

PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY.
JANUARY - MARCH, 1954.



JANUARY.

Inst.	No.	Date.	Phase	Time.			Period.	Amp.	Dist- ance.	Remarks.
				G. M. T.						
				h.	m.	s.	s.	cms.	mls.	
27	1	Jan. 1	iP pP PP iS ScP F	13	9	26		.25 .18 .40 .60 1.10		Sawoe Sea
	2	Jan. 12	P i PP i S i LQ M	14	28	9		.25 .30 .35 .30 .55 1.75 .50 3.25		
	3	Jan. 13	iP PP i iS LR LQ M F	0	21	04		.24 .20 .20 .26 .40 .80 1.20		Off South Island of New Zealand
	4	Jan. 18	i i i	10 11	58 1 2	55 33 15		.20 .25 .20		Banda Sea
	5	Jan. 22	i i i	21	38 42 46	49 30 5		.15 .12 .15		Loyalty Islands

Tremors and undecipherable disturbances were recorded
on Jan 4th, (1), 11th (1), 20th (1), 22nd (1) and 29th (1).

FEBRUARY.

	6	Feb. 1	P i S S LQ M F	1	17 19 25 30 32 39 36	14 49 30 20 19 45 21		.12 .15 .15 .13 .15 .40		Volcano Islands
				2						

Inst.	No.	Date.	Phase	Time G. M. T.			Period. s.	Amp. cms.	Dist- ance. mls.	Remarks
				h.	m.	s.				
27	7	Feb. 5	eP PP iS i i M F	9 11	28 30 34 37 40 45 10	25 5 32 56 0 0 30		.10 .20 .32 .75 .45 1.25		Off coast of New Britain
	8	Feb. 7	i i i M F	6 7	31 32 35 43 39	9 5 25 30 45		.15 .10 .10 .25		New Hebrides Islands
	9	Feb. 11	iP PP PPP i i i SS G LR M F	0 1 2	41 44 46 51 52 54 56 59 3 11 9	48 25 3 10 0 3 0 35 30 50 40		.26 .25 .25 .30 .30 .25 .36 .40 .40 .80		Ningsia Province China
	10	Feb. 20	iP i i i iS i ScP PeS M ScS F	18 20	40 41 42 42 43 44 45 46 47 49 23	2 28 7 29 56 31 45 41 30 26 40		.26 .90 .39 .90 4.10 1.20 1.25 1.95 4.40 2.00		Flores Sea (deep seated)
	11	Feb. 28	i i	18	20 22	11 23		.15 .10		South Australia- Earth- quake.

Tremors and undecipherable disturbances were recorded
on Feb. 20th (1), 24th (2).

MARCH

	12	Mar. 3	eP i iS i i LQ i M	6	10 11 15 15 15 17 19 25	9 35 48 52 59 50 27 0		.10 .25 .35 .40 .75 .50 .70 8.80		Central New Guinea.
--	----	--------	---	---	--	--	--	---	--	------------------------

Inst.	No.	Date.	Phase	Time G. M. T.			Period. s.	Amp. cms.	Dist- ance. mils.	Remarks
				h.	m.	s.				
27	13	Mar. 3	i i M	7 8	59 4 12	4 15 52		.30 .28 .20		Kamchatka
	14	Mar. 3	e i M	10 11	53 55 0	41 35 0		.05 .10 .35		Central New Guinea.
	15	Mar. 3	P i iS i i M	15	34 37 40 41 42 43	35 52 15 10 40 15		.10 .25 .30 .40 .90 .25		Central New Guinea.
	16	Mar. 13	iP iS e M	18	17 22 22 32	9 20 30 15		.10 .10 .12 .20		
	17	Mar. 14	i i M	9	11 22 26	31 54 55		.10 .21 .25		Fiji Islands
	18	Mar. 21 " 22	iP PcP sPP PPP i iS i i M i	23 0	52 52 55 55 58 59 0 6 7 7	3 50 7 54 11 55 30 50 0 25		.21 .20 .28 .20 .25 .75 .50 .51 1.00 .97		Indo-Burma Border.
	19	Mar. 29	i i i e	6 7	39 42 44 9	35 59 35 50		.24 .20 .20 .10		Near South Coast of Spain
	20	Mar. 31	i S i i M	18	38 46 46 55 58	30 16 28 14 35		.30 .25 .45 .45 1.10		Arabian Sea.

Tremors and undecipherable disturbances were recorded on March 5th (1), 8th (2), 12th (1), 23rd (1), 26th (1) and 28th (1).

PERTH, WESTERN AUSTRALIA.

Seismological Station - Perth Observatory.

April - June, 1954.



Inst.	No.	Date	Phase	Time. G.M.T.			Amp. cms.	Remarks.
				h.	m.	s.		
April, 1954.								
27	21	April 8	e	17	32	25	0.06	Easter Is. region
	22	" 11	1	3	18	7	0.12	Solomon Is.
			1	-	21	23	0.15	
			1	-	23	40	0.11	
			1	-	26	50	0.18	
			M	-	31	30	0.50	
	23	" 11	1	10	55	50	0.08	Arabian Sea
	24	" 12	e	1	1	45	0.10	
			1	-	4	18	0.15	
	25	" 16	e	20	35	8	0.05	Aleutian Is.
			1	-	36	9	0.10	
			1	-	42	44	0.05	
			1	-	43	13	0.06	
			e	-	57	15	0.05	
	26	" 27	18	21	33	25	0.21	South of
			LQ	-	35	28	0.10	Tasmania
			M	-	38	35	0.75	
	27	" 29	e	12	6	56	0.05	Gulf of
			1	-	16	10	0.07	California
			e	-	31	15	0.05	
			1	-	42	5	0.07	
			1	-	51	57	0.10	
			M	-	55	30	0.15	

Tremors and undecipherable disturbances were recorded on April 2nd (1) Kermadec Is., 17th (1), and 30th (1).

Inst.	No.	Date	Phase	Time			Amp. cms.	Remarks
				h.	m.	s.		

May, 1954.

28	May, 1	i	0	37	20	0.05	Fiji Is.
		i	-	45	58	0.05	
		M	-	47	12	0.15	
29	" 2	i	18	8	48	0.08	Off North West coast of Sumatra.
		i	-	14	1	0.11	
30	" 8	i	20	22	25	0.06	Banda Sea
		S	-	26	25	0.10	
		i	-	27	33	0.10	
		i	-	30	38	0.10	
		M	-	37	50	0.17	
31	" 14	1P	22	50	10	0.08	Off coast of Honshu, Japan. (Depth 250 Km).
		i	-	51	15	0.10	
		i	-	53	16	0.11	
		1S	-	59	10	0.31	
		i	0	59	58	0.31	
		i	23	5	5	0.13	
32	" 19	i	23	24	55	0.07	
		i	-	28	33	0.06	
		i	-	31	50	0.20	
		M	-	33	43	0.21	
33	" 31	i	15	53	55	0.35	Flores Sea
		PP	-	54	45	0.47	
		1S	-	58	18	1.00	
		M	16	0	55	0.95	

Tremors and undecipherable disturbances were recorded
on May 10th (1), 20th (1), and 23rd (1).

Inst.	No.	Date	Phase	Time G.M.T.			Amps. cms.	Remarks.
				h.	m.	s.		

June, 1954.

34	June, 6	1P	16	57	25	0.06	Western New
		1	-	57	48	0.10	Guinea
		PP	-	58	23	0.10	
		1	-	59	15	0.12	
		1	-	-	35	0.13	
		1S	17	3	0	0.26	
		1	-	4	10	0.35	
		1	-	5	3	0.45	
		LR	-	6	40	0.90	
		M	-	9	10	6.25	

35	" 7	1	10	29	4	0.36	New Britain
		1	-	31	45	0.20	Region
		1	-	32	20	0.35	
		1	-	33	38	0.20	
		1	-	34	40	0.31	
		1	-	35	33 4	0.35	
		1	-	38	18	0.40	
		M	-	42	30	0.80	

36	" 21	1	2	17	35	0.20	
		1	-	18	12	0.18	
		1	-	19	45	0.25	
		1	-	21	20	0.22	
		1	-	21	35	0.30	

Tremors and undecipherable disturbances were recorded on June 4th (2), 9th (1), and 12th (1).

PERTH, WESTERN AUSTRALIA.

Seismologic Station, Perth Observatory.

July - September 1954



st.	No.	Date	Phase	Time G.M.T.			Amp.	Remarks
				h.	m.	s.		
7	37	July 2	iP	2	53	35	.10	South Eastern
			PcP	-	54	58	.06	
			PP	-	55	28	.10	
			PPP	-	56	12	.08	Luzon
			iS	3	0	10	.15	
			i	-	3	58	.13	
			i	-	6	15	.20	
			M	-	10	10	.31	
			M	-	10	55	.32	
	38	- 3	P	22	37	0	.15	Near south-
			i	-	-	45	.35	west coast of
			PP	-	-	53	.25	Java
			i	-	38	45	.30	
			S	-	41	49	1.20	
			i	-	42	5	1.20	
			i	-	43	50	1.25	
			i	-	44	28	.90	
			M	-	44	31	1.70	
			M	-	45	8	1.60	
	39	- 6	iS	4	14	30	.06	Bismark Sea
			i	-	17	28	.05	
			LQ	-	23	46	.40	
	40	- 6	i	8	20	10	.04	Kurile Islands
			S	-	27	49	.14	
	41	- 13	P	8	12	45	.10	New Britain
			iS	-	19	10	.12	Region
			i	-	22	20	.15	
			i	-	-	35	.25	
			i	-	-	59	.26	
			i	-	24	58	.20	
			i	-	29	32	.45	
			M	-	32	0	.60	
			M	-	34	40	.60	
	42	- 31	i	1	39	0	.11	Ningsia
			i	-	42	58	.15	Province - China

Tremors and undecipherable disturbances were recorded on :-

July 6th (1), 9th (1), 26th (1) and 30th (1)

	43	Aug. 1	i	3	35	33	.06	Northern New
			i	-	39	35	.05	Guinea
			LQ	-	42	55	.30	
			LR	-	45	28	.25	
	44	- 5	i	23	57	58	.15	
		6	i	0	1	2	.16	
			i	-	2	38	.12	
			i	-	3	50	.10	
			i	-	4	58	.13	
			M	-	7	13	.35	
			M	-	9	15	.40	

AUGUST (Contd.)

Inst.	No.	Date	Phase	Time G.M.T.	Amp.	Remarks
				h. m. s.	Cms.	
	45	Aug. 14	i	23 10 10	.16	Ceram Sea
			i	- 13 35	.06	
			i	- 15 53	.10	
			e	- 16 39	.10	
	46	" 18	P ?	4 51 28	.12	Tonga Island
			i	- 52 40	.10	
			i	- 53 20	.15	
			i	- 54 40	.11	
			i	- 56 45	.12	
			i	5 1 49	.20	
			i	- 2 15	.25	
			i	- 5 0	.15	
			i	- 7 59	.20	
			M	- 12 54	.25	
			M	- 16 40	.30	

Tremors and undecipherable disturbances were recorded on:-
August 9th (1), 10th (1), 13th (1), 26th (2) and 27th (1).

September.						
	47	Sept. 2	i	19 7 40	.10	Santa Cruz Islands
			i	- 11 5	.05	
			i	- 12 23	.10	
			i	- 15 25	.06	
			M	- 17 30	.15	
			M	- 18 30	.16	
	48	- 4	iP	3 35 42	.14	Northern New Guinea.
			i	- 36 28	.10	
			i	- 38 0	.10	
			iS	- 41 20	.20	
			i	- 41 49	.20	
			i	- 43 15	.35	
			i	- 44 29	.40	
			LR	- 45 35	1.10	
			LQ	- 48 55	2.60	
			M	- 49 5	2.90	
			M	- 51 20	2.80	
	49	- 5	iP	7 55 15	.05	Fiji Islands region.
			S	8 3 0	.10	
			i	- 5 30	.11	
			e	- 7 50	.05	
			i	- 10 28	.11	
			M	- 13 22	.40	
	50	- 9	iP	1 26 42		Orleansville (Times taken from Lamont Observatory vertical seismograph)
			i	- 27 53		
			i	- 31 31		
			i	- 38 38		
			i	- 41 16		
			i	- 44 10		
			i	- 46 56		
			i	2 4 0		
			i	- 10 44		
			M	- 24 5		

September (Continued)

Inst.	No.	Date	Phase	Time G.M.T.			Amp. cms.	Remarks
				h.	m.	s.		
	51	Sept. 13	iP	2	20	7	.05	Tonga Island region
			i	-	24	58	.07	
			i	-	28	10	.10	
			i	-	29	29	.25	
			i	-	31	5	.11	
			i	-	32	8	.11	
			i	-	34	25	.06	
			i	-	38	36	.10	
			M	-	41	50	.20	
			M	-	42	25	.20	
	52	- 15	iS	18	12	58	.25	Eastern Group Islands
			i	-	14	30	.17	
			i	-	21	33	.11	
			i	-	24	8	.09	
	53	- 17	i	1	28	27	.08	Deep Seated
			i	-	31	15	.15	
			i	-	31	45	.10	
	54	- 17	e	11	13	13	.05	
			i	-	21	5	.60	
			i	-	22	40	.65	
			i	-	24	25	.23	
			i	-	26	15	.20	
			i	-	27	35	.23	
			i	-	31	10	.15	
			i	-	32	43	.25	
			M	-	35	40	.55	
			M	-	39	30	.55	
	55	- 19	iP	16	13	35	.10	
			i	-	14	18	.15	
			i	-	14	40	.17	
			i	-	15	25	.26	
			i	-	16	18	.20	
			M	-	16	48	.25	
	56	- 20	i	0	52	50	.06	
			i	-	57	14	.13	
			i	-	59	20	.20	
			M	1	0	48	.31	
			i	-	3	22	.17	
	57	- 21	e	3	49	21	.05	
			i	-	50	10	.20	
			i	-	52	5	.32	
	58	- 21	i	6	10	32	.09	
			i	-	12	8	.23	
			i	-	12	58	.15	
			i	-	14	58	.15	
	59	- 25	i	11	24	28	.11	
			i	-	25	45	.10	
			i	-	26	30	.11	
			i	-	30	25	.17	

Tremours and undecipherable disturbances were recorded on September 3rd (1), 4th (1), 6th (2), 28th (1) and 30th (1).

PERTH, WESTERN AUSTRALIA
SEISMOLOGICAL STATION - PERTH OBSERVATORY

Seismological Bulletin for October - December 1954



<u>Instrument</u>	<u>Symbol</u>	<u>Component</u>
Columbia-Lamont long	A	Vertical
period seismograph	M	North - South
Milne - Shaw no. 27		

OCTOBER

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms.	Remarks
				h.	m.	s.		
60	Oct. 1	A	iP	3	4	37		Santa Cruz Is.
		M	iS	-	11	55	.35	
		A	i	-	12	9		
		M	i	-	14	30	.10	
		M	i	-	16	18	.15	
		M	i	-	20	57	.40	
		M	Maxs	-	21	46	4.00	
		M	to	-	25	5		
61	Oct. 3	M	e	2	56	50	.05	Santa Cruz Is.
		M	e	-	58	50	.05	
		M	iS	3	3	47	.70	
		M	LQ	-	8	12	.70	
		M	LR	-	10	.55	.35	
		M	Maxs	-	12	48	4.10	
		M	to	-	17	50		
62	Oct. 3	M	i	23	28	15	.05	Molucca Is.
		M	i	-	33	18	.06	
		M	i	-	36	0	.10	
63	Oct. 4	M	i	9	53	58	.06	Santa Cruz Is.
		M	i	-	58	28	.11	
		M	M	-	59	50	.30	
		M	M	10	1	58	.35	
64	Oct. 7	A	i	19	32	12		Off east coast of New Guinea.
		A	i	-	34	52		
		M	i	-	36	55	.07	
		M	i	-	40	13	.13	
		M	M	-	41	50	.41	
		M	LR	-	43	18	.40	
		M	M	-	44	0	.45	
65.	Oct. 14	A	iP	1	40	48		Banda Sea
		M	iP	-	40	50	.05	
		M	i	-	41	25	.06	
		A	iS	-	45	37		
		M	S	-	45	23	.10	
		M	i	-	45	50	.30	
		M	i	-	47	55	.40	
		M	M	-	49	20	.65	
		M	M	-	51	43	.45	
66.	Oct. 21	A	iP	0	16	20		
		M	e	-	16	22	.05	
		M	i	-	23	0	.35	
		M	M	-	23	20	1.00	

No.	Date	Inst.	Phase	Time G.M.T.			Amp. cms.	Remarks
				h.	m.	s.		
67.	Oct. 31	M	e	23	35	30	.05	New Hebrides Is.
		M	e	-	36	28	.06	
		M	LQ	-	40	49	.10	
		M	M	-	42	30	.25	

Tremors and undecipherable disturbances were recorded on:-
Oct. 3rd (1), 13th (1), 25th (1), and 29th (1).

				NOVEMBER				
68.	Nov. 2	M	iP	8	29	29	.15	Sambawa Island Region
		A	iP	-	29	30		
		M	i	-	29	48	1.00	
		M	S	-	33	51	1.80	
		A	iS	-	33	52		
		M	M	-	42	2	3.30	
		M	M	-	46	52	2.85	
		M	M	-	51	2	2.75	
		M	M	-	55	22	2.95	
69.	Nov. 3	A	e	9	6	12		
		A	i	-	9	50		
		A	i	-	13	27		
		A	i	-	14	12		
70.	Nov. 18	A	i	16	56	47		
		A	i	-	59	55		
		M	i	17	0	15	.05	
		A	i	-	3	40		
		M	i	-	3	44	.12	
71.	Nov. 21	A	i	7	47	15		
		A	i	-	53	48		
		A	i	8	1	58		
		A	i	-	4	40		
72.	Nov. 25	A	iP	11	38	0		California
		A	i	-	38	25		
		A	i	-	39	17		
		A	i	-	48	45		
		A	i	-	55	50		
		A	i	-	59	40		
		A	i	12	4	3		
		A	i	-	5	17		
		A	i	-	13	57		
		A	i	-	18	12		
		A	M	-	21	30		
73.	Nov. 25	A	i	21	42	31		Fiji Islands Region
		A	i	-	44	33		
		A	i	-	45	38		
		A	i	-	49	48		
		A	i	-	57	7		
		A	i	22	4	35		
		A	M	-	7	28		
74.	Nov. 27	M	i	8	35	40		Felt 12 miles east of Perth.

Tremors and undecipherable disturbances were recorded on:-
November:- 2nd(1), 3rd (1), 7th (1), 9th (1), 15th (1),
21st(1), and 24th (2).

DECEMBER

No.	Date	Inst.	Phase	Time G.M.T.			Amp cms.	Remarks
				h.	m.	s.		
75.	Dec. 4th	A	iP	7	8	40		New Britain region
		M	eP	-	8	50		
		M	e	-	10	28		
		A	i	-	13	3		
		M	iS	-	15	10	.10	
		A	i	-	15	16		
		A	i	-	18	25		
		M	SS	-	18	40	.12	
		M	LQ	-	24	48.	.15	
		M	M	-	25	33	.50	
		M	M	-	26	20	.45	
		M	F	8	31			
76.	Dec. 6th	M	eP	2	59	45		New Ireland region
		A	e	3	0	20		
		M	S	-	6	25	.05	
		M	LQ	-	9	36	.09	
		A	i	-	9	39		
		M	M	-	16	0	.20	
77.	Dec. 7th	A	iP	14	55	32		
		A	i	-	57	18		
78.	Dec. 16th	A	iP	11	26	47		Nevada
		A	i	-	29	25		
		M	e	-	30	20	.07	
		M	i	-	33	35	.07	
		A	i	-	40	18		
		M	i	-	47	33	.14	
		M	i	-	57	12	.14	
		M	i	12	4	3	.12	
		M	M	-	6	9	.25	
		M	M	-	7	25	.27	
		M	F	14	1			
79.	Dec. 21st	A	iP	12	4	56		Bismark Sea
		A	i	-	6	33		
		M	S	-	11	5	.14	
		M	i	-	12	13	.10	
		M	i	-	13	38	.08	
		A	i	-	14	23		
		M	i	-	15	7	.10	
		M	i	-	15	48	.15	
		M	LQ	-	19	35	.85	
		M	M	-	20	0	1.30	
		M	i	-	21	58	1.10	
		M	LR	-	22	50	1.15	
		M	M	-	22	58	1.05	
80.	Dec. 21st	A	iP	20	18	32		California
		M	e	-	19	22	.07	
		A	i	-	30	8		
		M	e	-	36	13	.05	
		A	i	-	52	8		
		M	e	21	8	0	.05	
		M	e	-	18	5	.06	
81.	Dec. 28th	A	i	1	8	50		New Britain
		A	iP	-	9	0		
		M	i	-	9	20	.06	
		M	i	-	10	50	.06	
		A	i	-	10	50		
		M	i	-	14	37	.07	
		M	i	-	15	20	.14	
		M	i	-	18	22	.14	
		A	iS	-	18	38		



No.	Date	Inst.	Phase	Time G.M.T.			Amp cms	Remarks
				h.	m.	s.		
	Dec. 28th (cont.)	M	i	1	22	5	.25	
		M	i	-	24	8	.24	
		M	M	-	25	40	1.15	
		M	M	-	34	40	.75	
82.	Dec. 28th	A	e	7	34	32		
		M	e	-	34	41	.06	
		M	e	-	39	25	.06	
		M	i	-	40	30	.10	
		A	i	-	40	55		
83.	Dec. 29th	A	iP	11	58	53		
		M	i	12	0	35	.10	
		A	i	-	3	6		
		A	i	-	4	27		
		M	i	-	5	10	.15	
		M	M	-	6	30	.25	

Tremors and undecipherable disturbances were recorded on:-
 December 4th (1), 7th (3), 11th (1), 21st (1), 22nd (2),
 24th (2), and 27th (2).

