

JAN 1964

**to March
1964**



SEISMOLOGICAL BULLETIN

THE UNIVERSITY OF ADELAIDE

DEPARTMENT OF PHYSICS

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

ADELAIDE (MOUNT BONYTHON)

Latitude: $34^{\circ} 58' 01''$

Longitude: $138^{\circ} 42' 32''$

Height above mean sea level: 2150 ft., 655.3 metres

Foundation: Sandstone

Instruments: World-wide Standard seismograph system

Benioff short period seismometers

$T_o = 1.0$ secs. $T_g = 0.75$ secs.

Sprengnether long period seismometers

$T_o = 30$ secs. $T_g = 100$ secs.

Nominal magnifications: S.P. 25,000

L.P. 750

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR JANUARY 1964

Date	Phase		Time	Δ°	h (kms)	Mag.	Epicentre
1	eP	NEZ	12 27 50	29.2	96	5.7	6.8S 129.8E
	i	NEZ	28 22				
	i	NEZ	33 20				
	i	E	36 00				
	i	Z	36 48				
	i	E	37 20				
	i	NE	37 40				
1	eP	NZ	16 02 37	88.6	33	5.4	55.9S 27.1W
1	eP	NEZ	17 38 55	80.8	45	5.6	45.4N 151.9E
	iS	NEZ	49 00				
	eL	E	18 00.1				
	eL	NZ	01.0				
1	eP	NEZ	20 08 55	31.8	33	6.3	3.2S 139.7E
	i	NEZ	09 41				
	i	NEZ	15 00				
	i	NEZ	19 31				
2	eL	E	18 05.5				
	eL	NZ	09.3				
2	eP	NEZ	18 22 44	32.8	33	4.3	3.1S 130.0E
2	iP	NEZ	19 21 44	31.3	33	5.5	8.4S 157.1E
	iS	NE	26 48				
	eL	E	29.0				
	eL	NZ	30.6				
3	eP	NEZ	01 05 49	31.4	61	4.8	8.5S 157.4E
	eL	NEZ	15.5				
3	eP	NEZ	06 20 31	29.3	33		6.9S 128.7E
	i	NEZ	21 01				
	i	NEZ	26 14				
3	eP	NEZ	07 20 42	29.2	157		7.1S 129.0E
	i	NEZ	21 16				
	i	NEZ	26 31				
3	iP	NEZ	21 31 50	40.4	520	5.3	20.4S 178.2W
No short period EW record after 2339 GMT on 3rd Jan-5th Globe blown							
4	e	E	03 33 00				
	e	N	34 00				
	e	Z	35 00				
4	eP	Z	03 47 55	32.8	33	4.3	3.4S 149.2E
	eL	NEZ	55.0				
4	eP	NZ	10 48 52	58.6	33	4.7	21.6N 121.8E
4	iP	NZ	17 46 32	31.1	117	5.2	5.5S 150.0E
4	iP	NZ	19 58 39				

2.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
4	iP Z	22 54 19	47.1	33		1.9S 102.3E
5	iP Z	03 12 25	39.7	650	4.6	20.6S 179.0W
5	eP Z	09 08 00	67.2	33	4.8	32.5N 141.7E
5	eP Z	10 19 25	39.8	31	5.1	26.6 175.7W
	ipP Z	19 37				
	e NEZ	29 00				
	eL NEZ	31.2				
5	eP NZ	16 31 35	28.4	33		61.4S 154.9E
	i NEZ	36 40				
	i NE	38 00				
	i NZ	39 28				
	eT Z	17 00 00				
5	ePKP Z	18 52 44	127	150	5.2	8.0S 74.5W
	i Z	53 25				
6	iP NEZ	06 04 58	62.7	110	5.7	27.2N 127.3E
	i Z	05 23				
	eL NZ	24.8				
6	eP NEZ	15 34 04				Regional?
	i NEZ	36 02				
	i(S) NEZ	37 16				
6	eP NEZ	23 58 06	86.2	33	5.6	50.9N 157.3E
	ipP Z	58 20				
	iS NEZ	00 08 40				
	iSS NEZ	14 28				
7	eP NEZ	02 13 19	22.7	33		56.8S 147.7E
	iS NEZ	17 28				
7	iP Z	02 22 02	41	593	5.0	18.0S 178.0W
7	eP Z	05 02 14	74.6	46	5.0	29.8N 98.7E
7	eP NEZ	05 23 53	24.9	33		58.8S 149.4E
	iS NE	28 16				
	iSS NE	29 12				
	i Z	30 00				
7	iP NEZ	10 47 05	31.8	47	5.0	3.0S 139.0E
	i NZ	47 47				
	iPP E	48 02				
	e NEZ	56 00				
7	eP NEZ	11 35 17				
7	eP Z	12 55 44				
	eL NEZ	13 19.5				
7	eP NEZ	21 00 07	44.6	89	5.0	4.6S 103.3E
No short period vertical record for 8th Jan - light not switched on						
"	"	"	N.S.	"	-	paper placed on inside out
8	eP E	04 30 02	30.2	72	5.1	5.0S 144.3E

3.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
8	eP i	E E	16 08 23 14 05	29.1	108	6.9S 129.4E
8	eP i(S)	E NEZ	22 37 43 43 40	36.2	112	5.3 3.8S 119.3E
9	iP iS iScS iSS iSSS eL eL	NEZ NEZ NEZ NEZ E Z NE	18 44 05 54 16 54 40 59 24 19 02 40 03.5 05.5	80.8	40	5.6 45.5N 150.9E
9	eL eL	N EZ	22 01.0 02.0			
10	eP iS iSS iSSS eL eL	NEZ NEZ NEZ N E NZ	05 02 42 12 24 17 20 20 52 22.5 23.0	76.7	33	5.5 42.0N 142.6E
10	eP	NEZ	11 14 31.5	33	126	7.1S 119.1E
10	eP eL	Z NEZ	17 09 34 15.0	80.6	50	5.4 45.4N 150.0E
10	eP	NEZ	19 29 24	39.1	33	2.8N 127.0E
10	iP i e	NEZ NEZ NZ	21 58 39 22 04 23 11 00	29.1	117	5.5 6.9S 129.4E
11	eP	NEZ	08 36 07			
11	iP eL	NEZ NEZ	09 31 05 $\frac{1}{2}$ 42.0	34.8	33	4.9 14.1S 169.6E
11	eP eL	NEZ EZ	10 31 56 48.0	49.2	33	11.4S 90.9E
11	iP i i	NEZ NEZ NEZ	22 08 03 $\frac{1}{2}$ 08 30 13 45	29.7	70	5.5 8.6S 123.4E
11	iP	NEZ	23 31 01			
12	eP e eL	Z NEZ NEZ	06 17 16 27 04 46.0			
12	iP i(S)	NEZ NEZ	11 19 12 23 58	30.2	229	5.6 5.4S 146.8E
12	iP iPP	NEZ Z	12 49 09 52 39	88.7	33	5.5 56.0S 27.6W
12	iP i i	NEZ NEZ NEZ	14 34 33 44 37 47 20	30.4	22	5.4 4.4S 137.3E

4.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
13	iP eL eL	NEZ N EZ	18 55 52 19 04.0 06.0	34.1	59	5.2	11.6S 166.2E
14	eP eL	NEZ NEZ	04 25 08 36.0	38.5	89	4.7	28.8S 176.2W
14	iP	NZ	08 32 30	45.4	344	4.9	3.1S 104.5E
14	iP iS iPcS eL eL	NEZ NE NEZ E NZ	15 44 22 49 16 51 30 52.5 53.5	31.6	169	5.6	5.2S 150.8E
15	eP	NEZ	05 36 38				Seismic event?
15	eP	NEZ	09 07 28				
15	eP	NEZ	18 53 21.5	36.8	211	4.7	28.4S 178.4W
15	iP iS iSS eL	NEZ NEZ NZ NEZ	21 46 30 54 58 59 24 22 02.3	63.6	70	6.4	29.1N 140.8E
15	iP	NEZ	23 11 51	40.4	599	4.3	17.4S 179.7E
No short period records for 16th Jan.							
No S.P.Z record after 0314 G.M.T. on 17th Jan.							
17	eP iS eL	NEZ NEZ NEZ	03 00 35 05 40 08.8	30.5	33		21.6S 169.9E
18	eL	NZ	07 51.0				
18	iP iS i eL	NEZ NEZ NZ NEZ	12 14 48 $\frac{1}{2}$ 23 00 24 04 29.4	60.2	33	6.1	23.1N 120.5E
18	eP	NEZ	16 51 51	29.1	84		6.9S 129.3E
18	eP eL	NEZ NEZ	18 51 34 19 03.0	39.5	33	4.6	25.1S 176.9W
18	iPKP	NEZ	22 56 01	150.5	95	5.3	18.8N 69.4W
19	eP eL	NEZ NEZ	07 06 24 16.0	31.2	32	5.7	9.2S 158.2E
19	eP	NEZ	08 01 13	29.1	33	4.7	5.9S 134.1E
19	iP	NZ	23 30 10	42.5	48	4.5	18.3S 176.9W
20	iP	NEZ	04 55 02	44.5	110	4.9	8.2N 126.2E

5.

Date	Phase		Time	Δ°	h (kms)	Mag.	Epicentre
20	eP i(S)	NEZ NEZ	12 48 44 54 18				
20	eP i i	NEZ NEZ NEZ	12 59 43.5 59 52 13 00 42				Regional
20	eP	NEZ	13 53 20				
20	iP i iS i eL eL	NEZ EZ NEZ NEZ N EZ	17 14 42 14 45 19 32 21 07 22.3 23.6	30.8	141	6.1	20.7S 169.9E
20	eP eL	NEZ NEZ	23 13 30 23.0	36.7	44	5.1	30.0S 177.9W
21	eP i(S)	NEZ NEZ	21 51 07 51 50				Local
21	iP eL	NEZ NEZ	22 26 42 37.0	47.1	53	5.2	10.6N 125.3E
22	eL	Z	02 59.0				
22	iP i i	NEZ NEZ NEZ	09 18 16 25 58 28 15	30.7	71	5.1	4.2S 136.2E
22	iP i eL eL	NEZ NEZ NE Z	16 10 01 10 15 31.5 33.0	71.3	88	6.1	22.4N 93.6E
22	eP eL eL	NZ NE Z	17 48 01 58.0 18 01.0	31.1	33		4.0S 133.9E
22	iP	NEZ	18 56 25	43.8	144	4.2	7.6N 126.9E
23	eP	NEZ	00 06 14	32.4	33	6.0	13.7S 165.9E
23	eP	NEZ	16 17 25	48.8	47	4.5	11.5N 122.5E
24	iP	NEZ	17 28 24	73.8	542	5.3	38.7 129.4E
24	iP	NEZ	22 51 35	40.9	94	5.5	7.1S 106.0E
25	iP	NEZ	07 11 04	38.3	600	5.1	22.6S 179.7W
26	eP iS	NEZ NEZ	07 20 30 21 00				Local
26	iPKP eL	NEZ NEZ	09 28 16 39.0	121.4	116	6.1	16.3S 71.7W
28	eP eL	NEZ NEZ	05 49 30 54.6	29.9	33	5.1	6.3S 148.7E
28	iP i i i	NEZ Z NE NZ	14 22 16 23 07 32 30 34 25	95	207	6.1	36.5N 70.9E

6.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
28	iP NEZ	16 31 47	30.7	407	5.1	7.0S 124.5E
29	iP NEZ i NEZ	08 54 50 09 46	39.7	133	4.9	3.0N 125.7E
29	eP NEZ	13 13 48	32.8	33	4.4	2.2S 139.5E
29	eP NEZ	15 56 08				
29	eP NEZ	18 43 27.5	28.9	33		6.8S 130.7E
30	eP NEZ	06 52 33				
30	eP NZ	09 14 48	48.9	33	4.2	11.4N 121.6E
30	iP NEZ	12 48 18.2	51.7	133	5.4	1.7N 99.6E
31	eP NZ	05 16 42				

Seismograms read by A. Slade

D.J. Sutton,
Director.

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR FEBRUARY 1964

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
2	eP	NEZ	09 05 00	60.8	28	5.0	24.2N 122.6E
2	eP	NEZ	16 01 48				
	i	NEZ	02 43				
3	eP	NEZ	05 59 47				Regional?
	i	NEZ	06 00 23				
3	eP	EZ	20 12 20	38	509	4.4	23.2S 179.8W
4	eP	NEZ	11 37 53				
4	eP	NEZ	19 56 20.5				Local
	iS	NEZ	56 34.8				
4	iP	NEZ	22 59 56	42.3	33	5.0	5.6S 105.5E
5	eP	NEZ	11 41 30	70.1	46	5.4	36.5N 141.0E
	iS	NE	50 44				
	i	E	52 00				
	iSS	NE	55 00				
	eL	NE	58.5				
5	iP	NZ	12 55 46.1/2	41.5	475	4.0	16.6S 179.6W
5	eP	Z	15 33 27	59.7	45	4.2	23.8N 126.4E
5	eP	NEZ	16 21 19	31.1	110	4.5	3.8S 141.3E
	i	NEZ	32 00				
	i	NEZ	38 26				
6	iP	NEZ	02 17 31.1/2				
6	iP	NEZ	08 42 50				
6	e	Z	13 26 00				
	i	NE	32 14				
	i	NE	33 36				
	i	NEZ	35 16				
6	eP	NEZ	15 25 39	29.3	43	4.9	10.5S 120.7E
	i	NEZ	26 04				
	i	NEZ	31 17				
6	iP	NEZ	19 19 02	59.9	33	4.8	24.0N 126.4E
	eL	NEZ	44.0				
6	eP	NEZ	20 39 48	35.4	33	5.0	33.5S 178.4W
	eL	NEZ	52.3				
7	eP	Z	08 44 07	59.7	45	4.8	23.8N 126.4E
7	eP	Z	09 40 48	32.7	159	4.4	14.8S 167.5E
7	eP	Z	13 10 29	74.5	45	5.4	39.8N 142.8E
	eL	Z	36.0				
7	eP	NEZ	22 48 17				

2.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
8	eP iS	NEZ NEZ	05 38 04 38 07 $\frac{1}{2}$			Local : Felt	
8	iP	NEZ	10 04 15	45.6	57	5.7	9.2N 126.2E
8	eP	Z	11 30 53	92.7	60	5.4	52.3N 175.6E
8	iP	NEZ	18 19 16 $\frac{1}{2}$				
8	iP	NEZ	19 05 22	63.6	33		28.4S 62.6E
9	iP	NEZ	02 07 15	41.8	480	5.3	16.5S 179.2W
9	eP	NEZ	02 36 04				
9	eP ipP	NEZ Z	16 17 29 17 40	54.8	33	5.1	3.1N 96.5E
10	iP	NEZ	00 34 26	42.9	33	5.4	6.3N 125.8E
10	iP eL	NEZ NZ	17 35 55 52.8	42.8	33	5.5	6.1S 104.1E
11	iP	NEZ	12 56 41	36.6	33	5.3	0.2S 126.1E
11	eP eL eL	Z N EZ	18 29 29.5 41.0 45.5	46.9	33	5.2	15.9S 173.1W
11	eP	NEZ	21 36 11.5	32.1	95	5.0	10.2S 161.3E
12	eP	NEZ	16 02 10				
12	eP ipP iS iSS i eL eL	NEZ NEZ NEZ N NEZ E NZ	20 38 18.8 38 34 43 30 44 30 45 30 46.0 47.5	32.1	33	5.4	3.5S 146.6E
12	eP e eL eL	NEZ NEZ N EZ	22 42 24 53 00 54.2 56.0	46.6	33	5.0	15.3S 174.4W
13	eP eL	NEZ EZ	03 32 12 41.0	32.1	33	5.4	3.5S 146.6E
13	eL	EZ	10 53.5				
No long period N.S. record for 14th and 15th Feb.							
14	eP	NEZ	10 03 39				
14	eP ipP iS eL eL	NEZ Z EZ Z E	16 36 09 36 22 41 20 43.5 43.8	32.1	55	6.0	5.1S 151.7E
15	eP	NEZ	14 07 22	41.6	332	5.4	18.7S 177.8W

3.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
15	eP NEZ	16 39 35	32.6	71	5.5	4.8S 152.4E
16	eP iS NEZ NEZ	02 40 49 41 18				Local
16	iP eL NEZ NEZ	21 40 53 48.5	31.7	49	5.6	5.6S 152.0E
17	eP NEZ	06 00 49	60.2	33	4.9	23.1N 120.6E
17	iP NEZ	16 49 34	37.3	547	4.9	22.6S 179.3E
18	eP eL NEZ NEZ	01 37 34 48.0	31.3	77	4.8	16.2S 166.4E
18	eP NEZ	03 50 09				
18	eP i eL NEZ NEZ NZ	04 50 42 54 25 05 14.0	52.5	289	4.8	15.5S 175.0W
18	iP eL NEZ NEZ	10 41 41 50.5	32	73	4.9	10.3S 161.2E
19	eP eL eL NEZ NE Z	09 22 43 34.6 36.0	38.2	48	5.0	9.6S 107.3E
No records between 2208 and 0907 G.M.T. - Power failure						
20	iP NEZ	09 13 56	41.4	604	3.8	17.7S 178.8W
20	eP ipP NEZ Z	10 05 57 06 09	79.8	50	5.2	44.6N 150.0E
20	iP NEZ	18 29 15	41.7	585	3.9	17.2S 179.0W
21	iP NEZ	14 00 52	41.4	33	5.2	6.7S 105.5E
22	iP NEZ	08 57 47	37.2	33	5.1	30.1S 177.3W
22	iP NEZ	21 26 34	60.5	48	5.2	24.1N 123.2E
24	iP NZ	05 08 58.5	37.3	290	4.4	24.8S 179.7W
25	eP eL NEZ Z	00 46 02 01 08.5	73.4	33	6.7	44.7S 37.5E
25	eP eL NEZ NEZ	02 35 22 47.5	36.2	81		9.1S 110.7E
25	eP eS Lr NEZ NE Z	03 13 38 18 00 19.6	24.4	33		49.7S 112.1E
25	iP iS NEZ NEZ	23 30 37 36 10	36.7	51	4.8	30.1S 177.9W
26	eP iS iSS i NEZ E E NZ	08 56 17 09 00 14 00 52 01 24	22	33	4.8	56.0S 148.4E

4.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
26	eP NEZ	18 22 29	40.9	132	5.3	4.4N 126.2E
26	iP NEZ	21 25 09.5	43.4	33	5.0	20.7S 174.4W
	eL NEZ	38.8				
26	iP NEZ	23 17 45	34.2	64	4.7	11.7S 166.3E
27	eP NEZ	07 54 32				
27	eP NEZ	13 23 15	42.4	92		5.3N 123.7E
27	iP NEZ	15 21 53	70.3	102	6.4	21.7N 94.4E
	ipP Z	22 15				
	iS NEZ	30 58				
	eL NEZ	31.7				
28	eP NEZ	03 12 31				
28	iP NEZ	15 17 24	37.3	590	4.3	24.4S 179.9E
28	iP NEZ	17 58 01	67.5	43	5.3	18.2N 94.3E
	eL NEZ	18 21.0				
28	eP NEZ	20 54 40.5	48.4	33	5.2	13.3N 144.7E
29	eL Z	15 58.0				
29	eP NEZ	20 22 03.5	46	33	5.1	18.2S 172.8W
	eL Z	36.0				
29	iP NEZ	23 56 32	35.5	73	5.8	8.5S 112.7E
	i(PP) NEZ	57 41				
	iS NEZ	00 01 56				
	i NEZ	03 51				
	iSS EZ	04 20				
	eL NEZ	06.4				

Seismograms read by A. Slade

 D.J. Sutton,
Director.

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR MARCH 1964

Date	Phase	Time	Δ ^o	h (kms)	Mag.	Epicentre	
1	eP eL	NZ NEZ	02 46 34 57.7	31.8	100	4.8	7.1S 155.4E
1	eP i(S)	NEZ	06 44 23 44 40				Local
1	iP	NEZ	13 03 05	45.2	31		7.8N 122.5E
2	eP iSS iSSS Lq Lr	NEZ NE NEZ N NEZ	19 40 40 50 26 51 22 53 2 54.0	44	105	5.3	18.9S 174.8W
3	eP	NEZ	15 19 22	36.6	33	4.3	30.4S 177.9W
3	eL	NZ	16 16.2				
3	iP iS	NEZ NEZ	21 47 12.5 53 13	41.5	77	4.9	4.8N 125.5E
No S.P. records for 4th - Lights not switched on							
5	eP	NEZ	00 09 55	47.9	40	4.7	11.5N 126.0E
5	eP eL	Z NEZ	06 07 14 16.3	33.6	40	5.5	45.2S 96.4E
5	eP eL	NEZ NEZ	10 12 00 21.1	31.8	38	5.1	11.2S 162.2E
5	eP eL	Z EZ	20 40 23 54.6	46.8	33	4.7	16.4S 173.0W
6	eP iS	NEZ NEZ	00 48 15 48 27				Local Felt
6	iP i eL	NEZ Z NEZ	19 03 39 06 26.5 09.0	32.2	74	5.8	6.1S 154.4E
7	iP	NEZ	07 34 28	54.6	82	5.3	3.5N 97.1E
7	eP eL	Z NEZ	21 12 29 26.0	32	62	4.8	5.6S 152.7E
7	eP	NEZ	23 20 23	41	534	4.5	19.9S 177.9W
8	iP i eL	NEZ NEZ NEZ	01 41 05 45 40 47.2	24.5	33	5.6	44.0S 168.4E
8	eP	NEZ	01 58 34				
8	eP eL eL	EZ E NZ	11 58 49 12 03.5 04.5	12.6	33		46.0S 146.8E
9	eP	NEZ	00 38 17				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
10	iP iS eL	NEZ Z NEZ 14 07 05 12 53.5 15.1	38.2	117	5.6	1.9N 127.5E
10	iP	NEZ 21 52 09.5	30.3	514	5.2	6.9S 125.6E
10	iP e	NEZ NEZ 23 16 15.5 22 05	29.3	141	5.1	6.8S, 129.4E
10	eP	NEZ 23 33 18				
11	iP iPP eL	NEZ NEZ NEZ 01 13 16 14 44 21.3	38.2	58	5.6	1.8N 127.1E
12	iP	Z 04 05 21.5	60.3	33	5.2	23.4N 121.6E
12	iP	NEZ 05 46 48.5	41.2	33		5.2N 127.5E
12	eP iS	NEZ NEZ 09 00 20 06 35				
12	iP i eL	NEZ Z NEZ 22 41 54.5 53 08 57.0	50.6	33	5.3	13.5N 122.9E
No short period N.S. record for 13th March						
13	iP	EZ 06 26 05.5	41.5	522	4.6	17.7S 178.7W
14	iP	NEZ 11 51 42.5	40.1	561	4.7	20.6S 178.5W
14	iP ePP iS	NEZ Z NEZ 15 12 15 14 02 17 18	36.9	611	5.4	13.7S 172.3E
14	eP	Z 15 32 23	154.4	31	5.4	15.9N 60.5W
No short period vertical records for 15th March						
15	eP	NE 03 25 32	37.9	43		1.2N 126.2E
15	iP eSS e	NE NE N 22 50 23.5 23 13.5 33.7	152.7	27	6.2	36.2N 7.6W
16	iP	NEZ 01 17 37				
16	eP	EZ 02 34 55				
16	iP	NEZ 08 56 27	79.7	140	5.7	44.8N 146.8E
16	eP	NEZ 15 02 24	32.3	33		8.3S 118.6E
16	iP	NEZ 15 05 05	34	69	4.8	11.5S 166.1E
16	iP	NEZ 21 46 30.5	40	578	4.9	20.6S 178.7W
17	iP	NZ 01 11 46	39.5	82	5.3	1.0N 121.0E
18	iP	NEZ 00 18 24	44.6	268	4.8	17.3S 175.1W
18	eP e i iS	NZ Z N NE 04 49 32 51 08 59 14 59 38	88.1	440	5.6	52.5N 153.6E

3.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
18	iP	NEZ 13 20 38				
18	iP	Z 18 03 38				
19	iP ePP	NEZ 04 52 20 EZ 54 05	37.9	613	4.7	21.9S 179.5W
19	eL	Z 10 27.2				
19	eP iS i i eL	NEZ 21 52 40 NEZ 59 38 NEZ 22 03 18 N 04 40 EZ 07.3	47.8	33	5.6	15.1S 172.6W
20	iP	Z 04 27 21	30.4	34	4.9	6.1S 150.4E
20	eP eL	NEZ 19 01 55 NEZ 11.5	35.2	121	5.4	7.0S 115.2E
20	iP	NEZ 19 12 08	71.8	86	5.7	23.6N 94.4E
21	eP i	NEZ 02 20 48 NEZ 22 22				
21	iP ipP iPPP iS i eL	NEZ 03 47 58.5 NEZ 49 00 Z 49 50 NEZ 52 36 NEZ 53 55 NEZ 54.4	30.1	367		6.4S 127.9E
21	eP	NEZ 09 20 29				
21	iP	NEZ 16 34 29.5	38.2	33	5.6	27.6S 177.2W
22	eP iPP ePcP	NEZ 05 38 51 NEZ 40 07 EZ 41 29	34.1	33	5.1	2.7S 126.4E
22	eP	NZ 07 24 29	127.5	147	5.1	5.5S 77.1W
22	eP	EZ 13 48 23	53.9	33		3.2N 98.0E
22	eP	Z 20 20 50	49.5	204		13.2N 125.4E
22	eP	NZ 22 37 50				
23	iP eS i eScP e	NEZ 22 46 08 NEZ 49 58 NEZ 52 40 Z 54 00 NE 54 20	22.1	33		17.6S 123.2E
24	iP	NEZ 00 34 20	42	554		17.1S 178.4W
25	eP	NEZ 02 43 27				
25	eP	NEZ 20 25 24	43.2	33	5.4	5.8S 104.0E
26	eP	NEZ 01 24 39	47.6	53		10.3N 122.6E
26	eP iS eL	NEZ 02 12 44.5 N 19 32 NEZ 23.7	46.2	33	4.9	11.3N 142.0E

4.

Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre
26	eP	NEZ	06 39 45	51.3	118	13.7N 120.6E
26	iP	NEZ	09 23 51	46	59	8.3N 121.8E
26	iP e(S)	NEZ NEZ	12 21 36 27 23	29.3	156	5.3 6.8S 129.3E
26	eL	NEZ	14 21.0			
26	eP iS	NEZ NEZ	20 34 43 35 13			Regional?
27	iP	NEZ	04 41 54.5	72.9	93	5.4 25.9N 95.8E
27	iP	NEZ	08 08 08.5	34.1	93	4.5 11.5S 166.2E
27	iP i i iS	NEZ Z Z NE	20 28 40 28 44 33 44 33 48.5	37.4	520	5.0 23.7S 179.9E
27	eP	NEZ	23 15 35.5	77.5	32	6.3 27.2N 89.3E
27	eP	NEZ	23 52 28			
28	eP i	NEZ NEZ	03 51 12 55 15	112.7	20	8.5 61.1N 147.6W
28	ePKP	NEZ	07 28 50	110.7	20	6.1 58.8N 149.5W
28	eP	NEZ	07 49 34			
28	eP	NEZ	10 20 15			
28	ePKP	NEZ	10 54 04	114.3	25	5.1 60.9N 143.7W
28	eP	Z	11 05 28			
28	iP i	NEZ NEZ	11 37 19.8 38 44	38.5	140	5.8 0.5N 122.3E
28	eP	NEZ	12 39 15	107.4	25	6.1 56.5N 154.0W
28	eP i	NEZ NEZ	12 46 00 55 07			
28	ePKP	Z	15 06 13	112.8	10	5.7 60.4N 146.5W
28	ePKP	NEZ	20 47 42	111.6	40	5.8 59.8N 147.8W
28	eP	Z	20 58 45			
29	eP	NEZ	01 22 42			
29	eP	NEZ	04 48 59			
29	eL	NZ	06 50.5			
29	eP	Z	11 08 22	110	25	5.2 58.2N 150.4W
29	eL	NEZ	17 33.1			
29	eL	NZ	18 45.5			
29	iP i	NEZ Z	21 47 49.5 49 43			

5.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
29	iP	NEZ	23 34 27.5				
30	eP	NEZ	00 48 09				
30	e	NE	02 44 46				
30	eL	N	08 01.3				
	eL	EZ	02.5				
30	eL	Z	12 44.0				
30	eL	NZ	13 56.8				
	eL	E	59.3				
30	eL	NZ	14 26.4				
	eL	E	29.4				
30	eL	NEZ	17 01.3				
30	eL	NZ	17 49.0				
30	eL	NEZ	19 01.8				
31	eP	NEZ	00 26 20	80.6	60	5.3	45.3N 151.0E
	eL	N	50.0				
31	iP	NEZ	05 22 50.5				
31	eL	NEZ	09 50.0				
31	eL	NEZ	12 45.0				
31	iP	NEZ	17 11 40	41.4	540	4.4	17.7S 178.8W

Seismograms read by A. Slade

D.J. Sutton,
Director.

Adelaide

Apr - June 1964



SEISMOLOGICAL BULLETIN

THE UNIVERSITY OF ADELAIDE

DEPARTMENT OF PHYSICS

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATIONADELAIDE (MOUNT BONYTHON)

Latitude: 34° 58' 01"

Longitude: 138° 42' 32"

Height above mean sea level: 2150 ft., 655.3 metres

Foundation: Sandstone

Instruments: World-wide Standard seismograph system

Benioff short period seismometers

$T_o = 1.0$ secs. $T_g = 0.75$ secs.

Sprengnether long period seismometers

$T_o = 30$ secs. $T_g = 100$ secs.

Nominal magnifications: S.P. 25,000

L.P. 750

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR APRIL-JUNE 1964

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
1	eL	NEZ	04 14.0				
1	eP	NEZ	07 45 58				
	i	NEZ	46 38.5				
1	eP	NEZ	22 43 34				
2	iP	NEZ	01 21 30	57.4	132	5.2	5.9N 95.7E
	i	NEZ	21 34.5				
	i(S)	NEZ	29 32				
	i	NE	30 34				
	i	NEZ	31 32				
	iSS	NEZ	33 18				
	i	NEZ	34 00				
	eL	NEZ	35.6				
2	eP	NEZ	03 19 23	57.1	108		5.5N 95.7E
2	iP	NEZ	06 59 05	30.2	485	4.8	6.9S 125.5E
	iPP	Z	07 00 25				
	i	Z	04 45				
2	iP	NEZ	07 45 49	38.7	82	5.0	2.0N 125.6E
2	iP	NEZ	16 04 31	42.4	179	5.7	5.8N 125.8E
	iS	NEZ	10 44				
	i	NE	11 38				
	iSS	NEZ	13 46				
2	eP	NEZ	23 40 40	88	33	6.0	56.4S 25.1W
3	iP	NEZ	04 22 10	55.3	70	5.8	4.0N 96.6E
	ipP	NEZ	22 25				
	eL	NEZ	39.0				
3	eP	NEZ	08 54 47	37.2	33	4.8	27.9S 178.1W
3	iP	NEZ	09 10 56	32.4	82	4.8	4.9S 152.1E
	eL	Z	42.0				
3	eP	NEZ	15 50 50	28.8	33		7.5S 128.7E
3	eP	NEZ	22 52 10	113	40	5.7	61.6N 147.6W
	eL	NEZ	23 21.3				
4	eP	NEZ	02 54 11				
4	eL	NEZ	05 46.0				
4	eP	NEZ	07 06 45	57.2	157	4.6	5.5N 95.3E
4	e	NE	09 26 24				
	eL	EZ	32.6				
	eL	N	33.0				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
4	eP i i i eL	Z NE Z NEZ NEZ	18 04 55 12 30 14 24 20 00 22.0	107.1	25	5.7	56.3N 154.4W
4	eP	NEZ	19 13 21				
4	eP	NEZ	21 46 51	48	33	5.3	10.5N 122.1E
5	eL	NEZ	02 08.0				
5	eP	Z	02 13 20				
5	iP	NEZ	22 29 54	37.2	31	4.5	28.1S 178.2W
6	iP	NEZ	01 29 12	37.6	568	4.5	23.4S 180.0
6	iP	NEZ	07 17 36.5				
6	iP	NEZ	08 03 36				
6	iP	NEZ	23 49 27	32.9	116	4.8	5.1S 154.0E
7	iP ipP iPP iSS	NEZ NEZ NEZ Z	13 25 22 25 33 26 50 33 40	37.6	150	5.9	0.1N 123.2E
7	iP	NEZ	13 31 10				
8	eP	Z	05 05 07	46.1	126	5.0	9.7N 125.6E
8	eP eL	Z EZ	08 19 13 40.5	69.6	33	5.7	6.8S 68.9E
8	eP iS i(ScS) eL	Z NEZ E NEZ	11 10 23 20 30 20 54 29.5	81.1	40	5.5	45.8N 150.8E
8	iP	NEZ	19 48 50				
9	iP	NEZ	01 03 54	43.1	33	5.3	6.3N 125.1E
9	eP	NEZ	07 46 57				
9	eP	NEZ	08 02 37				
9	eP	NEZ	14 09 36.5				
No reading for 10th, 11th, 12th April							
13	iP	Z	01 04 52.5	37.9	97	5.4	0.1N 123.0E
13	eP	NEZ	03 31 56	77.3	52	5.4	27.6N 90.2E
13	eP	NEZ	06 30 32.5	41.3	574	4.4	19.5S 177.7W
13	iP	NEZ	08 54 40	57.1	309	5.1	22.3N 142.1E
13	eP iS	NEZ NEZ	11 29 55 34 43	29.2	126		7.1S 129.2E

3.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre		
13	eL	NE	13	13.6				
	eL	Z		18.5				
13	eL	EZ	17	10.0				
13	eP	NEZ	21 00	36		Local		
	iS	NEZ	00 40					
14	iP	NEZ	05 10	16	45.3	33	41.0S 80.8E	
	eL	NEZ		23.3				
14	iP	NEZ	09 05	02	31.2	33	4.6	17.5S 167.9E
	iS	NEZ		10 08				
	eL	N		12.5				
	eL	EZ		13.6				
14	iP	NEZ	15 39	37.8				
14	iP	NEZ	16 25	23	32.7	53	5.3	8.6S 117.3E
	eL	Z		53.0				
	eL	NE		54.0				
15	eP	NEZ	01 05	24.5	41.7	450	4.0	17.8S 178.3W
15	iP	NEZ	01 14	20				
15	iP	NEZ	15 07	40.5	23.8	33	4.9	45.2S 167.0E
15	Lq	E	16	14.5				
	Lq	N		15.5				
	LR	Z		21.0				
	LR	NE		23.5				
15	iP	NEZ	16 47	32	74.2	36	5.5	21.7N 88.0E
15	eP	Z	18 00	52				
15	eP	NEZ	21 57	38				
16	eP	NEZ	01 15	54	71.7	38	5.1	37.0N 142.7E
16	eP	NEZ	02 41	40	30.9	110	4.6	21.5S 170.5E
16	iP	NEZ	11 52	06	37.5	530	4.5	23.8S 180.0E
16	iP	NEZ	14 11	35	31.9	78	5.4	7.0S 155.7E
	i	NEZ		11 45				
	eL	NEZ		21.0				
16	e	NE	19 53	30				
	e	NE	20 00	50				
	e	NEZ		07 00				
	eL	NEZ		11.0				
17	eP	NEZ	01 22	31	39.8	34		3.7N 127.7E
17	eP	NEZ	02 03	21				
17	Lq	NE	05	35.5				
	LR	NEZ		41.5				
17	iP	NEZ	06 06	19	31.9	85	5.4	6.6S 154.9E
	iS	NEZ		11 28				
	i	NEZ		12 48				
	i	E		16 45				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
17	eP	NEZ	14 30 10	33.5	33	1.6S 133.4E	
18	eP	Z	05 39 59.5	80.8	33	5.3	45.5N 151.1E
18	eL	NEZ	21 02.0				
19	eP e eSS	NZ E NZ	04 04 39 12 16 14 00	46.8	51	4.2	15.4 173.7W
19	eL	NEZ	06 56.6				
19	eP iS i(SS) Lq LR	NEZ E NEZ E NZ	14 24 48 35 14 40 50 47.5 51.7	83.8	33	5.4	60.5S 58.3W
19	eP	NEZ	21 40 07	29.1	130		7.3S 128.3E
19	eP iS	NEZ NEZ	23 36 27 36 36				Local
20	eP i i	NEZ NEZ NEZ	13 49 32 50 20 55 18	29.2	128	5.5	7.3S 128.1E
20	eP i	NEZ NEZ	21 21 14 21 42	29.2	91	3.4	6.9S 129.3E
20	eP	NEZ	22 38 57	45.6	33	5.3	4.2S 102.1E
21	eL	NEZ	05 56.0				
21	eP	NEZ	07 07 58.5	30.2	62		4.8S 142.8E
21	eP e(S)	NEZ NEZ	09 07 58 13 21				
21	iP	NEZ	20 40 07				
22	eP iS	NEZ NEZ	10 52 34.5 52 39				Local - Felt
22	eP	EZ	15 07 14	62.3	33	5.0	12.4N 95.7E
22	eP i eS i	NEZ Z NEZ NEZ	20 06 42 09 27 11 46 15 52	32.2	123	5.0	15.5S 167.5E
22	iP	NEZ	23 10 34	33.5	218	4.0	13.2S 167.1E
No Long Period E.W. record for 23rd April							
23	eP	NEZ	01 38 02.5	32	72	5.0	6.7S 155.0E
23	eP	NZ	02 02 01	66.6	33	4.8	32.1N 138.7E
23	iP i iPcP i iS eL	NEZ NZ Z NZ NZ NZ	03 38 56.4 39 14 42 14 43 26 43 54 44.1	29.8	33	6.4	5.3S 134.0E

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
23	eP i eL	NEZ Z NZ	10 39 08.5 41 58.5 48.5	32	60	5.3	6.6S 155.1E
23	eP	NEZ	20 54 17	50.7	45		14.0N 124.4E
24	eP	NEZ	05 32 37	31.1	118		3.9S 138.8E
24	eP ipP iPPP i iS i i i iPcS i Lq i LR	NEZ NZ NZ NZ NEZ NEZ Z NE NE NZ NE NZ NZ	06 02 12 02 40 03 22 04 10 07 02 07 44 08 10 08 28 08 56 09 26 09.5 10 00 10.5	30.1	106	6.3	5.1S 144.2E
24	iP	NEZ	15 02 43.5				
25	eL	Z	05 53.0				
25	iP	NEZ	18 48 05	60.2	33	5.3	24.4N 125.3E
26	iP ipP eL	NEZ NEZ NZ	14 07 15 07 32 20.5	42.5	90	5.6	5.8S 105.0E
26	iP	NEZ	14 59 05	40.5	490	5.1	20.6S 178.0W
27	eP eL	NEZ NEZ	01 46 21 02 04.5	51.8	33	5.6	0.3N 98.1E
27	eP iS iSS eL eL	NEZ NEZ NEZ NE Z	06 50 01.5 54 34 55 32 55.9 56.5	26.4	33	5.0	60.1S 151.0E
27	eP	NEZ	07 14 20				
28	eP	EZ	14 02 10				
29	eP	NEZ	17 50 15	84.8	33	5.6	58.2S 15.7W
30	iP	NEZ	04 57 02	41.1	339	4.0	19.7S 177.8W
30	iP	NEZ	08 19 08	88.5	88	4.9	56.2S 27.6W
30	iP	NEZ	15 03 50	57.6	50	5.7	20.3N 121.1E
30	iP iS eL eL	NEZ NEZ E NZ	16 10 01 15 26 18.1 19.1	33.1	78	5.2	4.6S 153.2E

Seismograms read by A. Slade

 D.J. Sutton,
 Director.

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR APRIL-JUNE 1964

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
2	eP	NZ	80.8	35	5.7	45.5N 150.3E
	iS	NEZ				
	i(PS)	NZ				
	iPPS	N				
	eL	NEZ				
3	iP	NZ				
3	iP	NZ	39.5	487	5.2	1.9N 123.0E
4	eP	NEZ	84.2	33	5.4	5.8S 4.4W
	eL	NEZ				
5	eP	NEZ	80.4	40	4.9	45.5N 150.1E
	eL	NEZ				
5	eL	NZ				
6	eP	NEZ	30.6	33	5.3	8.4S 121.7E
6	eP	NEZ				
6	eL	NZ				
6	iP	NEZ	31.9	40	5.1	11.1S 162.2E
	iS	NEZ				
	Lq	NE				
	LR	NZ				
	LR	E				
6	eP	NEZ				
	e	NEZ				
6	eL	NEZ				
6	iP	NEZ				
	eL	EZ				
	eL	N				
7	iP	NEZ	42.9	300	5.4	18.2S 176.6W
7	eP	NEZ	98.9	33	6.4	4.0S 34.9E
	iSKS	NEZ				
	iS	N				
	iPS	E				
	eL	EZ				
	eL	N				
7	iP	NEZ	75	33	6.2	40.4N 139.0E
	i	NZ				
	iS	NEZ				
	i(PPS)	N				
7	eP	NEZ				
7	iP	NEZ	65.2	469	5.1	30.6N 137.7E
	eS	NEZ				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
7	eP	NEZ	18 24 45				
7	eP	NEZ	20 24 29.5	75.1	33	5.9	40.5N 139.0E
	eL	N	42.0				
	eL	EZ	42.7				
7	eP	NEZ	23 19 16	35.5	33	4.4	32.9S 178.3W
8	eP	Z	03 42 55	35.6	40	4.5	32.7S 178.3W
	eL	NEZ	55.0				
8	iP	NEZ	06 30 05	46.4	379		9.7N 125.0E
8	eL	NEZ	17 14.0				
9	eP	NEZ	13 56 18	45.4	60	5.7	8.1N 123.2E
	i	NEZ	56 25				
9	iP	NEZ	18 22 50	32.8	41	5.0	13.7S 166.6E
	ipP	E	23 01				
	i	Z	23 05				
9	eP	NEZ	21 13 53	30.5	26	5.4	9.2S 156.7E
	eL	NEZ	22.5				
9	eP	NEZ	21 53 07				
	i	NEZ	54 32				
10	iP	NEZ	05 50 11	63.7	62	5.3	29.0N 141.5E
10	iP	NEZ	06 34 16	33.1	77	4.6	4.6S 153.2E
10	iP	NEZ	07 58 04	38.2	33	5.6	1.6N 126.3E
11	iP	NEZ	05 35 42	37.1	515	4.8	24.6S 179.9E
11	iP	NEZ	09 01 34				Seismic event?
11	iP	NEZ	15 04 50	40.3	60	5.7	4.3N 127.9E
11	iP	NEZ	17 00 55	43.6	567	5.2	6.4N 124.0E
No short period N.S. record for 12th							
12	iP	EZ	01 44 04	35	607	4.6	26.2S 178.3E
12	eP	EZ	07 14 23	26.4	33	4.9	11.0S 126.0E
	i	EZ	19 32				
12	eP	EZ	16 49 53				
	eS	EZ	50 22				
12	eL	NE	19 01.5				
	eL	Z	06.0				
13	eP	NEZ	05 32 22	35.6	33	5.3	32.8S 178.3W
	iS	NE	38 18				
	iSSS	NEZ	40 50				
	eL	NZ	41.5				
	eL	E	42.5				
13	eP	NEZ	11 12 53	38.8	578	4.6	21.8S 179.6W

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
13	iP	NEZ	35.4	33	5.1	32.7S 178.6W	
	i	Z					
	eL	EZ					
13	eP	Z	35.7	70	4.9	32.4S 178.3W	
	eL	NEZ					
14	eP	Z	33	32	4.9	4.5S 152.9E	
14	iP	NEZ	20 27 40				
15	eP	NEZ	10 56 50	32.7	4.7	3.5S 149.1E	
	eS	NE	02 06				
	eL	NEZ	04.2				
15	eP	NEZ	11 13 12				
15	eP	NEZ	14 45 47				
16	eP	NEZ	16 14 42	35.6	33	5.4	
	iS	NE	20 20				
	eL	NEZ	23.0				
17	eL	NZ	01 32.0				
17	eP	NEZ	17 12 18	35.3	33	4.6	
	eL	NZ	23.5				
	eL	E	25.0				
17	eP	NEZ	18 32 47	35.4	59	33.3S 178.3W	
17	ePKP	Z	19 46 31	175.6	33	5.6	
	iPKP ₂	Z	48 10				
	eL	N	20 13.3				
	eL	Z	14.3				
18	iP	NEZ	14 20 08	43	33	5.6	
	eL	NZ	33.3				
	eL	E	34.2				
18	eP	NEZ	16 05 34	18.6	33	49.6S 123.1E	
18	eP	NEZ	17 47 47	53.2	19	5.1	18.2N 147.3E
19	eP	NEZ	07 35 38	42.1	37		5.8S 105.5E
19	eP	EZ	10 51 37	80.8	33	5.4	45.5N 150.3E
19	eP	NEZ	20 34 06	33.9	33		1.2S 133.8E
20	eP	NEZ	05 00 31	36.1	33	4.8	31.4S 178.2W
20	iP	NEZ	06 07 37	32.1	61	5.8	
	iS	NZ	12 44				
	i	E	14 10				
	eL	E	16 10				
	eL	NZ	16.8				
21	eP	NEZ	10 36 10				
	e	NEZ	41 35				
22	iP	NEZ	07 02 30				
22	iP	NEZ	16 10 08				

4.

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
22	eP	NEZ				
23	iP	NEZ				
23	eP iS	NEZ NEZ				Local
23	eP	NEZ				
24	eP	NEZ				
24	eP	NEZ				
25	eP i(PS) eL eL	NEZ E N EZ				
26	eP	NEZ				
26	eP	NEZ				
26	iP	NEZ				
26	iP iPcP iPP	NEZ NEZ NEZ				
26	iP	NZ				
27	eL	Z				
27	iP iPP eL eL	NEZ NZ E NZ				
27	iP iPP	NEZ NZ				
27	eP i	NEZ NEZ				
27	eP	Z				
27	iP	NEZ				
27	iP	NEZ				
28	eP	NEZ				
28	eP	NZ				
28	iP	NEZ				
29	eL	Z				
29	iP	NEZ				
29	iP	NEZ				
29	iP	NEZ				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
29	eP NEZ	20 15 42	34	33	5.1	0.5S 134.7E
30	iP NEZ	14 41 59	70.8	49	5.4	36.2N 141.1E
	iS NEZ	51 10				
	iPS E	51 56				
	iSS N	55 44				
	iSSS E	58 56				
	eL EZ	15 01.4				
	eL N	02.5				
30	eP NEZ	17 31 30	45.5	91	5.3	9.3N 126.4E
31	iP NEZ	00 52 35	78.4	48	6.3	43.5N 146.8E
	iS NEZ	01 02 27				
	i N	07 52				
	e EZ	09 36				
	eSSS N	10 30				
	Lq E	13.0				
	i N	14 20				
	i NZ	16 00				
	LR NZ	18.2				
31	eP Z	17 10 42				
31	eP NZ	17 22 31	36.8	73	5.0	13.6S 172.1E
	i E	28 20				
	eL NE	31.0				
	eL Z	33.0				

Seismograms read by A. Slade

 D.J Sutton,
Director.

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR APRIL-JUNE 1964

Date	Phase		Time	Δ°	h (kms)	Mag.	Epicentre
1	iP	NEZ	06 11 26.2	32.8	176	5.2	14.6S 167.4E
1	eP	NEZ	06 27 42				Local
	iS	NEZ	27 44				
1	iP	NEZ	08 57 13.4	41.2	113	5.3	4.6N 125.9E
1	eL	NEZ	13 37.0				
No records for 2nd June							
3	iP	NEZ	03 00 35.0	73	100	5.5	25.9N 95.8E
4	eP	NEZ	10 24 59	33.3	47	5.2	7.8S 117.6E
4	eP	NEZ	11 23 26	30.5	54		6.1S 149.9E
	eL	NEZ	28.0				
4	eP	NZ	12 47 03				
	e	E	56.5				
4	iP	NEZ	13 02 13.5	30.2	33		4.9S 134.2E
	e	E	11 42				
	e	NZ	12 20				
	i	Z	15 04				
5	eL	NEZ	09 32.0				
5	eP	NEZ	16 14 19	30.7	33	4.4	6.5S 125.8E
	e(S)	NEZ	19 29				
6	eP	NEZ	08 20 09				
6	iP	EZ	19 20 38.5	87.7	33	5.8	26.6S 114.4W
	eS	NEZ	31 22				
	ePS	NEZ	32 26				
	e(SS)	NEZ	37 19				
	eL	NEZ	48.3				
7	iP	NEZ	08 29 28.6	32.7	33	4.8	3.0S 130.3E
7	eP	NZ	15 00 51	70.9	36	5.0	36.3N 141.0E
8	iP	NEZ	15 54 07.1	32.1	221	5.1	4.9S 151.3E
8	iP	NEZ	18 14 35.0				
8	iP	NEZ	23 02 22.1	52.9	163	5.4	17.7N 145.7E
	iS	NZ	09 41				
10	iP	NEZ	06 08 59.2				
10	eP	NEZ	18 07 41	79.1	71	5.0	31.8N 93.1E
10	eP	NEZ	18 33 19	31.9	33	5.0	9.4S 117.6E
	eL	NEZ	43.0				
10	iP	NEZ	19 20 07.1	30.9	47	5.3	18.0S 167.9E
	eL	Z	29.0				

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre
10	iP	NEZ 19 56 17.5	42.3	84	5.4	6.1S 104.9E
10	iP	NEZ 22 24 16.2	41.2	146	5.5	5.0N 127.4E
	ipP	NZ 24 48				
	i	NZ 26 20				
	iS	NEZ 30 24				
	eL	NEZ 33.2				
11	iP	NEZ 02 07 50.6				
11	iP	NEZ 10 32 45.1	32.7	67		2.2S 141.2E
	eL	N 38.0				
	eL	EZ 41.0				
11	iP	NEZ 11 07 56.9	88.6	33	5.8	56.0S 27.3W
11	iP	NEZ 13 26 17.3	32.9	40	5.3	1.9S 141.0E
11	i(P)	NEZ 13 29 03.0				
	eL	NEZ 37.0				
11	eP	NEZ 14 37 40				
11	iP	NEZ 15 27 20.2	32.9	33	5.7	2.0S, 141.2E
11	iP	NEZ 17 08 23.6	32.9	18		2.0S 140.8E
	eL	NEZ 13.8				
11	eP	NEZ 17 44 26.5				
11	eP	Z 18 00 58	51.7	33		9.2S 89.5E
11	e(P)	Z 18 15 31				
11	eP	NEZ 18 42 42.5	67.6	330	4.8	33.1N 137.6E
11	iP	NEZ 19 48 45	32.9	33		2.1S 141.2E
	eL	NEZ 59.5				
11	iP	NEZ 21 40 48.2	88.6	135	6.1	55.9S 27.7W
11	eP	NEZ 21 52 12				
	i	Z 53 02.5				
12	iP	NEZ 10 56 39.5	32.9	33	5.5	2.1S 141.1E
	iS	NEZ 11 02 00				
	i(ScS)	NEZ 07 35				
12	iP	NEZ 16 04 43.1	48.3	183	5.5	11.4N 124.9E
	ipP	NZ 05 24				
	iS	NEZ 11 25				
12	iP	NEZ 18 18 22	34.9	648	5.3	26.5S 178.3E
13	iP	NEZ 05 10 56	33	33	5.9	1.9S 141.2E
	eL	NZ 20.0				
13	iP	NEZ 07 11 58				
13	iP	NEZ 08 04 42				
	i(S)	Z 10 59				
13	eP	NEZ 08 19 44				

ADE

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
13	iP	NEZ	08 34 06	62.2	33	6.1	10.0N 93.0E
13	iP	NEZ	11 21 37	37.4	34	4.8	27.3S 178.0W
13	iP	NEZ	14 07 45	34.1	474	5.5	3.9S 154.3E
13	iP	NEZ	17 47 15	71.6	61	5.8	23.0N 94.0E
13	eP eL	NEZ NEZ	22 38 57 47.7	37.7	94	5.2	27.6S 178.3W
14	eL	Z	13 22.0				
14	eP i i	NEZ NZ NEZ	19 33 55 34 25 39 26	29.2	81	4.7	6.8S 129.8E
15	eP	Z	00 09 19.5	88.2	33	5.3	56.1S 25.0W
15	iP i eL	NEZ NZ NEZ	00 15 09 23 00 28.0				
15	iP	NEZ	02 13 27	44.7	148	4.5	17.4S 174.9W
16	eP ipP i iS	NEZ N N NEZ	04 13 12 13 27 14 18 22 34	72.9	57	6.1	38.3N 139.1E
16	eP	NEZ	07 04 38	73.3	15	5.6	38.7N 139.0E
16	eP	NEZ	07 26 28	73.1	16	5.9	38.5N 139.2E
16	iP	NEZ	08 41 56	41.7	33	4.6	22.0S 175.8W
16	iP e i	NEZ NZ NEZ	11 22 38.6 28 50 33 47	32.9	13	5.9	2.0S 141.1E
18	iP	NEZ	09 42 50.7				
20	eP	NEZ	16 13 07	31.7	33	5.5	3.3S 142.4E
21	iP	Z	01 45 53.6	87.1	51	5.7	51.0N 157.0E
22	e eL	NEZ NEZ	00 35 43 39.5				
No short period E.W. record for 22nd June							
22	iP i(S) eL	NZ NEZ NEZ	03 09 59 15 36 18.7	31.8	70	5.4	10.4S 161.1E
22	iP	NZ	21 32 35.5	51.4	56	6.5	13.6N 120.3E
23	iP iS iPS iPPS iSS Lq LR LR	NEZ NEZ N E E E E N	01 38 30.0 48 19 49 00 49 30 53 20 56.6 59.0 59.9	78.2	77	6.2	43.3N 146.1E

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre	
23	eP	NEZ	19 17 42	39.5	33	5.3	3.0N 126.6E
24	eP	NEZ	10 29 12				
24	eP	Z	15 06 14	31.8	123	5.0	7.1S 155.6E
26	iP	NEZ	13 16 36.9	35.6	648	4.9	12.6S 169.4E
26	eP	NEZ	13 39 15	31.5	17	5.6	9.2S 158.9E
26	eP	NEZ	16 10 20	30.3	60	4.9	5.3S 131.2E
28	eP i(S)	NEZ NEZ	00 59 04 59 33				Local? (exact beginning?)
28	eP iS eL	NEZ NEZ NEZ	12 58 26 13 03 56 06.0	34.7	7	6.4	1.7S 149.6E
28	iP	NEZ	14 58 30.8	33.6	215	5.4	13.2S 167.1E
30	eP	NZ	08 57 47	29.1	99	4.9	6.9S 129.6E
30	eP iS	NEZ NEZ	13 53 34 59 20	37	36	6.3	0.8S 122.5E
30	eP	NEZ	19 54 37	37.8	33	4.9	0.0 122.9E
30	iP	NZ	20 20 06.8	81.4	383	5.5	46.6N 144.6E
30	eP	NEZ	23 21 40	37.9	56	5.3	0.3S 122.6E
30	eP	Z	23 43 50	27.5	162		7.9S 131.6E

Seismograms read by A. Slade

 D.J Sutton,
 Director.

1964
Oct Nov Dec



SEISMOLOGICAL BULLETIN

THE UNIVERSITY OF ADELAIDE

DEPARTMENT OF PHYSICS

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

ADELAIDE (MOUNT BONYTHON)

Latitude: 34° 58' 01"

Longitude: 138° 42' 32"

Height above mean sea level: 2150 ft., 655.3 metres

Foundation: Sandstone

Instruments: World-wide Standard seismograph system

Benioff short period seismometers

$T_o = 1.0$ secs. $T_g = 0.75$ secs.

Sprengnether long period seismometers

$T_o = 30$ secs. $T_g = 100$ secs.

Nominal magnifications: S.P. 25,000

L.P. 750

Oct Nov Dec

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

BULLETIN FOR OCTOBER -- DECEMBER 1964

Date	Phase		Time	Δ °	h (kms)	Mag.	Epicentre
1	eP	NEZ	02 54 13.2	33.7	128		4.0S 153.5E
2	iP	NZ	04 37 54.8 D	37.8	503		23.6S 179.6W
2	iP	Z	09 54 01.2	32.6	58	5.2	10.4S 162.4E
2	iP	NEZ	13 07 07.5 U	32.5	68	6.0	10.5S 162.4E
	iS	NEZ	12 24				
	eL	NEZ	14.6				
3	iP	NEZ	17 09 40.4 D	41.1	673	4.4	18.1S 178.8W
4	eP	NEZ	09 17 04	27.4	78	4.4	8.9S 129.2E
5	iP	NEZ	08 38 38 D	46	33	5.1	16.7S 173.7W
5	eP	NEZ	14 06 43.8	41.6	33	5.1	22.2S 175.8W
5	eP	NEZ	17 56 45				
No short period record for 6th							
6	eL	NEZ	07 59.0				
6	iPP	NEZ	14 52 18	125.9	10	6.0	40.3N 28.2E
	iPKS	EZ	53 42				
	iPS	NEZ	15 02 28				
7	eP	NZ	03 58 31	31.9	70	5.5	6.8S 155.2E
8	eP	NEZ	06 56 20				
9	iP	NEZ	04 33 50 U	30.6	79	5.2	5.6S 129.0E
9	iP	NEZ	21 42 45.6 D	47.7	33	5.8	16.2S 171.9W
10	iP	NEZ	02 06 53.7 U				
10	iP	NEZ	08 37 43.8 D	37.8	441		23.8S 179.7W
11	eP	Z	10 19 01	81.6	33	5.3	19.1N 156.6W
11	eP	NEZ	10 26 52	29.2	138	5.0	6.3S 145.7E
11	eP	NEZ	11 17 05	32.9	68	5.0	13.6S 166.6E
	eL	NEZ	26.3				
11	iP	NEZ	20 58 25 D	32.5	241		15.1S 167.6E
11	iP	NEZ	21 22 17.6 D	37.3	33	6.3	0.6S 121.7E
	i(pP)	Z	22 23				
	iPP	NZ	23 43				
	i	NEZ	28 08				
11	iP	NEZ	23 41 08.2 U	42.3	121	5.4	6.0N 126.7E
12	eP	NEZ	01 55 55.5	40.9	188	4.4	21.6S 177.1W
12	eL	NEZ	09 40.0				

Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre	
12	iP i iS eL eL	NEZ NZ NEZ E NZ	15 50 20 D 52 17 56 18 59.6 16 01.2	39.4	59	5.9	3.0N 126.7E
12	eP	NEZ	20 19 48	30.2	195	5.5	5.6S 147.1E
12	iP eL eL	NEZ NE Z	22 08 17 31.5 33.3	87.2	25	5.0	31.3S 110.8W
13	eP	NEZ	00 58 00	45.7	64	4.5	8.2N 122.4E
13	eP	NEZ	05 39 05.6	38.4	16	5.1	1.9N 126.5E
13	eP eS eL eL	NEZ E NEZ Z	10 45 31.8 50 50 52.2 54.5	33.1	59	5.1	3.3S 149.9E
13	eP	NEZ	13 26 55				
13	eP	NEZ	13 47 48				
13	eP	NEZ	20 29 14.5				
14	eP	NZ	01 37 45				
14	eP eL eL	NEZ E NZ	03 15 56 39.0 41.5	68.1	33	5.6	33.4N 141.8E
14	iP	NEZ	12 12 50.0 U	31.1	89	4.0	5.7S 150.5E
15	eP iS eL eL	NEZ NE E NZ	20 38 54 49 00 57.3 21 01.4	79.9	49	5.2	44.7N 149.8E
16	eP i	NEZ EZ	06 22 45 23 42	39.6	178	5.5	23.6S 177.6W
16	iP iS eL	Z NEZ NEZ	07 11 45.5 U 21 46 26.4	79.4	33	5.5	44.3N 149.5E
16	eP	NZ	08 30 36	79.7	33	5.2	44.6N 149.4E
16	eP	Z	09 30 18	79.6	33	5.4	44.5N 149.7E
17	iP ipP eS	NEZ NEZ NEZ	01 44 57.5 D 45 08 50 16	31.9	58	4.7	7.0S 155.8E
17	iP	NEZ	03 24 56.8 U	40.2	62	5.4	0.7N, 119.3E
17	iP eL	NEZ NEZ	06 02 05.8 D 09.0	31.3	116	5.3	22.3S 171.5E
17	iP e(S)	NEZ NEZ	15 07 06 U 12 45	29	117	5.5	7.1S 129.4E
17	eP	NEZ	18 32 47	37.1	152	4.9	0.6S 122.2E
18	iP eL	Z NEZ	09 18 21.5 42.7	77.8	33		2.9N 65.7E

Date	Phase		Time	Δ°	h (kms)	Mag.	Epicentre
18	iP	NEZ	12 37 56	30.9	574	5.8	7.0S 124.0E
	iPP	NEZ	39 30				
	i	Z	40 26				
	i	N	40 34				
	i	E	40 40				
	iS	NEZ	42 14				
	iPcS	EZ	44 16				
	iSS	NEZ	45 10				
18	eP	NEZ	14 09 08				
18	eP	NEZ	14 14 17				
18	iP	NEZ	14 47 46	U			
	i	NEZ	49 16				
18	eP	NEZ	22 03 53	43.1	33	4.8	7.1N 144.4E
19	iP	NEZ	00 00 22.5	42.6	79		5.9S 105.0E
19	iP	NEZ	08 57 03.2	D 37.4	475	4.3	24.7S 179.6W
19	eP	NZ	13 35 57.9	33	70	4.9	4.6S 152.9E
20	iP	NEZ	20 11 06.3	U 38.2	165	4.7	23.9S 179.0W
20	eP	NEZ	23 19 31	33.1	33	4.4	3.0S 128.6E
No long period vertical record on 21st and 22nd							
21	iP	NEZ	11 54 51.5	D			
21	eP	NEZ	23 20 59.4	75.7	37	5.9	28.1N 93.8E
	iS	NE	30 43				
21	eP	NEZ	23 49 11.8				Local
	iS	NEZ	49 37.5				
23	ePKP	EZ	02 16 01	160.1	31	6.4	19.8N 56.0W
	i	NE	30 32				
	i	NE	40 39				
24	eP	NEZ	04 31 48				
24	eL	NEZ	10 06.8				
25	ePKP	NEZ	06 44 42	117.7	160	5.3	2.0S 77.2W
25	iP	NEZ	12 15 29.5	D 39.1	534	5.5	21.7S 179.2W
	i(S)	Z	20 16				
26	iP	NEZ	14 30 18.0	U 38.7	48	6.0	2.2N 126.8E
	iPP	Z	31 44.8				
	eL	E	37.0				
	eL	NZ	40.6				
27	iP	NEZ	21 31 11.9	U 33.8	33		45.6S 96.1E
	iS	NEZ	36 40				
	i(SSS)	NE	39 18				
	eL	NEZ	40.2				
30	eL	NZ	02 51.0				
31	iP	NEZ	19 02 39	U 45	69	5.4	8.8N 126.6E

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR NOVEMBER 1965

Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre
1	iP NEZ	03 03 12.5 D	37.1	459	5.0	25.1S 179.7W
1	eP Z	05 24 45	51.4	94	4.9	13.7N 120.6E
1	iP NEZ	12 33 29.8 U	39.2	65	6.3	3.1N 128.1E
	iPP NE	35 05				
	iS NE	39 23				
	i NE	39 56				
	iSS NEZ	42 13				
	iScS NEZ	43 27				
	eL NEZ	44.5				
2	eP NEZ	05 09 50	28.8	48	4.5	7.5S 128.7E
2	iPKP Z	07 09 58.0 D	129.4	161	5.8	3.5S 76.6W
	i Z	10 28.6				
2	iP Z	09 25 53.5 U	42.2	39	5.0	5.8S 105.4E
3	eP NEZ	12 50 07	37.6	149	5.4	0.1N 123.7E
	i NEZ	50 38.4				
3	eP NEZ	18 35 40	34.7	35	5.8	1.7S 149.8E
4	iP NZ	13 47 18.4 D				
4	iP NEZ	21 10 37	43.5	70		6.8N 125.4E
	i NEZ	10 54				
5	iP NEZ	00 51 25.0 D	29.1	95	5.2	7.0S 129.4E
	eS NEZ	57 04				
5	iP NEZ	01 53 43.4 D	30.4	137		5.1S 146.1E
5	eP NEZ	04 25 35	30.3	197	4.9	5.5S 147.2E
5	eP NEZ	07 11 05				
	e NEZ	24 22				
	e NZ	28 08				
5	iP NEZ	10 02 04.1 D				
5	eP NEZ	14 32 41				
6	iP NEZ	00 14 01 U				
6	eP Z	10 05 25	79.6	60	5.7	44.4N 149.0E
	eL NEZ	31.6				
7	iP NEZ	00 59 15 U	51.8	33	5.2	2.0N 99.7E
7	eP NEZ	04 12 12.8	49.1	155		14.0N 144.7E
7	iP NEZ	07 50 08.8 U	29.6	48	5.3	6.5S 148.2E
	eL NEZ	58.5				
7	eP NEZ	08 05 57	29.4	44		6.8S 148.4E

2.

NOVEMBER

Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre	
7	eP NEZ eS E i(PPS) E eL NEZ	18 46 31 53 40 54 42 58.9	50.4	107	5.1	0.4N 100.1E	
7	iP NEZ	23 49 15	D	41.3	281	4.5	19.9S 177.4W
8	eP NEZ	02 01 30					
8	eP NEZ	02 48 26					
8	eP NEZ iS NEZ eL NE eL Z	02 49 10 53 20 54.1 54.7	23.3	33	6 $\frac{1}{2}$ (PAS)	49.0S 163.7E	
8	eP NEZ	03 07 33					Exact beginning?
No long period vertical records for 9th, 10th, 11th							
9	iP NEZ e(pP) NEZ e(S) NE	04 50 11.3 50 47 54 50	D	29.3	129	5.3	7.2S 128.2E
9	eP NEZ e NEZ	17 58 50.5 18 04 33		29.1	164		7.1S 129.1E
9	iP NEZ	18 53 20		56.6	33	5.0	19.3N 121.0E
10	eP NEZ e E i NE iScS Z	16 40 37 48 30 50 49 51 09		31.1	14	5.4	3.7S 136.5E
11	eP NEZ	21 34 30		33.3	135	3.9	13.7S 167.2E
12	eP NEZ	01 18 54.5		33.9	8		33.0S 179.7E
12	eP NEZ iS NEZ i(ScS) NEZ eL NEZ	05 41 25 47 46 51 22 53.6		43	107	5.2	18.2S 176.4W
12	iP NEZ	09 33 55	D	45.3	190	4.8	16.7S 174.6W
13	eP NEZ e NEZ	01 44 54 50 12		29	53	4.0	6.6S 131.0E
13	eP NEZ	13 33 44		30	368		7.4S 125.4E
13	eP NEZ iS E e NEZ eL NEZ	22 04 32 10 28 13 12 14.5		36.8	77	5.4	29.2S 178.1W
14	eP NEZ	02 04 31					
14	eP NEZ	04 07 02		68.6	60	5.3	33.6N 131.6E
14	eP NEZ iS NEZ	10 54 40.5 56 11.5		6.7	33		40.0S 144.3E
14	iP NEZ	17 00 43.6	D	30.3	228	4.3	5.3S 146.8E

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Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre
15	iP NEZ	04 42 47 U	45.6	62	5.5	9.4N 126.3E
15	iP NEZ	07 29 06.3 U	41.6	608	4.2	18.0S 178.3W
15	eP NEZ	16 02 31	60.8	42	5.4	24.0N 122.2E
15	eP NEZ	16 50 51.5	23.3	33		49.5S 163.6E
No long period records for 16th, 17th and 18th						
16	eP NEZ	22 48 20	40.4	33	6.7	1.0N 118.8E
17	eP NEZ	08 21 55.5	31.2	45	6.7	5.7S 150.7E
17	eP NEZ i NEZ	11 07 39 09 36				Regional?
18	eP NEZ	14 41 02	30.1	49	6.1	6.0S 148.2E
18	eP NEZ	22 29 07	43.7	33	5.8	20.2S 174.1W
19	iP NEZ iS NEZ	04 11 17.1 11 21				Local
19	eP NEZ eS NE e NEZ	15 52 06 57 25 16 00.4	33	38	5.7	3.4S 150.1E
19	iP NEZ iPP NEZ i NEZ eL NEZ	23 41 25.4 42 34 45 46 46.2	30.9	3	6.0	6.0S 150.8E
20	iP NEZ	01 29 50 D	30.6	61	5.2	6.2S 150.4E
20	eP NEZ	02 35 59				
20	iP? NEZ	02 38 06				
20	iP NEZ	02 55 14.0				
20	iP NEZ	03 08 04 D	30.6	44	5.1	6.2S 150.5E
20	eP NEZ	04 57 51				
20	iP NEZ	07 08 56.3				
20	eP NEZ i NEZ	16 26 07 31 40	29.3	33		8.9S 123.6E
20	eP NEZ e(SS) NEZ	19 11 02 17 06	29	126	4.7	6.9S 129.7E
20	iP NEZ	19 27 12 D	30.5	152	5.8	4.9S 145.4E
20	eP Z eL NEZ	23 45 19 00 05.7	79.8	33	5.6	44.6N 149.7E
21	iP NEZ iS NEZ iSS NEZ	02 23 43.5 D 29 20 32 06	38.3	248	5.8	1.0N 124.0E
21	eP NEZ eL N eL EZ	04 10 29 27.0 32.0	53.7	33	5.2	1.9N 96.8E

Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre	
21	iP eL	NEZ NEZ	12 47 59.6 D 54.7	30.6	43	4.9	6.2S 150.5E
21	eP iS iSSS eL	Z E E NEZ	15 42 52.3 49 47 54 32 56.6	47.9	35	5.2	12.8N 145.2E
22	iP eL eL	NEZ N EZ	02 45 29.0 U 54.8 55.8	41.5	563	5.0	17.9S 178.5W
22	eP eL	Z NEZ	05 16 53 27.5	30.6	39	4.7	6.2S 150.4E
22	iP eL	NEZ NEZ	05 52 44.0 D 06 03.0	30.6	47	5.4	6.2S 150.4E
22	eP ipP eL	NEZ NEZ NEZ	09 31 44 31 52.2 44.6	32.2	33	5.4	3.4S 130.7E
22	eP	NEZ	18 47 04	32.3	86	5.0	4.9S 151.9E
22	iP	NEZ	22 00 45				
23	eP	NEZ	04 24 35	38.6	33	4.6	8.1S 108.4E
23	eP	NEZ	07 10 58.3	90.4	33	4.9	41.9N 86.1E
23	eP eL	NEZ NEZ	09 07 19 19.0	30.4	63	4.9	6.5S 150.7E
23	iP	NEZ	19 57 59.0 D	88.6	33	5.5	56.0S 27.6W
23	eP	NEZ	22 22 53	36.2	66	5.7	0.1S 124.5E
24	iP eL	NEZ NEZ	01 45 02 D 55.7	30.6	33	5.5	6.3S 150.7E
24	iP	NEZ	10 48 59 U	40.2	125	6.0	6.8S 107.4E
24	iP iS	NEZ NEZ	12 49 46 D 56 54	49.7	5	6.1	13.1N 124.7E
24	iP	NEZ	12 59 25	49.7	97	5.0	13.2N 124.9E
24	eP	NEZ	14 55 25	37.5	406	4.2	24.6S 179.5W
25	iP	NEZ	08 44 24.4 D	73.2	80	5.4	26.6N 96.3E
25	iP	NEZ	09 18 40 D				
25	iP iS iSS i(SSS)	NEZ NEZ NE NE	09 30 06.5 D 34 49 38 02 39 14	34.1	610	6.2	4.3S 122.2E
25	iP eL	NEZ NEZ	19 41 08 D 20 03.5	32.1	430	5.1	5.2S 125.2E
26	iP iS	NEZ NEZ	04 16 11.9 16 14.5				Local

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Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre		
26	iP	NEZ	10 31 22.3	D	61.6	33	5.4	24.9N 122.0E
	eS	NEZ	39 50					
	eL	NEZ	46.6					
27	iP	NEZ	13 59 08.1	D	72.6	36	5.5	37.9N 138.3C
28	ePKP	NEZ	16 59 32		129	626	5.4	7.7S 71.2W
	iPP	Z	17 01 54					
28	iPKP	Z	17 07 28	U	128.7	655	5.6	8.0S 71.4W
	iPP	Z	09 51					
29	eP	NEZ	08 32 05.5					
29	eP	Z	17 07 19		89	33	5.6	55.5S 26.0W
29	eP	NZ	21 07 22		65.6	33	4.9	31.0N 141.2E
30	eP	NEZ	06 34 02		51.5	203	4.9	13.8N 120.7E
30	eP	NEZ	10 17 47		41.1	52		4.7N 126.8E
30	eP	NEZ	12 34 04		58.9	33		6.2N 93.7E
30	eP	NEZ	12 37 33		58.6	33	5.7	6.8N 94.8E
	iS	NEZ	45 38					
	eL	NEZ	52.0					
30	iP	NEZ	18 59 37	D	37.3	550	5.5	24.0S 179.9E

Seismograms read by A. Slade

D.J. Sutton, Director

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR DECEMBER 1965

Date	Phase	Time	Δ°	h (kms)	Mag.	Epicentre		
1	eP i i eL	NEZ N NE NEZ	05 01 03.5 08 46 10 44 12.2	43.1	232	5.5	18.9S 175.8W	
1	eP	NEZ	11 54 03	36.4	33	4.9	30.9S 177.9W	
1	iP	NEZ	11 55 43	62.3	33	4.7	10.6N 93.4E	
2	eP	NEZ	14 31 38	19	16		49.1S 121.4E	
2	eP	NEZ	14 49 27					
3	eP eL	NEZ NEZ	04 00 50 20.0	66.8	46	6.1	15.0S 66.8E	
3	eP	NEZ	08 44 39					
4	eP iS iPcS	NEZ NEZ NEZ	15 54 56 16 00 00 01 52	30.5	19	5.2	6.4S 150.7E	
4	iP	NEZ	18 21 01.2	U				
5	iP	NEZ	05 21 29.5	U	39.9	529	5.2	20.9S 178.5W
6	eL	NEZ	03 01.0					
6	eP eL	NEZ NEZ	04 33 45 39.0	32.5	33	5.0	2.3S 138.3E	
6	iP	NEZ	05 48 08	D	41.4	551	5.6	18.0S 178.5W
6	eL eL	NE Z	08 30.3 32.3					
7	eP	NEZ	03 47 51	49.3	40	5.2	12.0N 122.3E	
7	iP iS	NEZ NEZ	09 05 03.0 10 08	U	31.6	54	5.8	5.4S 151.3E
7	eP	NEZ	09 23 44					
7	iP iS i(SS)	NEZ EZ N	15 49 24 54 14 55 54	U	30.4	219	5.0	5.1S 145.9E
7	eP	NEZ	19 37 22.5	28.9	144		7.6S 128.0E	
7	eP iS	NEZ NEZ	20 37 03.6 37 21				Local	
8	eL eL	NZ E	18 20.0 24.0					
No records for 9th December								

Date	Phase		Time	Δ °	h (kms)	Mag.	Epicentre
10	eP	NEZ	15 22 45	75	33	6.0	40.4N 138.9E
	eS	NEZ	32 25				
10	eP	NEZ	20 31 34	28.4	33		8.4S 127.1E
11	eP	NEZ	01 01 37				Local
	i(S)	NEZ	02 08				
11	iP	NEZ	16 15 38	U	74	5.6	38.9N 130.0E
11	iP	NEZ	22 49 00	29.3	47	5.8	6.3S 131.2E
	i	NEZ	49 25				
12	iP	NEZ	07 26 06	D	30	5.9	6.9S 150.6E
	iS	N	31 24				
	eL	E	33.1				
	eL	NZ	34.0				
12	eP	NEZ	19 52 21	39.8	85	4.9	26.1S 175.9W
12	eP	NEZ	23 13 50	30	68	5.0	5.8S 147.1E
	eL	NEZ	22.0				
13	iP	NEZ	00 20 21.7	U	34.7	5.3	34.0S 179.1W
	i	E	26 16				
	eL	NEZ	30.0				
13	iP	NEZ	06 43 27.6	U	32.4	5.2	15.0S 167.2E
13	eP	NEZ	13 25 35	57.1	33	4.8	20.1N 122.0E
13	eP	NZ	16 59 39	42.7	33	4.9	7.9N 137.0E
13	iP	NEZ	19 19 38.5	U	33.9	5.3	10.7S 165.0E
14	eP	NEZ	02 11 37	85	33		54.3S 2.4W
	eL	NEZ	34.0				
15	iP	NEZ	05 13 45.9	U	38.8		2.3N 126.6E
15	eP	NEZ	23 19 17				
16	eL	NEZ	02 37.0				
16	iP	NEZ	04 03 04.5	D	42.6	5.6	5.9N 125.3E
16	eP	NEZ	04 18 33				7.8S 117.4E
	iS	NEZ	19 14				
17	eP	NEZ	01 15 30	33.4	33		45.4N 150.1E
17	eP	NEZ	05 30 49.5	80.6	17	5.3	45.4N 150.1E
17	eL	NEZ	06 52.0				
No records for 18th, 19th, 20th							
21	iP	NEZ	19 32 11.1	D	49.7	5.5	13.0N 124.5E
22	eL	NEZ	05 18.0				

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Date	Phase	Time	Δ °	h (kms)	Mag.	Epicentre		
22	iPKP i	NEZ NEZ	08 20 47.1 20 53	U	150.5	115	5.6	18.4N 68.8W
22	iP	NEZ	12 04 43	D	38.5	600	5.0	22.2S 179.7W
22	iP	NEZ	18 35 48	D	43.5	384	4.9	7.2N 126.8E
23	iP ipP i i	NEZ NEZ NEZ NZ	07 41 55 42 23 47 31 54 15	D	29	111	5.0	7.1S 129.4E
24	iP	NEZ	18 52 15	U	33.2	93	6.1	4.4S 153.1E
24	iP i	NEZ NEZ	19 35 12.4 57 28	D	55.1	141	5.4	3.9N 96.9E
25	iP	NEZ	01 16 37	U	44.6	62	5.5	8.2N 126.0E
25	eP	NEZ	07 20 50					
25	iP	NEZ	08 08 27	D	31.5	35	5.1	9.9S 159.8E
No short period EW record for 26th								
26	eP iS	NZ NZ	04 01 02 01 13.5					Local
26	eP	Z	14 43 05		87.8	136	5.7	51.8N 156.8E
27	iP iS i(ScS) iSS eL	NEZ EZ E EZ NEZ	17 52 10 59 14 18 01 58 02 59 04.0	D	49.4	33	5.9	12.9N 125.4E
28	iP iPP iS eL	NEZ Z NEZ NEZ	16 22 44.5 24 35 27 56 31.4	D	38.6	611	6.2	22.1S 179.6W
29	iP	NEZ	23 06 28.5	D	41.8	493	4.9	17.2S 178.7W
29	iP	NEZ	23 29 10.0	D	32.5	50	5.2	6.2S 155.5E
30	eP	NEZ	11 25 57					
30	eP i eL eL	NEZ E NE Z	13 17 15 31 30 33.0 35.0		47.3	100	4.9	12.4N 142.0E
30	iP	NEZ	15 37 45.4	U	65.6	261	5.4	31.3N 138.8E
30	eP	NEZ	21 28 45					
30	iP	NEZ	21 37 28.6	D	37.8	547	5.2	23.3S 179.9W
No records for 31st								
31	eP	NEZ	23 20 00		33	77	5.1	4.6S 153.0E