

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF NATIONAL DEVELOPMENT

Reference -
4V/1/2

Bureau of Mineral Resources,
Geology and Geophysics,
203 Collins Street,
MELBOURNE. C.1. VICTORIA.



PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY:

<u>MELBOURNE</u>			<u>MAWSON</u>		
JULY 1961			JULY 1961		
28	eP	06 17 25	27		NIL
	e	17 31			
	e	23 39	28	iP	00 13 37
	eP	17 22 42		iP	06 23 39
29	eP?	01 48 33		eS	33 36
	e(P)	10 38 20		iP	13 32 34
	iP	16 34 18 down,north east		iP	15 38 43
	i(pP)	34 29		iP	17 28 48
30	iP	11 11 18 up	29	iP	02 00 51
31	eP	00 24 08		eP	12 02 57
	e(pP)	25 38		iP	16 39 22
AUGUST 1961			30	iP	14 18 18
1	iP	05 46 13		eiP	15 48 37
	ipP	46 19		iP	20 24 19
	i	46 29	31	iP	00 26 38
	iS	51 22		iP	23 45 52
	i	54 15	AUGUST 1961		
	i	54 47	1	eP	01 05 44
	eP	07 33 49		iP	05 18 32
	iSKS	44 17		iP	05 52 21
	e	50(07)		eS	06 02 45
	eP	09 47 15		eiP	07 28 34
	e(SKS)	57 45		eS	34 31
	iP	16 24 37		eiP	09 31 44
2		NIL		eP	09 42 01
3	iP	03 27 34		eS	47 57
	eP	06 44 04		eP	14 49 49
	iP	06 58 53 down			
	ipP	59 01			

MACQUARIE ISLAND
JULY 1961

26 eP 09 23 41

AUGUST 1961

1 eP 05 48 04

L.S. Prior
(L.S. PRIOR) *MLP*
ACTING CHIEF GEOPHYSICIST.

4. 8.61

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COMMONWEALTH OF AUSTRALIA
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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY:

MELBOURNE
AUGUST 1961

MAWSON (continued)
AUGUST 1961

3	eP	23 42 31
4	eP	23 05 15
	e(pP)	05 30
	eiP	23 38 15
6	e	08 32 $\frac{1}{2}$..
	e(P)	10 42 11
7	eP	04 30 03
	i	30 06
	i(S)	36 18
	eL	44 $\frac{1}{2}$..
	eP	12 29 02
	eL	41 ..
	eP	16 17 08
	e(S)	21 49
	iP	17 04 22
	i	04 24
	i	04 43
8	eP	00 25(30)
	eL	38 ..
	iP?	07 02 24
	i	02 25
	iP	12 31 56 down
9	iP	16 08 23
	i	08 25
	i(pP)	08 34
	i	08 40
	i	08 48
	i(S)	13 06
	i	14 47
	e(P)	16 15 19*
10	e(P)	01 49 38
	eiP	06 43 36

* possibly part of
previous.

4	iP	10 56 11
	i(P)	18 31 38
	iP	23 43 26
5	iP	01 20 10
	iP	02 47 14
	eP	06 54 42
	iP	09 40 22
	e(P)	16 31 40
6	eP	10 46 18
	iP	17 19 25
	eP	23 46 14
7	eiP	04 34 08
	iP	10 55 34
	iP	12 34 03
	iP	16 19 03
	iP	17 09 27
8	eP	00 30 30
	iP	05 56 07
	eiP	07 31 00
	i(P)	12 38 04
	i(PcP)	38 08
	eP	13 09 14
	iP	13 57 37
	iP	16 03 08
9	eP	00 05 00
	eiP	00 09 01
	iP	01 36 51
	iP	16 14 33
	eS	24 27

MAWSON
AUGUST 1961

2	iP	02 38 50
3	iP	03 30 08
	eP	07 03 47
	iP	14 44 30

L. S. Prior
(L.S. PRIOR)
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MELBOURNE
AUGUST 1961

MAWSON
AUGUST 1961

11	eiP	10 30 48
	iP	11 12 23 down
	iP	16 03 44 up, south
	i	03 56
	iS	13 47
	i	14 17
	iP	22 45 04 down, north, west.
	i	46 43
	i(S)	51 17
	eP	23 46 14
12	NIL	
13	iP	02 39 47 up
	e	40 18
	e(P)	06 11(51)
	a	11 57
	e(P)	12 59(54)
14	iP	18 57 52 down(north) east.
	i(pP)	58 06
	eL	19 08 $\frac{1}{2}$..
	iP	23 34 28 down
	iS	39 08
	i	40 38
15	iP	19 15 10 down
16	eP	03 40 05
	eL	50 ..
17	eP?	00 22 41
	eP	21 28 44
	ipP	29 22
	i	29 37
	iSKS or S	38 58
	iS or SKS	39 09
	i	40 04

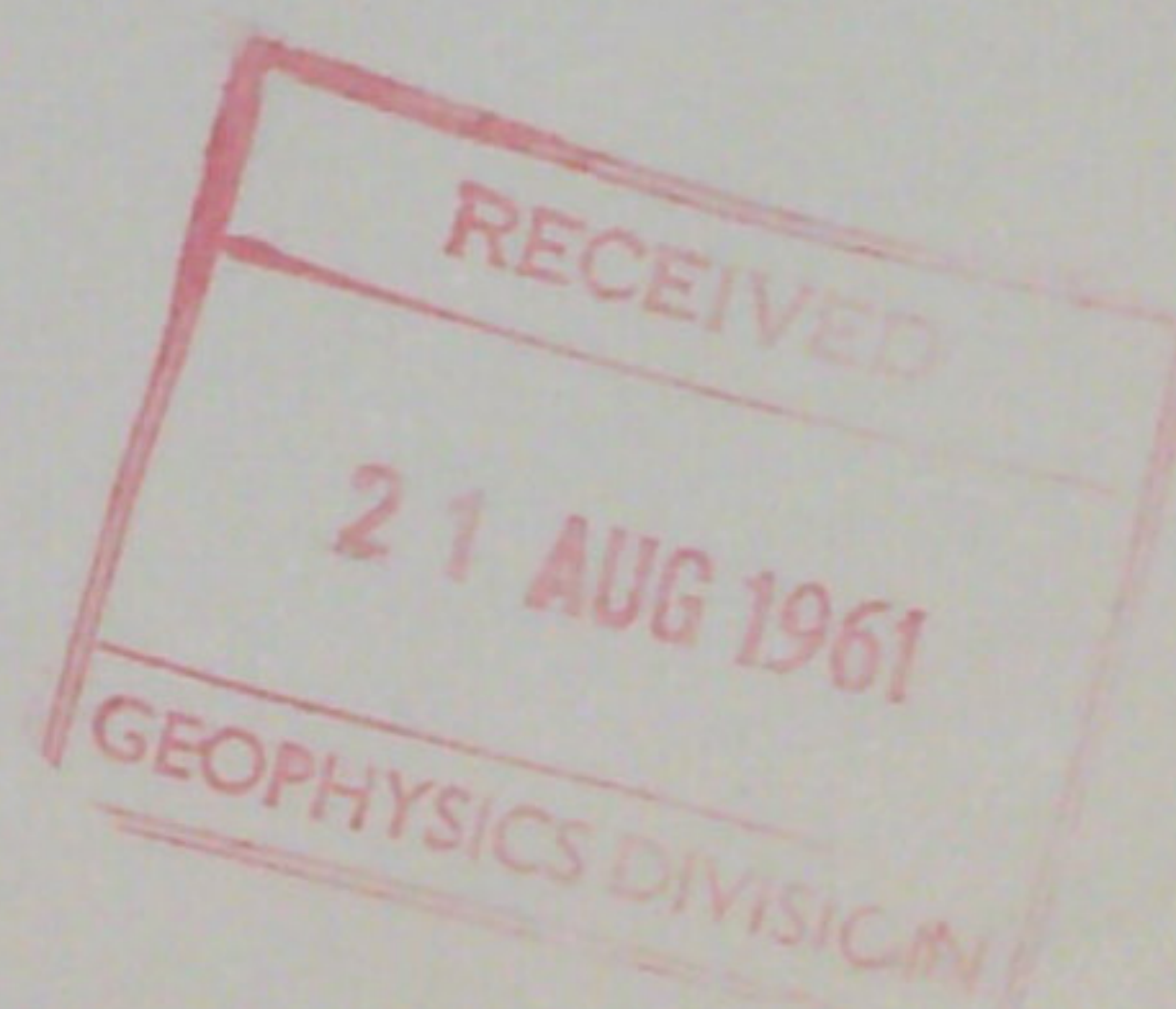
10	iP	06 48 42
	eP	16 05 15
	eP	17 34 59
11	eP	01 03 14
	iP	10 37 00
	iP	11 16 32
	iP	16 10 33
	iP	22 49 11
	eS	58 54
	eiP	22 52 49
	iP	23 52 50
12	NIL	
13	iP	14 11 47

MACQUARIE ISLAND
AUGUST 1961

7	iP	16 13 13
11	eP	22 47 28

L.S. Prior
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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY:

MELBOURNE
AUGUST 1961

MAWSON (continued)

AUGUST 1961.

18 iP 11 07 21 up, east
i 08 59

19 iP 05 27 35 down
i 29 16
i 31 17
i(S) 33 38
i 35 09
i(P) 05 37 42
i(S) 42 19
i 45 08
e 47 53

Record very confused, possibly
same 'quake.

20 eP 01 36 19
e(pP) 36 43
eL 45 ..
iP 05 10 43 down,north,east
i 12 32
iS 15 54

21 eP 16 14 31
iP 17 12 39 down

22 e(P) 09 05 44

24 e(P) 21 04 01
e 04 19

MAWSON
AUGUST 1961

14 eiP 10 06 03
iP 19 02 54
iP 23 40 34

16 iP 01 55 56
eP 03 45 05
eP 16 27(25)

17 eP 01 15 52
iP 05 15 45
iP 18 01 25
iP 18 02 39
iP 21 35 22
iS 38 48
ei(P) 21 38 31 *

18 iP 11 12 31

19 iX 05 29 47 **

iX 31 44

iP 07 16 12

eiP 11 40 02

iP 15 11 12

iP 16 13 43

iP 20 10 13

iP 20 37 54

20 eP 01 42 24

iP 05 15 45

iX 17 47

iS 25 17

iP 10 32 26

eP 16 53 27

21 iP 01 40 47

iP 02 17 55

iP 11 40 28

iP 16 19 26

22 iP 00 08 09

iP 03 16 00

eP 05 21 05

eiP 09 11 48

23 iP 01 20 26

eP 04 26 49

24 iP 05 11 21

* Probably part of previous.

** Initial phase lost in record change.

MACQUARIE ISLAND
AUGUST 1961.

20 eP 05 11 06

PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY (continued) :

WILKES

JULY 1961

4	iS	19 22 23
5	iP	03 33 06
	iPPP	33 34
	iS	36 44
	iSSS	37 28
	iScS	44 56
6	iP	22 19 32
	iPcP	20 20
	iPcS	24 24
	iS	27 20
	iSS	31 08
	iSSS	33 18
7	iP	13 21 32
	iP	21 46
	iPcP	22 04
	iPcS	26 09
	iS	30 06
	iScS	31 19
	iSS	34 16
8	iP	02 45 22
	iS	53 22
	iX	53 40
	iScS	54 43
	iSS	57 18
	iSSS	59 23
	iP	15 44 36
	iPcP	45 23
	iPP	46 39
	iS	52 39
	iPPS	53 05
	iSS	54 36
	i(SSS)	59 08
	i(S)	21 32 04
18	eP	15 16 46
	i(S)	29 42

WILKES (continued)

JULY 1961

22	iP	18 16 48
	iS	20 25
23	eP	14 13 28
	i(S)	22 04
	iP	22 01 17
	iS	09 06
28	eP	01 30 20
	iS	34 00

(L.S. PRIOR)

ACTING CHIEF GEOPHYSICIST.

25. 8. 61.

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MELBOURNE

AUGUST 1961

25	e(P)	21 35(39)
26	iP	18 08 46 down
	eP	18 59 21
27	e(P)	16 34 46
	e	35 08
	e	35 20
	iP	16 57 22 down (north)
	i	57 26
	i	57 47
	iS	17 05 05
	i	05 22
	iP	17 10 03 up
28	iP	07 47 15 down, north, East.
	iP	09 50 42 down (east)
29	NIL	
30	NIL	
31	eP	00 29 23
	eL	40 ..
	iP	02 06 25 up
	i	10 03
	i(P)	14 56
	i	14 59
	i	16 44
	i	18 38
	i	18 42
	i(S)	21 01
	i	22 33
	i(P)	25 02
	i	25 27
	i(S)	25 35

MAWSON

AUGUST 1961

24	iP	09 23 35
	eP	17 38 00
	eP	19 06 12
	iP	21 10 10
	iP	23 01 06
25	iP	07 19 28
	eP	21 37(48)
27	iP	02 03 04
	eP	16 41 23
	iP	17 06 05
	iP	17 14 27

R.F. Thyer
(R.F. THYER)
CHIEF GEOPHYSICIST.

THREE OR MORE SHOCKS?

1. 9.61

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
SEPTEMBER 1961

1	iP	00 21 49 up
	i(pP)	22 12
	i	22 20
	i	25 33
	iS	31 54
	i(SKS)	31 58
	i	37 27
	i(PKKP)	40 10
	i	40 47
	i	43 18
	e	44 02
	e(PKPPKP)	48 18
	e	51 24
	eP	04 58 44
	iP	16 43 47 up
	iP	18 48 01

2	eP	03 50 59
	i	51 04
	i	51 25
	iS	54 39
	iP ?	04 46 45

6	eP	08 22 26
	i	22 34
	i	24 09

7	eP ?	06 45 57
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WILKES
AUGUST 1961

1	iP	05 51 34
	iPPP	55 28
	iPcS	56 16
	iS	06 00 23
	iSKS	01 24
	iSS	04 13
	iSSS	07 20

14	iP	23 38 40
	iS	46 32

17	iP	21 43 36
	iPcP	44 32
	iPP	45 34
	iPPP	47 09
	iS	51 28
	iScS	53 23
	iSS	55 19
	iSSS	57 35

WILKES (continued)
AUGUST 1961

27	iS	17 11 14
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31	i(P)	02 01 34
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MAWSON
AUGUST 1961

28	iP	06 41 06
	iP	07 52 54
	iP	09 55 43
	iP	15 10 33
	eP	20 38 57
	eiP	21 40 18

29	iP	10 56 06
	iP	15 11 02
	iP	21 46 00

30	eP	22 28 15
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31	iP	00 34 24
	iP	02 00 58
	iS	10 36
	iP	02 09 28
	iS	19 09

	eP	03 08 35
	eP	03 42 19
	iP	09 04 34
	e(P)	08 01 57
	iP	23 36 53

SEPTEMBER 1961

1	iP	00 16 39
	iS	22 17
	iP	13 03 33
	iP	19 09 29
	i(P)	23 38 39

2	iP	00 45 56
	iP	01 02(47)
	eP	06 30(37)
	iP	11 01 08

3	iP	09 14 36
	iP	16 16 26
	iP	16 51 36
4	iP	01 11 56

MACQUARIE ISLAND
AUGUST 1961

31	eP	02 26 02
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SEPTEMBER 1961

1	eP	00 20 15
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2	eP	03 48 22
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R.F. Thyer

(R.F. THYER) - CHIEF GEOPHYSICIST. -

8th September, 1961.

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY:

MELBOURNE
SEPTEMBER 1961

8	eP ?	06 38 03	
	iP	11 39 01	up, north.
	i(PcP)	39 12	
	i(pP)	39 27	
	i	39 35	
	i	42 03	
	i(S)	49 15	
	i(ScS)	49 25	
	i	50 05	
	i	50 45	
	i	12 05 03	
	i	08 13	
9	eP	15 30 23	
	eL	42 ..	
10	i(P)	05 13 53	
	i	14 01	
	i(P)	18 16 05	
	i	22 36	
11	e	20 13 21	
	e	16 44	
	i	17 05	
	i	17 38	
	i	17 54	
	i	18 20	
	i	20 01	
12	iP ?	00 23 45	
	eP ?	06 08 17	
	eP	19 41 30	
	eL	20 02 ..	
13	iP	03 12 11	
	i(pP)	12 19	
	iP	14 12 14	
	i(pP)	12 24	
	eL	26 ..	
14	iP ?	02 14 35	

MAWSON (continued)
SEPTEMBER 1961

5	e(P)	11 54 34
	i	54 48
	i	55 26
	i	12 06 19
	eP	15 21 22
	e(P)	16 42 15
	iP	17 22 20
	eiP	22 11 56
6	e(P)	01 59 38
	iP	08 26 37
	iP	09 58 46
	i(P)	22 56 06
11	iP	14 58 20
	eP	20 10 03
	iP	22 33 28
12	iP	01 26 16
	e(P)	15 15 02
	iP	19 36 26
	eS	42(24)
13	e(P)	14 15 25
	iP	21 30 06
	eS	37(10)

MAWSON
SEPTEMBER 1961

4	iP	10 08 50
	iP	16 21 24
	iP	17 35 18
	eP	19 32 30
	iP	22 45 41

R.F. Thyer
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CHIEF GEOPHYSICIST

15. 9.61.

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MELBOURNE
SEPTEMBER 1961

MAWSON (continued)
SEPTEMBER 1961

15 eP 02 05 10
iP 04 48 12
iPn 05 10 11.3)
iP* 10 12.2)
iPg 10 14.8)
iSn 10 33.8) regional
iS* 10 34.9)
iSg 10 35.9)
i 10 39.7)

17 eP 08 52 37
e(P) 17 20 43
eP 23 28 29
i(pP) 28 41
iS 33 37

18 i(P) 00 14 08
iP 15 38 51.4)
iS 54.6) local
eP 15 43 41
eL 48¹/₂..

19 iP ? 01 20 08
eP 02 44 44
eP 06 19 07
iP ? 06 46 58
iP 13 52 26
i(pP) 52 38
i 52 41
i 54 16

20 iP 19 10 24
i 10 27
i 10 40
i 11 47
i 11 49
i(S) 15 56

MAWSON
SEPTEMBER 1961

7 eP 09 30 51
eP 15 01 56
8 eP 03 12 46
eIP 09 30 15

8 iP 11 33 56
iS 39 49
i 39 54
iP 11 39 38
i(S) 43 50
iP 17 42 26
iP 18 01(21)
9 eP 15 36(26)

10 eIP 03 02 24
iP 04 56 52
eS 05 06 18
iP 04 58 47
iP 11 52 46
iP 17 56 02

11 iP 03 06 23
iP 06 08 20

14 eP 18 40(56)

15 iP 21 34 47

16 i(P) 12 28 20
iP 13 55 30

17 eP 23 03 02
iP 23 34 24

18 iP 11 30 39

19 iP 02 37 17
e(S) 46 45

eP 05 10 42

iP 09 31 13

iP 09 39 06

iP 11 18 10

iP 13 56 40

eP 16 02 06

iP 16 07 57

eP 16 12 49

iP 18 36 38

iP 21 41 40

eS 47 15

MACQUARIE ISLAND - SEPTEMBER 1961

17 iP 23 30 53

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(R. F. THYER)
CHIEF GEOPHYSICIST - 22. 9. 61.

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MELBOURNE

SEPTEMBER 1961

21	NIL	
22	eP ?	06 44 42
	i	44 44
	eP	20 12 43
23	eP	08 22 53
24	eP	21 52(15)
25	NIL	
26	NIL	
27	iP(PKP)	06 40 35 down, north east.
	i	40 58
	i	45 36
	i	45 46
	i	45 54
	i	49 47
	eP	12 19 54
	eL	41 ..
28	eP	01 33 02
	i	33 10
	eP	03 35 41

MAWSON

SEPTEMBER 1961

25	eP	10 57 56
26	eP	06 24(45)
	eP	12 56 49
27	iP	06 45 39
	eP	10 29 03
	eiP	10 59 05
	eiP	11 41 37
	iP	12 14 34
	eS	20 14
	eP	19 40 37
	eiP	19 46 52
28	iP	01 35 01

R F Thyer
(R.F. THYER)
CHIEF GEOPHYSICIST

29 9. 61

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SEPTEMBER 1961

29	iP	05 41 13
	eP	19 14 09
	i	14 30
	i	14 38
	i	15 46
	i	16 13
	iS	20 34
	i	20 38
	i	23 49
	i	24 23
	i	24 38
	e	27 10
	i	28 20

OCTOBER 1961

2	eP	01 28 12
	iP	05 59 32 up, east
	i	59 38
	eP	06 05 14
	iP	06 13 34
	eP	06 29 53
	iP	07 08 31
	i	08 44
	e(S)	13 40
	i	14 11
	i	16 28
	eP	11 59 40
	eL	12 13 $\frac{1}{2}$..

3	eP	19 06 02
	eL	15 ..

4	eP	02 29 38
	e(S)	37 10
	eL	39 $\frac{1}{2}$..

5 NIL

MAWSON

SEPTEMBER 1961

21	iP	14 07 55
	eiP	18 31 27
22	eP	16 03 16

MAWSON (continued)

SEPTEMBER 1961

23	iP	08 27 55
	eP	10 30 10
	iP	14 38 17
	iP	15 16 33
24	iP	04 51 03
	eP	09 48 59
	iP	15 20 19
	iP	17 00 11
	iP	19 23 39
	eP	21 59 37
	iX	22 00 41
	eiP	22 12 39

25	iP	01 35 26
	iP	02 46 59
	iX	47 51
	iP	04 34 16

29	eiP	08 57 49
	iP	17 09 35
	eP	19 18 09

30	iP	11 17 47
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OCTOBER 1961

2	iP	06 04 35
	iP	06 32 20
	eiP	07 13 35
	iP	11 14 13
	iP	12 04 58
	eP	15 43(12)

3	iP	06 15 44
	eP	19 12 00
	iP	20 39 17

4	iP	01 52 00
	iP	10 59 14
	e(P)	14 37(19)

5	iP	01 32(42)
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WILKESSEPTEMBER 1961

1	iP	00 18 26
	ipP	18 59
	iS	25 32
	isS	26 28
	iScS	28 06

2	iS	01 03 52
	iP ?	03 51 07
	iS	54 51

5	i(P)	11 54 10
---	------	----------

8	iP	11 35 43
	iPcS	40 49
	iS	43 04

12	iP	19 45 29
	iS	49 05

13	i(S)	14 22 51
	iP	21 30 42
	e(S)	40 10

17	iS	23 41 25
----	----	----------

19	iP ?	02 48 23
	i(S)	56 18
	i(S)	21 50 44

20	i(S)	19 23 41
----	------	----------

27	i(P)	06 52 08
	iP	22 16 31
	iPcS	21 40
	iS	23 31

R. F. Thyer
(R. F. THYER)
CHIEF GEOPHYSICIST. *CHP*
6.10.61.

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
OCTOBER 1961

6	iP ?	06 41 22
9	iP	10 48 56 up
	e	55(42)
	iP	23 43 44.1 *
	iS	44 02.2
	iP	23 59 54.5 *
	iS	24 00 12.6
10	iP	00 03 26.2 *
	iS	03 44.3
	iP	03 50 34 up,north,west.
	eP ?	06 59 32
	iP	08 32 20
	i	32 24
	i	32 53
	iP	08 45 57.1 *
	iS	46 15.2
	iP	13 36 32.4 *
	iS	36 51.5
	eP	17 31 37
	eS	37 13
	iP	18 51 33
	iP	20 51 10.0 *
	iS	51 30.0
11	iP	06 08 02
	eL	09 45 ..
12	eL	01 29 ..
	iP	03 51 09
	eP ?	06 10 43
	eL	18 ..
	eP	06 37 21
	eP	07 18 58
	eP	22 02 49
	eL	08 ..

* Regional : near Welsnpool,
South Gippsland.

MAWSON
OCTOBER 1961

5	iP	15 52 57
	iP	16 29 48
	iP	18 20 38
	eiP	23 22 10
6	iP	01 48 00
	iP	06 29 18
	iP	19 51 12
	i(P)	22 40 59
	iP	22 49 37
7	iP	08 22 48
	iP	08 27 30
	i(pP)	28 30
	eP	13 29 23
	eP	13 34 28
	iP	14 30 30
	eiP	17 39 08
	iP	19 32 06
8	eP	01 04 59
	iP	03 17 37
	iP	11 57 46
	iP	12 53 21
	iP	22 16 34
	iP	23 05 17
	iP	23 53 42
	iS	24 03 45
9	iP	01 49 09
	iP	10 53 48
	eP	11 17 11
	iP	11 24(04)
	iP	22 26 35
10	e(P)	00 01 56
	iP	03 55 46
	iP	04 11 47
	iP	08 38 16
	iP	16 19 20

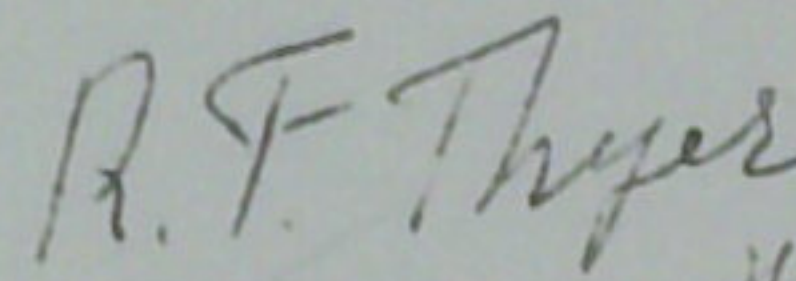
P.T.O.

MAWSON (Continued)OCTOBER 1961

10
(con'td) iP 17 37 07
eiP 18 56 31

11 iP 01 41 11
eiP 06 31 53
iP 09 40 44
iP 12 41 38
iP 16 15 15
iP 22 14 00

12 iP 03 55 02
iP 06 13 58



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4/3.

COMMONWEALTH OF AUSTRALIA
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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
OCTOBER 1961

13	NEZ	iP	05 11 42
	NEZ	iP	06 47 29.7
	NEZ	iS	47 43.4 regional
	NEZ	eP ?	07 23 03
	Z	iP	10 59 05
	Z	i(pP)	59 15
	EZ	eP	17 35 11
	N Z	eP	20 59 40
14	Z	iP	16 19 37
	E	eL	28 $\frac{1}{2}$..
16	Z	e(P)	01 20 03
17	Z	e(P)	04 39(54)
	E	eL	05 01 $\frac{1}{2}$..
	Z	e(P)	11 11(35)
	E	eL	30 $\frac{1}{2}$..
18	N Z	iP	02 56 19
	Z	i	56 35
	E	eL	03 05 ..
	Z	iP	07 38 11
	NE	e	17 14 51
	NE	e	16 07
	NE	e	16 41
	E	e	22 12
	E	e	23 27
	NEZ	eM	38 ..
19	NEZ	eP	09 16 30
	N Z	iP	19 30 35
	E	iS	33 54
	N	i	34 01
	E	i	34 05

MACQUARIE ISLAND
OCTOBER 1961

12	eP	21 59 12
13	eiP	05 10 10

MAWSON
OCTOBER 1961

12	iP	08 36(49)
	iP	14 12 17
	iP	14 59 22
	iP	16 55 18
	i(P)	22 04 43
13	iP	02 34 25
	iP	05 06 40
	iP	10 54 09
	eS	11 00 09
	eP	15 29(52)
	iP	17 40 16
	eiP	19 58 19
14	iP	15 25 49
15	eP	05 33 04
	eP	09 52 53
	iP	17 18 58
16	iP	11 54 08
	iP	17 12 37
	iP	21 57 08
17	eP	04 33 44
	eS	38 54
	iP	07 41 22
	iP	14 23 20
	iP	18 53 10
18	iP	03 01 22
	iP	17 03 12
	eS	12 27
	iP	17 27 11
	iP	18 21 43
19	iP	05 29 40

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
OCTOBER 1961

20	NIL		
21	NEZ	iP	11 50 10 down, (south) east.
22	Z	e(P)	00 22 34
	Z	eP	09 56(19)
	NE	e(S)	10 01 40
	E	e(L)	03 $\frac{1}{2}$..
	NEZ	iP	14 47 31 down
23	Z	eP	00 20 56
	N Z	i	21 07
	N Z	i	21 19
	N Z	i	24 25
	E	iSKS	31 11
	E	eL	42 ..
	E	eL	09 36 .. (nuclear explosion?)
	NEZ	iP	14 47 50
	NE	i(S)	54 27
	E	i	56 51
	E	i	15 00 43
	Z	iP	15 00 43
24	Z	iP	07 37 34 down
	Z	i(P)	12 39 48
25	Z	eP	14 27 49
	E	e(L)	37 ..
26	N Z	iP	00 45 11
	Z	i	45 34
	N	iS	50 45
	NE	i	50 51
	NEZ	iP	15 36 49
	Z	i	36 57
	Z	i	37 03
	NE	iS	44 39
	NE	i	46 33
	E	eL	57 ..
	E	eL	19 59 ..

MACQUARIE ISLAND
OCTOBER 1961

19	eP	19 28 14
23	e(P)	14 50 19

MAWSON
OCTOBER 1961

19	iP	08 42 40
	iP	09 19 48
	iP	11 30 15
	iS	39 12
	iP	19 33 54
20	iP	07 58 55
	iP	08 17 20
21	iP	11 55 11
	iP	17 46 52
22	iP	10 02 28
	iP	14 52 35
	iP	18 52 29
23	eiP	00 15 59
	iS	22 04
	iP	01 35 48
	eP	01 59 17
24	iP	07 48 47
	iP	15 42 09
	iP	18 11 38
25	iP	13 00 17
	iP	13 26 11
	iP	14 32 45
	iP	16 36 34
	iP	22 50 33
26	iP	00 50 57

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MELBOURNE
OCTOBER 1961

27	EZ	iP	06 42 50 down
28	NEZ	eP	06 07 04
	Z	e(P)	22 50 43
	NE	i(S)	55 37
29	NE	eL	10 06 ..
30	EZ	eP	07 25 55
	Z	eP	17 41 14
	Z	iP	21 26 29
	E	eL	45 ..

NOVEMBER 1961

1	EZ	iP	05 42 22.1
	NEZ	iS	42 24.8 local
	EZ	i	42 26.6
	EZ	iP	10 48 48 down
2	EZ	iP	05 29 11 down west

MACQUARIE ISLAND
OCTOBER 1961

27	iP	12 05 51 felt
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MAWSON
OCTOBER 1961

26	iP	08 27 08
	eP	11 23 21
	iP	11 51 46
	iP	15 38 28
	iS	47 41
	eP	15 53 35
	iP	16 17 02
	iP	17 41 08
	iP	17 45 29
	e(P)	19 39(52)
	iX	40 03
27	eiP	10 41 37
28	iP	06 13 03
	eiP	06 32 05
	iP	09 35 01
	eP	11 00(30)

MAWSON (continued)
OCTOBER 1961

28 continued	iP	14 55 00
	iP	15 00 18
	iP	22 56 48
29	eiP	00 08 19
30	e(P)	02 36(20)
	iP	16 16 26
	iP	17 46 15
31	iP	02 03 27
	iP	03 57 00
	iP	04 52 24
	iP	20 44 57

NOVEMBER 1961

1	iP	18 04 36
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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE

NOVEMBER 1961

3	Z	e(P)	22 21 31
	E	eL	29 ..
4	NEZ	iP	03 11 16
	Z	i	11 26
	Z	i	11 30
	Z	i	12 27
	E	i	23 15
	E	i	24 24
	Z	e(P)	03 51 20
	N Z	i	51 34
6	N Z	iP	00 00 35
	N Z	i	00 38
	Z	i	00 49
	N	e	04 ..
	E	e	06 ..
	Z	iP	05 34 37
	NE	eS	39 39
7	N Z	iP	12 21 46
	E	eL	32 $\frac{1}{2}$..
	EZ	iP	21 15 47
	E	eL	26 ..
9	Z	iP	01 15 05
	Z	i	15 23
	NEZ	iP	18 43 59

MAWSON

NOVEMBER 1961

2	iP	17 36 08
	iP	23 56 08
3	iP	01 34 34
	eP	04 16 23
	i(P)	15 33 22
	iP	22 51 13
	iP	22 36 34
4	eiP	03 16 35
	iP	18 36 49
5	iP	00 31 07
	iP	00 32 31
	iP	01 10 18
	iP	10 37 35

MAWSON (continued)

NOVEMBER 1961

5	iP	10 55 35
	iP	10 58 43 *
	iP	19 37 27
6	iP	00 05 15
	iP	05 40 40
	iP	07 22 57
	iP	13 22 11
	iP	18 33 42
7	iP	00 51 16
	eP	01 25 54
	iP	12 26 47
	eiP	21 20 45
8	eP	20 47 27
9	eP	01 21(08)
	iP	04 31 58

* possibly part of previous.

MACQUARIE ISLAND

NOVEMBER 1961

5	eP	23 57 54
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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
NOVEMBER, 1961

MAWSON (continued)
NOVEMBER, 1961

10	E	eL	07 49 ..
	NEZ	iP	18 07 20 down,north,
	NEZ	i	07 27 east
	Z	i	07 42
	NE	iS	12 30
11	E	eL	09 07 $\frac{1}{2}$..
12	Z	eP	10 19 29
	E	e	19 33
13	Z	eP	07 46 44
	Z	e	48 20
	E	i(S)	55 07
	E	i	56 25
	E	i	58 34
14	Z	eP	03 14 13
	EZ	iP	12 44 51
	E	eL	53 ..
	Z	iP	17 22 51
	Z	i	23 19
15	Z	eiP	07 29 21
	N Z	i	29 34
	N Z	i(pP)	29 36
	Z	i	30 13
	NE	iS	39 25
	E	eSS	44 29
	E	eL	50 $\frac{1}{2}$..
	E	e(S)	19 43 14
16	Z	eP	16 10 00
	E	eL	17 ..
	N	e	17 30

11	iP	18 02 25
contd.	eiP	20 14 22
12	iP	02 26 40
	iP	08 30 06
	iP	10 24 36
	iP	18 22 29
13	iP	07 52 03
14	eP	02 14 15
	iP	12 49 51
	iP	16 26 23
	i(pP)	27 17
	iP	17 24 59
15	iP	05 58 37
	iP	07 36 10
	eP	19 39 10
	iP	22 09 10

* possibly part of previous.

MAWSON
NOVEMBER, 1961

9	iP	17 51 59
	iP	18 48 51
	iP	23 19 09
10	iP	02 20 37
	eP	07 42 17
	iP	14 04 57
	iP	18 12 23
	ei(P)	18 14 24 *
11	iP	07 01 28
	iP	08 59 54

P. T. O.

WILKESOCTOBER 1961

4	eP	02 42 20
	iS	47 18
8/9	iP	23 52 27
9	iS	00 01 20
10	iS	17 44 26
12	iP	22 02 04
	iS	05 44
13	iP	05 08 27
	iS	15 55
	iP	10 55 48
	iS	11 03 08
17	eP	03 35 44
	iS	43 12
18	iP	17 03 49
	iPcP	04 14
	iPP	06 46
	iS	13 38
	iPS	14 20
	iSS	18 37
	iSSS	21 40
19	iP	19 31 09
	iS	35 05
23	iP	00 17 38
	ipP	17 52
	iPcP	18 44
	iPP	19 32
	iPcS	22 49
	iS	24 56
	iScS	27 25
	iSS	28 27
	iP	14 51 00
	iPP	53 29
	iPPP	55 16
	iS	15 00 06
	iScS	01 16
	iSS	04 28
	iSSS	07 46

WILKES (continued)OCTOBER 1961

26	iP	00 49 23
	iPcS	53 57
	iS	58 17
	iSS	01 02 53
	iSSS	05 51
	iP	15 37 52
	iPcP	38 22
	iS	46 36
	iPS	46 56
	iScS	47 44
	iSS	50 50
	iSSS	53 46
28	iS	13 10 40
	iP	22 55 00
	iPcP	55 34
	iS	23 03 36
	iScS	04 48

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
NOVEMBER 1961

17	EZ	iP	08 20 19 dil.
	EZ	i	20 27
18	N Z	eP	06 10 10
	Z	i	10 21
	N	e(S)	16 21
	NEZ	iP	11 23 38
	Z	i	23 51
	NE	eL	33 ..
	Z	e(P)	22 20 47
19	Z	iP	15 24 10.2 regional
	EZ	i	24 12.9
	NEZ	iS	24 24.3
	NEZ	i	24 25.5
	NEZ	iP	23 29 41 dil., north,
	N Z	i	29 54 west.
	NEZ	ipP	31 28
	NE	iS	35 51
	NE	isS	39 06
	E	i	42 39
20	Z	eP	11 50 01
	Z	i	50 33
	E	i	50 51
	E	e	51 17
	E	e(S)	54 37
	NE	i	55 02
	E	i	58 34
21	Z	eP	11 14 36
22	Z	eP	02 51 07
	EZ	eL	59 $\frac{1}{2}$..
	Z	eP	11 12 19
	NE	e	17.4 ..
	NE	eL	21 ..
	EZ	eP	20 45 58
	E	eL	56 ..
	N Z	iP	21 55 59.7 regional
	Z	i	56 00.3
	Z	iS	56 23.0
	E	i	56 23.6
	N	i	56 24.0

MAWSON
NOVEMBER 1961

16	iP	08 38 31
	eP	16 15 56

MAWSON (continued)
NOVEMBER 1961

17	iP	08 25 22
	eP	09 23 27
	iP	11 41 27
	eiP	12 02 07
	iP	15 08 52
	eiP	16 09 55
18	eP	06 14 38
	eP	07 35 11
	iP	11 28 40
	eS	38 22
19	iP	00 54 49
	eP	10 25 18
	iP	23 03 49
	eS	13 35
20	eP	02 18 57
	iP	11 56 07
21	eiP	11 22 33
	iP	12 03 28
	iP	18 14 15
22	eP	02 57 12
	iP	11 18 28
	iP	20 51 00

MACQUARIE ISLAND
NOVEMBER 1961

19	iP	23 32 01
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MELBOURNE
NOVEMBER 1961

23	Z	eP ?	06 01 03
25	N Z	iP	14 17 49 compr.
	Z	i	18 05
	E	eL	27 ..
27	Z	eP	06 08 23
	NE	iS	17 33
	E	eL	30 ..
	NEZ	iP	10 58 25 dil.
	NEZ	iP	17 18 17 dil., north,
	NE	iS	24 33 East.
	N	iSS	27 39
	E	i(ScS)	28 28
	NE	eM	34 $\frac{1}{2}$..
	Z	eP	23 35 57
	E	iS	40 23
	E	iSS	41 28
	E	i(PoS)	42 55
	NEZ	i	43 48
28	Z	eP	02 47 59
	E	e(L)	03 06 ..
	NEZ	eP	18 39 02
	N Z	i	39 04
	N Z	e(pP)	39 28
	E	iS	42 41
29	Z	eP	22 01 25
	EZ	i	01 37
	N	eL	09 ..
30	E	e(L)	14 31 ..
	EZ	iP ?	20 10 06

MACQUARIE ISLAND
NOVEMBER 1961

27	eP	17 20 42
	eP	23 32 01

MAWSON
NOVEMBER 1961

23	NIL
24	NO RECORD
25	iP 14 23 50
	eiP 23 07 01
26	iP 03 43 22
27	eiP 17 22(44)
	eS 32(45)
	e(P) 23 38 09
28	eP 08 59 17
	iP 23 03 17
29	eP 07 40 41
	iP 09 37 27
	eiP 18 15 04
	iP 20 07 29
	iP 22 27 41

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
DECEMBER, 1961

1	NEZ	iP	09 22 48	compr., south
	EZ	eP	15 10 17	
	NEZ	iP	21 23 34	dil.
	Z	i	23 35	
	Z	i	23 56	
	Z	i	24 28	
	E	i(S)	32 11	
	E	i	33 15	

2	EZ	iP	12 59 54	compr.
	E	eL	14 21 ..	
	N Z	eP	19 40 06	

3	NEZ	iP	08 51 01	dil., north
	N Z	eP	16 20 54	
	E	eL	29 ..	

4	N Z	eP	12 50 49	
	E	eL	13 18 ..	

5	Z	iP	13 04 15	compr., north
	Z	i	04 20	
	Z	i	04 34	
	E	iS	06 47	
	Z	eT	15 $\frac{1}{2}$..	
	Z	eT max.	16.2 ..	

6	Z	eP ?	05 57 50	
	Z	eP	05 59 51	
	Z	eP	13 42 49	
	Z	eP	15 47 53	
	NEZ	iP	16 52 21	compr., north
	Z	i	52 32	

7 NIL.

MAWSON
NOVEMBER 1961

30	eP	18 39 27
	iP	21 15 24
	iP	21 55 37

DECEMBER

1	eP	07 53 46
	iP	09 27 48
	eP	10 40 32

MAWSON (continued)
DECEMBER 1961

1	eiP	15 15 28
	i(P)	21 31 13
2	iP	18 57 58
3	eP	04 08 19
	iP	16 26 54

MACQUARIE ISLAND

DECEMBER 1961

5	eP	13 03 57
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WILKES

NOVEMBER 1961

6	iP	05 38 54
	iS	47 31
19	i(S)	23 41 16
20	e(P)	11 54 32
	iS	12 02 08
23	iP	17 21 28
	iS	30 20
24	iP	23 36 00
	iS	39 48
28	iP	18 39 09
	eS	42 44
29	i(S)	09 48 48

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

<u>MELBOURNE</u>				<u>MAWSON</u>		
<u>DECEMBER 1961</u>				<u>DECEMBER 1961</u>		
8	EZ	e(P)	06 25 42	4	eP	08 39 51
	NEZ	iP	09 43 25 dil.,north	5	iP	05 08 34
	N Z	i	43 33		eS	13 39
	E	e(S)	49 29			
	E	eL	55 ..	6	iP	06 01 06
9	E	eL	03 08 ..		iP	13 47 49
	NEZ	iP	10 59 07 dil.,south, west.		eP	16 58(47)
	Z	iP	11 31 11 dil.	7	iP	00 30 30
	Z	i	31 15		iP	16 21 38
	Z	i	34 30			
	NE	i(SKS)	41 56	8	iP	03 58 30
	E	i(ScS)	42 18		eP	06 19 48
	N Z	iP	19 55 40 compr.		iP	08 24 03
	N Z	i	55 45		iP	09 48 46
	Z	i	55 55			
	Z	i	57 25	9	iP	04 12 04
	NE	iS	20 00 24		iP	04 36 41
10	NIL				eP	10 28 51
11	NIL				eiP	11 28 44
12	Z	eP	04 02 24		eS	37 28
	E	eL	15 ..		iP	20 00 50
	EZ	iP ?	06 01 58		eS	10 05
13	EZ	eP	16 55 43	10	NIL	
	E	e	17 01 36	11	eP	20 41 39
	E	e(L)	04 $\frac{1}{2}$..	12	iP	11 48 58
14	NEZ	iP	07 17 14	13	eP	11 33 10
	Z	i	18 40		iP	17 01 53
	NE	iS	22 49			

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COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF NATIONAL DEVELOPMENT

Reference -
4V/1/2

Bureau of Mineral Resources,
Geology and Geophysics,
203 Collins Street,
MELBOURNE. C.1. VICTORIA.



PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
DECEMBER 1961

MACQUARIE ISLAND
DECEMBER 1961

15	N Z	iP	12 42 44 compr., south.	17	eP	22 14 33
	Z	iP	19 43 58			
	Z	i	43 59			
	Z	i	44 11			
16	Z	eP	10 06(31)			
	E	eL	22 ..			
17	N Z	iP	22 16 23 dil., south.			
	NEZ	i	16 27			
	Z	i	16 40			
	NE	iS	19 33			
19	Z	eP	15 49 38			
20	Z	iPKP	13 44 26			
	Z	i	45 13			
	Z	i(SKP)	47 34			
	Z	iSKP	47 37			
	Z	iSKP	47 40			
	E	iPKS	47 44			
	E	iPKS	47 50			

MAWSON
DECEMBER 1961

14	iP	07 22 44
	iP	12 25 54
15	eiP	19 48 16
	iP	23 39 17
16	iP	10 11 19
17	iP	21 45(09)
	iP	22 19(50)
18	NIL	
19	eP	15 53 49
	iP	16 21 49
20	iP	01 56 32
	i(P)	13 34(58)
	iX	13 44 28

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..... WISHING YOU THE COMPLIMENTS OF THE SEASON.

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 International
Seismological
Centre

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF NATIONAL DEVELOPMENT

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PROVISIONAL READINGS AT THE SEISMOLOGICAL OBSERVATORY :

MELBOURNE
DECEMBER 1961

MELBOURNE
DECEMBER 1961 (continued)

21 iP 02 09 33.0 local
iS 09 35.0
i 09 36.0
i 09 37.3

iP 23 44 05
i 44 10

22 eP 22 55 50

23 eP 16 30 31

24 eP 02 46 58
eS 52 24
i 58 03
i 58 44
i 58 50
i 59 08
i 59 23

25 eL 00 29 ..
iP 08 08 13 compr.
e 08 22
e 09 38
eS 14 12
i 18 50

iP 08 20 48 compr.
i 20 55

iP 09 16 21 compr.
i 16 30

eP 09 21 26

iP 14 03 07
eL 16 ..

26 iP 04 32 24 dil., north, west.
i(pP) 33 55
iS 38 22
e 41 20
e 45 04
eP 06 29 17

27 eP ? 07 24 34
eiP 23 53 14 compr., north, west.
i(pP) 53 26
i 53 28
iS 57 36
i 24 00 36

28 i(P) 18 24 31

29 eP 00 02(22)
eL 10 ..

iP 10 07 04 dil.

30 eP 00 52 46

i(SKS) 01 03 56

i 04 25

eL 17 ..

e(P) 09 06 42

eL 20 ..

31 iP 13 53 44 compr.
e 55 28

JANUARY 1962

1 NIL

2 iP 02 22 03

eP 11 53 12

e(S) 57.7 ..

e(P) 12 27 04

eL 32 $\frac{1}{2}$..

3 eP 06 55 26

eL 07 03 $\frac{1}{2}$..

MAWSON
DECEMBER 1961

21 iP 12 15 26

iP 13 42 01

22 iP 12 45 55

23 eP 16 35(22)

24 eiP 02 52 26

eP 09 31 25

iP 17 10 41

eP 19 22 38

ei(P) 23 54 25

25 iP 08 12 49

eP 08 21 01

iP 14 07 58

26 iP 04 35 13

eS 43 39

iP 06 23 14

eS 27 59

iP 06 45 06

P.T.O.



MAWSON
DECEMBER 1961 (continued)

27	iP	16 58 55
	eiP	23 58 09
	eS	24 06 26
28	eP	18 20 17
29	iP	00 08 16
	iP	10 13 05
	iP	15 46 55
	iP	19 22 16
30	iP	00 58 59
	iP	09 11 40
	iP	13 00 06
	e(P)	19 28 20
31	iP	13 58 05

JANUARY 1962

1	eP	10 49 18
2	iP	00 00 00
	iP	02 27 44
	i(P)	05 36 42
	eP	11 59 16
	eP	12 28 47
	iP	12 42 43
	iP	14 42 08
	iP	23 19 05
3	iP	18 12 39

MACQUARIE ISLAND
DECEMBER 1961

26	e(P)	04 35 28
27	eP	23 52 13
	epP	52 24

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