

JAN - MAY MISSING

COMMONWEALTH OF AUSTRALIA.
Department of National Development.
Bureau of Mineral Resources, Geology and Geophysics



MUNDARING GEOPHYSICAL OBSERVATORY

Mundaring - Western Australia

SEISMOLOGICAL BULLETIN

Latitude: $31^{\circ}58.5' S$

Longitude: $116^{\circ}12.5' E$

Height: 253 metres.

Foundation: Precambrian granite

Instruments: World-wide Standardized Seismograph System No. 44

Nominal Magnifications - S.P. 25000; L.P. 750.

JUNE 1962.

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	3	iP	13	49	53						
2	5	iP	16	49	22						
3	7	eP	04	58	52						
4	8	eP	21	02	03						
5	9	iP	06	14	20						
6	9	iP	07	48	04						
7	9	ePKP	20	17	00						
8	14	iPKP	20	37	22						
9	15	eP	09	13	02						
10	15	eP	12	04	56						
11	16	eP	06	33	47						
12	17	eP	04	37	21						
13	18	iP	23	50	26						
		iS		56	40						
14	19	eP	06	20	48						
15	19	iP	15	55	49						
16	19	iP	16	48	42						
17	20	eP	23	18	43						
18	21	e(PKP)	05	03	29						
19	21	iP	22	58	36						
		eX	23	03	41						
20	22	eP	11	59	57						
21	22	eP	15	02	49						
22	23	iP	09	54	33						
		eS	10	02	34						
23	23	eP	10	07	29						
24	24	iP	01	31	18						
25	25	iP	01	40	38						
26	25	eP	11	20	03						
27	25	iP	12	56	50						
28	27	eP	03	37	31						
29	27	eP	13	43	08						
30	28	iP	18	56	52						
31	28	eP	20	54	44						
32	28	iP	20	57	35						
33	29	eP	13	54	44						
34	29	eP	22	48	39						
35	30	eP	19	38	30						
		iP			40						

P.M. McGregor.
Observer-in-Charge.

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Nominal Magnifications - S.P. 25000; L.P. 750.

JULY 1962.

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	1	iP	01	40	49	19	16	epP	35	21	
		epP		41	27	20	18	iP	05	58	43
2	1	eP	03	01	26	21	20	eP	23	37	10
3	1	iP	03	48	03	22	23	eP	23	17	54
		epP			11			epP		18	24
4	1	eP	13	45	47	23	24	iPKP	21	27	53
5	1	e(P)	19	16	38			ePKP		28	15
6	2	iP	08	41	31	24	25	eP	09	45	11
		ipP			55	25	26	iPKP	08	34	29
		iS	08	48	40			ipPKP			34
		isS		49	20	26	28	iP	00	15	54
7	3	eP	18	24	44	27	30	iP	17	24	08
		epP			52			iS		29	58
8	3	eP	18	33	51			iLg		37	13
		epP			56	28	30	iPKP	20	38	31
		eS		43	35	29	31	iP	05	22	02
9	4	iP	14	28	05						
10	5	iP	07	41	30						
		epP			45						
11	6	iP	23	17	21						
		ipP		18	15						
		eS		27	04						
12	7	iP	11	53	03						
		iX			37						
		iX		58	07						
	8 - 11	at 0800 NIL.									
13	11	iP	12	48	38						
		eS		55	09						
	12	NIL.									
14	13	iP	03	39	44						
		iS		46	00						
15	14	e(P)	02	36	22						
16	14	e(P)	08	16	54						
17	14	iP	23	44	10						
	15	NIL.									
18	16	eP	02	10	31						
		epP			39						
		eS		15	09						
19	16	iP	09	34	34						

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Nominal Magnifications - S.P. 25000; L.P. 750.

AUGUST 1962.

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	1	iP	04	44	18	28	20	iP	11	31	41
		iS		50	14	29	20	eP	13	02	47
		eLg		57	17			iX		03	01
2	1	eP	15	59	13			eX		06	14
3	2	iP	13	34	36			iX			18
4	3	iPKP	09	15	03	30	21	eP	15	51	49
		iPP		16	53	31	21	eX	21	16	37
5	3	iP	10	13	12	32	22	eP	11	16	06
6	3	iP	10	25	11	33	23	iP	21	05	33
		ipP			21	34	24	eP	06	55	51
7	4	NIL.				35	25	iP	08	40	55
	5	iP	15		20			ipP	42	42	50
		ipP			45			iS		48	19
8	6	eP	08	53	46	36	26	eP	23	37	37
9	6	iP	21	01	41	37	27	eP	18	37	06
		eS		09	34	38	27	iP	23	36	21
10	7	iP	08	52	02			ipP			33
11	8	eP	07	15	01	39	28	iPKP	11	18	19
12	8	eP	09	28	40		29	NIL.			
13	8	eP	13	43	53	40	30	iP	17	28	11
14	9	ePKP	04	41	27			ipP			20
15	10	iP	21	23	43	41	31	eP	10	43	49
16	11	iP	01	56	40						
17	11	iP	08	25	17						
		iS		33	00						
18	11	eP	18	18	31						
		eX		19	17						
		eX		24	14						
	12	NIL.									
19	13	ePKP	06	55	30						
		ipPKP			38						
20	14	iP	01	18	15						
		eS		24	05						
21	15	iP	03	36	06						
22	15	eP	10	05	54						
	16	NIL.									
23	17	eP	05	12	26						
		iS		18	49						
24	18	iP	04	10	34						
25	18	eP	10	04	58						
26	18	eP	22	57	53						
27	19	iP	18	38	57						
		ipP		39	12						

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Height: 253 metres. Foundation: Precambrian granite
Instruments: World-wide Standardized Seismograph System No. 44
Nominal Magnifications - S.P. 25000; L.P. 750.

SEPTEMBER.

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	1	iP	05	00	42	23	18	iP	16	17	22
		ipP		01	36			epP			31
2	1	eP	06	34	22	24	19	eP	02	01	58
3	1	iP	19	33	44	25	19	eP	07	57	21
		ipP			53	26	19	e(P)	16	28	56
4	2	iP	15	26	47	27	19	iP	18	11	33
		ipP			56			i(pP)			40
		iX		30	38			eX			23
		eS			48	28	20	eP	16	45	15
5	2	eP	15	43	43		21	NIL.			
6	3	iP	00	01	50	29	22	iP	07	01	42
7	3	ePn	19	11	21			iS		10	03
		eSn		12	36	30	22	iP	15	17	01
8	4	eP	17	21	04		23	NIL.			
9	5	iP	11	24	01	31	24	iP	05	36	17
10	6	eP	10	59	11	32	25	eP	00	33	09
11	6	iP	11	16	52	33	26	iP	02	12	58
		eS		21	44	34	26	eP	12	54	33
12	6	iP	15	11	17	35	26	iP	13	34	02
13	7	eP	07	47	32	36	27	iP	07	03	50
		iX		48	13	37	27	iP	13	02	09
		iX	07	53	08			epP			44
	8	NIL.				38	27	i(P)	13	05	12
	9	NIL.				39	27	e(P)	13	08	40
14	10	iP	15	52	54	40	27	iP	13	34	22
		epP		54	59	41	28	iPKP	19	15	42
		eS	16	00	07	42	29	iPKP	15	35	35
	11	NIL.						iPP		37	15
15	12	eP	18	26	07	43	29	iP	15	45	40
		eX		27	32	44	29	eP	20	51	05
		eX		39	08	45	30	eP	06	53	09
16	12	iP	21	09	09	46	30	iP	10	56	10
	13	NIL.				47	30	iP	11	06	21
17	14	iP	18	27	22	48	30	iP	22	06	18
		epP		28	42						
18	15	iP	23	03	34						
19	16	eP	19	16	41						
20	17	iP	18	04	44						
21	18	iPKP	00	49	02						
22	18	ePKP	05	33	22						

I.B. Everingham.
A/g Observer-in-Charge.

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Height: 253 metres. Foundation: Precambrian granite
Instruments: World-wide Standardized Seismograph System No. 44
Nominal Magnifications - S.P. 25000; L.P. 750.

OCTOBER. 1962

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	1	iP	04	06	06	29	9	iS	28	41	
2	1	eP	10	05	38	30	9	eP	22	53	35
3	1	iP	12	26	25	31	10	eP	13	38	20
		eP			29			epP			30
4	1	iP	15	15	13	32	10	eP	16	35	22
5	1	iP	20	52	49	33	10	eP	22	03	20
		epP		53	28			epP			28
6	2	eP	12	42	11	34	11	eP	18	13	26
7	2	iP	19	58	48	35	12	iP	10	57	58
	3	NIL.				36	13	iP	08	36	58
	4	NIL.				37	13	eP	10	36	42
8	5	eP	22	05	41	38	13	iP	18	56	36
		eX		11	25			epP			45
9	6	ePKP	03	36	58			iS	19	03	46
10	6	iP	04	32	06	39	14	iP	00	39	14
		ipP			15	40	14	iP	01	45	44
		iS		39	08	41	14	eP	05	12	05
11	6	eP	05	48	28	42	15	iP	23	44	34
12	6	eP	07	25	46			i(pP)			37
13	6	eP	08	05	04			iPcP		46	25
14	6	eP	08	12	15	43	16	eP	09	59	11
		ipP			25	44	16	eP	18	55	18
		iS		19	18		16	eP	19	11	03
15	6	iP	11	09	30			eS		12	46
		ipP		10	17		17	NIL.			
		iS		16	24	45	18	eP	02	10	23
16	6	e(P)	12	12	05	46	18	iP	04	11	01
17	6	iPKP	14	24	41			epP			06
18	6	e(pP)	18	10	02			iS		15	07
19	6	iP	23	37	17	47	18	iP	08	53	10
20	6	iP	23	40	09	48	18	eP	11	34	56
		epP			29	49	18	iPKP	20	09	30
		iS		47	08	50	19	eP	03	51	19
21	7	iP	00	57	45	51	19	eP	05	22	27
22	7	iP	00	59	48	52	19	iP	23	48	21
23	7	eP	05	48	00	53	20	iP	05	36	20
24	7	eP	12	42	40	54	21	eP	08	26	30
25	7	eP	16	12	53	55	21	iP	12	39	10
26	8	eP	19	21	52	56	21	iP	23	23	35
27	8	eP	22	06	00	57	22	iP	01	19	04
		iS		13	47	58	22	iP	04	42	07
28	9	eP	16	11	01	59	22	iP	05	30	15
		epP		12	02			iS		31	57
29	9	eP	20	22	23	60	22	eP	15	36	27
		ipP			31	61	23	eP	00	36	46



No.	Date	Phase	Time (GMT)	No.	Date	Phase	Time (GMT)
62	23	iP	10 07 17				
63	23	eP	16 40 39				
	24	NIL.					
64	25	iP	09 41 04				
		epP	24				
		iS	46 38				
65	25	iP	12 46 28				
66	25	ePKP	16 12 11				
67	25	iP	16 16 51				
68	25	iP	20 13 31				
		i(sS)	19 32				
69	26	eP	07 29 06				
		epP	16				
		eS	36 06				
70	26	iP	16 11 19				
71	26	iP	22 21 49				
72	27	iPKP	08 30 03				
73	27	iPKP	14 12 35				
74	28	eP	15 06 45				
75	28	iPKP	23 12 35				
76	29	iPKP	00 39 27				
77	29	iPKP	11 13 20				
		iPKP	34				
78	30	eP	01 58 08				
79	30	iPKP	08 51 37				
		iPKP	56				
80	30	eP	15 30 48				
81	30	iP	15 47 57				
82	31	ePKP	11 52 13				

P.M. McGregor.

Observer-in-Charge.

6th February 1963.

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Bureau of Mineral Resources, Geology and Geophysics



MUNDARING GEOPHYSICAL OBSERVATORY

Mundaring - Western Australia

SEISMOLOGICAL BULLETIN

Latitude: 31°58.5' S

Longitude: 116°12.5' E

Height: 253 metres.

Foundation: Precambrian granite

Instruments: World-wide Standardized Seismograph System No. 44

Nominal Magnifications - S.P. 25000; L.P. 750.

NOVEMBER 1962.

No.	Date	Phase	Time (GMT)			No.	Date	Phase	Time (GMT)		
1	1	iP	09	56	08	32	9	eP	18	08	40
2	1	iPKP	11	51	02	33	10	eP	21	18	28
3	1	iP	14	15	13			e(pP)			33
4	1	cP	15	40	29	34	11	iP	06	34	29
		epP			48	35	11	iP	07	47	04
		eS		46	17			epP			10
5	1	iP	17	59	29			e(sS)		53	30
		epP			33	36	11	eP	10	39	37
		eS	18	05	17			epP			43
6	2	eP	14	51	27	37	11	iP	11	44	30
		e(pP)			35	38	11	iP	16	18	44
		eS		55	30			iS		25	49
7	2	iP	15	17	26	39	11	eP	22	28	21
		e(pP)			34			ePP		32	41
8	2	e(P)	16	22	06	40	12	eP	12	59	16
9	2	e(P)	17	26	47	41	13	eP	02	52	28
10	2	e(P)	18	14	21			i(pP)			41
11	2	eP	20	56	30	42	13	iP	05	03	08
12	3	eP	00	42	02	43	13	eP	13	27	26
13	3	iP	01	08	41			e(pP)			38
14	3	iP	03	17	26	44	13	iP	22	00	30
15	3	iP	05	05	18	45	14	eP	07	59	20
16	3	eP	06	33	48	46	14	e(P)	15	47	11
17	3	eP	13	52	44	47	14	eP	22	05	43
18	3	iP	14	36	53			ipP			54
19	3	eP	18	14	10			eS		10	46
20	4	eP	13	49	28	48	15	iP	11	39	43
21	4	eP	19	39	38	49	15	ipP			42
22	4	ePP	23	11	58	50	15	iPKP	23	44	35
	5	NIL.				51	16	ePKP	06	58	41
23	6	iP	00	22	11	52	16	iP	10	01	57
24	6	eP	03	59	41	53	16	iP	21	18	55
25	6	e(P)	17	50	10			ipP		19	04
26	6	iP	21	34	43			eS		26	04
		ipP		35	04	54	17	eP	00	02	39
27	7	iP	06	31	09	55	17	eP	00	32	06
28	7	iP	12	11	56	56	17	ePKP	11	26	53
29	7	iPKP	13	17	37			i(pPKP)			58
30	7	iP	16	08	05	57	17	iP	14	27	35
		e(pP)			38			iS		32	24
		e(S)		12	28	58	17	e(P)	21	18	21
31	8	iP	10	12	05						



No.	Date	Phase	Time (GMT)	No.	Date	Phase	Time (GMT)
59	18	iP	06 49 32				
60	18	iP	12 10 52				
	19	NIL.					
61	20	iP	10 19 13				
62	20	iP	13 06 44				
63	21	iP	19 49 23				
64	22	iP	07 12 51				
65	22	eP	07 46 04				
		epP					
66	22	iP	08 46 16				
67	23	iP	10 48 59				
68	23	iP	14 43 18				
69	23	iP	23 14 42				
70	24	iP	08 20 32				
		epP					
72	24	iP	10 42 57				
		iX					
73	24	iP	16 05 07				
		ipP					
74	24	iPKP	16 39 37				
		epPKP					
75	24	eP	17 30 50				
		iPP					
76	25	eP	00 16 16				
77	25	eP	15 03 30				
78	26	eP	00 31 51				
79	26	eP	16 08 51				
		epP					
80	27	iP	07 02 29				
		ipP					
		eS					
81	27	iP	12 15 40				
82	27	iP	16 59 30				
		ipP					
		eS					
83	28	iP	02 44 51				
		ipP					
		eS					
84	28	eP	15 34 25				
85	29	iP	09 13 58				
86	29	iP	19 15 25				
		epP					
		eS					
87	29	eP	19 22 14				
88	30	eP	16 12 01				
89	30	iP	17 00 26				
90	30	ePKP	22 10 51				

P.M. McGregor.
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MUNDARING GEOPHYSICAL OBSERVATORY

Mundaring - Western Australia

SEISMOLOGICAL BULLETIN

Latitude: 31°58.7' S Longitude: 116°12.5' E
Height: 253 metres. Foundation: Precambrian granite
Instruments: World-wide Standardized Seismograph System No. 44
Nominal Magnifications - S.P. 25000; L.P. 750.

DECEMBER 1962.

No.	Date	Phase	Time (GMT)	No.	Date	Phase	Time (GMT)
1	1	iP	04 26 32.7	27	11	iP	18 31 14.6
		epP	52			epP	32
2	1	iP	21 12 00.5	No record 0200 on 12th to 1800 on 14th.			
3	2	iP	05 39 13.2	28	15	iP	14 30 34.1
4	2	iP	22 42 47.0	29	16	eP	11 23 42
		eX	46 55	30	17	iP	11 06 29.1
5	3	iP	16 44 01.0			eS	11 26
6	4	eP	09 11 31	31	17	eP	22 07 47
7	4	iP	10 42 01.4	32	18	iP	03 04 18.1
		ipP	48 05 13.9	33	18	iP	10 43 15.4
		eS	16 50 47.8	34	18	eP	12 44 07
8	4	eP	17 59 37	35	19	iP	13 04 21.9
		eS	20 28 22			epP	48
9	4	eP	32 17			eS	10 44
10	4	eP	27	36	20	iP	02 06 25.2
		e(pP)	32 17	37	20	iP	08 43 02.8
		eS				epP	09
	5	NIL.		38	20	iP	08 51 38.8
	6	NIL.		39	20	iP	08 56 11.8
11	7	iP	14 13 34.1	40	20	iP	18 17 57.0
		iPcP	14 03.2			eS	25 00
		ipP	15 03.7	41	21	eP	00 09 55
		iS	21 40.2	42	21	iP	00 49 18.3
12	8	eP	00 03 08			epP	36
13	8	eP	18 29 11			eS	53 18
		epP	37 48	43	21	iP	09 45 09.5
		eS	21 45 01			iPcP	30.0
	8	ePKP	53 56	44	21	iP	17 43 58.3
14		e(SKKS)	21 55 07.2			eX	17 49 06
15	8	iP	03 22 25	45	21	iP	18 29 14.1
16	9	eP	14 35 04	46	22	iP	01 01 04.5
17	9	eP	14 55 25			ipP	14.1
18	9	iP	17 43 18.5			eS	08 04
19	9	iP	21 04 44.4			eS	10
20	9	iP	05 04 42.0	47	22	iP	02 04 48.5
21	10	epP	11 32			epP	05 07
		eS	06 20 06			eS	08 48
22	10	eP	14 52 18.0			eS	57
23	10	iP	17 05 46	48	22	iP	09 31 23.8
24	10	eP	23 10 03	49	22	iP	10 47 30.3
25	10	e(P)	14 03 40.7	50	22	iP	14 16 46.2
26	11	iP		51	22	e(PS)	15 46 40

MUNDABING.

International
Seismological
Centre

No.	Date	Phase	Time (GMT)	No.	Date	Phase	Time (GMT)
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52	22	iP	23 35	42.7			
		epP	36	05			
	23	NIL.					
	24	NIL.					
53	25	iP	18 34	47.0			
54	26	iP	23 36	47.5			
		ipP		56.0			
55	27	iP	04 48	37.8			
56	27	iP	12 53	13.2			
		e(pP)		28			
57	27	iP	14 09	20.0			
		iPcP		11 34.0			
58	27	eP	18 30	20			
	28	NIL.					
59	29	iP	04 19	06.5			
60	29	eP	08 15	57			
		epP		16 06			
61	29	ePKP	11 00	07			
		epPKP		19			
		eSS		19 27			
62	29	iP	14 57	14.0			
		eS	15 04	57			
63	30	iP	18 24	20.5			
		ipP		18.0			
		eS		30 48			
64	31	iP	02 53	47.5			
65	31	iP	11 07	58.8			
		eS		13 38			
66	31	iP	17 27	12.8			
67	31	iP	19 48	57.3			
		ipP		10.5			
		eS		56 02			

P.M. McGregor.
Observer-in-Charge.