OCT 28 1953

WOODY POINT AMATEUR SEISMOLOGICAL AND METEOROLOGICAL STATION

Caroline Street, Woody Point, Queensland, Australia

International Seismological Centre

June 20th, 1953

NEW folder needed

Dear Sir,

This is the first quarterly bulletin of what is believed to be the only privately owned and operated seismological station in Australia, and is distributed on the owners behalf by courtesy of Professor W.H. Bryan, the head of the Department of Geology and Dr. O.A. Jones, Director of the University of Queensland Seismological Station, to whom very great thanks must be given for their very keen and unfailing interest in the project.

Sincere thanks are due also to Mr. E.W. Pollard B.Sc. who, as owner of an amateur station at Dorking, Surrey, England, gave the undersigned great encouragement before he left England, and whose criticisms and advice since the project was begun here have been most helpful.

The instrument is entirely homemade, from the simplest of materials and has been under general operating test for nearly 12 months before routine recording began on 11th Jan., 1953. It is hoped at a later date to install a second horizontal and a vertical instrument.

One of the main purposes of the project is to create an interest in amateur seismology, and it has every chance of success in that direction. One instrument at Dimbulah, near Cairns, North Queensland is nearly ready for operation, another at Warwick, Queensland is well advanced, while many people in different parts of Queensland have shown a keen interest and several have begun construction of an instrument.

The Woody Point station is situated on a small peninsula in Moreton Bay, the sea being only about $\frac{1}{4}$ mile distant in each of three directions. The tidal range is 5 to 7 feet, and the lack of drift on the records proves beyond doubt the usefulness of the McComb-Romberg tilt compensation magnifier when working under adverse conditions.

It is hoped that the projected amateur stations will not only be of use to seismology in general, but also to the not inconsiderable research in Microseismic Meteorology, which is being conducted in Queensland at the present time.

Since the station was started, Mr. D. Beckley of Woody Point, has given great assistance in the operating of the station and preparation of the Bulletins, which will all be issued under the joint names.

It is hoped that the station will be placed on your mailing list for future publications.

Yours faithfully,

A. Crawfoot

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Caroline Street, Woody Point, Queensland, Australia

Lat. 27°-15'-37"S. Long 153°-15'-20.6"E.

Height above M.S.L. 9.7 metres
Foundation: Heavy Red Clay

Seismograph

Home Constructed Milne type with McComb-Romberg Tilt compensation magnifier. Mass. 20½ ozs. To=6 sec. V= 390 Oil damping 15-1. Photographic registration. Paper Speed 10 mm. per min. Recording N-S component.

Time Control

Sangamo Contactor unit. BC-608-A rated twice daily against A.B.C. time signals. Times can be taken to the nearest second.

Meteorological Instruments

1 Thermograph. 7 day record. Short and Mason, London

1 Hydrograph (Hair Type) 7 day record. Flavelle Roberts & Sankey.

1 Dry bulb thermometer. Negritti and Zambra, London

1 Wet bulb Thermometer. Negritti and Zambra, London.

1 8" diam. Rain Gauge.

Tables used

Jeffreys and Bullen, 1940
Stonely Longwave tables

Microseismic supplement

Double amplitudes

0 - 1.5 = 1
1.5-2.5 = 2
2.5 and over=3

Periods to nearest second following Amplitude figure

Example. 1-4 = up to 1.5 mm. 4 sec. per.
3-6 = over 2.5 mm. 6 sec. per.

Special notes will be made of cyclonic or other unusual conditions.

January, 1953

International Seismological Centre

Quake No.	DATE	PHASE	TIME	REMARKS
1	19th	iP i iS i i LQ	14-52-08 52-34 56-08 56-32 56-47 15-05-45	S-P = 4.00 = 23° Timing doubtful to within 15 sec.
2	20th	iP iS	02-41-12 44-21	S-P = 3'9"=17°. Timing doubtful to within 15 s.
3		iP iS	17-40-46 46-35	S-P = 5'49"=39° U.S.C.G.S reports Molucca Passage. H=17.33.06
4	27th	iP iPP iS	03-30-55 31-17 34-56	Timing doubtful
5	28th	iP i(S)	12-30-26 33-40	
6	30th	iP ipP iS isS	21-51-20 51-34 54-51 55-26	h = 0.01
		February 1953		
7	2nd	iP i iS	03-32-35 32-40 36-55	S-P = 25°
8		i	08-40-48	
9	7th	iP iS	13-25-07 31-09	S-P = 40°
10	10th	iP iS	14-02-15 05-00	U.S.C.G.S. reports Loyalty Islands.
11	14th	iP iS	21-56-34 22-03-22	U.S.C.G.S. reports. 18½°N, 146°E. Marianes Islands
12	19th	i i(S)	13-12-33 15-08	
	No records between 20th & 28th inclusive due to flooding of vault.			
		March 1953		
13	2nd	i(S)	02-17-23	U.S.C.G.S. reports. Solomon Islands h=60km.
14	3rd	iP iPP iS iSS	11-30-48 31-07 33-58 34-07	U.S.C.G.S. reports. 20°S, 169°E. Loyalty Is.
15		iP	13-45-06	
16		e	16-22-34	

Quake No	DATE	PHASE	TIME	REMARKS
17	5th	iP iS	21-13-21 23-14	h=60 km. U.S.C.G.S. reports. 51°N, 158°E.
18	6th	eS	04-30-28	
19		i	07-18-14	Possibly mechanical
20	9th	iP iPP iPPP iS iSS i	10-08-42 09-15 09-25 12-46 13-35 14-45	S-P = 23° U.S.C.G.S. reports New Britain Region
21	10th	iP i(S)	06-02-47 05-35	
22	12th	eP e	11-50-10 56-50	
23	14th	eP eS	17-08-39 14-49	
24	15th	e	09-07-15	
25	16th	iP iS	08-26-20 29-31	
26	19th	iP	08-47-16	
		i(P)	19-01-15	

International Seismological Centre

A. CRAWFOOT
D. BECKLEY

Woody Point, Queensland, Australia.

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Microseismic Supplement

International Seismological Centre

January 1953

N-S Component

Date	0	6	12	18
11/1/53	-	-	1-4	1-4
12	1-4	1-4	1-4	1-4
13	1-4	1-4	1-4	1-4
14	1-4	1-4	-	-
15	-	-	1-2	1-2
16	1-2	1-2	1-3	1-3
17	1-3	1-3	1-3	1-3
18	1-3	1-3	1	1
19	1	1	1-4	1-4
20	1-5	1-5	1	1
21	1	1	1-4	1-4
22	1-4	1-4	1-4	1-4
23	1-4	1-4	1-4	1-4
24	1-4	1-4	1-4	1-4
25	1-4	1-4	1-3	1-3
26	1-3	1-3	1-3	1-3
27	1-3	1-3	1-4	1-4
28	1-4	1-4	1	1
29	1	1	1-3	1-3
30	1-3	1-3	1	1
31	1	1	1	1

February, 1953

1/2/53	1	1	1	1
2	1	1	1-3	1-3
3	1-3	1-3	1-4	1-4
4	1	1	1	1
5	1	1	1	1
6	1	1	1-4	1-4
7	1-4	1-4	1-4	1-4
8	1-4	1-4	1	1
9	1	1	1	1
10	1	1-4	1-4	1-4
11	1-4	1	1	1
12	1	1	1	1
13	1	1	1-3	1-3
14	1-3	1-3	1	1
15	1	1-4	1-4	1-4
16	1-4	1-4	1-4	1-4
17	1-4	1-4	1-5	1-5
18	1-4	1-4	1-4	1-4
19	1	1	1-4	1-4
20	1-5	1-5	1-4	1-4
21	1-4	1-4	-	-
22	-	-	-	-
23				
24				
25				
26				
27				
28	-	-	1	1

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March, 1953

International Seismological Centre

N-S Component

Date	0	6	12	18
1/3/53	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	1-3	1-3	1-4	1-4
5	1-4	1-4	1-4	1-4
6	1-4	1-4	1-4	1-4
7	1-5	1-4	1-4	1-4
8	1-4	1-3	1-4	1-4
9	1-3	1-4	1-2	1-2
10	1-4	1-4	1-4	1-4
11	1-4	1-4	1-4	1-4
12	1-4	1-4	1-4	-
13	-	-	-	-
14	-	-	1-3	1-3
15	1-3	1-3	1-4	1-4
16	1-4	1-4	1-4	1-4
17	1-4	1-4	1	1
18	1	1	-	-
19	1	1	1-4	1-4
20	-	-	1-3	1-3
21	1-4	1-4	1-4	1-4
22	1-5	1-5	1-4	1-4
23	1-4	1-4	1-4	1-4
24	1-4	1-4	1-4	1-4
25	2-5	2-5	2-4	2-5
26	2-5	2-5	1-4	1-4
27	1-4	1-4	1-4	1-4
28	1-4	1-4	1-4	1-4
29	1-4	1-4	1	1
30	1	1	1	1
31	1	1	-	-

RAINFALL. WOODY POINT AMATEUR SEISMOLOGICAL AND METEOROLOGICAL STATION

International Seismological Centre

	January	February	March
Date	Points	Points	Points
1			
2			
3			
4	2		
5		4	7
6			
7	21		
8			
9		33	27
10			
11			
12			
13	14		25
14			41
15		143	64
16		250	93
17	3	23	
18		11	53
19		200	
20	3	700	50
21	53	143	10
22	300	158	43
23	207		88
24			
25	3	128	27
26	12		
27	6		
28			
29			
30			
31			
TOTAL	624	1693	531