	46	.16	
		M	i	-	2	55	.22	
		A	iS	-	2	57	.83	
		A	i	-	3	46	.47	
		A	i	-	4	52	.35	
		M	i	-	5	9	.35	
		M	i	-	6	18	.35	
A	ScS	-	7	42	1.35			

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
44	August 20	A	iP	23	49	39	.29	
		A	i	-	50	58	.20	
		A	iS	-	53	11	.50	
		M	i	-	53	12	.21	
		A	i	-	53	57	.60	
		M	i	-	54	40	.25	
		A	i	-	54	50	1.32	
		A	M	-	55	49	1.97	
		M	i	-	56	52	.30	
45	August 24	A	i	4	53	57		Amp. not visible. Aleutians.
		A	i	5	3	47	.26	
		A	e	-	14	32	.35	
		A	M	-	21	13	.75	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 2nd, 9th, 12th, 13th, 17th, 19th, 23rd, 24th(2) and 30th.

By instrument "M" on:- 4th, 9th, 14th, 19th, 24th.

SEPTEMBER 1956

46	Sept. 11	A	P	2	42	29	.14	Fiji Islands.	
		A	i	-	46	6	.12		
		A	iS	-	50	42	.18		
		A	e	-	57	17	.20		
		A	i	3	1	25	.24		
		A	M	-	5	52	1.35		
47	Sept. 11	A	eP	15	53	13	.10	New Hebrides.	
		A	PP	-	55	13	.09		
		A	SS	16	3	57			Amp. not visible.
		A	e	-	8	31	.25		
		A	M	-	14	24	1.70		
48	Sept. 13	A	i	14	40	25	.18	South of Tasmania.	
		A	i	-	41	16	.20		
		A	e	-	42	36	.27		
		A	M	-	43	53	.57		
49	Sept. 16	A	P	8	49	41	.11	Afghanistan.	
		A	i	9	6	22	.20		
		A	i	-	10	38	.15		
		A	M	-	21	41	.76		
		A	M	-	24	20	.75		
50.	Sept. 24	A	i	6	29	41	.31	Samoa Islands.	
		A	e	-	38	56	.30		
		A	M	-	42	31	.60		
51	Sept. 24	A	i	7	30	39	.32	Fiji Islands.	
		A	M	-	33	59	1.20		
		A	M	-	35	24	1.55		
52	Sept. 29	A	i	9	21	56	.30	Nicobar Islands.	
		A	i	-	24	25	.42		
		A	M	-	25	41	.70		

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 9th, 10th (3), 11th (2), 13th (2), 15th (2), 18th, 21st, 29th.

By instrument "M" on:- 11th (2), 13th, 16th, 24th, 29th.

PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for July to September 1956

Instrument Columbia-Lamont long period seismograph.
Milne-Shaw no. 27

Symbol A
M

Component Vertical
North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
<u>JULY 1956</u>								
31	July 4	A	iP	3	12	37	.15	Solomon Islands
		A	PP	-	14	11	.22	
		A	i	-	22	12	.26	
		A	e	-	27	40	.21	
		A	M	-	31	46	1.15	
32	July 4	A	e	3	57	10	.30	Aftershock
		A	i	4	1	12	.59	Solomon Islands
		A	e	-	5	44	.25	Early phases in
		A	M	-	10	6	2.04	end movement of
								1st Quake.
33	July 9	A	iP	3	26	16	.41	Aegean Sea.
		A	i	-	29	53	.23	
		A	iPP	-	30	46	.95	
		A	i	-	38	49	.86	
		A	i	-	40	10	.90	
		A	iPSPS	-	46	23	1.00	
		A	i	-	49	33	1.46	
		A	i	-	54	47	1.05	
		A	LR	4	2	33	2.15	
		A	i	-	4	42	2.25	
		A	i	-	5	53	4.90	
		A	M	-	7	45	8.50	
		A	M	-	11	56	9.05	
		A	iLR	-	18	41	2.10	
34	July 12	A	e	17	16	11	.20	
		A	e	-	28	17	.27	
		A	M	-	29	21	1.01	
35	July 16	A	iP	15	17	3		Amp. not visible.
		A	i	-	19	42	.30	Central Burma.
		A	iS	-	24	54	.35	
		M	i	-	25	10		
		A	i	-	25	45	.45	
		M	i	-	28	23		
		A	LR	-	33	37	.34	
		A	LR	-	42	44	.67	
		A	M	-	47	41	1.45	
36	July 17	A	iP	7	39	17	.28	Banda Sea.
		A	i	-	40	25	.99	(Deep Seated)
		M	i	-	40	26		
		A	i	-	41	27	.95	
		M	i	-	42	23		
		M	i	-	43	19		
		A	i	-	43	22	5.40	
		A	i	-	45	0		Amp. not visible.
		A	i	-	45	30	1.45	
		A	i	-	46	7	1.86	
		A	i	-	49	20	4.10	
		M	i	-	49	46		

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
				h.	m.	s.		
37	July 18	A	iP	6.	25	33	1.10	Banda Sea
		M	i	-	26	10		
		A	i	-	26	17	5.90	
		A	i	-	28	45	1.40	
		A	iS	-	30	22	3.10	
		M	iS	-	30	22		
		M	M	-	34	46		
		M	M	-	37	43		
		A	M	-	38	55	12.00	
A	M	-	43	53	12.05			
38	July 21	A	iP	15	43	50	.40	
		A	iPPP	-	48	8	.36	
		A	e	-	49	24	.21	
		A	i	-	53	0	.22	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on :- 4th, 9th, 15th, 23rd and 29th.
 By instrument "M" on:- 4th, 9th, 12th, and 21st.

AUGUST 1956

39	August 4	A	i	10	4	29	.35	
		A	i	-	6	47	.39	
		A	i	-	9	56		Amp. not visible.
		A	i	-	11	11	.60	
		A	M	-	15	54	1.66	
		A	M	-	16	57	1.65	
40	August 9	A	iP	23	10	57	1.60	Samoa Islands Region (Deep Seated) Amp. not visible.
		A	i	-	12	33	.45	
		A	i	-	14	3		
		A	iS	-	19	12	.36	
		A	SS	-	23	59		
		A	i	-	26	51	.50	
		A	i	-	28	13	.26	
		A	i	-	32	25	.65	
A	i	-	34	6	.88			
41	August 14	A	i	3	17	30	.15	Prince Edward Islands Region.
		A	e	-	20	33	.45	
		A	M	-	24	15	.74	
42	August 15	A	iP	5	28	2		Amp. not visible.
		A	i	-	28	29	.40	
		A	i	-	34	49	.40	Sumatra. (Deep Seated) Amp. not visible.
		A	i	-	34	55		
		A	i	-	36	52	.40	
43	August 15	A	iP	10	57	42	.36	Northern Celebes. (Deep Seated)
		A	i	-	58	2		
		A	pP	-	58	22	.35	
		A	PcP	11	0	25	.29	
		M	i	-	2	46	.16	
		M	i	-	2	55	.22	
		A	iS	-	2	57	.83	
		A	i	-	3	46	.47	
		A	i	-	4	52	.35	
		M	i	-	5	9	.35	
		M	i	-	6	18	.35	
A	ScS	-	7	42	1.35			

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
44	August 20	A	iP	23	49	39	.29	
		A	i	-	50	58	.20	
		A	iS	-	53	11	.50	
		M	i	-	53	12	.21	
		A	i	-	53	57	.60	
		M	i	-	54	40	.25	
		A	i	-	54	50	1.32	
		A	M	-	55	49	1.97	
		✓M	i	-	56	52	.30	
45	August 24	A	i	4	53	57		Amp. not visible. Aleutians.
		✓A	i	5	3	47	.26	
		A	e	-	14	32	.35	
		A	M	-	21	13	.75	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 2nd, 9th, 12th, 13th, 17th, 19th, 23rd, 24th(2) and 30th.

By instrument "M" on:- 4th, 9th, 14th, 19th, 24th.

A = Z
M = N

SEPTEMBER 1956

46	Sept. 11	A	P	2	42	29	✓	.14	Fiji Islands.	
		A	i	-	46	6	✓	.12		
		A	iS	-	50	42	✓	.18		
		A	e	-	57	17	✓	.20		
		✓A	i	3	1	25	✓	.24		
		A	M	-	5	52		1.35		
47	Sept. 11	A	eP	15	53	13		.10	New Hebrides.	
		A	PP	-	55	13		.09		
		✓A	SS	16	3	57	✓			Amp. not visible.
		A	e	-	8	31		.25		
		A	M	-	14	24		1.70		
48	Sept. 13	A	i	14	40	25		.18	South of Tasmania.	
		✓A	i	-	41	16		.20		
		A	e	-	42	36		.27		
		A	M	-	43	53		.57		
49	Sept. 16	A	P	8	49	41	✓	.11	Afghanistan.	
		A	i	9	6	22	✓	.20		
		✓A	i	-	10	38		.15		
		A	M	-	21	41		.76		
		A	M	-	24	20		.75		
50.	Sept. 24	A	i	6	29	41	✓	.31	Samoa Islands.	
		✓A	e	-	38	56	✓	.30		
		A	M	-	42	31		.60		
51	Sept. 24	A	i	7	30	39		.32	Fiji Islands.	
		✓A	M	-	33	59		1.20		
		A	M	-	35	24		1.55		
52	Sept. 29	A	i	9	21	56	✓	.30	Nicobar Islands.	
		✓A	i	-	24	25	✓	.42		
		A	M	-	25	41		.70		

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 9th, 10th (3), 11th (2), 13th (2), 15th (2), 18th, 21st, 29th.

By instrument "M" on:- 11th (2), 13th, 16th, 24th, 29th.

PERTH, WESTERN AUSTRALIA
 SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for October to December 1956



Instrument
 Columbia-Lamont long
 period seismograph.
 Milne-Shaw no. 27

Symbol
 A
 M

Component
 Vertical
 North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
OCTOBER 1956								
53	Oct. 7	A	i	21	52	54	.25	
		A	M	-	56	37	.36	
54	Oct. 8	A	i(?)	0	27	-3	-	Amp. not visible. North Coast of New Guinea.
		A	i	-	43	38	.62	
		A	i	-	43	45	1.30	
55	Oct. 8	A	i	15	29	22	.40	Tonga Islands,
		A	i	-	31	28	.34	
		A	M	-	35	12	.67	
56	Oct. 13	A	e	19	1	51	.15	New Britain,
		A	i	-	7	35	.30	
		A	i	-	10	19	.39	
		A	i	-	15	12	.26	
		A	M	-	19	38	1.35	
57	Oct. 19	A	e	14	27	57	-	Amp. not visible. South Pacific Ocean,
		A	e	-	33	16	.18	
		A	e	-	41	14	.16	
		A	M	-	44	59	1.00	
58	Oct. 19	A	i	21	14	24	.20	Rat Islands Aleutian Is.
		A	e	-	20	10	.34	
		A	e	-	33	31	.05	
		A	M	-	37	44	.60	
		A	M	-	49	47	.74	
59	Oct. 22	A	iP	12	42	42	.39	Near Coast of Papua,
		A	PP	-	44	7	.30	
		M	i	-	49	8	.10	
		A	i	-	51	44	.55	
		A	i	-	55	29	.80	
		M	i	-	55	48	.30	
		A	i	-	57	28	2.22	
		M	i	-	57	45	.85	
		A	M	-	58	52	5.70	
		M	M	-	59	13	2.10	
60	Oct. 24	M	M	13	0	10	1.20	Amp. not visible. Near Coast of Nicaragua.
		A	M	-	1	32	5.15	
		A	iP	15	2	2	-	
		A	i	-	2	25	.85	
		A	i	-	5	50	.50	
		A	i	-	13	24	.19	
		A	i	-	15	47	.25	
		A	i	-	16	7	.50	
		A	i	-	21	13	.25	
		A	i	-	26	0	-	
		A	i	-	54	15	.70	
60	Oct. 24	A	M	-	56	38	1.20	Amp. not visible.
		A	M	16	7	52	1.15	
		A	M	-	9	36	1.29	
		A	M	-	9	36	1.29	

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
			h.	m.	s.			
77	Nov.26	A	iP	23	38	35	.25	Loyalty Islands.
		A	i	-	40	32	.34	
		A	iS	-	45	32	.35	
		A	i	-	48	57	.47	
		A	i	-	49	31	.95	
		M	e	-	52	39	.18	
		A	LR	-	52	54	.15	
		M	i	-	55	55	.25	
Nov.27	A	M	-	59	48	5.50		
	M	M	0	0	55	.35		
78	Nov.27	A	iP	13	28	7	.22	Loyalty Islands. Aftershock.
		A	eS	-	35	8	.10	
		A	i	-	38	35	.25	
		A	SS	-	39	7	.23	
		A	eLR	-	42	48	.12	
		A	M	-	48	53	1.15	
79	Nov.28	A	iP	19	40	7	.27	Northern Kurile Islands.
		A	e	-	52	5	.20	
		A	i	20	7	29	.20	
		A	M	-	15	30	.35	
		A	M	-	18	55	.40	
80	Nov.29	A	iP	9	25	54	.40	Bonin Islands.
		A	iS	-	34	32	.29	
		A	i	-	37	30	.25	
		A	i	-	39	51	.45	
		A	M	-	49	42	.90	

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 1st, 4th, 6th, 8th (2), 9th, 10th, 12th, 13th, 14th, 15th, 16th (2), 17th, 19th (2), 22nd (3), 25th (3), 26th, 27th (3), 28th, 29th.

by instrument "M" on:- 4th, 6th, 16th, 18th, 19th, 21st, 24th, 25th (2), 27th (2), 29th.

DECEMBER 1956

81	Dec. 8	A	e	16	38	08	.11	Aleutian Island.
		A	e	-	43	16	.10	
		A	e	-	57	28	.21	
		A	M	17	7	00	.55	
		A	M	-	12	05	.60	
82	Dec.15	A	i	17	44	17	.31	New Hebrides.
		A	i	-	52	39	.26	
83	Dec.18	A	i	2	51	35	.25	Chile-Argentina border.
		A	e	-	51	47	.25	
		A	i	3	1	37	.28	
		A	i	-	7	32	.40	
		A	e	-	28	25	.32	
		A	M	-	33	32	1.05	
		A	M	-	41	9	1.03	
84	Dec.18	A	M	-	44	22	1.13	
		A	iP	19	26	44	.28	South Indian Ocean.
		A	S	-	32	03	.25	
		A	i	-	35	10	.50	
A	M	-	36	18	1.10			

PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for October to December 1956



Instrument Columbia-Lamont long period seismograph.
Milne-Shaw no. 27

Symbol A
M

Component Vertical
North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
<u>OCTOBER 1956</u>								
53	Oct. 7	A	i	21	52	54	.25	
		A	M	-	56	37	.36	
54	Oct. 8	A	i(?)	0	27	3	-	Amp. not visible, North Coast of New Guinea.
		A	i	-	43	38	.62	
		A	i	-	43	45	1.30	
55	Oct. 8	A	i	15	29	22	.40	Tonga Islands,
		A	i	-	31	28	.34	
		A	M	-	35	12	.67	
56	Oct. 13	A	e	19	1	51	.15	New Britain,
		A	i	-	7	35	.30	
		A	i	-	10	19	.39	
		A	i	-	15	12	.26	
		A	M	-	19	38	1.35	
57	Oct. 19	A	e	14	27	57	-	Amp. not visible. South Pacific Ocean,
		A	e	-	33	16	.18	
		A	e	-	41	14	.16	
		A	M	-	44	59	1.00	
58	Oct. 19	A	i	21	14	24	.20	Rat Islands Aleutian Is.
		A	e	-	20	10	.34	
		A	e	-	33	31	.05	
		A	M	-	37	44	.60	
		A	M	-	49	47	.74	
59	Oct. 22	A	iP	12	42	42	.39	Near Coast of Papua,
		A	PP	-	44	7	.30	
		M	i	-	49	8	.10	
		A	i	-	51	44	.55	
		A	i	-	55	29	.80	
		M	i	-	55	48	.30	
		A	i	-	57	28	2.22	
		M	i	-	57	45	.85	
		A	M	-	58	52	5.70	
		M	M	-	59	13	2.10	
60	Oct. 24	M	M	13	0	10	1.20	Near Coast of Nicaragua.
		A	M	-	1	32	5.15	
		A	iP	15	2	2	-	
		A	i	-	2	25	.85	
		A	i	-	5	50	.50	
		A	i	-	13	24	.19	
		A	i	-	15	47	.25	
		A	i	-	16	7	.50	
		A	i	-	21	13	.25	
		A	i	-	26	0	-	
		A	i	-	54	15	.70	
		A	M	-	56	38	1.20	
A	M	M	M	16	7	52	1.15	
				-	9	36	1.29	

Amp. not visible.

No.	Date	Inst.	Phase	Time			Amp.	Remarks	
				G.M.T.					
				h.	m.	s.	cms		
61	Oct. 26	A	i	9	1	11	.21	Banda Sea. (Deep Seated)	
		A	i	-	1	28	.43		
		A	iS	-	5	17	.25		
		A	iSS	-	6	22	.35		
		A	i	-	7	4	.30		
		A	i	-	7	54	.53		
		A	i	-	11	43	.55		
62	Oct. 26	A	iP	22	59	24	.72	New Hebrides Islands.	
		A	i	23	1	20	.35		Amp. not visible.
		A	iS	-	7	4			
		M	i	-	7	15	.08		
		A	e	-	10	13	.95		
		A	i	-	10	58		Amp. not visible.	
		M	i	-	13	4		Amp. not visible.	
		A	i	-	14	49	.85		
		M	i	-	14	57	.10		
		M	M	-	18	31	.34		
63	Oct. 28	A	M	-	20	5	.35		
		A	M	-	20	40	9.20		
		A	iP	3	38	8	.70	Kermadec Islands.	
		A	i	-	38	37	.25		
		A	iS	-	45	38	.22		
		A	e	-	48	46	.15		
		A	i	-	51	57	.55		
A	i	-	54	39	.50				
A	M	-	57	12	1.85				
64	Oct. 31	A	M	4	0	28	2.05		
		A	iP	14	16	12	.10	Southern Iran.	
		A	PP	-	19	33	.25		
		A	iS	-	26	29	.20		
		A	i	-	42	18	.19		
		A	e	-	44	10	.30		
		A	M	-	50	32	.50		
A	M	15	0	25	1.27				

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 9th, 12th, 19th (2), 20th, 23rd, 25th, 26th, 27th, 28th, 31st.

by instrument "M" on:- 8th, 13th, 19th (2), 24th, 26th, 28th, 31st.

NOVEMBER 1956

65	Nov. 3	A	iP	18	11	3	.18	South of Fiji Islands. (Deep Seated)
		A	i	-	13	38	.10	
		A	iS	-	18	25	.14	
		A	i	-	25	27	.15	
		A	e	-	33	22	.05	
		A	M	-	37	5	.22	
66	Nov. 4	A	iP	7	15	58		Amp. not visible. Tonga Islands. (Deep Seated)
		A	PP	-	16	27	.24	
		A	iS	-	24	22	.25	
		A	e	-	31	21	.25	
		A	M	-	41	47	1.75	

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
67	Nov. 6	A	iP	14	19	2		Amp. not visible. Banda Sea.
		A	i	-	25	29	.15	
		A	i	-	29	44	.25	
		A	i	-	30	52	.25	
		A	i	-	32	6		Amp. not visible.
		A	M	-	33	37	1.30	
68	Nov. 9	A	P	13	25	46	.16	Southern Mexico. (Deep Seated)
		A	i	-	25	54	.44	
		A	i	-	26	38	.30	
		A	i	-	26	52	.45	
		A	PP	-	29	24	.27	
		A	i	-	39	37	.20	
		A	i	-	40	39	.40	
		A	i	14	8	22	.19	
		A	i	-	16	14	.30	
69	Nov. 13	A	iP	9	59	42	1.50	Indian Ocean. South of Perth. Amp. not visible.
		M	iP	-	59	43	.28	
		A	S(?)	10	3	3		
		M	iS	-	3	8	.18	
		A	i	-	4	13	1.75	
		M	i	-	4	18	.22	
		A	i	-	4	25	2.90	
		A	M	-	4	31	4.40	
		M	i	-	4	55	.25	
		A	i	-	5	35	1.57	
		A	M	-	6	49	.55	
A	M	-	7	53	2.25			
70	Nov. 16	A	i	8	56	51	.15	Central New Guinea. (Deep Seated)
		A	i	9	2	12	.15	
		A	i	-	3	40	.35	
		A	i	-	5	25	.49	
71	Nov. 18	A	e	18	45	50	.20	Kermadec Island Region.
		A	e	-	48	40	.30	
		A	M	-	52	54	.72	
72	Nov. 21	A	i	8	8	50	.25	Solomon Islands.
		A	i	-	9	57	.24	
		A	e	-	13	44	.10	
		A	M	-	17	20	.41	
		A	M	-	20	26	.60	
73	Nov. 23	A	e	8	3	3		Amp. not visible. Artificial explosion under site of Narrows Bridge ($\frac{3}{4}$ mile south- east of seismograph)
		A	M	-	3	17	11.15	
74	Nov. 24	A	i	21	0	15	.16	Tonga Islands Region.
		A	i	-	8	15	.15	
		A	M	-	19	0	.75	
75	Nov. 25	A	iP	18	16	41	.17	New Hebrides Islands.
		A	i	-	18	38	.21	
		A	eS	-	24	8	.15	
		A	SS	-	27	45	.21	
		A	LR	-	32	2		Amp. not visible.
		A	M	-	37	45	1.95	
76	Nov. 26	A	iP	5	14	34	.10	Celebes.
		A	i	-	15	8	.10	
		A	e	-	21	45	.11	

No.	Date	Inst.	Phase	Time			Amp.	Remarks
				G.M.T.				
				h.	m.	s.	cms	
77	Nov.26	A	iP	23	38	35	.25	Loyalty Islands.
		A	i	-	40	32	.34	
		A	iS	-	45	32	.35	
		A	i	-	48	57	.47	
		A	i	-	49	31	.95	
		M	e	-	52	39	.18	
		A	LR	-	52	54	.15	
		M	i	-	55	55	.25	
	Nov.27	A	M	-	59	48	5.50	
		M	M	0	0	55	.35	
78	Nov.27	A	iP	13	28	7	.22	Loyalty Islands. Aftershock.
		A	eS	-	35	8	.10	
		A	i	-	38	35	.25	
		A	SS	-	39	7	.23	
		A	eLR	-	42	48	.12	
		A	M	-	48	53	1.15	
79	Nov.28	A	iP	19	40	7	.27	Northern Kurile Islands.
		A	e	-	52	5	.20	
		A	i	20	7	29	.20	
		A	M	-	15	30	.35	
		A	M	-	18	55	.40	
80	Nov.29	A	iP	9	25	54	.40	Bonin Islands.
		A	iS	-	34	32	.29	
		A	i	-	37	30	.25	
		A	i	-	39	51	.45	
		A	M	-	49	42	.90	

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 1st, 4th, 6th, 8th (2), 9th, 10th, 12th, 13th, 14th, 15th, 16th (2), 17th, 19th (2), 22nd (3), 25th (3), 26th, 27th (3), 28th, 29th.

by instrument "M" on:- 4th, 6th, 16th, 18th, 19th, 21st, 24th, 25th (2), 27th (2), 29th.

DECEMBER 1957

81	Dec. 8	A	e	16	38	08	.11	Aleutian Island.
		A	e	-	43	16	.10	
		A	e	-	57	28	.21	
		A	M	17	7	00	.55	
		A	M	-	12	05	.60	
82	Dec.15	A	i	17	44	17	.31	New Hebrides.
		A	i	-	52	39	.26	
83	Dec.18	A	i	2	51	35	.25	Chile-Argentina border.
		A	e	-	51	47	.25	
		A	i	3	1	37	.28	
		A	i	-	7	32	.40	
		A	e	-	28	25	.32	
		A	M	-	33	32	1.05	
		A	M	-	41	9	1.03	
84	Dec.18	A	iP	19	26	44	.28	South Indian Ocean.
		A	S	-	32	03	.25	
		A	i	-	35	10	.50	
		A	M	-	36	18	1.10	

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks.
				h.	m.	s.		
85	Dec.20	A	eP	11	9	57	.05	Kermadec Islands.
		A	e	-	17	42	.09	
		A	i	-	24	53	.16	
		A	M	-	36	54	1.71	
86	Dec.21	A	e	9	44	01		Amp. not visible. Queen Charlotte Islands.
		A	e	-	58	43	.11	
		A	e	10	2	43	.15	
		A	M	-	9	38	.53	
		A	M	-	19	28	.60	
87	Dec.22	A	P	22	47	55	.15	Kermadec Islands.
		A	e	23	2	20	.10	
		A	i	-	5	37	.16	
		A	M	-	10	51	.70	
88	Dec.26	A	iP	7	39	28	.18	Off South Coast of Java.
		A	iS	-	43	36	.10	
		A	M	-	48	18	.25	
		A	M	-	50	49	.41	
89	Dec.26	A	i	8	3	15	.65	Santa Cruz Islands.
		A	i	-	7	21	.56	
		A	M	-	17	35	1.15	
90	Dec.27	A	iP	0	23	56	.60	Tonga Islands. (Deep Seated)
		M	i	-	24	48	.20	
		A	sP	-	25	07	2.40	
		A	i	-	25	35	1.70	
		A	i	-	28	32	.81	
		A	i	-	28	43	1.40	
		M	i	-	31	27	.20	
		M	i	-	31	54	.47	
		A	iS	-	31	54	.80	
		A	sS	-	33	22	.97	
		M	e	-	38	42	.25	
		M	i	-	42	14	.55	
		M	M	-	44	54	.70	
		A	M	-	47	53	5.30	
		A	M	-	52	35	4.40	
91	Dec.28	A	i	14	33	31	.15	Near North Coast of New Zealand. (Deep Seated)
		A	i	-	34	05	.40	
		A	i	-	37	33	.19	
		A	e	-	40	54	.22	
		A	e	-	46	56	.25	
		A	i	-	48	50	.35	
		A	M	-	54	15	2.06	
		A	M	-	58	20	2.41	

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 1st, 2nd, 3rd (2), 4th, 8th, 9th (2), 10th, 11th, 13th (2), 16th (2), 20th, 21st, 22nd, 25th (3), 27th, 29th (3).

by instrument "M" on:- 8th, 15th, 18th (2), 20th, 26th, 28th, 29th.

Perth.

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
46	May 22	A	iP	3	11	55	✓ .15	Samoa Islands.
		A	i	-	18	42	✓ .16	
		A	e	-	34	42	✓ .22	
		A	M	-	38	37	1.05	
		A	M	-	41	29	1.23	
47	May 22	A	iP	13	43	42	✓ .20	New Ireland. Deep Seated.
		A	PcP	-	45	7	✓ .15	
		A	i	-	46	14	.21	
		M	i	-	49	35		
		A	iS	-	49	36	✓ .42	
		M	i	-	52	21		
		A	i	-	53	13	.41	
		A	i	-	53	22	.74	
48	May 23	A	iP	20	58	10	✓ 3.80	Fiji Islands. Deep Seated.
		M	i	-	58	29		
		A	i	-	59	35	✓ 3.51	
		M	i	-	59	52		
		A	i	21	0	4	1.29	
		A	i	-	1	46	1.25	
		M	i	-	2	32		
		M	i	-	3	53		
		M	iS	-	5	52	✓	
		A	iS	-	5	52	2.05	
		M	i	-	6	57		
		M	i	-	7	20		
		M	i	-	9	0		
		A	i	-	10	8	3.20	
		A	i	-	15	12	5.00	
A	i	-	19	22	3.60			
A	i	-	25	42	1.90			
A	M	-	25	55	10.60			
49	May 26	A	i	8	37	24	✓ .20	Banda Sea.
		A	iS	-	41	32	✓ .25	
		A	LR	-	44	44	✓ .30	
		A	M	-	48	12	.81	
50	May 26	A	iP	20	30	40	✓ .80	Fiji Islands. Deep Seated
		A	i	-	32	41	✓ .30	
		M	iS	-	38	5	✓	
		A	iS	-	38	7	✓ .21	
		M	i	-	39	32	✓	
		A	i	-	39	39	.45	
A	i	-	45	8	.50			
51	May 27	A	iP	17	3	5	✓ .34	Banda Sea. Deep Seated.
		M	i	-	3	17	✓	
		M	i	-	3	28	✓	
		A	i	-	3	44	.23	
		A	iS	-	7	48	✓ .21	
		M	iS	-	7	48		
		A	i	-	8	7	.56	
		A	i	-	10	16	.38	
		M	i	-	10	57		
A	i	-	13	16	.40			

Tremors and undecipherable disturbances were recorded:-
 By instrument "A" on:- 1st (2), 2nd, 4th, 5th, 23rd, 28th, 30th.(3)
 By instrument "M" On:-26th, 30th.

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
<u>JUNE 1956</u>								
52	June 4	A	i	12	32	28	.35	
		✓ A	i	-	38	16	.35	
		A	M	-	39	56	1.00	
53	June 5	✓ A	e	6	41	10	.20	
		A	M	-	43	38	.80	
54	June 8	A	i	12	48	3 (?)		Amp. not visible
		✓ A	i	-	52	1		Amp. not visible
		A	M	-	55	50	.66	
55	June 9	✓ A	i	10	28	36	.42	Central Chile
		A	i	-	38	28	.55	
56	June 9	A	i	10	56	48	.40	
		A	e	11	4	35	.30	
		✓ A	i	-	8	10	.45	
		A	i	-	12	45	.75	
		A	M	-	17	7	1.95	
57	June 9	A	iP	23	26	8	2.20	Afganistan
		A	PP	-	29	19	.90	
		✓ A	iS	-	36	14	1.10	
		A	i	-	45	9	1.40	
		A	i	-	47	46		Amp. not visible
		A	i	-	51	51		Amp. not visible
	June 10	A	M	0	0	45	6.60	
58	June 21	A	iP	20	37	20	.20	
		A	i	-	37	31	.41	
		M	i	-	41	52		
		✓ A	i	-	42	2		Amp. not visible
		M	i	-	43	0		
		A	i	-	45	44	.47	
		A	M	-	50	17	.85	
59	June 23	A	? P	2	35	37	.22	Near East Coast of Kamchatka.
		✓ A	i	-	44	28	.24	
		A	M	3	22	45	.50	
60	June 24	A	i	21	6	57	.42	Solomon Islands.
		✓ A	e	-	13	37	.25	
		A	M	-	25	44	2.15	
61	June 29	✓ A	e	0	3	57	.35	
		A	i	-	9	28	.28	

Tremors and undecipherable disturbances were recorded:-

By instrument "A" on:- 5th (2), 13th, 15th, 16th, 21st.

By instrument "M" on:- 4th, 9th (2), 24th.

PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for October to December 1956

Instrument
Columbia-Lamont long
period seismograph.
Milne-Shaw no. 27.

Symbol
A
M

Component
Vertical
North - South

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
<u>OCTOBER 1956</u>								
53	Oct. 7	A	i	21	52	54	.25	
		A	M	-	56	37	.36	
54	Oct. 8	A	i(?)	0	27	3	-	Amp. not visible.
		A	i	-	43	38	.62	North Coast of
		A	i	-	43	45	1.30	New Guinea.
55	Oct. 8	A	i	15	29	22	.40	Tonga Islands,
		A	i	-	31	28	.34	
		A	M	-	35	12	.67	
56	Oct. 13	A	e	19	1	51	.15	New Britain,
		A	i	-	7	35	.30	
		A	i	-	10	19	.39	
		A	i	-	15	12	.26	
		A	M	-	19	38	1.35	
57	Oct. 19	A	e	14	27	57	-	Amp. not visible.
		A	e	-	33	16	.18	South Pacific
		A	e	-	41	14	.16	Ocean,
		A	M	-	44	59	1.00	
58	Oct. 19	A	i	21	14	24	.20	Rat Islands
		A	e	-	20	10	.34	Aleutian Is.
		A	e	-	33	31	.05	
		A	M	-	37	44	.60	
		A	M	-	49	47	.74	
59	Oct. 22	A	iP	12	42	42	.39	Near Coast of
		A	PP	-	44	7	.30	Papua,
		M	i	-	49	8	.10	
		A	i	-	51	44	.55	
		A	i	-	55	29	.80	
		M	i	-	55	48	.30	
		A	i	-	57	28	2.22	
		M	i	-	57	45	.85	
		A	M	-	58	52	5.70	
		M	M	-	59	13	2.10	
		M	M	13	0	10	1.20	
		A	M	-	1	32	5.15	
60	Oct. 24	A	iP	15	2	2	-	Amp. not visible.
		A	i	-	2	25	.85	Near Coast of
		A	i	-	5	50	.50	Nicaragua.
		A	i	-	13	24	.19	
		A	i	-	15	47	.25	
		A	i	-	16	7	.50	
		A	i	-	21	13	.25	
		A	i	-	26	0	-	Amp. not visible.
		A	i	-	54	15	.70	
		A	M	-	56	38	1.20	
		A	M	16	7	52	1.15	
		A	M	-	9	36	1.29	

No.	Date	Inst.	Phase	Time G.M.T.			Amp.	Remarks
				h.	m.	s.		
61	Oct. 26	A	i	9	1	11	.21	Banda Sea. (Deep Seated)
		A	i	-	1	28	.43	
		A	iS	-	5	17	.25	
		A	iSS	-	6	22	.35	
		A	i	-	7	4	.30	
		A	i	-	7	54	.53	
		A	i	-	11	43	.55	
		A	i	-	13	55	.45	
62	Oct. 26	A	iP	22	59	24	.72	New Hebrides Islands. Amp. not visible.
		A	i	23	1	20	.35	
		A	iS	-	7	4	.08	
		M	i	-	7	15	.95	
		A	e	-	10	13	.95	
		A	i	-	10	58	Amp. not visible.	
		M	i	-	13	4	Amp. not visible.	
		A	i	-	14	49	.85	
		M	i	-	14	57	.10	
		M	M	-	18	31	.34	
M	M	-	20	5	.35			
A	M	-	20	40	9.20			
63	Oct. 28	A	iP	3	38	8	.70	Kermadec Islands.
		A	i	-	38	37	.25	
		A	iS	-	45	38	.22	
		A	e	-	48	46	.15	
		A	i	-	51	57	.55	
		A	i	-	54	39	.50	
		A	M	-	57	12	1.85	
		A	M	4	0	28	2.05	
64	Oct. 31	A	iP	14	16	12	.10	Southern Iran.
		A	PP	-	19	33	.25	
		A	iS	-	26	29	.20	
		A	i	-	42	18	.19	
		A	e	-	44	10	.30	
		A	M	-	50	32	.50	
		A	M	15	0	25	1.27	

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 9th, 12th, 19th (2), 20th, 23rd, 25th, 26th, 27th, 28th, 31st.

by instrument "M" on:- 8th, 13th, 19th (2), 24th, 26th, 28th, 31st.

NOVEMBER 1956

65	Nov. 3	A	iP	18	11	3	.18	South of Fiji Islands. (Deep Seated)
		A	i	-	13	38	.10	
		A	iS	-	18	25	.14	
		A	i	-	25	27	.15	
		A	e	-	33	22	.05	
		A	M	-	37	5	.22	
66	Nov. 4	A	iP	7	15	58	Amp. not visible.	Tonga Islands. (Deep Seated)
		A	PP	-	16	27	.24	
		A	iS	-	24	22	.25	
		A	e	-	31	21	.25	
		A	M	-	41	47	1.75	

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms	Remarks
				h.	m.	s.		
67	Nov. 6	A	iP	14	19	2 ✓		Amp. not visible.
		A	i	-	25	29	.15	Banda Sea.
		A	i	-	29	44	.25	
		A	i	-	30	52	.25	
		A	M	-	33	37	1.30	Amp. not visible.
68	Nov. 9	A	P'	13	25	46	.16	Southern Mexico. (Deep Seated)
		A	i	-	25	54	.44	
		A	i	-	26	38	.30	
		A	i	-	26	52	.45	
		A	PP	-	29	24	.27	
		A	i	-	39	37	.20	
		A	i	-	40	39	.40	
		A	i	14	8	22	.19	
69	Nov. 13	A	iP	9	59	42	1.50	Indian Ocean. South of Perth.
		M	iP	-	59	43	.28	
		A	S(?)	10	3	3		Amp. not visible.
		M	iS	-	3	8	.18	
		A	i	-	4	13	1.75	
		M	i	-	4	18	.22	
		A	i	-	4	25	2.90	
		A	M	-	4	31	4.40	
		M	i	-	4	55	.25	
		A	i	-	5	35	1.57	
70	Nov. 16	A	i	8	56	51	.15	Central New Guinea.
		A	i	9	2	12	.15	
		A	i	-	3	40	.35	(Deep Seated)
		A	i	-	5	25	.49	
71	Nov. 18	A	e	18	45	50	.20	Kermadec Island Region.
		A	e	-	48	40	.30	
		A	M	-	52	54	.72	
72	Nov. 21	A	i	8	8	50	.25	Solomon Islands.
		A	i	-	9	57	.24	
		A	e	-	13	44	.10	
		A	M	-	17	20	.41	
		A	M	-	20	26	.60	
73	Nov. 23	A	e	8	3	3		Amp. not visible. Artificial explosion under site of Narrows Bridge ($\frac{3}{4}$ mile south- east of seismograph)
		A	M	-	3	17	11.15	
74	Nov. 24	A	i	21	0	15	.16	Tonga Islands Region.
		A	i	-	8	15	.15	
		A	M	-	19	0	.75	
75	Nov. 25	A	iP	18	16	41	.17	New Hebrides Islands.
		A	i	-	18	38	.21	
		A	eS	-	24	8	.15	
		A	SS	-	27	45	.21	
		A	LR	-	32	2		Amp. not visible.
		A	M	-	37	45	1.95	
76	Nov. 26	A	iP	5	14	34	.10	Celebes.
		A	i	-	15	8	.10	
		A	e	-	21	45	.11	

No.	Date	Inst.	Phase	Time G.M.T.			Amp.	Remarks
				h.	m.	s.		
77	Nov.26	A	iP	23	38	35	.25	Loyalty Islands.
		A	i	-	40	32	.34	
		A	iS	-	45	32	.35	
		A	i	-	48	57	.47	
		A	i	-	49	31	.95	
		M	e	-	52	39	.18	
		A	LR	-	52	54	.15	
		M	i	-	55	55	.25	
Nov.27	A	M	-	59	48	5.50		
	M	M	0	0	55	.35		
78	Nov.27	A	iP	13	28	7	.22	Loyalty Islands. Aftershock.
		A	eS	-	35	8	.10	
		A	i	-	38	35	.25	
		A	SS	-	39	7	.23	
		A	eLR	-	42	48	.12	
		A	M	-	48	53	1.15	
79	Nov.28	A	iP	19	40	7	.27	Northern Kurile Islands.
		A	e	-	52	5	.20	
		A	i	20	7	29	.20	
		A	M	-	15	30	.35	
		A	M	-	18	55	.40	
80	Nov.29	A	iP	9	25	54	.40	Bonin Islands.
		A	iS	-	34	32	.29	
		A	i	-	37	30	.25	
		A	i	-	39	51	.45	
		A	M	-	49	42	.90	

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 1st, 4th, 6th, 8th (2), 9th, 10th, 12th, 13th, 14th, 15th, 16th (2), 17th, 19th (2), 22nd (3), 25th (3), 26th, 27th (3), 28th, 29th.

by instrument "M" on:- 4th, 6th, 16th, 18th, 19th, 21st, 24th, 25th (2), 27th (2), 29th.

DECEMBER 1957

81	Dec. 8	A	e	16	38	08	.11	Aleutian Island.
		A	e	-	43	16	.10	
		A	e	-	57	28	.21	
		A	M	17	7	00	.55	
		A	M	-	12	05	.60	
82	Dec.15	A	i	17	44	17	.31	New Hebrides.
		A	i	-	52	39	.26	
83	Dec.18	A	i	2	51	35	.25	Chile-Argentina border.
		A	e	-	51	47	.25	
		A	i	3	1	37	.28	
		A	i	-	7	32	.40	
		A	e	-	28	25	.32	
		A	M	-	33	32	1.05	
		A	M	-	41	9	1.03	
		A	M	-	44	22	1.13	
84	Dec.18	A	iP	19	26	44	.28	South Indian Ocean.
		A	S	-	32	03	.25	
		A	i	-	35	10	.50	
		A	M	-	36	18	1.10	

No.	Date	Inst.	Phase	Time			Amp.	Remarks.
				G.M.T.				
				h.	m.	s.	cms	
85	Dec.20	✓ A	eP	11	9	57	.05	Kermadec Islands.
		✓ A	e	-	17	42	.09	
		A	i	-	24	53	.16	
		A	M	-	36	54	1.71	
86	Dec.21	A	e	9	44	01		Amp. not visible. Queen Charlotte Islands.
		A	e	-	58	43	.11	
		✓ A	e	10	2	43	.15	
		A	M	-	9	38	.53	
		A	M	-	19	28	.60	
87	Dec.22	✓ A	P	22	47	55	.15	Kermadec Islands.
		✓ A	e	23	2	20	.10	
		A	i	-	5	37	.16	
		A	M	-	10	51	.70	
88	Dec.26	A	iP	7	39	28	.18	Off South Coast of Java.
		✓ A	iS	-	43	36	.10	
		A	M	-	48	18	.25	
		A	M	-	50	49	.41	
89	Dec.26	✓ A	i	8	3	15	.65	Santa Cruz Islands.
		✓ A	i	-	7	21	.56	
		A	M	-	17	35	1.15	
90	Dec.27	A	iP	0	23	56	.60	Tonga Islands. (Deep Seated)
		M	i	-	24	48	.20	
		✓ A	sP	-	25	07	2.40	
		✓ A	i	-	25	35	1.70	
		✓ A	i	-	28	32	.81	
		✓ A	i	-	28	43	1.40	
		✓ M	i	-	31	27	.20	
		✓ M	i	-	31	54	.47	
		✓ A	iS	-	31	54	.80	
		✓ A	sS	-	33	22	.97	
		✓ M	e	-	38	42	.25	
		✓ M	i	-	42	14	.55	
		✓ M	M	-	44	54	.70	
✓ A	M	-	47	53	5.30			
✓ A	M	-	52	35	4.40			
91	Dec.28	✓ A	i	14	33	31	.15	Near North Coast of New Zealand. (Deep Seated)
		✓ A	i	-	34	05	.40	
		✓ A	i	-	37	33	.19	
		✓ A	e	-	40	54	.22	
		✓ A	e	-	46	56	.25	
		✓ A	i	-	48	50	.35	
		✓ A	M	-	54	15	2.06	
✓ A	M	-	58	20	2.41			

Tremors and undecipherable disturbances were recorded -

by instrument "A" on:- 1st, 2nd, 3rd (2), 4th, 8th, 9th (2), 10th, 11th, 13th (2), 16th (2), 20th, 21st, 22nd, 25th (3), 27th, 29th (3).

by instrument "M" on:- 8th, 15th, 18th (2), 20th, 26th, 28th, 29th.