

Adelaide  
Jan - March  
1966



# 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

THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

BULLETINS FOR JANUARY-MARCH 1966

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR JANUARY

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
1	iP	NEZ	06 00 09.0 U				
1	eP Lq LR	NEZ NE NEZ	12 30 30 35.5 38.5	29.1	33	5.6	9.7S 154.7E
1	Lq LR	NE NEZ	16 21 0 24.0				
2	eP eL	NEZ NEZ	03 31 37 41.0	29.9	52	4.6	6.4S 148.6E
2	eP	NEZ	04 14 52	65.9	394	5.2	31.3N 138.2E
2	iP	NEZ	18 48 26 D	37.6	525	5.1	23.4S 180.0W
2	e(P)	NEZ	20 35 00				
No short period records for 3rd Dec.							
4	eP	NEZ	07 57 21	62.2	33	5.1	11.8N 95.0E
5	iP	NEZ	03 13 37.6 U	49.5	33	4.5	12.8N 123.9E
5	eP eS Lq LR	NEZ NEZ NE Z	17 32 09 40 30 47.0 50.0	63	37	5.3	13.2N 95.5E
5	eP	NEZ	18 19 44	56.9	34	5.6	21.8N 146.6E
6	eL	NEZ	05 11.0				
7	eP iS	NEZ NEZ	11 39 38 40 43				Local
7	eP Lq LR	NEZ NE Z	15 04 09 13.0 15.5	32.3	47	5.3	5.2S 152.6E
7	e Lq LR	E E NZ	20 28 14 29.3 30.6				
8	eP	NEZ	01 15 05	52.5	58	4.7	15.7N 123.0E
8	iP	NEZ	04 14 21 D	37.5	387	4.6	25.4S 179.1W
8	eP	NEZ	22 15 51				
9	iP Lq LR	NEZ NE Z	03 11 12.0 D 21.0 23.0	37.5	39	5.6	5.4S 113.6E
9	iPKP	NEZ	09 31 03.5 U	149.8	156	5.1	11.5N 62.3W
9	eP	NEZ	12 13 54				
9	eP eS	NEZ NEZ	22 21 29 22 08				Local

2.

JANUARY

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
10	eP ipP	NEZ NEZ	01 28 04.5 28 31	51.5	134	5.5	13.9N 120.8E
10	eP iS eL	NEZ NE NEZ	16 18 35 23 44 28.0	31.8	64	5.2	6.6S 154.5E
11	iP	NEZ	03 18 22 U	39.7	33	6.0	0.7N 120.2E
11	eP i(S) eL	NEZ NEZ NEZ	14 27 31 36 34 44.0	66.9	33	5.3	33.7N 137.2E
13	eP	NEZ	09 09 30.5				
13	eL	NEZ	11 28.0				
14	iP	NEZ	07 45 18 D	30.2	78	5.4	6.0S 148.3E
14	eP Lq LR	NEZ NE Z	20 47 19 54.0 56.0	30.5	33	5.4	17.4S 166.7E
15	eP	NEZ	07 19 05	42.6	64		6.1N 126.2E
16	i Lq LR	NEZ NE Z	00 25 40 30.5 32.6				
16	iP	NZ	07 18 09.5 D	61	33	5.2	9.2N 93.8E
16	iP	NEZ	12 54 57 D				
16	eP	NZ	14 36 59				
17	iP	NEZ	17 56 48.5 U	40	54.3	5.7	20.8S 178.5W
18	eP	NZ	04 03 15	41.7	565	4.0	17.6S 178.6W
18	iP	NEZ	06 34 28.8 U	42	364	5.3	18.6S 177.8W
18	eL	NZ	08 17.0				
18	eP i eL	NEZ NEZ NEZ	20 25 50 31 28 34.0	32.2	54	5.5	2.6S 138.8E
18	e(P)	NZ	22 51 58				
19	iP	NEZ	13 52 49.5 D	40	593	4.7	20.7S 178.5W
20	iP iS Lq LR	NEZ NEZ NE NEZ	04 34 20 D 39 40 41.5 43.3	32.9	28	5.5	15.1S 168.0E
20	eL	NEZ	05 52.0				
20	iP	NEZ	07 53 32.0 D				

3.

JANUARY

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
20	eP NEZ	09 00 14				
20	eP NEZ	10 46 45				
	e E	55 24				
	eL NZ	11 01.0				
20	e(P) NEZ	11 33 34				
20	eL NEZ	15 25.0				
21	iP NEZ	01 38 43.9	D 37.4	611		23.6S 179.8E
21	iP NEZ	16 46 58	D			
22	iP NEZ	04 06 11.5	D			
	eL NEZ	11.5				
22	iP NEZ	11 08 04	U 41.5	598	5.3	17.9S 178.5W
22	eS NE	14 53 30	107.2	33	5.8	56.0N 153.7W
	e NE	15 00 14				
	e NEZ	05 10				
23	eP NEZ	21 07 43	29.2	126	4.6	7.3S 128.2E
24	eP NEZ	07 36 17	91.6	12	5.8	29.9N 69.7E
24	eL NEZ	08 03.0				
24	eP NEZ	10 54 55	38.6	282	5.3	0.3N 123.3E
24	eP NEZ	17 04 40				
24	iP NEZ	21 51 09.5	U 30.6	457	4.1	6.9S 125.1E
	i NEZ	52 30				
25	e(P) NEZ	03 09 57				
25	iP NEZ	04 17 58	D			
25	eP NEZ	07 14 28				
25	iP NEZ	18 13 39.0	D 41.3	42		1.6N 117.8E
	e N	20 06				
	e NEZ	23 12				
	eL NEZ	25.6				
25	eP NEZ	21 19 37				
26	iP NEZ	01 12 43.5	D 85	80	5.6	59.6S 26.3W
26	eL NEZ	01 41.5				
26	iP NEZ	04 27 25.0	D 38	238		7.1S 110.4E
26	eP NZ	11 27 59.5	57	38	5.3	19.9N 121.3E
26	iP NEZ	15 37 00	33	207	4.8	14.3S 167.3E
26	e(P) NEZ	17 42 25				
27	iP NEZ	02 08 35.0	D 41.5	600	5.1	17.9S 178.6W

JANUARY

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
27	Lq	NE	10 15.8				
	LR	NEZ	17.0				
27	iP	NEZ	23 52 09.0 U	33.2	206	4.4	13.8S 167.3E
28	iP	NEZ	04 43 20.5 U	38.2	558	5.6	17.5S 176.9E
	ipP	Z	44 55.8				
	ePPP	EZ	46 00				
	i	EZ	47 16				
	iS	NEZ	48 34				
	i	EZ	49 10				
	iSS	EZ	51 34				
	eL	NEZ	52.0				
28	iP	NEZ	09 34 33.7 D	41.5	574	5.4	17.9S 178.5W
28	iP	Z	22 50 50.8 D	87.7	107	5.6	51.6N 157.0E
No short period N.S. records for 29th and 30th							
29	eL	NEZ	00 25.0				
29	eP	EZ	06 14 53				
29	Lq	NE	06 38.0				
	LR	Z	40.0				
30	eL	NEZ	11 21.6				

Seismograms read by A. Slade

 Dr. D.J. Sutton  
 Director

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR FEBRUARY

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
.2	eP	NEZ	05 42 22	45.9	33	5.2	17.8S 173.2W
	eS	E	49 22				
	eL	NEZ	52.0				
2	eP	NEZ	17 17 57	41.2	231		21.6S 176.7W
3	iP	NEZ	05 55 11.1	37.6	131	5.9	0.1N 123.5E
	i(PP)	NEZ	56 37.5				
	iS	NEZ	06 00 52				
	eL	NEZ	03.0				
3	iP	NEZ	12 07 57 U	54	69	5.8	16.6N 120.0E
3	eP	NEZ	17 22 34				
3	eP	NEZ	17 31 25	61.2	55	4.9	24.4N 121.7E
3	eP	NEZ	18 07 55	60.8	38	4.8	24.1N 122.0E
No short period vertical record for 4th, 5th and 6th							
4	eL	NEZ	04 26.0				
4	eL	N	05 26.0				
	eL	EZ	27.0				
4	iP	NE	10 45 26 D	32.3	190	6.0	15.9S 167.9E
	i	NEZ	46 18				
	iPP	NEZ	46 36				
	e	EZ	48 12				
	iPcP	E	48 40				
	i	E	49 07				
	iS	NEZ	50 24				
	eL	NEZ	52.8				
	i	NE	55 35				
4	Lq	NE	15 57.6				
	LR	EZ	59.9				
4	eP	NE	20 23 11				
4	eP	NE	20 48 43	16.1	33	5.3	45.9S 123.0E
	iS	NEZ	51 40				
	eT	NE	21 02 47				
4	eL	NEZ	22 31.5				
5	e	NE	02 57 30				
	eL	NEZ	03 01.5				
5	iP	NE	15 23 40.8 D	69.5	15	6.1	26.1N 103.1E
	iPcS	Z	28 04				
	iS	NEZ	32 48				
	iScS	NEZ	33 46				
	eL	NE	37.6				
	eL	Z	38.3				
5	eP	NE	16 28 33	86	98	5.0	50.2N 155.1E



2.

FEBRUARY

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre	
5	Lq LR	NE Z	23 27.5 30.1				
6	eL eL	NZ E	10 38.5 40.2				
7	eP i i	NE N NE	01 11 44 12 39 12 45			Local	
7	iP e eScS e i eSS i(SSS) i eL	NEZ E NE Z E NEZ Z E NEZ	04 39 21.0 D 49 58 50 22 52 32 55 58 56 33 05 00 30 13 18 15.2	91.5	33	6.0	29.8N 69.7E
7	eP	Z	05 43 23	91.5	48	5.3	30.0N 69.6E
7	iP	NEZ	07 22 49.3 D	32.7	58	4.4	10.3S 162.3E
7	eP	NEZ	12 28 47				
7	eP i iS	NEZ NEZ NEZ	13 44 17 44 51.5 49 56.5				
7	iP iS e i eL eL	NEZ NE E N E N	23 19 45.0 D 30 48 35 46 37 06 42.7 43.4	91.6	10	5.8	30.2N 69.8E
8	e(P)	NEZ	09 10 23				
8	iP	NEZ	10 08 57.8 U	39.8	525	5.1	21.2S 178.5W
8	e eL	Z EZ	18 04 14 11.0				
8	eP	Z	20 57 39	41.5	39	4.8	5.0N 126.0E
9	eL	NEZ	01 58.0				
9	iP i i i iSKS iSS iSSS i i Lq LR	NEZ NZ NZ NZ NEZ EZ EZ EZ NE NEZ NZ	04 53 16.3 U 53 38 56 15 57 08 05 03 42 09 32 13 20 14 28 16 18 21.5 25.0	87.7	27	5.9	56.7S 25.7W

3.

FEBRUARY

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
9	iP i i e	NEZ NEZ NEZ NEZ	07 25 15.1 U 26 28 31 31 32 30			
9	iP Lq LR	NEZ NE Z	08 23 38 D 38.5 40.0	55.3	33	4.9 2.0N 94.5E
9	iP	NZ	10 59 43.5 D	87.8	33	5.6 56.6S 25.3W
9	eL	NEZ	11 33.0			
9	eL	NEZ	15 38.0			
9	eL	EZ	16 09.0			
9	eL	NE	21 42.0			
10	eP eS Lq LR	NEZ NEZ NE Z	01 31 16.9 37 04 39.8 41.8	36.2	33	4.7 29.9S 178.5W
10	eP e	NZ NEZ	05 39 57 48 42	65.7	33	5.3 31.1N 141.6E
10	e eL	E NZ	05 56 10 06 03.0			
10	iP iS	NEZ NEZ	06 35 01.5 D 35 23			Local
10	eP iS i(ScS) eL eL	NEZ NEZ NE NZ E	14 30 45 38 26 40 32 43.0 44.2	56	43	6.2 20.8N 146.3E
11	eP	NEZ	06 45 13			
11	eP i	NEZ NEZ	13 16 51 21 25	32.3	55	4.9 2.5S 139.7E
11	eP	NEZ	14 39 01.5	41	33	4.7 4.4N 125.9E
12	iP	NEZ	00 02 08 U	47.6	33	4.8 12.8N 141.8E
12	eP	NEZ	11 13 27			
12	iP	NEZ	11 47 14	44.3	190	5.6 18.3S 174.8W
12	eL	NEZ	20 33.0			
12	eP	NEZ	23 44 28	33.5	36	5.5 3.7S 152.0E
13	eP	Z	05 10 19			
13	iP iPP	NEZ NEZ	05 11 45.5 D 15 45	100	0	6.3 49.8N 78.1E Explosion Eastern Kazakh

4.

FEBRUARY

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre	
13	iP e eL	NEZ NEZ NEZ	06 41 56 D 47 36 51.2	28.8	12	5.9	6.6S 132.6E
13	iP	NEZ	09 25 19 U				
13	eP eS e e	NEZ NE NE Z	10 55 48 11 04 30 13 00 20 08	69.5	33	5.7	26.1N 103.2E
13	eP	NEZ	14 48 24				
13	eP	NZ	15 14 34	48.7	57	4.8	12.2N 125.2E
14	iP	NEZ	01 47 19 U				
14	iP iS eT	NEZ NEZ NEZ	06 16 27.5 D 19 24 30 12	15.7	33	5.0	50.7S 139.7E
14	eP	NEZ	08 38 24	31.1	98	4.8	22.3S 171.3E
14	eP	NEZ	16 42 28				
15	iP	NEZ	01 44 03 D	45.6	91		9.3N 126.0E
15	iP	NEZ	08 55 46 D	44	109		7.7N 126.4E
15	eP eL eL	EZ N EZ	10 04 17 13.8 16.0	41	33	5.0	22.7S 176.2W
15	iP iS	NEZ NEZ	10 41 51 42 12				Local
15	iP	NEZ	12 12 47 D	41.5	544		17.7S 178.7W
15	iP	NEZ	22 20 47.0 D	34.9	595	4.9	26.6S 178.3E
15	iP iS i	NEZ NEZ Z	22 40 10.0 D 44 58 45 14	34.9	593	5.6	26.5S 178.2E
16	iP	NEZ	00 33 15 D				
16	iP ipP i i iS eL	NEZ E N N NEZ NEZ	03 24 46 U 25 00 25 05 28 50 29 52 30.5	31.2	31	6.5	17.7S 167.9E
16	eP i e(SS)	NEZ NEZ NEZ	06 10 15 10 49 16 50	29.1	171		7.0S 129.3E
17	iP	NEZ	01 57 28.5 U	39	233		0.4N 122.0E

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
17	iP	NEZ	02 16 58.6 U	42	338	4.8	19.4S 177.0W
17	iP	NEZ	11 56 48.2 U	49.2	33	6.4	32.2S 78.9E
	iS	NE	12 03 56				
	isS	NEZ	04 12				
	Lq	N	07.2				
	i	NEZ	07 44				
	LR	EZ	11.0				
17	iP	NEZ	12 51 48.2 U	49.2	33	5.7	32.2S 79.0E
17	iP	NEZ	18 27 02.0 D	37.6	548	5.6	23.5S 179.9W
17	eP	NEZ	20 53 42	42.8	33	5.6	6.1S 104.3E
No long period records for 18th							
No short period E.W. record for 18th							
18	eP	NZ	05 05 40	40	480	4.3	21.3S 1 178.3N
18	iP	NZ	07 07 06.5 U	43.9	57	5.5	6.9N 124.0E
18	iP	NZ	20 59 33.4 D				
19	iP	NEZ	01 21 37.5 U	29.6	36	5.2	8.8S 123.6E
20	eP	NEZ	05 51 33				
20	iP	NEZ	06 18 53 D	41.5	583	17.9S	178.5W
20	eP	NEZ	20 10 51	37.5	353	4.8	25.9S 178.8W
20	eP	NEZ	21 43 21	30.7	62	4.8	5.2S 130.1E
No long period records for 21st							
21	iP	NEZ	00 35 24 D	89	33	5.9	55.6S 26.9W
21	eP	NEZ	00 41 27	89	9	5.5	55.7S 26.7W
21	eP	NEZ	03 52 03	33	33		1.8S 138.3E
21	eP	NEZ	05 29 17				
21	iP	NEZ	09 38 28 U	42.2	80	4.9	6.9N 124.1E
21	iP	NEZ	11 30 30 D	40.5	144	4.6	6.6S 107.2E
21	iP	NEZ	13 28 58.6 U	62.2	103	5.6	26.3N 125.7E
21	iP	NEZ	16 52 15.1 D	37.6	188	4.8	0.1N 123.5E
22	iP	NEZ	05 09 00 U	31.5	28	6.2	5.4S 151.5E
	i(PP)	EZ	10 18				
	iS	NEZ	14 06				
	eL	NEZ	16.3				
22	eP	NEZ	18 24 55	31.5	58	5.5	5.6S 151.5E
	iS	NEZ	30 00				
	e	NEZ	32 28				
	eL	NEZ	33.5				

6.

FEBRUARY

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
No short period records for 23rd						
*						
25	eL NEZ	03 28.5				
25	iP NEZ	14 17 03.5 U	30.3	24	4.9	5.5S 130.3E
	i NEZ	17 36				
	iS NEZ	22 51				
	eL NEZ	25.6				
25	eP NEZ	22 59 19	47.3	33	5.5	15.1S 173.2W
	iS NE	23 06 11				
	i(ScS) N	09 18				
	i E	09 46				
	eL N	10.9				
26	iP NEZ	05 12 51.0 D	33.4	33	4.7	1.7S 133.6E
	e NEZ	26.0				
26	iP NEZ	10 54 57.0 U	32.8	161	4.0	14.6S 167.3E
26	eP NEZ	11 30 13	47	127	4.9	15.4S 173.4W
	i E	37 38				
	e N	39 46				
	iScS EZ	41 00				
	i N	42 54				
	eL NEZ	44.5				
26	eP NEZ	16 24 07				
27	iP NEZ	16 32 43 D	34.3	502	5.0	30.7S 179.5E
27	iP NEZ	20 31 38.8 U	30.4	123	5.0	5.8S 148.5E
	e NEZ	40 48				
	eL NEZ	44.0				
28	iP NEZ	02 13 51.0 U	78.3	225	5.5	43.7N 139.6E
28	eP NEZ	13 46 14	64.3	33	5.5	29.2N 130.1E
	eL E	14 07.0				
	eL NZ	09.0				
28	eP NEZ	17 59 06	30.8	106		21.7S 170.5E
28	eP NEZ	19 10 40	45.4	54	4.6	9.2N 126.5E
28	eP NEZ	21 10 24	33.5	33	4.7	1.3S 138.4E

Seismograms read by A. Slade

 Dr. D.J. Sutton  
 Director

* 24	iP NEZ	20 15 01.1 U	29.8	59	5.5	6.1S 147.4E
	iS N	19 52				
	eSS EZ	21 14				
	eL NEZ	24.0				

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR MARCH

Date	Phase	Time	$\Delta^\circ$	<sup>h</sup> (kms)	Mag.	Epicentre	
1	eP iS	NEZ NEZ	12 42 51 43 11			Local	
1	iP	NEZ	23 21 26.0 U	87.6	33	6.0	56.9S 26.8W
2	eP iPcS iSSS eL eL	NEZ E Z E NZ	07 31 28 38 28 39 16 41.8 42.0	33	41	5.9	2.9S 129.8E
2	iP i i eL	NEZ NE E NEZ	17 38 48.0 D 48 20 48 40 51.0	29.8	50	5.3	5.4S 133.9E
2	eL	NEZ	20 32.0				
3	iP	NEZ	03 37 56.0 D	84	45	5.9	48.3N 154.3E
3	eL	NEZ	04 05.0				
4	eP	NEZ	03 54 27	37.7	370	4.5	25.2S 178.9W
4	iP	NEZ	05 25 26.0 D	33.5	33	5.1	1.9S 139.0E
4	eP i i	NEZ NEZ NEZ	22 25 57 26 41 32 17	30.1	294	4.2	6.3S 128.5E
5	iP eL	NEZ Z	00 05 17.0 U 11.0	31.4	27	6.1	38.8S 177.9E
5	eP	NEZ	02 52 20	43.2	62	5.2	6.1N 123.8E
5	eP eL	Z NEZ	15 52 17 16 02.5	37.7	33	5.4	17.6S 176.2E
5	eP	NEZ	22 57 26	42.3	40	5.1	21.5S 175.3W
6	iP	NEZ	00 17 47.5 D	45.8	93	5.1	9.5N 126.2E
6	iP	NEZ	02 23 34.5 D	85.8	35	5.4	31.6N 80.5E
6	iP iPP iPPP iS iPS iSS i eL	NEZ NZ Z NEZ NEZ NEZ E NEZ	02 28 33.0 D 31 54 33 54 39 06 40 15 44 20 47 32 50.0	85.8	44	6.1	31.6N 80.5E
6	iP	NEZ	13 24 47.5 D				
6	eP	NEZ	17 47 52	45.8	80	4.8	9.6N 126.5E

2.

MARCH

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
6	eP	NEZ	18 09 21	39.8	33	5.4	24.1S 176.9W
	iS	NEZ	15 16				
	eL	NEZ	18.6				
7	iP	NEZ	02 42 15.6 D	40.2	601	4.9	20.5S 178.4W
7	eP	NEZ	04 38 30	88.6	106	5.4	56.0S 27.5W
7	eP	NEZ	21 40 59.4	75.2	33	5.8	37.2N 114.8E
	iS	NE	50 38				
	Lq	NE	52.0				
	LR	NE	55.9				
7	eP	Z	22 47 40	74.3	17	5.2	29.2N 98.6E
8	eP	NEZ	01 20 13	32.8	37	5.8	13.9S 166.6E
	iS	NZ	25 32				
	i	EZ	26 48				
	eL	NZ	28.0				
8	iP	NEZ	05 48 25.6 U	38.5	33	5.9	1.9N 126.4E
	iS	NEZ	54 14				
	i	NEZ	56 02				
8	eP	NEZ	06 07 26	38.3	33	5.5	1.7N 126.4E
8	iP	NEZ	12 26 36.5 D	38.5	78	5.5	1.9N 126.4E
8	eP	NZ	18 45 47	38.5	6	4.8	1.9N 126.1E
No long period vertical record for 9th							
9	iP	NEZ	23 21 05.8 U	39.1	148	5.6	7.4S 108.4E
	i(S)	NE	26 53				
	i	NEZ	29 13				
	eL	NEZ	31.0				
No long period vertical records for 10th, 11th, 12th, 13th							
10	eP	NEZ	04 22 35				Local
	iS	NEZ	23 23				
10	iP	NEZ	04 36 33.5 U	66.8	382	5.6	32.2N 137.5E
	i	NEZ	38 02				
10	iP	NEZ	12 22 41.8 U	42	320	5.5	19.3S 177.0W
10	eP	NEZ	12 49 10	38.4	62	4.8	1.7N 126.2E
	iPP	NEZ	50 40				
11	eL	NEZ	08 24.0				
12	iP	NEZ	16 41 29.5 D	60.7	63	6.7	24.1N 122.6E
	iS	NEZ	49 50				
12	eP	NEZ	16 57 59	60.6	33		24.0N 122.7E
12	eP	NEZ	17 03 22	60.5	78		23.8N 122.5E
12	eP	NEZ	17 10 38				

3.

MARCH

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
12	iP NEZ	18 09 45.0 U	61	83	5.7	24.4N 122.8E
12	eP NEZ	21 02 11.0	61.5	79	5.0	25.0N 122.4E
13	eP NEZ	00 59 30	60.6	62	4.9	24.0N 122.4E
13	eP NEZ	08 12 53.5	60.8	75	4.9	24.1N 122.3E
13	iP NEZ	15 03 54.5 D	60.4	51	5.0	23.8N 122.7E
13	eP NEZ eL NE	16 20 59 31.0	31.5	33	5.2	8.9S 119.4E
13	e N eL NE	18 18 06 25.5				
13	eP NEZ	18 48 31	42.4	65	5.2	20.9S 175.4W
14	iP NEZ	09 31 57.8 U	60.5	43	4.8	23.8N 122.3E
14	eP NEZ	13 25 59	37	90		0.2N 125.0E
14	iP NEZ	22 04 54.1 U	37	37		0.5N 125.5E
No short period records for 15th						
16	eL NEZ	12 31.0				
16	eP NEZ iS NE i NE iSS NE e NE eL NE eL Z	20 46 54 53 44 56 40 57 16 21 00 18 02.0 06.0	47	24	5.4	9.5N 121.9E
17	eP NEZ eS N Lq NE LR Z	04 04 44 10 35 12.5 15.0	38.5	79	5.4	2.0N 126.4E
17	eP NEZ	08 13 33	30.6	33	5.0	8.2S 122.3E
17	eP NEZ	08 47 09	46.8	80		9.4N 122.1E
17	e(P) NEZ	09 56 35				
17	iP NEZ iPP EZ iPPP EZ iPcP EZ iS NEZ iSS NEZ i NEZ i E i EZ iScS NZ	15 57 11.8 D 58 56 16 00 06 01 34 02 28 05 46 06 10 09 24 09 40 10 22	39.3	626	6.2	21.2S 179.2W
17	iP NEZ	19 45 29.6 U	38.5	57	5.7	1.8N 126.1E
18	eP NEZ	10 00 15				
18	eP EZ e NEZ	15 31 27 38 35				



4.

MARCH

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
18	eP NEZ	20 52 29	30.7	78	5.1	20.7S 169.7E
19	e(P) NEZ	09 48 50				
19	eP NEZ e(S) NEZ eL NEZ	13 48 47 54 10 56.0	31.6	33	5.4	9.4S 159.2E
19	iP NEZ	15 09 44.8 D	60.5	42	5.7	23.8N 122.5E
19	iP NEZ	16 35 37.6 D	37.1	510	4.8	24.4S 179.9E
19	iP NZ eS E	17 28 36.0 U 38 38	77.9	33	5.4	52.7S 19.9E
19	eL NEZ	23 01.5				
No readings for 20th and 21st						
22	iP NEZ	08 23 19.0 U	75.2	11	6.0	37.5N 115.0E
22	iP NEZ iS N i EZ i(SS) NEZ iSSS N Lq EZ LR NEZ	08 31 17.0 U 40 54 41 00 46 12 48 54 49.9 53.1	75.2	33	6.0	37.5N 115.1E
22	eP NEZ	08 57 40	75.2	40	5.8	37.3N 115.1E
23	iP NEZ	00 14 40.9 D	60.4	51	6.3	23.8N 122.8E
23	iP NEZ	11 27 24.0 U	35.4	44	4.8	32.8S 178.5W
23	iP NEZ	17 39 43.5 D	75.4	33	5.2	37.5N 115.0E
23	iP NEZ	21 57 07 D				
24	iP NEZ e NEZ	01 04 13 D 10 17	30	35		5.8S 130.7E
24	eP NEZ	04 12 26	41.4	191	5.2	21.5S 176.4W
24	e(P) NEZ	04 17 54				
24	iP NEZ iS NE i NEZ eL NE eL Z	08 34 25.2 U 39 42 40 54 42.5 43.6	33.1	43	5.2	13.7S 166.8E
24	iP NEZ eL NEZ	11 17 35.5 U 27.0	34.8	50	4.9	12.3S 167.3E
24	eP NEZ eL E eL NZ	13 10 10 21.0 23.5	32.2	13		2.6S 140.4E
24	iP NEZ eL NEZ	20 09 12.6 D 19.5	34.4	75	5.0	9.2S 113.5E
25	iP NEZ e NEZ	09 03 17 D 12 32	32.8	51	5.4	2.0S 139.0E

5.

MARCH

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
25	iP e	NEZ NEZ 11 24 15.0 U 35.0	31	33	4.9	8.1S 121.8E
25	iP	NEZ 13 09 02	85.6	24	4.8	58.8S 25.2W
25	e eL eL	NEZ N EZ 13 42 52 50.6 51.5				
26	eP	NEZ 13 19 11				
26	eP	NEZ 14 18 51	57.1	12	5.2	19.8N 120.7E
26	iP iS iSS i eL	NEZ NE NE Z NEZ 15 30 46 D 40 30 45 40 49 26 52.7	75.5	33	5.5	37.6N 115.2E
26	eP	NEZ 18 26 05	75.4	33	4.9	37.7N 114.9E
26	eP	NEZ 22 19 28	30.8	110	5.0	5.7S 149.3E
27	eP i	NEZ NEZ 02 05 07 10 51	29.1	113	4.6	6.9S 129.8E
27	eP Lq LR	NEZ NE Z 03 38 33 50.0 54.0				
27	iP	NEZ 13 34 33.6 U	42.4	376	4.9	5.4N 124.7E
27	eL	NEZ 20 04.0				
28	ePKP	NEZ 15 48 22	126.4	19	5.1	3.9S 80.9W
28	iP eL	NEZ NEZ 15 55 02.5 D 16 28.5	52.5	218	5.5	17.4N 145.6E
28	ePKP	EZ 18 01 47	126.4	52	5.3	4.0S 80.8W
28	eP i i eL	NEZ NEZ NEZ NEZ 18 44 42 46 34 50 24 19 01.5				
29	iP iS i i eL	NEZ NEZ Z N NEZ 02 27 28 U 35 22 42 09 42 21 46.0	58.4	79	5.9	23.7N 142.1E
29	iP	NEZ 06 23 41 D	75.3	34	5.5	37.4N 114.9E
29	eL	NEZ 06 55.0				
29	e(P)	NEZ 07 33 49				
29	eP	NEZ 10 50 06	43.1	95	5.1	20.0S 175.3W
29	eL	NE 17 54.0				

MARCH

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
30	eP e	NEZ Z	01 33 01 44 11	32.3	40	5.2	10.3S 161.6E
30	e e	NE Z	04 57.0 05 05.0				
30	eL	NEZ	13 30.5				
30	eL eL	NZ E	21 00.0 01.0				
31	eP i eL	NEZ NEZ NEZ	05 12 21 17 22 19.0	32.2	34	5.4	17.3S 167.8E
31	eP eL	NEZ NEZ	14 40 19.5 52.0	35.3	33	5.0	33.1S 178.5W

Seismograms read by A. Slade

Dr. D.J. Sutton  
Director

Adelaide

Apr - June 1966



# 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

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR APRIL 1966

Date	Phase		Time	$\Delta^\circ$	<sup>h</sup> (kms)	Mag.	Epicentre
1	eP	Z	03 46 07	85.8	33	5.8	53.5S 3.1W
	iS	NE	56 44				
	iSS	NE	04 02 26				
	eL	NE	08.8				
	i	NE	14 20				
1	eP	NEZ	05 27 15	30.6	112	6.1	5.8S 149.1E
No long period records for 3rd							
4	eP	NEZ	06 52 46	64	33	5.0	12.1N 92.7E
	eL	NE	07 09.0				
	eL	Z	12.0				
4	eP	NEZ	12 42 37				
	eS	NEZ	48 21				
4	eL	E	16 47.0				
	eL	NZ	49.0				
5	iP	NEZ	12 02 57.5	24.4	5	5.6	55.1S 158.4E
	iS	NE	07 30				
	i	NE	09 30				
5	eP	NEZ	19 05 59	30	61	5.2	5.9S 147.6E
	eL	NEZ	17.0				
6	iP	NEZ	03 05 43.5	33.8	33	5.8	45.8S 96.1E
	iS	NEZ	11 13				
	iSSS	NEZ	13 55				
	eL	NEZ	14.7				
	eT	NEZ	38 53				
6	eP	NEZ	19 51 35	31.4	113	5.3	22.3S 171.7E
	eL	NEZ	58.5				
6	iP	NEZ	20 13 46.0				
6	eP	NEZ	21 02 09	30.2	33	4.9	5.1S 133.7E
	eL	NEZ	11.5				
6	iP	NEZ	22 01 22.4	45.2	69	5.8	8.9N 126.4E
6	eL	NE	23 13.5				
	eL	Z	16.0				
7	eP	NEZ	00 21 32	33.3	35	5.1	1.8S 134.2E
	i	NZ	32 52				
	i	NZ	35 18				
7	iP	NEZ	09 52 47.8	61.7	46	5.7	26.1N 127.4E
	e	NEZ	10 15.0				
7	eP	NEZ	13 24 30				
7	eL	EZ	14 58.0				

APRIL

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
8	iP eL	NEZ NEZ	01 59 29.0 D 02 15.0	87.4	47	5.9	51.2N 157.7E
9	iP e	NEZ NEZ	14 55 53.5 U 15 06.0	32.8	47	5.4	14.1S 166.7E
9	iP iS	NEZ NEZ	20 08 38.0 U 14 48	41.8	133	5.6	5.4N 126.0E
10	eP	NEZ	05 29 21				
10	eP	NEZ	10 16 15	47.5	63	4.6	10.1N 122.1E
10	e(P)	NEZ	21 00 55				
13	eL	NEZ	04 21.0				
13	iP	Z	04 34 25 D	37.6	550	5.2	23.6S 179.9W
13	eP	NEZ	15 31 04	29.4	15	4.8	7.1S 127.9E
14	iP	NEZ	16 43 08.5 U	56.3	30	4.9	4.8N 96.2E
14	eL	NEZ	19 31.0				
16	e e e	NE NE Z	02 00 24 12.5 16.0				
16	iP	NEZ	02 31 32 D	37.7	198	5.4	0.1S 123.0E
16	ePKP	NEZ	11 51 56	149.8	46	4.1	19.0N 70.4W
16	iP i	NEZ NEZ	15 30 18.9 D 35 17	40	511	5.4	21.1S 178.6W
16	eP	NEZ	18 17 19				
17	eP	NEZ	02 22 00	41.7	555	3.5	17.9S 178.3W
17	eP	NEZ	05 39 09	68	84	4.5	33.6N 141.0E
17	iP	NEZ	06 09 18.9 U	57.6	194	4.6	20.7N 122.0E
17	eL	NEZ	06 58.0				
17	eP	NEZ	08 41 43				
17	iP	NEZ	13 15 56.5 D	35.2	650	4.7	26.0S 178.4E
18	eP	Z	08 27 50	97.6	57	5.4	12.9N 48.3E
18	eP eL	NEZ NEZ	09 14 37 23.0	32	32	4.9	10.6S 161.6E
18	iP	NEZ	12 04 23	48.9	119	4.8	13.9N 144.5E
No Long Period EW record for 19th							
19	eP	NEZ	10 02 39				

APRIL

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
19	iP NEZ	18 05 22.0 D	42.1	70	5.0	5.9N 126.9E
19	iP NEZ i(S) NEZ e NZ eScS NZ	19 34 21.4 D 39 34 43 30 45 48	28.2	33	5.1	7.8S 130.0E
20	eP NEZ eL NEZ	02 42 17 59.0	54	12	5.0	18.8N 147.0E
20	eP NEZ eS NE e E eL NEZ	06 10 04 17 42 24 10 26.45	54	33	5.1	18.9N 146.8E
20	eP NEZ	06 52 22	54	47	5.0	18.8N 146.98E
20	iP NEZ iS NEZ i N i E Lq NE LR Z	16 35 42.0 U 43 21 47 24 49 26 51.3 53.3	54	55	5.4	18.8N 146.9E
21	e NEZ	16 04 56				
21	iP NEZ	16 19 42.0 U	40.6	511	4.5	20.4S 178.0W
22	eL NEZ	03 53.0				
22	eL NEZ	13 01.0				
22	eP NEZ iS NEZ	13 27 51 29 18				Local
22	eP NEZ	15 45 54				
22	iP NEZ	17 02 10.8 U	41.6	542	4.2	18.0S 178.4W
23	iP NEZ i(pP) NEZ iPP Z i Z eL Z	00 16 42.5 D 16 49.5 18 12 23 42 24.9	37	45	6.0	0.9S 122.4E
23	iP NEZ eS NEZ	03 22 38.5 D 28 17				
23	eP NEZ	03 56 20	37.5	15	5.3	0.6S 122.0E
23	iP NEZ	05 41 14.0 D	42.5	63	4.9	6.0N 126.2E
23	iP NEZ	05 52 26.4 U	37.8	509	4.8	23.4S 179.8W
23	iP NEZ	06 03 21.0 U	30.8	100	4.9	4.4S 144.1E
23	iP NEZ e NEZ	06 55 35.0 D 07 00.4	28.7	15	5.8	41.6S 174.4E



Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre		
23	iP i iS eL	NEZ Z NEZ NEZ	09 03 54.0 07 02 09 42 11.7	U	38	79	5.8	0.5S 122.2E
23	eP	NEZ	09 24 27		42.4	10	5.2	6.0N 126.3E
23	eP	NEZ	14 25 40		37.8	108	5.1	0.3S 122.3E
23	eP	NEZ	17 26 02					
24	iP	NEZ	03 30 52.8	D				
24	iP	NEZ	03 34 57.0	U	35.5	660	4.6	12.8S 169.5E
24	eP	NEZ	07 09 02.5		39.5	642	4.9	21.1S 179.2W
24	eP	NEZ	13 46 22					
24	iP	NEZ	20 50 06.4	U	37.8	57	4.5	1.3N 126.8E
25	eP iS	NEZ NEZ	04 46 12 46 41					Local
25	iP	NEZ	10 48 44.4	D	39.8	561	5.3	21.0S 178.7W
25	eP	NEZ	12 09 17		38.9	112		1.0N 122.5E
26	iP	NEZ	11 14 19.5	D				
26	eP	NEZ	18 56 41					
26	iP	NEZ	19 40 54	D	40.6	551	4.6	20.0S 178.3W
27	eP iPP iS	NEZ NEZ NEZ	04 05 48 06 38 11 22		29.1	137		7.2S 128.7E
27	eP i	NEZ NEZ	08 41 29 46 40					
27	eP	NEZ	19 11 05		42.4	48	4.6	5.9N 126.2E
27	iP	NEZ	21 40 42.2	D	36.7	499	4.5	25.2S 179.8E
27	i(P)	EZ	23 02 22.2	D				
28	iP i	NEZ NEZ	01 20 46 25 10	U				
28	i i Lq LR	N N NE Z	17 14 38 15 50 16.7 19.6					
30	eP	NEZ	03 30 24					
30	eL	NEZ	13 58.0					
30	eP	NEZ	14 38 18					

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR MAY 1966

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
1	iP NEZ	01 16 18.3 U	32	71	5.2	10.2S 161.2E
1	eP NEZ iS NEZ	05 10 10 10 46				Local
1	iP NEZ e NEZ	10 57 22.0 U 11 05 12	33.2	102	4.8	4.5S 153.5E
1	eP NEZ	12 14 11	38.1	73	5.1	2.2N 128.6E
1	eP NEZ i(ScS) E	13 03 37.5 D 14 48	31.4	21		3.6S 143.0E
1	eP NEZ	13 21 10	31.4	33	4.6	3.5S 143.0E
1	iPKP NEZ ipPKP NEZ iPP Z eL NEZ	16 41 42.5 D 42 25 43 42 52.0	126.7	165	5.7	8.5E 74.3W
2	eP NEZ	09 59 00	30.6	52	5.2	6.0S 149.7E
2	iP NEZ i Z iPcS NEZ eL NEZ	16 46 21.0 U 52 33 53 17 56.0	34.1	103	5.8	8.6S 114.9E
No Long Period EW record for 3rd May						
3	eP NEZ iS NEZ	09 03 17 03 44				Local
3	iP NEZ	18 51 53.5 U	45.8	30	5.6	10.9N 141.8E
3	eP NEZ e Z i Z i(S) Z i N i NE eL NZ	19 09 39.0 10 19 10 29 11 04 11 26 11 39 11 58	7.2	37	3.8	37.1S 147.2E Felt in Vic. and N.S.W.
4	e NZ	01 59 25.3				
4	eL E eL NZ	17 05 48 07.0				
5	iP NEZ	06 42 52.4 D				
5	eP NZ iS NEZ Lq E LR Z	14 31 32 39 48 47.5 49.3	61	60	5.7	24.4N 122.6E
5	iP NEZ iS NEZ	19 47 11.6 47 16.8				Local

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
6	iP	NEZ	07 20 37.5 D	36.6	488	5.3	25.0S 179.6E
7	eP	NEZ	09 55 20	37.4	43	5.6	0.7S 122.2E
7	eP	NEZ	16 31 26	41.3	47	5.3	4.7N 125.7E
9	iPKP	NZ	01 01 56.6 D	125.3	33	5.5	34.5N 26.5E
9	eL	EZ	01 47.0				
9	eP	NZ	02 03 56	37	122	5.6	0.0S 125.2E
9	eP	NEZ	13 26 58				
9	eP i	NEZ NEZ	13 41 25 46 55				
9	eL	NE	20 28.0				
9	eL	NEZ	21 32.3				
11	iP	NEZ	04 01 58.0 U	88.6	89	5.7	56.0S 27.5W
11	eP iS	NZ E	14 30 06 40 42	85	13	5.8	48.9N 156.2E
11	eP eL	Z NEZ	21 52 09 21.0	85	28	5.7	48.8N 156.3E
12	e i eL	N E NEZ	12 03 14 06 18 08.0				
No short period records for 13th							
14	eP	NEZ	16 42 27	41.4	322	4.3	19.5S 177.7W
14	eP	NEZ	17 10 53	68.6	50	4.7	34.1N 138.8E
14	eP	NEZ	17 14 56	68.6	33	4.9	34.2N 138.9E
14	ePKP	NEZ	20 47 15	148.7	16	5.5	10.5N 63.0W
15	eP	NEZ	14 17 55	33	33		7.9S 118.0E
15	eP i iScS iPS eL	NEZ NE NE Z NEZ	14 59 22 15 09 54 10 30 11 50 17.0	93.9	31	5.8	51.5N 178.4W
16	iP i(PP) iS eL	NEZ NEZ NE NEZ	02 52 25.0 D 53 16.5 57 00 58.2	29.2	212	5.9	6.9S 129.4E
16	iP	NEZ	08 35 35.3 D	37.5	33	5.3	0.8N 126.8E
16	iP	NEZ	13 17 16.8 U	65.7	68	5.1	30.6N 130.2E

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
17	iP i	NEZ NEZ 04 36 33.0 D 37 09	29.3	195	5.1	6.9S 129.0E
17	eL	NEZ 07 56.0				
18	eP e	NEZ NEZ 07 29 31 30 09	32.1	33	5.3	2.8S 137.2E
18	eL	NEZ 08 29.0				
19	e e e	NE N NEZ 07 38 52 39 11 43.0				
20	eP	NEZ 07 06 04				
20	iP iS eL	NEZ E NEZ 09 23 31.2 D 30 34 33.0	49.1	66	6.0	13.9N 146.1E
20	eP	EZ 18 12 12	56.5	96	5.6	19.6N 122.0E
21	iP	NEZ 08 14 57.5 U	37.4	518	5.1	24.3S 179.8E
21	iP	NEZ 17 50 35.0 D	40	172	5.0	3.2N 125.4E
21	iP	NEZ 18 50 16.4 D	45.9	63	5.4	9.7N 126.3E
22	iP	NEZ 00 00 51.8 D	41.6	555	5.1	18.0S 178.4W
22	eP eL eL	NEZ NE Z 02 58 28 06.5 07.7	31.4	83	5.6	7.4S 155.5E
22	eP	NEZ 03 31 34	31.4	100	5.3	7.4S 155.7E
23	eL	NEZ 06 21.0				
23	eP	NEZ 08 50 21	64.6	28	5.5	30.0N 139.8E
23	eP iS eL	NEZ NE NEZ 14 31 19 38 20 41.0	49	39	5.9	13.8N 146.4E
23	iP	NEZ 18 37 41.2 D				
24	eP	NEZ 15 36 29	38.8	112	5.3	25.6S 177.4W
25	iP iS i eL eL	NEZ N NEZ NZ E 08 34 59.5 D 39 47 40 30 42.0 42.6	29.3	39	5.8	6.4S 131.1E
25	iP i iS Lq LR	NEZ NEZ NEZ NE Z 12 13 17.0 U 15 20 18 16 20.7 22.2	30.4	35	5.5	21.6S 169.9E

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
25	iP	NEZ	13 26 05.0 U	23.4	33	6.6	52.9S 160.0E
	i(S)	NEZ	30 30				
	eL	NZ	31.9				
	eL	E	32.3				
	eT	NEZ	49 12				
25	iP	NEZ	14 05 32.5 D	36.4	432	4.3	26.1S 180.0W
26	eP	NEZ	12 10 19				
26	iP	NEZ	12 32 53.0 D	36.9	455	5.0	25.5S 179.8W
	iS	NEZ	38 04				
26	eP	NEZ	21 20 35				
27	eP	NEZ	10 16 51	38.4	90	5.2	0.6N 123.6E
28	eP	NE	00 14 10	61	33	5.7	24.4N 122.5E
28	iP	NEZ	02 16 27.0 D	38.5	600	4.9	22.2S 179.6W
28	iP	NEZ	06 03 23.8	59.8	12	5.2	23.8N 125.1E
28	eP	NEZ	16 55 34				
28	eP	NE	22 30 13.5	33.3	122	5.4	4.4S 153.4E
29	eP	NEZ	13 51 20	39.5	516	5.2	21.6S 178.7W
	iS	NEZ	56 47				
29	eP	NEZ	15 27 24	33.3	95	4.8	4.6S 153.7E
31	eP	NEZ	18 58 51	30.1	33	5.0	19.3S 167.8E
31	eP	NEZ	19 14 30				

Seismograms read by A. Slade

 Dr. D.J. Sutton,  
 Director

## THE UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR JUNE 1966

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre	
1	eP Lq LR	NEZ NE Z	10 21 15 29.7 32.0	32.8	48	5.5	13.8S 166.6E
1	eP eL	NEZ NEZ	11 55 24 12 05.0	41.8	24	5.9	23.4S 174.9W
1	iP	NEZ	12 40 55.0 D	32.4	93	5.6	15.2S 167.2E
1	eP	NEZ	15 34 00	29	39	5.2	6.3S 133.4E
2	iP	NEZ	03 40 57.3 D	91.8	41	6.0	51.1N 176.0E
2	eL	Z	04 11.0				
2	iP	NEZ	07 15 08.0 U	37.7	185	5.8	0.0N 123.2E
2	e e eL	N Z EZ	17 12 00 16 16 18.0				
3	iP	NEZ	13 56 08.0 D	41.3	643	5.3	17.9S 178.8W
No short period records for 4th							
4	eL eL	NE Z	08 35.0 35.8				
5	iP eS ePS	NEZ E Z	00 00 38 D 10 36 11 32	82	27	5.9	46.5N 152.5E
5	iP	NEZ	11 28 50.5 U	38.1	147	5.5	0.3N 122.0E
6	eP e	NEZ NEZ	01 52 11.5 59 42	33.5	37	5.5	14.9S 167.8E
6	iP i(sP) iPP ip(PP) i i iSKS iS isS isSP i i i iSS	NEZ Z EZ Z NEZ NEZ NEZ NEZ NEZ NEZ Z NE Z Z NE	07 59 13.4 08 00 09 03 08 03 55 04 09 08 08 09 26 10 06 11 28 12 30 12 54 13 10 15 18 16 44	94.8	225	6.3	36.3N 71.2E
6	eP iS iSS i	NEZ NE NEZ NE	20 55 30 21 02 10 05 38 07 44	45.8	45	5.7	9.6N 126.4E

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
6	eP	NEZ	23 15 50	45.9	45	5.3	9.7N 126.6E
	e	NEZ	24 24 52				
	e	Z	32.0				
7	eP	NEZ	00 07 36	45.9	45	5.4	9.6N 126.4E
7	e	NEZ	01 31 06				
	eL	NEZ	36.0				
7	iP	NEZ	11 55 02 D	60.4	41	5.7	24.2N 122.5E
	ipP	NEZ	55 14.5				
	eL	NEZ	12 20.0				
7	iP	NZ	14 07 57.0 D	46	50	6.5	11.3N 139.6E
	iP	E	08 01.3				
	i(pP)	NZ	08 16				
	isP	NZ	09 06				
	iPcP	NZ	09 52				
	i	NZ	10 04				
	isPP	N	10 40				
	i	E	10 52				
	i	E	11 55				
	i	NEZ	12 16				
	i	Z	13 08				
	iPcS	EZ	13 20				
	iS	NEZ	14 40				
	iSS	EZ	17 48				
	i	EZ	18 12				
	i	E	20 12				
	i	NZ	21 31				
7	iP	NEZ	19 12 26.6 U	39.1	606	5.2	21.4S 179.3W
7	eP	NEZ	22 26 49	42.2	40	5.3	5.7S 105.5E
	i	NEZ	29 51				
8	eP	NEZ	05 39 41	41.9	562	4.1	18.0S 178.1W
8	iP	NEZ	21 01 21.6 D				
8	eP	NEZ	21 28 05	29.9	61		6.1S 147.5E
8	eP	NEZ	22 09 35	45.7	28	5.3	9.6N 126.7E
9	eP	NEZ	00 22 13				
	i	NEZ	22 19				
9	eP)	NEZ	04 42 25				
9	iP	NEZ	15 51 23.8 U	79.3	110	5.5	44.3N 147.6E
9	eP	NEZ	22 27 03	64.8	12	5.1	30.1N 142.2E
10	eP	Z	07 05 22	32.2	33	4.3	2.6S 138.8E
	eL	E	17.0				
	eL	NZ	19.0				
10	eP	Z	12 21 21.5	30.5	53	5.0	6.1S 149.8E
	eS	N	26 20				
	e	NEZ	30 40				
	eL	NEZ	32.0				

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
11	eP	Z	03 11 26	60.9	33	5.2	23.6N 119.9E
11	iP	Z	05 10 52.5 D	34	99	5.6	12.1S 166.6E
13	iP	NEZ	02 44 35.8 D				
13	iP	NEZ	04 08 21.8 U	45.7	39	4.9	16.8S 174.0W
13	eP	NEZ	07 39 54	33.9	49	5.9	21.2S 174.1E
	iPP	EZ	41 07				
	iS	NE	45 20				
	i	NE	45 26				
	Lq	NE	47.6				
	LR	NEZ	49.2				
13	eP	NEZ	12 15 17				
	i	NEZ	15 45				
	iS	NEZ	21 00				
13	iP	NEZ	18 15 02 D	34.3	259	6.2	12.2S 167.1E
	i	NEZ	15 46				
	iPP	NEZ	16 28				
	iS	NEZ	20 10				
	iPcS	NEZ	21 04				
	i	NE	21 50				
	iSSS	EZ	23 32				
	eL	NEZ	24.0				
14	iP	NEZ	16 45 30.0 U	32.3	656	5.4	5.3S 124.5E
	i	NEZ	46 59				
	iS	E	50 00				
	i	NZ	50 05				
14	e(P)	NEZ	19 04 29	38.6	147		1.0N 123.1E
14	eP	NEZ	21 13 50	65.3	397	5.1	30.7N 138.7E
15	iP	NEZ	01 06 10 D	31.7	31	6.1	10.4S 160.8E
	ipP	NEZ	06 23				
	iS	NEZ	11 26				
15	iP	NEZ	02 42 48.8 U	31.6	33	5.5	10.7S 161.0E
15	iP	NEZ	03 09 57.9 D	31.7	33	5.7	10.2S 160.7E
15	eP	Z	03 47 34	31.6	33	4.9	10.7S 161.3E
15	eP	NEZ	03 50 18	31.6	33	4.9	10.5S 161.2E
15	eP	NEZ	04 33 18	31.6	33	5.3	10.7S 161.3E
15	iP	NEZ	06 20 17 U	32.1	39	5.9	10.1S 161.0E
	iS	NEZ	25 26				
	Lq	NE	27.7				
	LR	Z	30.6				
15	eP	Z	16 23 37	31.6	21	5.4	10.7S 161.2E
	eL	NEZ	32.6				
15	iP	NEZ	16 42 50 U	31.7	18	5.8	10.3S 160.7E
15	eL	NEZ	18 57.6				



4.

JUNE

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
15	eP NEZ	20 05 25	31.6	33	5.4	10.5S 161.4E
15	eP NEZ	20 56 00	35	151	4.7	11.4S 167.1E
15	eL NEZ	21 31.0				
15	eP NEZ eL NEZ	22 50 22 23 00.5	35	107	4.9	11.2S 167.0E
16	eP NEZ	00 10 16	31.6	34	4.9	10.8S 161.3E
16	eL NEZ	09 05.0				
16	e(P) Z	12 06 45				
16	eP NEZ	13 24 08				
16	iP NEZ eL NE eL Z	14 37 50.6 U 45.5 47.3	31.9	38	5.1	10.2S 160.9E
16	eP NZ eL NEZ	16 43 19 55.0	31.7	47	4.6	9.9S 160.2E
16	iP NEZ	17 02 48.8 D				
16	eL NEZ	18 56.0				
17	iP NEZ eL NEZ	00 51 26.0 U 01 01.5	31.9	33	5.5	10.3S 160.8E
17	iP NEZ	02 54 13.8 D				
17	eP NEZ	13 27 02				
17	eP NEZ	15 12 26	29.6	77	5.4	6.2S 146.7E
18	eP NZ Lq NE LR Z	08 31 02 40.0 41.8	31.9	22	5.4	10.2S 160.9E
18	eP NEZ	15 53 18	41.8	586	4.2	18.1S 178.3W
18	eP NEZ eL E eL NE	19 21 52 29.0 32.7	31.8	17	5.2	3.3S 143.2E
19	eP NEZ	06 28 33				
19	eP NEZ eL NEZ	07 58 12 08 03.0	27.8	54	5.4	8.8S 149.5E
19	iP NEZ	17 18 29.0 U				
No long period EW record for 20th						
20	eP NEZ e N e Z	09 00 31 12 00 15 36	46.9	33	4.8	16.2S 173.1W
20	eL NZ	22 16.0				

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre		
21	iP iS eL	NEZ NE NEZ	00 49 58.5 55 20 57.45	U	34.1	25	5.3	10.9S 165.3E
21	eL eL	N EZ	07 33.0 36.6					
21	iP	NEZ	13 11 44	D	86.5	16	5.4	57.9S 25.7W
21	eP e eL	NEZ NEZ NZ	13 39 12 46 14 50.4		30.1	42	5.5	5.2S 144.6E
21	eP i	NEZ Z	16 24 23 27 21		30.1	95	4.7	5.3S 145.5E
21	iP	NEZ	19 27 07	D				
22	eP e	NEZ NEZ	01 56 11 02 03.0		30.8	13	5.1	17.5S 167.2E
22	eP	NEZ	19 19 42		29.3	121	5.3	6.4S 146.4E
22	iP i iPP iPcP iS i eL i	NEZ NEZ NEZ NEZ NEZ NZ NZ Z	20 34 37 34 40 36 06 37 08 39 00 40 08 41.2 41 23	D	30.5	507	6.1	7.2S 124.6E
23	iP	NEZ	05 13 21.0	U	78.4	218	5.5	43.8N 139.9E
24	iP	NEZ	03 03 17.0	D	32.2	155	5.6	6.3S 155.0E
24	iP	NEZ	13 54 04.8	D	36.2	619	4.3	24.2S 178.7E
25	eP	NEZ	01 56 40		64.3	49	5.5	29.6N 142.1E
25	iP eL eL	NEZ NE Z	16 07 43 17.0 18.0	U	32	78	5.6	10.1S 160.9E
25	iP	NEZ	18 44 52	D	32.1	123	5.6	5.0S 151.4E
27	eP i	NEZ NEZ	05 08 51 09 18					
27	e(P)	NEZ	06 33 58		30.6	43	4.9	21.4S 170.0E
27	eP	NEZ	08 46 28		41.3	60	5.3	22.7S 175.8W
27	iP	NEZ	10 21 50	D	29.3	233	6.1	38.8S 175.2E
27	iP i i iS i iPPS iSS	NEZ NEZ N NE Z NE NEZ	10 53 38.5 11 02 18 03 10 03 58 04 50 04 54 09 34	U	84.3	37	6.1	29.7N 80.9E
27	iP iS	NEZ NEZ	11 11 47 22 16	D	84.3	40	6.0	29.7N 81.0E

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
27	iP	NEZ	11 34 13.5 D	84.3	33	5.4	29.7N 80.8E
27	i(P)	Z	11 36 39 D				
27	iP	EZ	12 22 24.5 U	45.4	80	4.6	16.4S 174.8W
27	iP	NEZ	14 08 22 D	84.3	35	5.4	29.6N 80.8E
27	iP	NEZ	21 53 18 U	31	54	5.7	38.0S 177.2E
	eL	EZ	59.0				
27	iP	NEZ	22 52 28.8 D	44	39	6.3	7.3N 125.0E
No long period N.S. records for 28th							
28	iP	NEZ	01 06 18.0 D	34	233	5.3	12.6S 167.1E
28	eP	NEZ	01 56 07	30	32	5.0	5.6S 146.4E
	eL	NEZ	02 05.0				
28	eL	E	05 16.0				
	eL	Z	19.0				
28	eP	EZ	07 47 39	33.6	33	4.3	10.9S 164.5E
28	iP	NEZ	11 45 28.0 U	32.1	33	5.6	10.2S 161.2E
	eL	E	54.0				
	eL	Z	56.0				
28	eP	NEZ	12 25 15	29.7	138	4.5	7.2S 128.0E
	ipP	NEZ	25 45				
	i	NEZ	31 02				
29	eP	NEZ	21 53 28	32.7	35	6.2	13.8S 166.7E
	i(S)	NEZ	58 44				
	eL	NEZ	22 01.0				
29	iP	NEZ	23 01 34 U	60.8	33	5.2	24.2N 122.5E
30	eP	NEZ	07 55 47	30.1	61	4.7	5.7S 146.8E
30	iP	NEZ	09 11 00.5 D	78.4	454	5.4	43.6N 132.2E
30	iP	NEZ	12 36 01.5 D	45.7	44	5.4	9.6N 126.7E
	iS	NE	42 40				
	iSS	NEZ	45 53				
30	eP	NEZ	12 53 52.5				
30	eP	NEZ	15 55 37	61.1	47	5.4	24.4N 122.2E

Adelaide  
July 1966  
TO  
SEPT.



# 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 JULY 1966

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
1	iP NEZ	05 49 49.0 U	41.5	523	4.0	17.8S 178.7W
1	iP NEZ ipP NEZ iS E i NZ	06 00 44.5 U 01 12 08 58 09 00	61.3	117	6.4	24.8N 122.5E
1	iP NEZ i NEZ eL NEZ	10 28 22.9 D 32 52 47.0	32.8	76	5.3	3.1S 129.6E
2	eP NEZ	22 54 07	31.1	565	5.6	6.5S 124.8E
No long period vertical record for 3rd						
3	iP NEZ eL NE	04 17 30.0 D 31.0	43.4	33	5.0	21.1S 174.2W
3	iP NEZ	13 16 16 U	41	118		4.7N 126.8E
4	eP NEZ e N i(S) NE iPS N iPPS Z iSS E i NZ i NE eL NEZ	18 47 04 57 34 58 23 59 24 59 34 19 04 00 04 34 05 24 07.0	93.6	13	6.2	51.7N 179.9E
5	eP NEZ	03 55 49	41.4	550	4.1	17.9S 178.7W
5	eP NEZ	09 31 13				
5	eP NEZ	22 29 37				
6	eL NEZ	20 15.0				
6	eP NEZ	22 48 12	34.5	274	4.9	32.1S 179.9W
7	iP NEZ	04 22 47.0				
7	eP NZ	20 22 33	47.5	36	5.0	12.6N 144.1E
7	eP NEZ	21 52 02				
8	iP NEZ ipP NEZ i NEZ	01 43 47.5 U 44 16 49 12	29	113	5.5	6.9S 130.2E
9	iP NEZ eL NEZ	07 58 36 U 08 08.0	34.8	62	5.2	33.2S 179.2W
9	iP NEZ	16 14 43.5 D	41.7	523	5.6	17.5S 178.5W
9	eP NEZ	19 26 13	47.3	62	5.2	12.5N 141.8E
10	iP NEZ	01 29 06.0 D	41.7	532	5.8	17.4S 178.7W
10	iP NEZ	01 56 33.3 D	36.8	550	4.2	24.8S 179.7E

JULY

Date	Phase		Time		$\Delta^\circ$	h (kms)	Mag.	Epicentre
10	iP	NEZ	10 07 44.0	U	36.6	40	5.8	30.5S 177.8W
	iS	EZ	09 10					
	iPcS	E	13 58					
	i	NEZ	16 12					
10	iP	NEZ	16 22 50.0	D	60.2	28	5.9	24.2N 125.2E
	i	NEZ	22 57					
	iS	NEZ	31 08					
	i	NE	32 38					
	iSS	N	34 53					
	iSSS	EZ	37 36					
	eL	NE	40.7					
	eL	Z	42.0					
10	eP	NEZ	22 14 46		60.8	58	5.4	24.8N 125.3E
11	eP	NEZ	22 54 05		44.9	120	5.6	19.2S 173.6W
	i	N	23 04 14					
	i	EZ	08 36					
13	eL	NEZ	11 57.5					
13	iP	NEZ	14 47 31.0	U	37.9	126	5.0	0.1S 122.8E
	i	Z	47 46					
	iSS	NEZ	55 58					
	eL	NEZ	15 00.5					
15	iP	NEZ	10 41 27					
15	iP	NEZ	18 06 43.0	U	41	40		4.5N 126.0E
15	eP	NZ	19 07 41					
15	eP	NEZ	20 34 00		41.1	56	4.9	5.1N 127.0E
15	iP	NEZ	23 48 57.0	U				Local
	iS	NEZ	49 10.5					
16	iP	NEZ	00 41 44.5	U	39.3	181	5.4	0.3N 121.5E
16	iP	NEZ	07 26 40.0	D	34.4	68	5.2	10.9S 165.9E
	iS	NE	32 08					
	eL	NEZ	34.9					
17	e	E	02 35 14					
	eL	N	37.0					
	eL	Z	39.0					
17	eP	NEZ	06 55 08		32.4	72	5.0	5.5S 153.6E
	i	Z	57 40					
	eL	NEZ	07 04.0					
17	iP	NEZ	10 33 09.0	U	29	141	5.1	7.1S 129.4E
	i	NEZ	33 41					
	iS	NEZ	38 49					
19	e	NE	02 10.0					
	eL	NZ	24.5					

Date	Time	Phase	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
19	eP Z	11 57 54	30.3	104	5.3	4.8S 143.1E
20	eL NEZ	11 48.0				
20	eP NEZ	12 54 52	29.3	98		6.0S 133.0E
20	eL NEZ	14 09.3				
21	eP NEZ iS NEZ	03 38 28 42 38	23.6	34	5.6	52.8S 160.3E
21	iP NEZ iS NEZ i(SS) NE	18 37 14.0 42 47 46 30	D 41.6	591	5.6	17.8S 178.6W
22	iP NEZ ipP NEZ	08 32 08.0 32 43	D 32.3	187	5.5	16.0S 168.0E
23	iP NEZ i NEZ iS NEZ	05 52 16.6 52 44.5 57 50	D 28.8	89	5.1	7.1S 130.0E
24	eL NEZ	09 11.0				
24	iP NEZ	17 26 02	D 42.5	112	5.2	20.4S 175.8W
25	i(P) NEZ	06 59 45.8	D			
28	eL NEZ	01 30.0				
28	iP NEZ eL NEZ	08 21 46.5 35.0	D 32.6	19	5.4	2.3S 141.2E
28	iP NEZ	09 48 56.8	D 32.6	141	5.0	14.9S 167.3E
28	iP NEZ	10 54 52.5	U 37.1	95	5.4	0.3S 124.2E
28	eP NEZ eL NEZ	12 15 01 25.0	37.4	59	5.4	29.0S 177.5W
28	iP NEZ	23 28 54.4	D 38.7	184	4.8	25.6S 177.6W
29	iP NEZ eL NEZ	11 52 44.0 12 01.0	U 32.8	75	5.4	10.5S 162.8E
30	iP NEZ	17 47 35.0	D 45.3	36	5.4	9.1N 126.6E
30	eP NEZ	20 45 21				

Seismograms read by A. Slade

 Dr. D.J. Sutton,  
 Director



## UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

## BULLETIN FOR AUGUST 1966

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
1	iP eL eL	NEZ NE Z	03 29 25.0 U 38.0 39.2	32	70	5.7	10.2S 161.1E
1	eL eL	NE Z	19 50.0 52.0				
1	iP	Z	20 44 07.5 D	79.9	24	5.2	44.6N 150.4E
1	iP i iS	NEZ Z NEZ	21 16 10 D 20 48 27 16	92.3	33	6.2	30.ON 68.7E
4	eP	NEZ	05 48 09	32.3	531	5.5	7.3S 120.3E
4	iP	NEZ	15 33 30.0 D	44.6	239	5.1	17.8S 174.8W
4	eP	NEZ	20 30 17.5	38.5	95	4.0	2.ON 126.8E
5	iP iS eL	NEZ NE NEZ	04 39 28 U 44 40 47.0	32.2	93	5.7	10.9S 162.3E
6	iP	NEZ	11 30 48 D	37.8	502	5.2	23.5S 179.6W
6	eP	NEZ	11 59 38				
7	eP i iPP iPPP i i(S) i	NEZ NEZ N Z NEZ NEZ NEZ	02 26 34 29 45 30 24 32 38 37 02 37 52 38 08	95.8	39	6.5	50.6N 171.3W
7	iP	NEZ	03 13 37.5 D	31.7	48	5.5	10.6S 161.0E
7	iP	NEZ	13 48 36.0 U	37.4	537	4.7	24.0S 179.9W
7	e eL eL	NE N EZ	18 13 28 24.0 26.0				
8	iP	NEZ	00 30 32.5 D	29.5	15		5.7S 133.8E
8	iP i i	NEZ N Z	07 30 56.5 D 40 24 44 17	33.7	16	5.3	10.5S 164.3E
8	eL	NZ	09 08.0				
10	eP iScS eL eL	NEZ NEZ N EZ	05 09 00 18 56 20.4 21.9	43	96	5.8	20.1S 175.3W

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
10	eP iS eL eL	NZ NEZ E Z	12 40 10 45 11 47.0 48.0	31.7	40	5.3	5.5S 151.8E
11	eP e eL	NEZ E NEZ	05 20 53 28 30 31.0	44.5	33	5.5	19.3S 173.9W
11	eP	NEZ	15 11 24	42	115	4.9	5.6N 126.5E
11	eL	NEZ	21 00.0				
12	eP	NZ	04 07 24	41.2	128	5.4	22.4S 176.2W
12	iP	NZ	14 45 33 D	40.8	63	5.0	23.6S 176.0W
12	iP	NZ	19 32 55.0 U	68.6	324	4.9	34.0N 137.2E
14	eP eL	NEZ NEZ	04 57 27 05 05.0	30.3	18	5.1	21.9S 170.0E
14	eP	NEZ	16 20 46				
14	iP	NEZ	19 52 33.0 U	29.9	326		6.7S 127.8E
15	iP	NEZ	02 19 49.0 D	41.7	556	4.8	17.7S 178.4W
15	eP	NEZ	02 28 04	84.8	50	5.8	28.7N 78.9E
15	iP i(S) eL eL	NEZ NE NE Z	02 54 34.5 D 03 01 26 03.9 05.0	50.8	14	5.7	13.3N 121.3E
15	eL eL	E N	06 25.0 27.0				
15	eP	Z	09 51 50				
15	iP eL	NEZ NEZ	10 32 48.3 D 57.0	79.3	37	5.6	3.8N 64.0E
15	eP	NEZ	10 58 37				
18	eL	NEZ	11 33.8				
18	eL	NZ	12 26.5				
18	iP i i iS eL i	NEZ NZ Z NE NEZ NE	14 41 06.0 U 45 00 45 22 46 46 48.7 50 42	36.9	56	6.3	0.2S 125.1E
18	iP i i	NEZ NEZ NEZ	15 48 42.0 D 49 13.0 54 45	30.5	155	5.4	4.3S 138.4E

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
19	ePKP	NEZ	12 40 57	115.9	26	6.1	39.2N 41.7E
	i	NE	49 50				
	iPS	EZ	51 46				
	i	NE	58 00				
19	eP	NEZ	12 57 45	71.1	28	5.5	36.4N 141.7E
	i	Z	13 00 50				
19	eP	NEZ	14 04 24	41.9	566		19.0S 177.4W
20	eP	Z	08 36 32	57.4	173	4.7	22.6N 143.0E
20	iP	NEZ	09 44 11 U	77.7	161	5.8	43.1N 140.6E
20	eL	NE	12 48.0				
	eL	Z	53.0				
20	iP	NEZ	23 02 38.9 D	40.8	57	5.6	23.4S 176.0W
	i	E	09 18				
21	iP	NEZ	05 08 34.0 U	44.7	67	6.0	8.5N 126.7E
	iPP	NZ	10 12				
	iS	NE	15 04				
	eL	NEZ	18.0				
22	iP	NEZ	14 32 45.0 U	85.3	628	5.2	50.3N 147.6E
22	iP	NEZ	17 08 42.5 U	33.3	13	5.9	1.8S 134.2E
	i	NEZ	08 48				
	i(ScS)	NEZ	16 21				
	eL	NE	18.0				
	i	NEZ	19 38.5				
	eL	Z	20.7				
22	iP	NEZ	17 48 23.5 D	30.5	39	5.5	22.4S 170.6E
	iS	NEZ	53 28				
	eL	NE	55.0				
	eL	Z	56.6				
22	eP	NEZ	18 26 03	33.3	45		1.9S 134.1E
No short period records for 23rd August							
No short period Z record for 25th August							
26	eP	NEZ	00 59 25	38.1	59	5.7	27.5S 177.3W
	eL	NEZ	01 08.0				
26	eP	NEZ	03 02 17	28.9	73		7.0S 130.2E
	i	NEZ	07 45				
26	eP	NEZ	09 13 04	30.1	33	5.6	22.1S 170.0E
	iS	NEZ	18 06				
	eL	NEZ	21.2				
26	eP	NEZ	12 07 10	28.7	68	5.1	7.3S 147.6E
26	eL	N	13 42.0				
	eL	EZ	43.45				
27	iP	NEZ	02 43 46.5 D	39.3	170	5.6	3.2N 128.2E
	i	NEZ	44 22				
27	iP	NEZ	04 43 32.3 D	42.3	119	5.5	5.8N 125.9E

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
27	iP NEZ	10 34 51.4 D	41.6	550	4.6	17.9S 178.4W
27	eP NEZ	17 19 44	50.7	13	4.9	13.9N 123.6E
27	iP EZ	17 58 07 D	36	513		26.1S 179.5E
27	i(P) NEZ	23 12 29.2 D				
28	eP NEZ	02 18 37				
28	iP NEZ	07 35 59.5 D	32.2	94	5.8	35.8S 178.5E
	i NEZ	38 39				
	i NEZ	42 06				
	eL NEZ	43.0				
28	iP NEZ	10 09 03.5 D	33.9	509	5.6	4.6S 155.2E
	iS NEZ	13 50				
	i E	15 14				
	iSS NEZ	16 48				
28	eP NEZ	18 55 17				
28	eP NEZ	19 08 13				
28	iP NEZ	22 33 42				Local
	iS NEZ	34 17				
28	eP NEZ	22 38 10	38.3	75		2.3N 128.4E
	eL NEZ	47.0				
29	eP NZ	13 17 43				
	i(S) N	23 47				
	i NE	26 34				
	eL NZ	28.0				
30	eP NEZ	08 42 51.5	34.8	43	4.5	33.1S 179.2W
	eL NEZ	56.0				
30	iP NEZ	12 49 23.8 U	51.1	81	5.5	13.4N 120.7E
30	iP NEZ	15 10 34.0 D	37.6	505		23.5S 179.9W
30	eP NEZ	17 01 09	37.5	510	4.4	23.9S 179.8W
30	iP NEZ	19 50 21.0 D	40.1	33	5.5	3.6N 126.3E
No short period Z, N.S. records for 31st August						

Seismograms read by A. Slade

 Dr. D.J. Sutton  
 Director

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION

BULLETIN FOR SEPTEMBER 1966

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
1	iP NEZ	09 03 58.8 U	34.5	66	5.1	0.5S 134.3E
1	eP NEZ	09 23 04				
1	eP NEZ	14 27 03	66.5	42	5.5	31.8N 142.4E
1	iP NEZ	14 32 04.8 U				
	i NEZ	32 52				
	i NEZ	32 24.5				
1	eP NEZ	15 32 49	42.7	33	5.2	20.6S 175.4W
2	eL NEZ	08 49.5				
2	eP NEZ	10 21 40	31.6	33	5.2	3.2S 139.6E
	i(PP) EZ	22 23.5				
2	iP NEZ	14 42 10.6 D	38.5	116	5.1	2.1N 126.8E
2	eP NEZ	17 05 42				
3	eP NEZ	12 21 25	87.5	33	5.3	57.0S 25.6W
3	eL NZ	12 56.0				
4	eP NEZ	04 47 36	63.8	33	5.4	12.2N 93.1E
4	eP NEZ	09 47 50	32.3	39	6.0	2.5S 138.8E
	e(S) NEZ	53 32				
	eL NE	56.7				
5	eL NEZ	07 09.0				
6	iP NZ	20 40 04.0 U	38.2	94	5.1	0.6N 124.4E
	iS NZ	41 30				
6	eP NEZ	20 57 33	33.1	33	5.3	3.6S 127.1E
7	eP NEZ	16 01 43.5	33.3	77	5.5	5.1S 154.7E
8	eP NZ	10 45 14	40.1	65	5.1	3.6N 126.3E
8	iP NEZ	21 23 12.9 U	38.4	96	6.9	2.4N 128.4E
	iPP NE	24 37				
	iS NEZ	28 58				
	i NEZ	29 54				
	eL NE	31.5				
	eL Z	31.7				
	i E	32 02				
No long period N.S. record for 9th September						
9	iP NEZ	12 12 48.6 D	45.2	25	5.3	4.2S 102.8E
9	ePKP NEZ	18 59 38	144.9	12	5.0	10.8N 69.5W
9	eP NEZ	23 19 39	31.2	36	5.2	17.6S 168.0E

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
10	iP i	NEZ Z	06 37 36.4 D 37 40.5				
10	iP i(PP)	NEZ NZ	17 38 31.5 U 40 36.5	37.5	550	5.0	23.3S 179.8E
11	iP i e	NEZ NEZ Z	04 01 50.0 D 02 13.5 02 54	85.5	33	5.4	58.9S 25.7W
11	iP	NEZ	07 24 18.1 U				
11	ePKP iPP	EZ EZ	17 57 13 18 00 34.5	139.5	167	5.9	6.8N 72.9W
11	eP e i	NEZ NEZ NE	19 29 24.5 29 40 29 43				Local
No short period N.S. record for 12th September							
12	eP iS i eL eL	NE E NEZ NEZ EZ	11 35 50 40 49 41 00 42.1 43.9	30.1	49	6.1	23.1S 170.6E
12	eL	EZ	17 36.0				
13	e i eL	NEZ E NEZ	00 46 30 01 02 00 04.0				
13	e	NEZ	08 00.0				
13	e	NEZ	09 52.0				
13	eP eL	Z NEZ	15 53 23 16 08.7				
13	eL	NZ	23 15.0				
13	iP	N	23 53 33 U	45.7	70	5.3	9.4N 126.2E
14	e	NEZ	00 33.9				
14	iP i i i	NEZ NEZ EZ E	17 26 38.1 U 27 21.9 27 39 27 41				Local
14	eP iS	NEZ NEZ	23 31 12 41 36	84.5	33	6.2	60.1S 27.0W
No long period N.S. record for 15th							
15	iP i i	NEZ NEZ NEZ	03 38 32.0 U 39 10 44 31	29.5	156	5.9	6.5S 129.6E

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
15	eP eL	NEZ EZ	04 14 44 27.0	41	67	5.3	23.6S 175.8W
15	e	Z	06 54.0				
15	iP	NEZ	07 57 16.5 D	33.3	181	5.2	8.1S 117.0E
15	eP iS iSS iSSS i i eL	Z EZ EZ E E E Z	12 04 37 14 52 20 24 23 40 26 16 27 48 31.0	84.3	33	5.7	60.3S 26.7W
15	iP eL	NEZ Z	17 20 49.5 D 40.0	59.8	47	5.5	22.8N 121.4E
16	eP	NEZ	01 57 19				
16	eL	NEZ	08 07.0				
16	eL	Z	13 26.0				
16	e e	E Z	15 01 40 02 48				
17	eP	NEZ	10 59 50	45.7	115	4.5	17.1S 174.0W
17	eP	NEZ	11 21 32	39.6	96		3.3N 127.1E
17	iP iS eL	NEZ E NEZ	20 24 47.1 U 30 50 33.8	38.6	37	5.2	27.7S 176.6W
17	eP	NEZ	21 12 57	41.9	220	4.6	20.7S 176.3W
17	eP	NEZ	23 23 21	33.4	65	5.2	9.4S 115.1E
18	eP	NEZ	14 26 53	67	33	5.4	22.6N 102.1E
18	eP i eL	NEZ E NEZ	15 26 55 48 40 54.0	84.3	33	5.4	60.4S 27.0W
18	iP	NEZ	20 44 23.6 U	42.3	57	5.0	5.8N 126.1E
19	eL	NEZ	06 21.5				
19	iP	NEZ	07 09 01.0 D	40.1	580	5.3	20.7S 178.4W
No short period records for 20th							
20	eL	NEZ	17 50.0				
23	iP	NEZ	18 38 26.0 U	85.1	33	5.6	59.5S 26.3W
24	iP iS	NEZ NEZ	08 06 51.0 U 06 54.0				Local
24	eP iS	NEZ NEZ	08 52 44 52 47				Local

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
24	iP	Z	10 54 57				
24	eP	NEZ	16 54 43	31.3	127	5.1	22.4S 171.6E
25	eP	NEZ	04 58 49	54.3	133	5.5	19.2N 145.7E
25	iPKP i	NEZ Z	06 21 21.1 D 21 37	125.1	60	6.1	18.3N 100.8W
25	eP	Z	06 39 20	30.9	179	4.7	21.4S 170.4E
25	eP	NEZ	10 30 25				
25	eP iS	NEZ NEZ	14 48 20.0 48 51.0				Local
26	iP i	NEZ NZ	04 33 01 U 33 08	60.3	19	5.5	22.3N 117.9E
26	iP eL	NEZ EZ	05 22 43.0 U 52.0	75.9	33	5.6	27.5N 92.6E
26	eL eL	N EZ	06 39.9 31.5				
No short period Z record for 27th							
27	eP	NEZ	18 48 56	38.7	125	5.0	2.7N 128.4E
28	iP eL	NEZ NEZ	14 11 44 D 26.0	71.3	33	6.2	27.4N 100.1E

Seismograms read by A. Slade

Dr. D.J. Sutton  
Director



ADELAIDE

OCT. — DEC. 1966



# SEISMOLOGICAL BULLETIN

By

ANGELA SLADE

D.J. SUTTON

THE UNIVERSITY OF ADELAIDE

DEPARTMENT OF PHYSICS

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATIONADELAIDE (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 OCTOBER 1966

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
2	eL NEZ	08 09.0				
2	eP NEZ	19 46 26.5	18.7	57	5.2	53.7S 140.1E
2	eP NEZ	20 03 22				
4	eP NEZ	16 03 42	18.7	43		
	iS NEZ	07 10				
4	eP NEZ	16 21 07				
4	iP NEZ	23 43 54.4 U	36	486	5.3	26.1S 179.4E
5	eL NE	20 49.9				
	eL Z	51.0				
6	iP NEZ	03 16 59.1 U	29.5	113	5.5	6.2S 146.4E
6	eP NEZ	06 34 52				
6	iP NEZ	14 18 11.0 D	41.4	159	5.6	4.8N 125.7E
6	eP NEZ	14 24 15.5				
7	iP NEZ	04 36 06.9 U	41.0	86	5.8	4.5N 126.1E
7	iP NEZ	16 01 14.5 D	30.8	161	6.4	21.6S 170.5E
	iPP NEZ	02 14				
	i(PcP) E	04 22				
	iS NEZ	06 06				
	i EZ	07 36				
	eL NEZ	08.3				
7	eP NEZ	16 39 25				
7	iP NEZ	23 10 15.0 D	30.6	95	5.3	4.4S 143.1E
8	eP NE	00 20 20	43.1	33	5.7	16.4S 177.6W
	iS NEZ	26 44				
	iScS NE	30 14				
8	iP NEZ	02 29 34.0 D	43.3	241	5.0	19.4S 175.4W
8	eP NEZ	02 42 12	43.1	57	4.9	16.5S 177.5W
	iS NE	48 44				
	Lq NE	52.2				
	LR Z	54.8				
8	eP NEZ	04 01 40	52.9	30	5.0	17.6N 147.3E
8	iP NEZ	14 51 18.0 U	43.4	420		15.6S 177.8W
9	iP NEZ	02 13 33.2 D	41.9	639	4.8	17.8S 178.2W
	i EZ	14 26.5				
9	eL N	07 37.6				
	eL EZ	41.0				

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OCTOBER

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre	
10	eP i	NEZ NEZ	06 49 10 54 47	28.8	125	4.7	7.4S 129.1E
11	iP ipP i e	NEZ NEZ NEZ NEZ	06 38 24.4 D 38 36 41 37 07 00 14	84.3	37	5.9	60.3S 26.0W
11	iP ipP	NEZ NEZ	08 12 11.0 D 12 24	84.3	35	5.3	60.4S 26.1W
11	eP	NEZ	10 17 35	70.8	31	4.7	28.0N 103.8E
11	iP	NEZ	12 15 16.0 D	51.7	83	5.2	13.9N 120.5E
11	iP	NEZ	14 42 36.9 U				
11	eP	NEZ	16 52 46	48.8	33	5.0	34.6S 78.5E
11	eP eS eL	NEZ E NEZ	20 47 34 53 12 55.9	35.3	33	5.1	32.6S 178.7W
12	eP i iS	NE N NEZ	00 12 26 12 54 17 06	27.7	33	5.7	11.9S 121.8E
12	eP ipP i eL	NEZ NEZ NEZ NEZ	04 29 19 29 31 35 30 38.0	36.6	14	5.2	31.2S 177.8W
12	iP eL	NEZ NEZ	08 03 23.5 D 13.0	32.1	41	5.0	11.0S 162.3E
12	eP	NEZ	16 01 39	84.3	33	5.1	60.4S 26.5W
12	e(PKP)	NEZ	21 16 15				
12	e(P)	NEZ	23 17 23				
13	ePKP	NEZ	16 04 02	126.5	155	5.3	8.8S 74.3W
13	eL	NEZ	17 52.0				
13	eL eL	NZ E	19 29.0 32.0				
14	eL eL	NE Z	01 46.0 49.0				
14	iP eL eL	NEZ N EZ	02 41 08.0 D 53.6 56.4	47	33	4.8	15.1S 173.5W
14	eP	NEZ	04 07 18				
14	e(P)	NEZ	06 36 51				
16	eP	NEZ	09 24 14	64.3	56	5.5	29.6N 142.4E

Date	Phase	Time	$\Delta^{\circ}$	h (kms)	Mag.	Epicentre
16	eL NEZ	10 14.0				
16	iP NEZ iPP NEZ	13 08 13.5 U 11 42	88.6	101	5.6	56.1S 27.1W
17	iP N iP Z iP E i NEZ i Z i N i Z i NE i NZ i E	00 27 41.8 27 41.9 27 42.2 27 44.4 27 46.7 27 51 28 08.1 28 09.1 28 17.2 28 19.3				Local Felt
17	iP NEZ i(S) NEZ eSSS NZ i E eL NEZ	10 22 29.0 U 28 10 30 38 31 48 32.35	34.9	55	5.5	11.0S 166.7E
17	e NE e Z	12 26 22 27 20				
17	eP NEZ eL E eL N eL Z	12 42 20 50.4 51.0 53.1	31.8	77	5.1	10.4S 161.1E
17	eL NE eL Z	14 04.6 05.6				
17	eP NEZ	17 15 46				
17	eP NEZ	18 26 31	37.4	635	5.0	22.3S 179.1E
17	eP' NEZ ePKP NEZ i NEZ iPP NEZ i NEZ i NEZ iPKKP NEZ i Z i NEZ i Z i NEZ	21 57 32 22 00 50 01 30 02 34 02 50 07 50 10 46 10 53 12 26 14 08 15 40	122.4	38	7.5(BRK)	10.7S 78.7W
18	iP NEZ	04 09 35.5 U	37.1	520	4.8	23.2S 179.3E
18	eP EZ eL N eL E	20 56 45.5 05.7 06.0	34.9	33	4.9	11.1S 166.7E
19	eL NEZ	03 39.9				
17	eP NEZ e NE e Z	04 04 40.2 10 08 13 16				

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OCTOBER

Date	Phase		Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
19	ePKP	Z	08 21 02	136.3	33		1.6S 15.5W
	i	Z	24 24				
	iPKS	NEZ	24 48				
	i	NEZ	36 10				
	iSS	NEZ	41 32				
19	iP	NEZ	11 28 40.5 D	34.1	218	5.1	12.6S 167.2E
19	iP	NEZ	13 03 21.0 U				
	i	NEZ	03 56				
	i	NEZ	09 07				
19	eP	NEZ	13 39 48.5	40.5	85	4.7	3.8N 125.3E
20	iP	NEZ	11 43 21.0 U	37.8	106	4.9	1.4N 127.2E
20	iP	NEZ	13 42 08.5 D	32.4	139	4.8	15.5S 167.7E
20	eP	Z	15 11 09				
	e	NE	17 42				
	eL	NEZ	19.5				

No Short Period vertical record for 21st October

21	eP	NE	18 52 16				
	e(P)	NE	57 20				
22	iP	NEZ	03 14 39.0 D	71.4	68	5.3	23.1N 94.4E
22	eP	Z	13 00 21	92.1	59	5.4	55.2N 162.0E
23	iP	NEZ	00 07 40.0 U	39	55	5.3	2.6N 127.2E
23	iP	NEZ	09 22 14.8 U	32.1	34	5.0	6.5S 155.2E
23	iP	NEZ	17 25 58.0 D	29.6	95	5.1	6.3S 129.9E
	i	NEZ	26 29				
	iS	N	30 42				
	i	NEZ	31 55				
	eL	NE	35.6				
	eL	Z	37.6				
24	eP	NEZ	15 44 35	37.1	26	4.6	30.5S 177.2W
24	eP	NEZ	18 55 56				
25	iP	NEZ	00 32 34.0 D	29.3	67	5.3	6.6S 147.2E
25	eP	NEZ	00 55 14	28.8	122	4.8	7.7S 128.5E
	e	NEZ	01 00 55				
25	iP	NEZ	23 22 19.5 U	32.8	179	4.5	14.6S 167.4E
26	eP	NEZ	18 35 08	33.3	57	4.9	4.2S 152.9E
26	eP	NEZ	20 18 36	51.1	51	5.0	13.5N 121.0E
27	iPKP	NEZ	06 16 53.5 U	115	0	6.3	55.4N 54.8E

Date	Phase		Time	$\Delta^{\circ}$	h (kms)	Mag.	Epi centre
27	iP	NEZ	14 30 51.0 D	57.2	29	6.0	22.2N 145.9E
	iS	NEZ	38 21				
	eL	NEZ	45.1				
27	eP	NEZ	22 32 03	28.5	137	5.1	7.4S 146.9E
28	iP	NEZ	01 47 41.0 D	31.8	32	5.5	9.6S 159.8E
	e	NEZ	56 50				
28	eP	NEZ	22 18 07.5	30.4	19	5.3	20.1S 168.8E
	iS	EZ	23 00				
29	eL	NEZ	01 39.0				
29	ePKP	NEZ	02 58 40	130.7	20	5.7	39.2N 21.2E
	iPKS	NZ	03 02 02.5				
29	iP	NEZ	07 14 50.0 U	32.1	67	4.6	6.8S 155.7E
	ipP	NEZ	15 07				
29	iP	NEZ	11 13 21.6 D	39	224	4.8	0.3N 122.0E
30	eP	NEZ	01 37 14				
	e	NEZ	42 42				
30	iP	NEZ	12 33 05.0 D	35.3	33	4.9	0.7S 128.8E
30	iP	NEZ	22 29 23.4 U	35.2	213	4.4	31.3S 179.3W
31	eP	Z	14 59 51	28.9	108	4.7	7.3S 129.1E

Seismograms read by A. Slade

 Dr. D.J. Sutton  
 Director

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR NOVEMBER 1966

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
1	eP i i iSS	NEZ E Z NEZ	03 41 07 41 44 41 54 47 19	29.6	202	4.7	6.6S 128.9E
2	eP	NEZ	16 23 39				
3	iP	NEZ	03 35 34 D	32.4	153	5.0	15.1S 167.4E
3	ePKP	EZ	11 57 15	151.7	47	5.2	19.1N 67.9W
3	iPKP	NEZ	16 44 25.5 U	151.7	22	5.6	19.2N 67.9W
3	eL	EZ	17 38.0				
3	eP	NEZ	21 18 43	39.2	15	5.1	7.6S 107.9E
4	iP	NEZ	15 49 15.0 U	35.1	620	4.7	25.9S 178.3E
5	eP eS eL	NEZ NE NEZ	02 22 12 28 56.6 35.5	45.8	33	5.5	41.8S 80.1E
5	eP	NEZ	02 36 42	31.2	29	5.3	19.2S 169.2E
5	eP iS i iSSS eL	NEZ NEZ Z NE NEZ	12 53 35 13 00 15 04 03 04 15 05.5	45.6	38	5.3	15.3S 175.2W
5	eP	NEZ	13 48 32	32.3	66	4.9	22.5S 172.9E
6	iP	NEZ	14 50 18.6 D	41.5	548	4.8	17.9S 178.5W
7	eP	NEZ	09 03 50	43.6	83	5.0	7.1N 125.4E
7	eP iS eL	NEZ E NEZ	13 24 16 30 26 35.4	39.5	33	5.1	41.8S 88.3E
7	iP	NEZ	17 46 10.0 D	47.1	45	5.0	15.1S 173.6W
No	short period Z, NS, records for 8th Nov.						
9	iP	NEZ	11 36 47.0 U	62.7	39	5.4	26.9N 125.5E
9	ePKP	NZ	22 15 33	151.8	14	4.6	19.3N 67.9W
No	short period EW record for 10th Nov.						
No	Long period NS record for 10th Nov.						
10	eP	NZ	01 46 12				
11	eP e e	NEZ EZ NEZ	09 53 51 54 15 10 02 15	31.2	81	4.9	18.8S 168.9E



Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
11	iP	NEZ	18 05 06.9 D	42.8	390	4.7	17.5S 177.2W
12	e	E	09 16 18				
	e	NZ	19.9				
12	e	E	13 22.0				
	e	Z	24.3				
	eL	NZ	30.9				
12	iP	NEZ	16 02 15.5 D	30.3	33	5.4	4.8S 134.2E
	e(SS)	NEZ	08 13				
	i	E	12 08				
	i	NZ	15 00				
12	iP	NEZ	18 51 27 D	32.1	40	5.2	15.6S 167.3E
	iS	NEZ	56 38				
	i	NZ	59.1				
	i	E	19 00.1				
13	eP	NEZ	03 47 20	25.7	33	4.9	24.1S 111.9E
	i(S)	NEZ	52 02				
	i	NEZ	55 20				
	i	EZ	57 04				
14	eP	NEZ	03 17 26	52.5	181	5.3	2.0N 99.1E
14	eP	NEZ	18 05 19	31.5	33	4.9	8.3S 120.4E
15	e	E	04 39 22				
	e	NZ	40 48				
	i	NZ	41 50				
15	e	E	11 03 20				
	i	NZ	05 30				
15	eP	NEZ	18 10 16	41.4	553		17.8S 178.5W
16	iP	NEZ	01 00 51.2 U	30.9	18	5.0	18.3S 168.1E
	e	N	09 26				
	e	EZ	10 00				
16	eP	NEZ	06 06 22	42.5	48	5.0	19.5S 176.3W
	eL	NEZ	18.6				
16	iP	NEZ	08 14 48.3 U	33.3	50	5.1	13.1S 166.5E
	eL	NE	23.5				
	eL	Z	25.8				
18	iP	NEZ	02 14 17.6 D				
18	eL	NEZ	09 54.3				
18	eP	NEZ	23 38 24				Local
	e	NZ	38 46				
	i	NE	39 04.5				
	i	Z	39 05.5				
	i	Z	39 11				
	i	NE	39 12				

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Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
19	eP	NEZ	05 31 29	72.2	67	5.1	37.6N 141.3E
19	iP	NEZ	07 02 43.2 U	30.8	154		4.3S 144.1E
19	iP	NEZ	07 53 18.5 D	67.2	56	5.4	18.4N 95.3E
19	iP	NEZ	14 18 22.0 U	49.2	33	4.7	14.3N 144.1E
19	iP	NEZ	14 56 18.0 U	30.4	157		5.6S 147.2E
	iPcP	NEZ	59 14				
19	eP	Z	18 19 55				Local
	eP	NE	19 56				
	i	Z	19 57				
	i	N	19 57.5				
	iS	NEZ	20 54				
20	eP	NEZ	04 28 02	31.7	128	5.0	6.4S 153.8E
20	eP	NEZ	16 57 47	63.3	33	4.9	55.1S 129.4W
	eScS	NEZ	17 07 12				
	eL	NE	14.9				
	eL	Z	16.6				
20	eL	NEZ	19 23.0				Local
20	eP	NEZ	23 37 45				
	i	E	38 28.6				
	i	NZ	38 32				
21	eP	NEZ	08 13 38	29	143	4.6	7.2S 129.0E
21	eP	NEZ	11 46 43				
21	iP	NEZ	12 01 52.1 D				
22	iP	NEZ	06 41 30.2 U	83.1	453	5.6	48.2N 146.7E
	i	Z	43 15				
22	iP	NEZ	07 13 51.0 U	86.4	38	5.6	57.9S 25.3W
	eS	NE	24 36				
22	eL	NZ	07 45.0				
	eL	E	47.0				
22	ePKP	NEZ	12 34 02	151.8	62	4.4	19.1N 67.9W
23	iP	NEZ	02 25 40.0 D	32.3	48	5.6	14.9S 166.9E
	iS	NEZ	30 50				
	eL	NEZ	34.0				
23	iP	NEZ	20 48 18.0		33	4.1	34.2S 139.3E
	iS	NEZ	48 27.0				Local
24	eP	NEZ	07 38 59.5	36.5	11	5.0	30.6S 177.9W

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Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
24	eP	NEZ	93.3	33	4.7	38.3S 92.1W	
	eL	NEZ					16 59 02 17 28.6
25	eP	NEZ	40.9	67	4.9	15.6S 179.1E	
	eL	N					03 26 33 36.2
	eL	EZ					38.0
27	iP	NEZ	52.5	214	5.5	17.5N 145.4E	
28	eL	NEZ				08 36.0	
29	iP	NEZ	34.2	101	4.5	11.5S 166.2E	
29	eP	NEZ	50.4	33		9.8S 90.6E	
	eL	N					09 30 19 44.0
29	iP	NEZ	46.7	33	4.6	12.1N 140.6E	
29	eP	NEZ	33.1	161	5.2	14.7S 167.4E	
	i	NEZ					22 23 49.8 24 42
	iS	NEZ					28 54
30	eP	NZ	32.9	73	4.9	4.7S 152.9E	
	eL	NEZ					22 17 09 28.2

Seismograms read by A. Slade.

Dr. D.J. Sutton  
Director.

UNIVERSITY OF ADELAIDE SEISMOGRAPH STATION
BULLETIN FOR DECEMBER 1966

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
1	eP	NZ	00 39 31	36.8	123	5.3	0.1N 125.6E
1	iP i iS	NEZ NEZ NEZ	05 03 23 U 04 02 08 28	33	132	6.1	14.0S 167.1E
1	eP	NEZ	11 46 12	42.5	111	5.1	6.2N 126.6E
2	iP i iSS	NEZ N EZ	09 38 40.0 U 45 34 47 18	39.3	92	5.8	3.2N 128.1E
3	eP	NEZ	06 12 29.5				
3	iP iS	NEZ NEZ	14 19 52.4 D 25 02.3	37	4 92	5.1	24.7S 179.9E
4	eL	NEZ	18 27.0				
5	eP iS	NEZ NEZ	17 08 08 08 32.9				Local
6	eP i eL eL	NEZ NEZ NE Z	03 28 29 29 30 38.5 40.2	30.7	33	4.8	4.4S 134.1E
6	eP	NEZ	19 15 07				
6	eL	NEZ	21 47.3				
7	iP i iS	NEZ Z NEZ	02 20 10.6 20 17 20 34.5				Local
7	iP	NEZ	14 10 02				
7	iP i eL eL	NEZ N E NZ	17 07 58.0 D 22 34 23.2 24.0	46.8	33	5.1	11.9N 142.6E
7	iP iPcP eL	NEZ NZ NZ	17 29 52.0 U 29 59.3 56.0	79.8	26	5.8	44.3N 151.7E
8	ePKP <sub>1</sub> iPKP <sub>2</sub> i	NEZ Z E	00 14 13 14 19 14 21	150.7	141	5.0	18.3N 68.5W
8	eL	NEZ	02 28.0				
8	eL	NEZ	06 43.0				

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Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
8	iP i i e	NEZ NEZ NE Z 12 37 49.1 D 40 13 45 52 48.4				
8	eP i i	NEZ Z NE 15 22 43 23 15 23 21				
9	iP	NEZ 02 07 02 U	39.3	502	4.3	21.4S 179.0W
9	iP	NEZ 04 07 28.2 D	34.8	688	4.5	26.2S 178.0E
10	eL	NEZ 09 09.0				
10	ePKP iPP iPKS iSKKS iPS iPPS	NEZ EZ NEZ E EZ EZ 13 25 32 27 54 29 00 34 46 38 00 39 40	130.1	70	5.6	14.3N 92.0W
10	eP iS i i eL eL	NEZ NZ E NEZ E NZ 18 14 38 19 50 19 54 21 20 22 46 24.0	31.8	33	5.7	3.6S 145.4E
11	iP	NEZ 17 41 38.4 D	35.3	16	4.8	11.7S 166.5E
11	eP i(PPS) eL	NEZ E NEZ 20 00 50 08 48 11.0	48.6	59	5.4	13.4N 145.8E
13	eP	NEZ 10 16 21.8	31.5	41	4.9	5.1S 129.7E
14	eP i i iS	NEZ Z NE NEZ 19 34 29 34 58 34 59 40 11	29.1	110	4.8	7.0S 129.5E
14	iP iPPP i iS eL	NEZ NZ N NEZ NEZ 21 14 01.0 U 15 34 18 30 18 55 20.2	30.4	74	6.0	4.8S 143.9E
15	iP	NEZ 02 19 09.2 U	70.3	81	5.7	21.7N 94.5E
15	iP	NEZ 14 38 17.8 D	30.4	179	5.0	5.5S 147.4E
15	eP	NEZ 19 11 54	14.3	33		40.4S 155.4E
16	eL	NEZ 03 22.5				

3.

DECEMBER

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre	
16	eP i i	NEZ NEZ NEZ	10 10 15 12 33 17 50	28.9	118	4.8	7.2S 129.4E
16	iP ePP iS i(PPS)	NEZ Z NE N	21 04 49.0 U 08 04 15 10 16 14	84.1	9	5.9	29.6N 81.0E
17	iP eL eL	NEZ NE Z	07 52 54.3 D 08 02.0 04.8				
17	eP	NEZ	08 55 07				
17	eP	NEZ	13 35 00				
18	eL eL	NE Z	10 04.0 05.0				
20	iP	NEZ	12 30 45.8 D	32.9	59	5.1	2.9S 129.8E
20	eP i	NEZ NEZ	12 42 24 48 17				
20	i(P)	NEZ	12 55 06.3 U				
20	iP i iPP i iSS	NEZ NEZ NEZ NE NEZ	16 25 39.4 D 26 49.5 26 57.3 30 08 32 26	29.9	441	5.4	7.2S 126.1E
20	eP i iS eL	NEZ NEZ NE NEZ	18 48 45 48 53 56 12 19 00.2	51.5	37	5.4	14.3N 122.1E
21	eP	NEZ	01 49 43				
21	eP	NEZ	04 10 30				
21	iP iPP iS i eL	NEZ NEZ NEZ NZ NEZ	08 57 58.0 U 59 12 09 02 47 04 09 04.3	31.1	245	5.6	20.0S 169.7E
21	eP	NEZ	10 38 00				
21	iP	NEZ	11 45 55 U	42.4	99	5.2	5.9N 126.1E

DECEMBER

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
22	eP iS	NEZ NEZ 07 38 38 39 16.6				Local
22	eP iS	NEZ NEZ 08 23 42 24 22				Local
22	eP i iS	NEZ NEZ NEZ 09 58 39 58 44 59 24				Local
23	iP	NEZ 01 18 15.3 D	41.5	575	5.0	17.9S 178.6W
23	eP	NEZ 14 59 21.5				
23	iP iPP iS	NEZ NE NEZ 15 56 19.4 U 57 23 16 01 06	29.2	43	6.4	7.1S 148.3E
24	eP	NEZ 06 11 13	60.2	18	5.1	25.4N 142.6E
24	eL	NEZ 06 57.5				
26	iP	NEZ 01 14 26.1 D	30.2	120	5.0	5.9S 148.1E
26	eP eL	Z NEZ 17 23 13.5 33.5	33.3	37	5.2	11.0S 164.2E
27	eP i eL	NZ Z NEZ 01 33 35 33 49.8 58.5	71.7	60	5.5	37.1N 141.0E
27	eP iS eL eL	NEZ N NE Z 05 48 18 53 18 55.0 56.0	29.6	79	4.8	5.9S 145.4E
27	e i eL	Z E NEZ 21 35 36 40 36 43.9				
28	ePKP ePP i iSKS i i	NEZ NEZ NEZ NE NEZ Z 08 32 53 36 42 37 42 43 22 47 30 47 38	113.7	47	6.9	25.5S 70.7W
28	eP	NEZ 09 54 48				
28	eP	NEZ 16 07 59	31.9	55	4.5	4.3S 128.6E
29	eL eL	NE Z 12 31.8 33.0				

DECEMBER

Date	Phase	Time	$\Delta^\circ$	h (kms)	Mag.	Epicentre
29	eP NEZ	14 02 36				
29	eP NEZ	21 36 39.5	37.7	54	5.0	1.2N 126.8E
29	eP Z	22 29 00	85.6	33	5.4	32.8S 111.7W
29	eP Z	23 28 51	84.4	33	5.4	60.6S 50.4W
	i(S) NE	39 38				
	i NE	45 18				
	eL NEZ	51.4				
30	iP NEZ	01 07 05 D	39.6	658	5.0	17.8S 178.9E
30	iP NEZ	04 30 28.3 D	32.6	601	5.2	7.2S 119.9E
	i Z	30 59				
	i NEZ	31 56.5				
	iS NEZ	35 01				
30	iP NEZ	13 21 28.8 D	39.6	670	4.2	17.9S 178.9E
31	iP NEZ	18 29 48.4 U	34.2	33		11.8S 166.5E
31	eP NEZ	19 45 12	34	33	5.1	11.6S 166.0E
31	eP NEZ	21 06 27	34	33	4.6	11.6S 166.0E
31	eP NEZ	21 36 42				
31	eP NEZ	22 21 51	33.5	33		11.3S 164.8E
	ipP NEZ	22 04				
31	eP NEZ	23 01 12				

Seismograms read by A.Slade.

 Dr. D.J. Sutton  
 Director.