

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

203 Collins Street,
MELBOURNE. VIC.

FINAL SEISMOLOGICAL BULLETIN FOR 1952.

MACQUARIE ISLAND

Latitude: $54^{\circ} 29' 55''$ S. Longitude: $158^{\circ} 57' 22''$ E. Height: 14m.

Foundation: Weathered Basaltic Lava

Instrument: Wood-Anderson type seismograph, north-south and east-west components.

Period: 0.75 seconds

Damping: 0.09

Magnification: 2900



International
Seismological
Centre

No.	Date 1952	Phase	Time (G.M.T.)	Remarks
1	May 4	M	06 31.1	
2	" 4	eL	14 44.6	USCGS: $24\frac{1}{2}^{\circ}$ S $177\frac{1}{2}^{\circ}$ W.
3	" 31	iP iPP eL M	04 56 22 56 33 57.6 59.1	
4	September 20	i(S) eL	12 59 58 13 00.5	
5	November 4	ePP eSKS iSS eLq eLr	17 17 22 23 22 32 42 43.2 48.8	USCGS: $52\frac{1}{2}^{\circ}$ N 159° E.
6	November 6	i(P) eS eLq eLr	19 56 33 20 04 06 13.5 15.5	USCGS: 5S $145\frac{1}{2}^{\circ}$ E
7	December 30	e e i eL	18 38 31 38 35 39 49 39.9	USCGS: 19S 178° W.

SIP-DEC only

No. 52/9/2

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485 Bourke Street,
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PROVISIONAL SEISMOLOGICAL BULLETIN

MACQUARIE ISLAND

Latitude: $54^{\circ} 29' 55''$ S. Longitude: $158^{\circ} 57' 22''$ E. Height: 14m.
Foundation : Weathered Basaltic Lava
Instrument : Wood-Anderson type seismograph, two components
Period : 0.75 seconds
Damping : Critical
Magnification: 2800

No.	Date 1952	Phase	Time (G.M.T.)	Remarks									
1	3rd Sept.	iPg NE iSg NE	<table><tr><td>h</td><td>m</td><td>s</td></tr><tr><td>12</td><td>43</td><td>47</td></tr><tr><td></td><td></td><td>49</td></tr></table>	h	m	s	12	43	47			49	
h	m	s											
12	43	47											
		49											
2	14th "	iPg NE iSg NE	<table><tr><td>09</td><td>12</td><td>23</td></tr><tr><td></td><td></td><td>36</td></tr></table>	09	12	23			36				
09	12	23											
		36											
3	15th "	ePg E iSg E	<table><tr><td>13</td><td>36</td><td>33</td></tr><tr><td></td><td></td><td>41</td></tr></table>	13	36	33			41				
13	36	33											
		41											
4	16th "	eL NE	12 39.1										
5	20th "	iS? NE eL N eL E	<table><tr><td>12</td><td>59</td><td>58</td></tr><tr><td>13</td><td>00.5</td><td></td></tr><tr><td></td><td>02.0</td><td></td></tr></table>	12	59	58	13	00.5			02.0		
12	59	58											
13	00.5												
	02.0												

HEARD ISLAND

Latitude: $53^{\circ} 01'.2$ S. Longitude: $73^{\circ} 23'.1$ E. Height:
Foundation : Solid lava rock
Instrument : Wood-Anderson type seismograph, two components
Period : 0.75 seconds
Damping : Critical
Magnification: 2800

No tremors were reported during September 1952



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PROVISIONAL SEISMOLOGICAL BULLETIN

MACQUARIE ISLAND

Latitude: $54^{\circ} 29' 55''$ S. Longitude: $158^{\circ} 57' 22''$ E. Height: 14 m.
Foundation : Weathered Basaltic Lava
Instrument : Wood-Anderson type seismograph, two components
Period : 0.75 seconds
Damping : Critical
Magnification: 2800

No.	Date 1952	Phase	Time (G.M.T.)	Remarks
1	7th Oct.	iPg NE iSg NE	23 15 15 23	
2	12th "	ePg NE iSg NE	14 21 21 42	
3	14th "	iPg NE iSg NE	16 34 46 48	
4	20th "	ePg N iSg N	01 35 58 36 11	
5	27th "	iPg NE iSg NE	00 15 47 16 07	

HEARD ISLAND

Latitude: $53^{\circ} 01'.2$ S. Longitude: $73^{\circ} 23'.1$ E. Height:
Foundation : Solid lava rock
Instrument : Wood-Anderson type seismograph, two components
Period : 0.75 seconds
Damping : Critical
Magnification: 2800

No tremors were reported during October 1952.



ACKNOWLEDGED

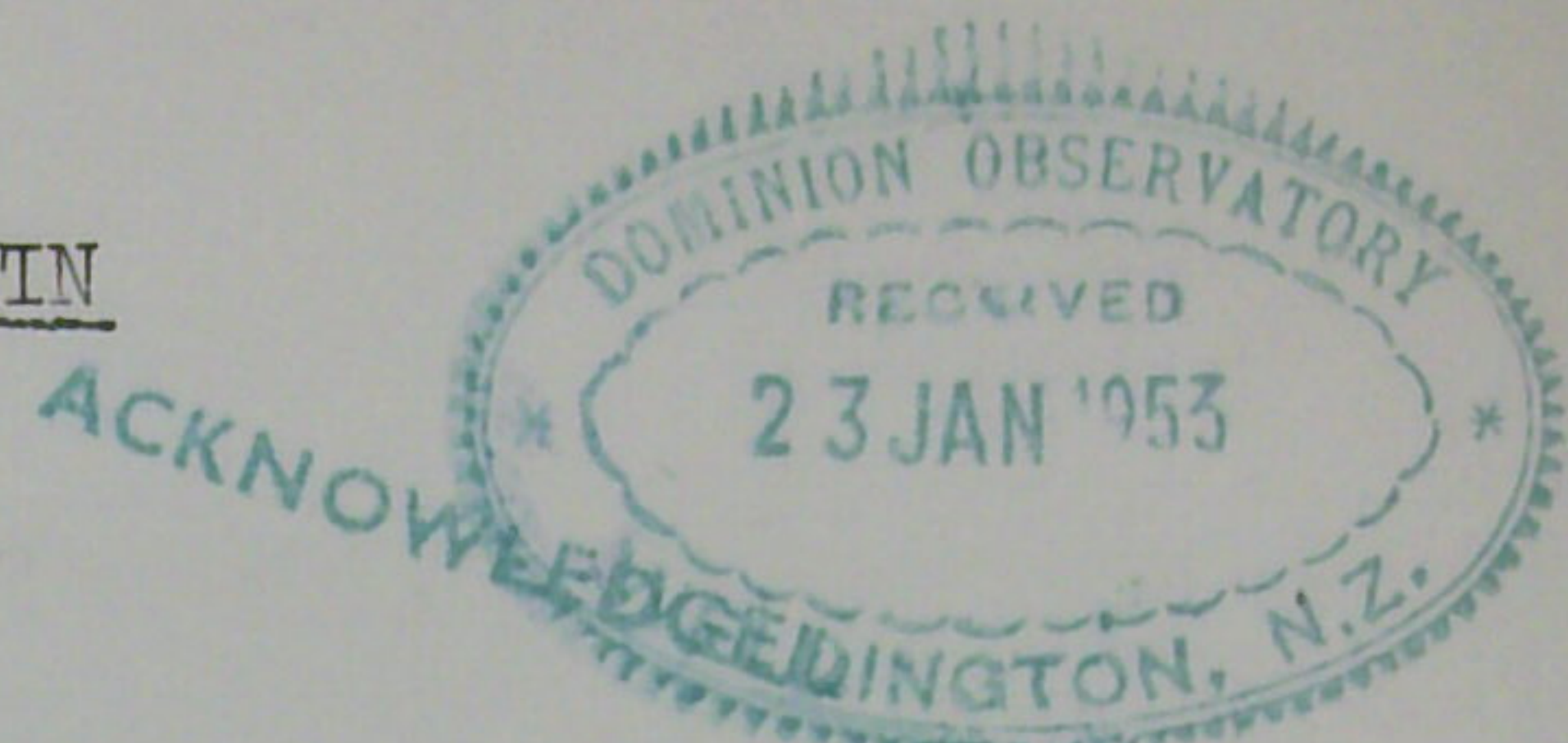
No. 52/11/2



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MACQUARIE ISLAND



Latitude : $54^{\circ} 29' 55''$ S. Longitude : $158^{\circ} 57' 22''$ E. Height: 14m.
Foundation : Weathered Basaltic Lave
Instrument : Wood-Anderson type seismograph, two components
Period : 0.75 seconds
Damping :
Magnification : 2900

No.	Date 1952	Phase	Time (G.M.T.)	Remarks
			h m s	
1	2nd Nov.	ePg NE iSg NE	13 08 13 08 22	
2	3rd Nov.	ePg E iSg E	03 49 16 49 22	
3	6th Nov.	iPg NE eS NE	19 56 33 20 04 06	
4	10th Nov.	iPg NE iSg NE	04 09 44 09 46	
5	11th Nov.	iPg E iSg E	11 25 15 25 17	
6	12th Nov.	iPg NE iSg NE	17 46 13 46 15	
7	13th Nov.	iPg E iSg E	09 51 31 51 33	
8	15th Nov.	iPg E iSg E	08 08 22 08 24	
9	20th Nov.	iPg E iSg E	20 16 16 16 18	

52/12/3



MACQUARIE ISLAND
Continued

No.	Date	Phase	Time (G.M.T.)	Remarks
7	1952 11th Dec.	e Pg NE i Sg NE	09 19 48 53	
8	21st "	i Pg E i Sg E	07 33 50 53	

HEARD ISLAND

Latitude: $53^{\circ} 01'.2$ S. Longitude: $73^{\circ} 23'.1$ E. Height: 10m
Foundation: Solid lava rock.
Instrument: Wood-Anderson type seismograph, two components.
Period: 0.75 seconds.
Damping: 20 : 1
Magnification: 2800

No tremors were reported during December, 1952

(P. B. NYE)
D i r e c t o r.