

RABAU

TERRITORY OF PAPUA AND NEW GUINEA.

VULCANOLOGICAL OBSERVATORY RABAU.

9/12/58 -
25/6/59

Provisional readings - 26th December, 1958.

19th Dec. iP! 04 23 04
 iP! 08 38 41
 iP! 08 55 14
 iP 11 00 33
 iP! 11 04 38
 iP 11 33 48
 iS 37 08
 iP! 20 51 29

20th Dec. iP! 09 28 11
 iP 19 28 27

21st Dec. eP 05 58 37

22nd Dec. eiP 02 18 10
 i! 16

iP! 02 18 21 (51)
 in coda of preceding

23rd Dec. eP 17 20 44
 i! 47

i 18 48 38

eP 19 42 33
 i 44

24th Dec. iP! 01 14 02

iP! 12 39 46

iP! 14 14 35
 deep ?

iP 20 40 14
 i 43

i(P) 22 15 49
 i 56

25th Dec.

iP! 08 06 09
 Felt: Rabaul 04.11 S 152.10 E Int. 4-5 (MM)
 Pomio 05.30 S 151.30 E Int. 5 (MM)

iP! 09 37 07
 Felt Rabaul Int. 1 (MM)



G.A. TAYLOR.

VULCANOLOGIST.

FEDERATION OF PAPUA AND NEW GUINEA.

VULCANOLOGICAL OBSERVATORY RABUL.

Provisional Readings - 5th January, 1959.

| | | | | | |
|-----------|--|----|----|----|--|
| 26th Dec. | 1P! | 05 | 53 | 09 | |
| | Felt Rabaul 04.11S, 152.10E Int. 1 (M) | | | | |
| 27th Dec. | 1 | 08 | 29 | 36 | |
| 28th Dec. | 1P! | 04 | 40 | 55 | |
| | SP | 17 | 23 | 30 | |
| | OP | 18 | 23 | 01 | |
| | 1! | | | 04 | |
| 29th Dec. | OP | 02 | 04 | 16 | |
| | 1 | | | 21 | |
| | 1P | 16 | 34 | 14 | |
| 30th Dec. | ----- | | | | |
| 31st Dec. | 1(P) | 05 | 02 | 20 | |
| | Felt Tari 05.50 S, 143.00 E Int. 3 (M) | | | | |
| 1st Jan. | o(P) | 07 | 32 | 56 | |
| | o | 07 | 56 | 22 | |
| 2nd Jan. | ----- | | | | |
| 3rd Jan. | 1P | 15 | 12 | 51 | |
| | 1! | | | 53 | |
| | 1 | | 13 | 40 | |
| | 1P | 22 | 01 | 59 | |
| 4th Jan. | 1P! | 16 | 05 | 37 | |
| | 1P! | 22 | 38 | 15 | |

G.A. TAYLOR
VULCANOLOGIST.

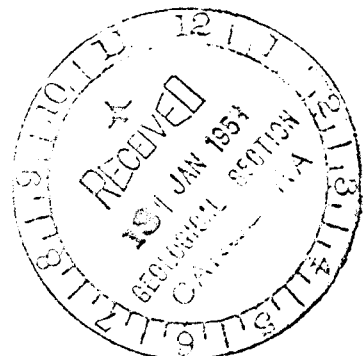


INTERNATIONAL SEISMOLOGICAL CENTRE
INTERNATIONAL SEISMOLOGICAL CENTRE

INTERNATIONAL SEISMOLOGICAL CENTRE - 9th Jan. 1959.

| | | | |
|----------|-------|-----------------|--------|
| 5th Jan. | 08 | 44 | 43 |
| | 1 | | 56 |
| | 09 | 55 | 48 |
| | | | 31 |
| | | | 30 |
| | 10 | 07 | 42 |
| | | 14 | 08 |
| | | 30 | 47 |
| | 10 | 59 | 46 |
| | | | 33 |
| | 11 | 05 | 37 |
| | | 07 | 37 |
| | | 08 | 01 |
| | | | 42 |
| 6th Jan. | 01 | 54 | 36 |
| | 10 | 56 | 34 |
| | | 57 | 08 |
| 7th Jan. | 01 | 24 | 44 |
| | 10 | 01.04.03.152.10 | 2 (04) |
| | 11 | 43 | 02 |
| | 1(0) | | 15 |
| | 10 | 1-0. | 1 (04) |
| 8th Jan. | 01 | 53 | 20 |
| | Coop? | | |
| | 1 | 55 | 09 |
| | 1 | | 37 |
| | 1 | 56 | 40 |
| | 10 | 07 | 21 |
| | 10 | 39 | 33 |
| | 1 | | 44 |

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Seismological Report
1959

Seismological Summary - 23rd January, 1959.

1400 hrs. Strong microseismic activity

1430 hrs. Strong microseismic activity

1500 hrs. 2.1 02 55 51
2000 hrs. 2.1 04 11 3 Intensity 1 (M)

2.1 04 34 55
2000 hrs. 2.1 04 11 3 Int. 3 (M)

2.1 09 26 15
2000 hrs. 2.1 04 11 3 Int. 2-3 (M)

1900 hrs. 2.00 17 22 01
3.00 57
Caused by microseisms.

2000 hrs. Strong microseismic activity

2100 hrs. 2.1 08 32 45

3 1 45 37
2 2 32
1 2 32

2200 hrs. 2.1 05 18 55

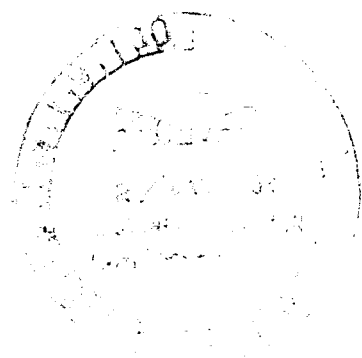
2.1 05 40 55

2.1 06 22 55

2.1 17 51 31

G.A. ...

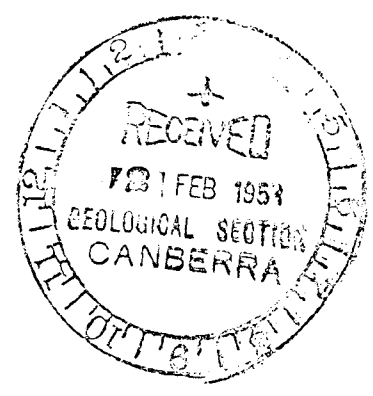
...



LIST OF EARTHQUAKES AND EXPLOSIONS
RECORDED AT WILKINSON, AUSTRALIA.

WILKINSON, AUSTRALIA - 31st January, 1959

| | | | | |
|-----------|-------------------|----|---------|----------------------|
| 21st Jan. | 1P | 09 | 37 | 46 |
| 21st Jan. | 1P i | 05 | 16 | 26 37 |
| | 2P W.11 Wabool | 15 | 34 | 24 |
| | | | 04.11 S | 152.10 E Intensity 2 |
| | 1P | 15 | 50 | 39 |
| | 1P | 16 | 22 | 22 |
| | 1P i | 20 | 24 | 56 59 |
| | 1P i | | 15 | 01 16 |
| | 0(1) i | | 10 | 16 23 |
| 21st Jan. | 1P W.11 | 11 | 47 | 39 |
| | 0 | 21 | 19 | 10 |
| | 0 | 22 | 02 | 20 23 |
| | 0 i | 22 | 32 | 41 43 |
| 21st Jan. | 1P | 16 | 10 | 47 |
| 27th Jan. | 1P | 20 | 22 | 33 |
| | 1P | 21 | 11 | 03 |
| 26th Jan. | 1P | 16 | 13 | 15 |
| 29th Jan. | 0 i | 11 | 8 | 26 34 |



G.A. TAYLOR.
WILKINSON.

TERRITORY OF PAPUA AND NEW GUINEA
 Earthquakes reported for the month of
 September, 1958
 to the
 Vulcanological Observatory
 RABAUL.

| DATE | TIME FEEL G.M.T. Approx. | INTENSITY Mod. Mercalli | LATITUDE SOUTH | LONGITUDE EAST | LOCALITY |
|------|-----------------------------|----------------------------|-------------------|-------------------|----------|
| 1st | 1424 | 2-3 | 06.20 | 145.15 | Lufa |
| | 1426 | 4 | 06.16 | 145.55 | Kainantu |
| | 1733 | 2 | 05.35 | 146.30 | Saidor |
| 2nd | 0430 | 5 | 06.35 | 155.20 | Boku |
| | 1155 | 2 | 05.40 | 147.50 | Awelkon |
| | 1405 | 2 | see above | | Saidor |
| | 1425 | 4-5 | 06.05 | 145.10 | Chauvo |
| | 1425 | 2 | see above | | Awelkon |
| | 1425 | 4-5 | 04.05 | 145.05 | Manam |
| | 1426 | 4 | see above | | Kainantu |
| | 1426 | 4-5 | 05.10 | 144.45 | Aiome |
| | 1427 | 4 | 06.05 | 145.25 | Coroka |
| | 1430 | 4 | 06.00 | 145.00 | Kundiawa |
| | 1430 | 4 | 05.50 | 144.50 | Kerowagi |
| | 1430 | 1-2 | 07.20 | 146.45 | Wau |
| 3rd | 1035 | 2 | 06.15 | 146.15 | Kalapit |
| 6th | 0210 | 3 | 07.45 | 147.35 | Morobe |
| 7th | 0445 | 3 | 08.30 | 151.05 | Losuia |
| | 0450 | 3 | " | " | " |
| 12th | 0955 | 1 | 04.30 | 152.20 | Warangoi |
| 13th | 2129 | 2 | see above | | Kundiawa |
| 18th | 0650 | 4 | 02.40 | 141.20 | Vanimo |
| | 0747 | 2 | 04.10 | 152.10 | Rabaul |
| 19th | 2120 | 4 | 04.10 | 144.25 | Timburke |
| | 2121 | 4 | 04.05 | 144.05 | Angoram |
| 20th | 1300 | 2 | see above | | Warangoi |
| | 1710 | 6 | see above | | Boku |
| | 1710 | 4-5 | 05.25 | 154.40 | Solano |
| | 1710 | 4 | 05.10 | 154.05 | Karocola |
| | 1710 | 4 | see above | | Rabaul |
| | 1715 | 3 | 06.25 | 155.50 | Aropa |
| | 1716 | 1-2 | see above | | Boku |
| | 1719 | 1-2 | " | " | " |
| | 1719 | 1 | " | " | Rabaul |
| | 1725 | 1 | " | " | Aropa |
| | 23rd | 1958 | 2 | " | " |
| 24th | 1011 | 2 | " | " | " |
| 24th | 1015 | 2 | " | " | Awelkon |
| 28th | 1250 | 2 | " | " | Rabaul |
| 30th | 1010 | 2 | " | " | Awelkon |

| | TIME 30.00.00.00 | NO P.ROX. | STATION No. 1000000 | LONGITUDE SCPH | LATITUDE EAST | LOCALITY |
|------|---------------------|--------------|------------------------|-------------------|------------------|------------|
| 21st | 06.35 | | 1000000 | 06.35 | 147.50 | Tinschafen |
| | 07.35 | | | 07.35 | 146.30 | Saidor |
| | 07.40 | | | 07.40 | 146.35 | Mumong |
| | see above | | | see above | | Archen |
| | " | | | " | " | Hindiana |
| | " | | | " | " | Kaiapi |
| | " | | | " | " | Mumong |
| | 08.50 | | | 08.50 | 146.10 | loganda |
| | 09.45 | | | 09.45 | 146.50 | Asa'ala |
| | " | | | " | " | " |
| | see above | | | see above | | Loe |
| | see above | | | see above | | Mendi |
| 22nd | 09.56 | | 1000000 | 09.56 | 151.12 | Bwaruata |
| | " | | | " | " | " |
| 23rd | 01.00 | | 1000000 | " | " | " |
| | 02.00 | | | " | " | " |
| | 03.00 | | | " | " | " |
| | 04.00 | | | " | " | " |
| | 05.00 | | | " | " | " |
| | 06.00 | | | " | " | " |
| | 07.00 | | | " | " | " |
| | 08.00 | | | " | " | " |
| 24th | 11.00 | | 1000000 | see above | | Abaul |
| | 12.00 | | | " | " | " |
| | 13.00 | | | " | " | Bwaruata |
| | 14.00 | | | " | " | Abaul |

G.A. Taylor,
Vulcanologist.

TERRITORY OF PAPUA AND NEW GUINEA
 Earthquakes reported for the month of
 October, 1953
 to the
 Volcanological Observatory
 RABAU

| DATE | TIME (GMT) LOCAL TIME | INTENSITY Mod. Mercalli | LATITUDE SOUTH | LONGITUDE EAST | LOCALITY |
|------|--------------------------|----------------------------|-------------------|-------------------|------------|
| 1st | 1013 | 1 | 05.40 | 147.50 | Aweikou |
| 3rd | 0907 | 2 | 04.11 | 152.10 | Rabaul |
| 4th | 0025 | 2 | 03.30 | 142.05 | Lumi |
| | 0042 | 2 | 03.35 | 143.40 | Wewak |
| | 0050 | 3 | 05.50 | 144.50 | Kerowagi |
| | 0051 | 2 | 05.10 | 144.45 | Aiome |
| | 0111 | 3 | 05.50 | 143.00 | Tari |
| | 0031 | 1 | 06.05 | 145.25 | Goroka |
| | 0052 | 2 | 06.00 | 145.00 | Kundiawa |
| | 0055 | 5 | 04.05 | 144.05 | Angoram |
| | 0100 | 1 | 06.10 | 143.40 | Mendi |
| | 0130 | 1 | 06.20 | 145.15 | Tufa |
| 7th | 1100 | 1 | 04.30 | 152.20 | Warangoi |
| | 1110 | 1 | see above | | Rabaul |
| | 1233 | 4-5 | see above | | Rabaul |
| | 1233 | 4-5 | 05.30 | 151.50 | Ponio |
| | 1233 | 3 | 05.10 | 145.35 | Karoola |
| | 1235 | 4-5 | see above | | Warangoi |
| | 1235 | 2-3 | 05.00 | 151.15 | Ulamona |
| | 1238 | 2 | see above | | Rabaul |
| | 1245 | 1 | see above | | Warangoi |
| 9th | 1225 | 2 | 03.05 | 152.40 | Londolovit |
| 12th | 1230 | 2 | see above | | Lumi |
| | 1230 | 2-3 | see above | | Tufa |
| | 1245 | 4 | see above | | Angoram |
| | 1247 | 3-4 | 04.15 | 144.55 | Bogia |
| | 1249 | 3-4 | 05.40 | 144.05 | Mt. Hagen |
| | 1250 | 2-3 | see above | | Aiome |
| | 1250 | 1-2 | 03.10 | 142.20 | Aitape |
| | 1250 | 2 | 05.10 | 144.35 | Telefomin |
| | 1250 | 2 | see above | | Kundiawa |
| | 1250 | 2 | see above | | Goroka |
| | 1300 | 1-2 | see above | | Mendi |
| | 1300 | 2 | see above | | Kerowagi |
| 1400 | 1 | see above | | Lumi | |
| 1600 | 3 | see above | | Kerowagi | |
| 13th | 0850 | 1-2 | 06.35 | 155.20 | Boku |
| 14th | 0930 | 1-2 | see above | | Ulamona |
| 15th | 0026 | 2-3 | 06.15 | 146.15 | Kaiapit |
| 16th | 0311 | 2 | see above | | Rabaul |
| 18th | 0010 | 2 | see above | | Mt. Hagen |
| | 0011 | 2 | see above | | Goroka |
| | 0025 | 5 | 06.35 | 147.00 | Lae |
| | 0615 | 1 | 07.20 | 146.45 | Wau |

Seismological Observations
 Earthquakes reported for the month of
 November, 1950

to the
 Seismological Observatory

TABLE.

| NO. | DATE | TIME | DURATION | AMPLITUDE | MAXIMUM | LOCALITY | |
|------|-------|-------|----------|-----------|---------|-------------|--------|
| | | | SEC. | MM. | MM. | | |
| 1001 | 11-10 | 02.35 | 4 | 02.35 | 150.50 | Kavlong. | |
| 1002 | 11-10 | 06.10 | 2-3 | 06.10 | 245.35 | Shapa | |
| | | 07.15 | 1-2 | 07.15 | 241.35 | Utiapit | |
| | | 08.35 | 2 | 08.35 | 247.20 | Sinchohafan | |
| 1003 | 11-10 | 07.00 | 1 | 07.00 | 246.35 | Hucong | |
| | | 07.10 | 1 | 07.10 | 245.75 | Wai | |
| | | 08.10 | 2-3 | 08.10 | 242.20 | Atapo | |
| 1004 | 11-10 | 06.35 | 4 | 06.35 | 155.20 | Kaha | |
| | | 07.11 | 2 | 07.11 | 152.10 | Kahaul | |
| | | 08.15 | 1 | 08.15 | 155.40 | Kista | |
| | | | | see above | | | Kabaul |
| | | | | see above | | | Kista |
| | | 08.30 | 1 | 08.30 | 152.20 | Warangoi | |
| 1005 | 11-10 | | 1 | see above | | Hucong | |
| | | | 1 | see above | | Kista | |
| | | | 1 | see above | | Kabaul | |
| | | | 1 | see above | | Warangoi | |
| 1006 | 11-10 | 06.15 | 2 | 06.15 | 245.35 | Kainantu | |
| 1007 | 11-10 | | 1 | see above | | Kabaul | |
| 1008 | 11-10 | | 2 | see above | | Kabaul | |
| | | | 3 | see above | | Warangoi | |
| | | 04.12 | 1-2 | 04.12 | 151.35 | Gavit | |

G.A. Taylor.
International.

Seismological Report for the Month of
February 1970
to the
Seismological Observatory

| DATE | TIME | LOCATION | MAGNITUDE | DEPTH | PROXIMITY |
|------|-------|----------|-----------|--------|-----------|
| 21 | 01:00 | 1 | 05.00 | 217.25 | Utsa |
| 22 | 01:00 | 1 | 05.11 | 218.25 | Utsa |
| | | 2 | 05.20 | 218.25 | Utsa |
| 23 | 01:00 | 1 | 05.15 | 217.25 | Utsa |
| 24 | 01:00 | 1 | 05.11 | 218.25 | Utsa |
| | | 2 | 05.11 | 218.25 | Utsa |
| | | 3 | 05.11 | 218.25 | Utsa |
| 27 | 01:00 | 1 | 05.21 | 218.25 | Utsa |
| | | 2 | 05.20 | 218.25 | Utsa |
| 28 | 01:00 | 1 | 05.21 | 218.25 | Utsa |
| | | 2 | 05.21 | 218.25 | Utsa |
| | | 3 | 05.20 | 218.25 | Utsa |
| 29 | 01:00 | 3 | 05.20 | 218.25 | Utsa |
| 29 | 01:00 | 1 | 05.27 | 218.25 | Utsa |
| 29 | 01:00 | 1 | 05.20 | 218.25 | Utsa |
| | | 2 | 05.20 | 218.25 | Utsa |
| | | 3 | 05.21 | 218.25 | Utsa |
| | | 4 | 05.20 | 218.25 | Utsa |
| | | 5 | 05.21 | 218.25 | Utsa |
| | | 6 | 05.21 | 218.25 | Utsa |
| | | 7 | 05.21 | 218.25 | Utsa |
| | | 8 | 05.21 | 218.25 | Utsa |
| | | 9 | 05.20 | 218.25 | Utsa |
| | | 10 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 1 | 05.21 | 218.25 | Utsa |
| | | 2 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 3 | 05.20 | 218.25 | Utsa |
| | | 4 | 05.21 | 218.25 | Utsa |
| | | 5 | 05.21 | 218.25 | Utsa |
| | | 6 | 05.21 | 218.25 | Utsa |
| | | 7 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 8 | 05.20 | 218.25 | Utsa |
| | | 9 | 05.21 | 218.25 | Utsa |
| | | 10 | 05.21 | 218.25 | Utsa |
| | | 11 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 12 | 05.20 | 218.25 | Utsa |
| | | 13 | 05.20 | 218.25 | Utsa |
| | | 14 | 05.20 | 218.25 | Utsa |
| | | 15 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 16 | 05.20 | 218.25 | Utsa |
| | | 17 | 05.20 | 218.25 | Utsa |
| | | 18 | 05.20 | 218.25 | Utsa |
| | | 19 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 20 | 05.20 | 218.25 | Utsa |
| | | 21 | 05.20 | 218.25 | Utsa |
| | | 22 | 05.20 | 218.25 | Utsa |
| | | 23 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 24 | 05.20 | 218.25 | Utsa |
| | | 25 | 05.20 | 218.25 | Utsa |
| | | 26 | 05.20 | 218.25 | Utsa |
| | | 27 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 28 | 05.20 | 218.25 | Utsa |
| | | 29 | 05.20 | 218.25 | Utsa |
| | | 30 | 05.20 | 218.25 | Utsa |
| | | 31 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 32 | 05.20 | 218.25 | Utsa |
| | | 33 | 05.20 | 218.25 | Utsa |
| | | 34 | 05.20 | 218.25 | Utsa |
| | | 35 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 36 | 05.20 | 218.25 | Utsa |
| | | 37 | 05.20 | 218.25 | Utsa |
| | | 38 | 05.20 | 218.25 | Utsa |
| | | 39 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 40 | 05.20 | 218.25 | Utsa |
| | | 41 | 05.20 | 218.25 | Utsa |
| | | 42 | 05.20 | 218.25 | Utsa |
| | | 43 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 44 | 05.20 | 218.25 | Utsa |
| | | 45 | 05.20 | 218.25 | Utsa |
| | | 46 | 05.20 | 218.25 | Utsa |
| | | 47 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 48 | 05.20 | 218.25 | Utsa |
| | | 49 | 05.20 | 218.25 | Utsa |
| | | 50 | 05.20 | 218.25 | Utsa |
| | | 51 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 52 | 05.20 | 218.25 | Utsa |
| | | 53 | 05.20 | 218.25 | Utsa |
| | | 54 | 05.20 | 218.25 | Utsa |
| | | 55 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 56 | 05.20 | 218.25 | Utsa |
| | | 57 | 05.20 | 218.25 | Utsa |
| | | 58 | 05.20 | 218.25 | Utsa |
| | | 59 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 60 | 05.20 | 218.25 | Utsa |
| | | 61 | 05.20 | 218.25 | Utsa |
| | | 62 | 05.20 | 218.25 | Utsa |
| | | 63 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 64 | 05.20 | 218.25 | Utsa |
| | | 65 | 05.20 | 218.25 | Utsa |
| | | 66 | 05.20 | 218.25 | Utsa |
| | | 67 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 68 | 05.20 | 218.25 | Utsa |
| | | 69 | 05.20 | 218.25 | Utsa |
| | | 70 | 05.20 | 218.25 | Utsa |
| | | 71 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 72 | 05.20 | 218.25 | Utsa |
| | | 73 | 05.20 | 218.25 | Utsa |
| | | 74 | 05.20 | 218.25 | Utsa |
| | | 75 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 76 | 05.20 | 218.25 | Utsa |
| | | 77 | 05.20 | 218.25 | Utsa |
| | | 78 | 05.20 | 218.25 | Utsa |
| | | 79 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 80 | 05.20 | 218.25 | Utsa |
| | | 81 | 05.20 | 218.25 | Utsa |
| | | 82 | 05.20 | 218.25 | Utsa |
| | | 83 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 84 | 05.20 | 218.25 | Utsa |
| | | 85 | 05.20 | 218.25 | Utsa |
| | | 86 | 05.20 | 218.25 | Utsa |
| | | 87 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 88 | 05.20 | 218.25 | Utsa |
| | | 89 | 05.20 | 218.25 | Utsa |
| | | 90 | 05.20 | 218.25 | Utsa |
| | | 91 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 92 | 05.20 | 218.25 | Utsa |
| | | 93 | 05.20 | 218.25 | Utsa |
| | | 94 | 05.20 | 218.25 | Utsa |
| | | 95 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 96 | 05.20 | 218.25 | Utsa |
| | | 97 | 05.20 | 218.25 | Utsa |
| | | 98 | 05.20 | 218.25 | Utsa |
| | | 99 | 05.20 | 218.25 | Utsa |
| 30 | 01:00 | 100 | 05.20 | 218.25 | Utsa |
| | | 101 | 05.20 | 218.25 | Utsa |
| | | 102 | 05.20 | 218.25 | Utsa |
| | | 103 | 05.20 | 218.25 | Utsa |

TERRITORY OF PAPUA AND NEW GUINEA.

Earthquakes reported for the month of

January, 1959

to the

Vulcanological Observatory

RABAU.

| DATE | LOCAL TIME G.M.T. + 10 hrs. | INTENSITY and duration | LATITUDE SOEN | LONGITUDE EAST | LOCALITY |
|-------|--------------------------------|---------------------------|------------------|-------------------|------------|
| 22.1 | 01.17 | 3 | 05.30 | 151.30 | Pomio |
| 26.1 | 01.11 | 2 | 04.11 | 152.10 | Rabaul |
| | 17.17 | 1 | 04.11 | 152.10 | Rabaul |
| 06.1 | 01.17 | 1 | 05.30 | 151.30 | Pomio |
| 10.11 | 01.17 | 1 | 03.05 | 152.40 | Londolovit |
| 12.11 | 01.17 | 1-2 | 07.00 | 146.35 | Namong |
| 16.11 | 01.17 | 2 | 06.45 | 151.30 | Lao |
| | 17.17 | 4 | 05.15 | 151.35 | Rangarere |
| | 17.17 | 3 | 05.15 | 151.35 | Rangarere |
| 18.11 | 18.17 | 1 | 04.11 | 152.10 | Rabaul |
| | 18.17 | 2 | 04.12 | 151.39 | Cavit |
| | 18.17 | 3 | 04.11 | 152.10 | Rabaul |
| | 18.17 | 2 | 04.12 | 151.39 | Cavit |
| | 18.17 | 2-3 | 04.11 | 152.10 | Rabaul |
| | 18.17 | 2 | 04.12 | 151.39 | Cavit |
| 19.11 | 10.17 | 3-4 | 07.00 | 146.35 | Namong |
| 23.11 | 01.17 | 2 | 05.35 | 146.30 | Saidor |
| 24.11 | 15.17 | 2 | 04.11 | 152.10 | Rabaul |
| 25.11 | 15.17 | 3 | 05.15 | 151.35 | Rangarere |
| 27.11 | 08.17 | 2 | 05.35 | 146.30 | Saidor |

 B.A. Taylor.
 Vulcanologist.


TERRITORY OF PAPUA AND NEW GUINEA.

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 6th February, 1959.



| | | | | |
|-----------|------------------------------|----|----|----|
| 30th Jan. | iP | 00 | 22 | 05 |
| | i | | | 10 |
| | i(P) | 00 | 24 | 05 |
| | in coda of preceeding | | | |
| | iP | 18 | 16 | 24 |
| | deep ? | | | |
| | iP | 18 | 21 | 32 |
| | iS | | 25 | 43 |
| | i(P) | 18 | 34 | 51 |
| | i(P) | 20 | 47 | 41 |
| | iP | 22 | 25 | 31 |
| 31st Jan. | ----- | | | |
| 1st Feb. | eP | 05 | 31 | 29 |
| | i | | 33 | 16 |
| 2nd Feb. | i | 04 | 01 | 40 |
| | Confused by microseisms | | | |
| | i | 11 | 58 | 10 |
| 3rd Feb. | iP | 01 | 51 | 23 |
| | iP | 23 | 30 | 46 |
| | deep | | | |
| 4th Feb. | Strong microseismic activity | | | |
| 5th Feb. | i(P) | 19 | 06 | 16 |
| | confused by microseisms | | | |

MTA

G.A.TAYLOR

VULCANOLOGIST

LIST OF PAPERS FOR NEW GUINEA.

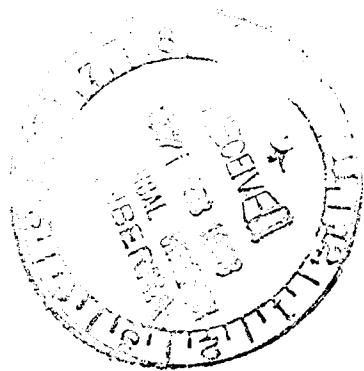
SEISMOLOGICAL STATION RAHUL.

Approximate readings - 13th February, 1959.

| | | | | | |
|-----------|---|----|----|----|---|
| 10th Feb. | AP | 14 | 43 | 19 | |
| | I | | | 29 | |
| | I | | | 32 | |
| 7th Feb. | AP | 09 | 55 | 56 | |
| | I | | | 57 | |
| | AP | 10 | 16 | 26 | |
| | I | | | 29 | |
| 6th Feb. | Strong microseismic activity. | | | | |
| 9th Feb. | AP! | 21 | 13 | 53 | |
| | Eolt Rabaul 04.11 S 152.10 E Intensity 4 (MS) | | | | |
| 10th Feb. | Strong microseismic activity. | | | | |
| 11th Feb. | " | " | " | " | " |
| 12th Feb. | AP | 17 | 08 | 51 | |
| | I | | 09 | 13 | |

C.A.FAYLOR.

SEISMOLOGIST.



ANNALS OF THE INTERNATIONAL SEISMOLOGICAL CENTRE
ANNALS OF THE INTERNATIONAL SEISMOLOGICAL CENTRE

Annals of Seismology - 20th February, 1959

| Date | Time | Duration | Amplitude | Intensity |
|-----------|------------------------------|----------|-----------|-----------|
| 15th Feb. | Strong microseismic activity | | | |
| 17th Feb. | c | 04 | 43 | 17 |
| | 1 | 22 | 21 | 07 |
| | 1P | 22 | 36 | 13 |
| | 1 | | | 27 |
| | c | | 37 | 16 |
| 17th Feb. | 1P | 04 | 14 | 24 |
| | c | | 15 | 32 |
| | c | | 16 | 27 |
| 18th Feb. | c | 14 | 21 | 29 |
| | confused by microseisms | | | |
| 17th Feb. | 1P | 00 | 02 | 45 |
| | 1P | 11 | 50 | 41 |
| | 1 | | | 53 |
| | c | | | 14 |
| | 1P | 12 | 14 | 35 |
| | 1 | | | 40 |
| | c | | 15 | 33 |
| | c | | 43 | 16 |
| 18th Feb. | 1 | 14 | 07 | 15 |
| | 1P | 17 | 33 | 25 |
| | 1 | | | 31 |
| | 1 | | | 42 |
| | 1P | 18 | 41 | 56 |
| | 1 | | 42 | 17 |
| | 1(3) | | | 31 |
| 19th Feb. | 1P | 11 | 43 | 28 |
| | 1P | | | 33 |
| | 1 | | | 14 |
| | 1P | 21 | 04 | 33 |
| | 1 | | 05 | 08 |
| | c | | 07.1 | |
| | 1P | 22 | 48 | 48 |
| | 1 | | | 10 |



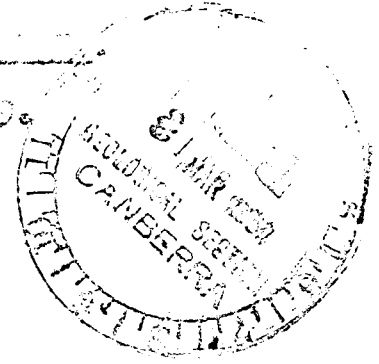
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G.A. TAYLOR
SEISMOLOGIST.

INTERNATIONAL SEISMOLOGICAL CENTRE

INTERNATIONAL SEISMOLOGICAL CENTRE

INTERNATIONAL SEISMOLOGICAL CENTRE - 2701 BUNNINGS, 1979



| | | | |
|------|----|----|----|
| 1979 | 12 | 30 | 32 |
| 1979 | | | 33 |
| | 12 | 37 | 36 |
| | | | 37 |
| 1979 | 10 | 31 | 31 |

INTERNATIONAL SEISMOLOGICAL CENTRE

| | | | |
|------|----|----|----|
| 1979 | 10 | 31 | 31 |
| | | | 32 |
| | | | 33 |
| | | | 34 |

| | | | |
|------|----|----|----|
| 1979 | 01 | 30 | 34 |
|------|----|----|----|

1979-1980 (01.100, 110.000) Int. 4-6 (100)
1980-1981 (01.100, 120.000) Int. 4 (100)

| | | | |
|------|----|----|----|
| 1979 | 10 | 30 | 37 |
| | | | 38 |

| | | | |
|---|----|----|----|
| 0 | 15 | 15 | 15 |
|---|----|----|----|

| | | | |
|------|----|----|----|
| 1979 | 17 | 31 | 33 |
|------|----|----|----|

| | | | | |
|-----------|---|----|----|----|
| 1979 Feb. | 0 | 12 | 32 | 11 |
|-----------|---|----|----|----|

| | | | | |
|-----------|---|----|----|----|
| 1979 Feb. | 0 | 20 | 13 | 06 |
|-----------|---|----|----|----|

| | | | |
|--|--|--|----|
| | | | 07 |
| | | | 08 |

| | | | |
|------|----|----|----|
| 1979 | 23 | 10 | 14 |
|------|----|----|----|

1979 Feb 21 (01.110, 152.100) Int. 1 (100)

| | | | |
|-----------|----|----|----|
| 1979 Feb. | 17 | 10 | 34 |
|-----------|----|----|----|

| | | | |
|------|----|----|----|
| 1979 | 17 | 34 | 23 |
|------|----|----|----|

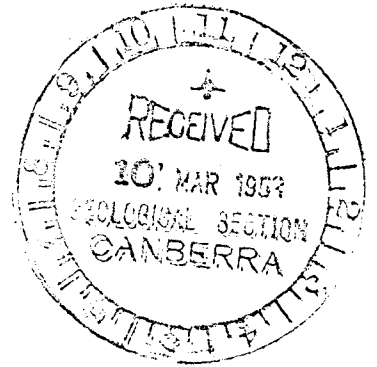
ALHA

INTERNATIONAL SEISMOLOGICAL CENTRE

Seismological Observations
Station No. 10000

Station No. 10000 - 6th March, 1959.

| | | | |
|-----------|----|----|-------------------------------|
| 2/3 | 04 | 01 | 01 |
| 0 | | 09 | |
| 0 | | 33 | |
| 0(0) | | 30 | |
| 1(0) | 05 | 59 | 01 |
| | | | Confused by microseisms. |
| 1 | 15 | 53 | 23 |
| 01 | | | 34 |
| 0 | | 57 | 04 |
| 0 | | | |
| 0 | 18 | 33 | 01 |
| 0 | | | 00 |
| 0 | 20 | 46 | 28 |
| 0 | | | 34 |
| 0 | 00 | 43 | 01 |
| 0 | | | 33 |
| 0(0) | 09 | 29 | 00 |
| 0 | 23 | 34 | 35 |
| 0 | 26 | 00 | 50 |
| 0 | | | 57 |
| 0(0) | 01 | 15 | 00 |
| 0(0) 0(0) | | | Strong microseismic activity. |
| 0 | | | " |
| 0 | | | " |
| 0(0) | 12 | 50 | 20 |
| 0 | | | 34 |
| 0 | | 57 | 30 |
| | | | Confused by microseisms. |
| 0P | 14 | 18 | 20 |
| 1 | | | 53 |



MHT

C. A. G. G. G.
Geological Section

.....
.....

..... - 15th March, 1959.

600000. 17 16 50 52
18 51 52
Date: March 04.11.59 152.10 E Intensity 1 (M)

1600 20 31 (52)
Caused by microseisms.

1600 20 45 (02)
Caused by microseisms.

700000. 21 19 63 18
18 19

19 10 53 24

800000. Heavy microseismic activity.

900000. " " "

1000000. " " "

1100000. 17 20 37 36
2000

1200000. 1600 01 32 23
Caused by microseisms:

17 03 42 47

17 09 01 05
Date: March 04.11.59 152.10 E Intensity 3 (M)



G. I. ...
.....

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REPORT OF THE DEPT. AND THE STATION.

SEISMOLOGICAL OBSERVATORY HAWAII.

Provisional readings - 20th March, 1959

| | | | | |
|------------|---|----|----|------|
| March 1959 | 1P | 12 | 23 | 51 |
| | 1S | | 24 | 03 |
| | o | 16 | 46 | 50 |
| March 1959 | 1P | 07 | 01 | 06 |
| March 1959 | 1P | 22 | 47 | 31 |
| | 1 | | | 35 |
| March 1959 | 1P | 12 | 35 | 56 |
| | 1P Deep | 15 | 03 | 07 |
| March 1959 | 1P | 08 | 32 | 40 |
| | 1 | | | 46 |
| | 1 | | 33 | 41 |
| | o | | 38 | 32 |
| March 1959 | 1P | 17 | 06 | 10 |
| | 1 | | | 14 |
| March 1959 | No record. | | | |
| March 1959 | 1P | 05 | 43 | 29 |
| | 1 | | | 14 |
| | 1 | | | 30 |
| March 1959 | 1(P) | 07 | 31 | 31 |
| | o(P) | 08 | 45 | 26 |
| March 1959 | 1 | | | 29 |
| | 1P | 14 | 29 | 42 |
| March 1959 | 1S | | | 50 |
| | Folt Rabaul 14.113 152.10 S Intensity 1 (M) | | | |
| March 1959 | 1P | 17 | 46 | 03 |
| | 1 | | | 09 |
| March 1959 | o | 18 | 55 | (10) |

C.A. Taylor
Seismologist.



1958
1959

1958-1959 - 1958 March, 1959

| | | | |
|------|----|----|----|
| 1958 | 04 | 33 | 20 |
| 0 | 04 | 34 | 24 |
| 1 | 04 | 35 | 40 |
| 1 | 04 | 37 | 48 |

Confused; may be several shocks

| | | | |
|------|----|----|----|
| 1958 | 03 | 45 | 32 |
|------|----|----|----|

Confused by microseisms.

| | | | |
|---|----|----|----|
| 0 | 13 | 07 | 06 |
|---|----|----|----|

| | | | |
|------|----|----|----|
| 1958 | 17 | 22 | 23 |
|------|----|----|----|

| | | | |
|----|----|----|----|
| 00 | 19 | 52 | 42 |
|----|----|----|----|

| | | | |
|---|--|----|----|
| 1 | | 54 | 20 |
|---|--|----|----|

| | | | |
|---|--|----|----|
| 1 | | 58 | 00 |
|---|--|----|----|

| | | | |
|------|----|----|----|
| 1958 | 12 | 56 | 55 |
|------|----|----|----|

abt about 0.113 152.108 Intensity 1 (MS)

| | | | |
|----|----|----|----|
| 19 | 17 | 35 | 10 |
|----|----|----|----|

| | | | |
|------|----|--|--|
| 1958 | 01 | | |
|------|----|--|--|

| | | | |
|------|----|----|----|
| 1958 | 01 | 18 | 12 |
|------|----|----|----|

| | | | |
|----|----|----|----|
| 00 | 02 | 39 | 01 |
|----|----|----|----|

| | | | |
|---|--|--|----|
| 1 | | | 09 |
|---|--|--|----|

| | | | |
|------|----|----|----|
| 0(2) | 17 | 37 | 44 |
|------|----|----|----|

| | | | |
|------|----|----|----|
| 1958 | 07 | 05 | 58 |
|------|----|----|----|



WAT

J. B. ...
A/...

-2-

| | | | | |
|------------------|------|----|----|----|
| 1st April(cont.) | 1P | 23 | 34 | 35 |
| 2nd April | 1P! | 16 | 26 | 07 |
| | i(S) | | | 14 |
| | 1P | 19 | 29 | 07 |

J.Barrie.
A/Vulcanologist.

TERRITORY OF PAPUA AND NEW GUINEA.

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 3rd April, 1959.

| | | | | |
|------------|---|----|----|------|
| 26th March | iP | 02 | 25 | 27 |
| | i! | | | 30 |
| | Felt Rabaul 04.11S 152.10E Intensity 1 (MM) | | | |
| | iP | 05 | 30 | 33 |
| | i | | 31 | 18 |
| | i | | 34 | 22 |
| | iP | 07 | 49 | 49 |
| | i(S) | | 50 | 43 |
| | iP! | 10 | 12 | 43 |
| | Felt Rabaul Intensity 1 (MM) | | | |
| | e | 14 | 22 | 23 |
| | eP | 21 | 33 | 37 |
| | i(S) | | 34 | 24 |
| 27th March | iP | 09 | 21 | 55 |
| | i! | | | 57 |
| 28th March | iP | 11 | 36 | 46 |
| | i! | | | 47 |
| | i(S) | | 37 | 07 |
| | iP | 14 | 49 | 38 |
| | i! | | | 39 |
| | iS | | 50 | 01 |
| | Felt Rabaul Intensity 2-3 (MM) | | | |
| | Numerous small foreshocks and aftershocks. | | | |
| | i | 17 | 18 | 58 |
| | eIP | 19 | 52 | 58 |
| | e | | 54 | 23 |
| | i | | | 35 |
| | i | | 55 | 15 |
| | i | | 55 | 18 |
| | i | | 57 | 35 |
| | i | | | 37 |
| | i | | | 46 |
| | i | | 59 | 19 |
| | i | | 01 | 38 |
| | i | | 02 | 18 |
| | i | | | 20 |
| 29th March | iP | 09 | 32 | 57 |
| | iP | 09 | 44 | 23 |
| 30th March | i | 12 | 51 | 02 |
| | iP! | 15 | 01 | 16 |
| | i | | | 29 |
| 31st March | Nil | | | |
| 1st April | i | 12 | 41 | 27 |
| | i(P) | 14 | 21 | 58 |
| | e(P) | 14 | 53 | 11 |
| | e(P) | 22 | 52 | (31) |
| | confused by microseisms. | | | |



M.H.

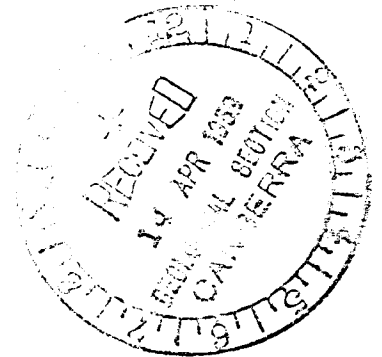
TERRITORY OF PAPUA AND NEW GUINEA.

4-1959

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 10th April, 1959.

| | | | | |
|----------|--|----|------|----|
| 3rd Apr. | Strong microseismic activity | | | |
| 4th Apr. | e(P) | 18 | 55 | 41 |
| | i | | | 44 |
| | e | | 56 | 30 |
| 5th Apr. | iP | 21 | 10 | 16 |
| | e | | 13.6 | |
| | iP | 23 | 30 | 55 |
| | Felt Saidor 05°35' S, 146°35' E Intensity 5 (MM) | | | |
| 6th Apr. | eP | 08 | 42 | 59 |
| | iP | 13 | 11 | 17 |
| | eP | 14 | 19 | 06 |
| | e(L) | | 29 | 34 |
| 7th Apr. | Strong microseismic activity | | | |
| 8th Apr. | iP | 01 | 30 | 13 |
| | i(S) | | 35 | 26 |
| | iP | 08 | 08 | 28 |
| | i(S) | | 35 | 29 |
| | i(S) | | 35 | 36 |
| 9th Apr. | e(P) | 06 | 30 | 21 |
| | iP | 17 | 57 | 35 |
| | iP | 18 | 03 | 58 |
| | i(S) | | 04 | 46 |
| | iP! | 20 | 36 | 45 |



J. Barrie.
A/Vulcanologist.

MBT

STATIONARY OBSERVATIONS AT KATIAU

STATIONARY OBSERVATIONS AT KATIAU

4 PAGE 11

17th April, 1959.

10th Apr. 1P 05 33 (25)
 1(S) 48 (41)
 1(LM) 06 02 43

11th Apr. 1P 11 34 08

12th Apr. Power off 0550 - 2400

13th Apr. Strong microseismic activity.

14th Apr. " " "

15th Apr. 1P1 09 44 55
 Felt Katiau 04.118 152.108 intensity 1 (MM)

1P1 16 41 55
 1(S) 42 04

1(P) 19 21 17
 1 29

16th Apr. 1P 07 33 16

1P 16 18 16
 1 21 49
 1 26 06

1(P) 16 57 43



J. DARRIN
A/VULCANOLOGIST.

MH



Provisional Bulletin - 1st May, 1950.

| | | | | |
|------------|-----|----|----|----|
| 24th April | 1P: | 13 | 52 | 04 |
| | 1P | 18 | 05 | 30 |
| 25th April | 1P: | 06 | 59 | 04 |
| | 1P: | 15 | 48 | 10 |
| 26 April | 1P | 08 | 48 | 54 |
| | i | | | 23 |
| | i | | 49 | 57 |
| | 1P | 17 | 30 | 50 |
| | 1P | 20 | 48 | 10 |

| | | | | |
|------------|----|----|----|----|
| | 1P | 20 | 48 | 10 |
| 27th April | 1P | 09 | 53 | 20 |
| | 1 | | | 47 |
| | 1 | 10 | 00 | 00 |
| | 1P | 12 | 56 | 12 |



28th April
 1P: 13 00 43
 Fort Sabaul 14.118 - 152.108 Intensity 2 (M)
 " Marial 04.308 - 152.008 " 2 "

| | | | | |
|------------|-----|----|------|----|
| | 1P | 15 | 59 | 39 |
| | 1 | | | 44 |
| 29th April | 1P: | 03 | 29 | 01 |
| | 1P | 12 | 34 | 33 |
| | 1P | 12 | 47 | 58 |
| | 1 | | 48 | 26 |
| | OP | 15 | 40.3 | |
| | 1P | 17 | 55 | 16 |

| | | | | |
|------------|----|----|----|----|
| 30th April | 1P | 09 | 15 | 30 |
| | 1 | | | 32 |
| | 1P | 13 | 44 | 27 |
| | 1P | 17 | 16 | 51 |

J. BARRIE.
A/SEISMOLOGIST.



-2-

- 8 May

| | | | |
|-----|----|----|------|
| iP | 11 | 17 | 58 |
| oLR | | 18 | (34) |
| iP | 13 | 19 | 08 |
| oLR | | | (56) |

All above shocks typical of Bismarck Sea origin.

| | | | |
|-----|----|----|----|
| eP | 20 | 28 | 49 |
| i | | 32 | 01 |
| iP! | 20 | 48 | 12 |

J. BARRIE
A/VULCANOLOGIST.

SEISMOLOGICAL OBSERVATORY RABAUL.

Providential readings - 8th May, 1959.

| | | | | |
|---------|--|----|------|------|
| 1st May | e(P) | 07 | 23 | 13 |
| | i | | | 17 |
| | e(P) | 08 | 49 | (11) |
| | iP! | 14 | 57 | 26 |
| | Felt Rabaul 14.11S - 152.10E Intensity 3(MM) | | | |
| | iP! | 15 | 01 | 26 |
| | iS | | | 46 |
| | in coda of preceding | | | |
| | iP | 23 | 20 | 50 |
| | i! | | | 52 |
| | i(S) | | 21 | 12 |
| 2nd May | i(P) | 10 | 11 | 39 |
| | iP! | 21 | 30 | 54 |
| 3rd May | Nil. | | | |
| 4th May | iP | 07 | 25 | 29 |
| | i! | | | 30 |
| | i | | 27 | 53 |
| | i(S) | | 33 | 21 |
| | i(S) | | 33 | 25 |
| | i | | 34 | 08 |
| | e | 07 | 54 | 58 |
| | i | | 55 | 31 |
| | i | | | 36 |
| 5th May | eP | 19 | 14 | 07 |
| 6th May | eLR | 18 | 17.9 | |
| | iP | 18 | 39 | 25 |
| | eLR | | 40.9 | |
| | Typical signature for Bismarck Sea shock | | | |
| | iP | 18 | 57 | 44 |
| | deep? in coda of preceding. | | | |
| | i(P) | 19 | 59 | 38 |
| 7th May | iP | 11 | 44 | 40 |
| 8th May | iP | 00 | 04 | 26 |
| | i | | | 30 |
| | eLR | | 05 | (18) |
| | i(P) | 04 | 42 | (17) |
| | eLR | | 43 | (01) |
| | confused by microseisms. | | | |
| | iP | 04 | 49 | 39 |
| | eLR | | 50 | (19) |
| | iP | 05 | 24 | 36 |
| | eLR | | 25 | (21) |
| | iP | 09 | 04 | 28 |
| | eLR | | 05 | (08) |



41114

Volcanical readings - 22nd May, 1959.

17th May

M11

18th May

IP! 06 16 53
 Felt Rabaul 04.11S, 152.10E Intensity 4-5 (MM)
 Felt 0617 Karfai 04.30S, 152.00E Intensity 2 (MM)
 Felt 0619 Londolovit 03.05S, 152.40 E Int. 5 (MM)

IP 07 31 49
 I! 50
 Felt Rabaul 04.11S, 152.10E Intensity 1 (MM)

e 14 26 53

e(P) 15 00 28
 I 29

IP 19 26 59
 I(S) 27 44 deep?

17th May

IP! 12 00 06

IP 13 37 07
 I 12
 I 14

18th May

IP 05 40 37

19th May

IP! 02 52 42

IP 11 20 13

IP 11 21 (44)
 in coda of preceding.

20th May

I 11 33 20

I 12 34 40

IP 19 43 51

IP 20 51 58

21st May

IP 11 51 51

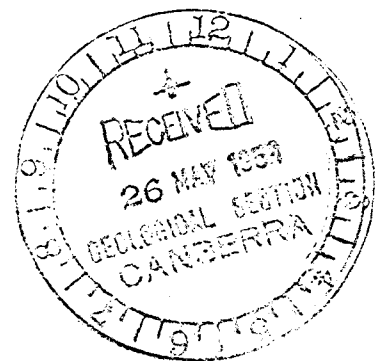
I(S) 52 10

I(S) 12

IP 12 13 15

e 18 50 12

I 16



J. Barrie.
A/Vulcanologist.

[Handwritten signature]

-2-

M. 25th

1(P) 18 31 47

1P 22 29 48

1 30 10

Felt Ambunti 04.15S, 142.50E Intensity 5 (MM)

J. Barrie.
A/Vulcanologist.

SEISMOLOGICAL OBSERVATORY RABAU.

Seismological Observations - Rabaul, May, 1969

May 22nd IP! 07 04 55 deep.

IP! 11 13 46

May 23rd IP! 12 23 51

IP! 13 04 46

Felt Rabaul 14.11S, 152.10E Intensity 1 (MM)

IP! 21 29 00

Felt Rabaul 14.11S, 152.10E Intensity 1 (MM)

May 24th I 08 13 18

I 11 39 14

o 19 36 08

i 10

IP! 20 05 03

Felt Rabaul 14.11S, 152.10E Intensity 2 (MM)

" 2002 Pomio " 4-5 (MM)

May 25th IP! 11 10 20

IP! 12 09 43

Felt 1207 Pomio Intensity 4-5 (MM)

o 14 01 41

i 51

i 14 04 43

IP! 14 16 56

IP! 57

i 17 11 14

i 27

May 26th IP! 04 20 25

i 57 deep?

IP! 07 10 30

Felt Rabaul 14.11S, 152.10E Intensity 2 (MM)

IP! 07 23 58

Felt Rabaul 14.11S, 152.10E " 1 "

IP! 07 32 16

Felt Rabaul 14.11S, 152.10E " 2 "

IP! 07 33 (13)

IP! 09 49 54

Felt Rabaul 14.11S, 152.10E " 2 "

Numerous small fore and aftershocks with S-P 5-6 secs. Movement from S.W.

May 27th i 10 54 03

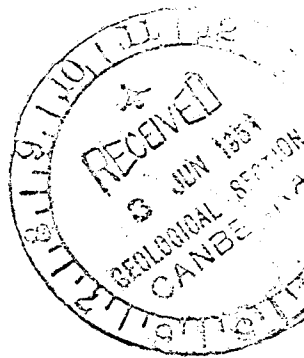
IP! 20 41 21

i 28

Felt Rabaul 14.11S, 152.10E Intensity 1 (MM)

IP! 42 58

i 43 02



VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 5th June, 1959.

| | | | | |
|----------|--------|----|----|------|
| May 29th | iP | 02 | 07 | 19 |
| | i | | | 24 |
| | i | 09 | 22 | 30 |
| | eP | 10 | 47 | 38 |
| | i | | | 39 |
| | i(S) | | 51 | 41 |
| | i(LP) | | 53 | 17 |
| | e(PGS) | | 54 | 35 |
| | e(N) | | 56 | 36 |
| | i(SCS) | | 58 | 52 |
| | iP! | 12 | 10 | 38 |
| | i | | | 42 |
| | i | 12 | 33 | 40 |
| | iP | 14 | 06 | 22 |
| | i | 16 | 36 | 52 |
| | e(P) | 17 | 58 | 15 |
| | i | | | 18 |
| | iP! | 18 | 36 | 15 |
| May 30th | e | 13 | 22 | 52 |
| | e | | 23 | 25 |
| | i | | | 27 |
| | eP | 18 | 19 | 49 |
| | i | | | 53 |
| | i(S) | | 20 | 46 |
| | i(S) | | 20 | 49 |
| | i | | | 58 |
| | i | 19 | 56 | 12 |
| | i | | | 27 |
| | i | | | 30 |
| May 31st | e | 03 | 42 | 21 |
| | e | 05 | 56 | 32 |
| | i | | | 45 |
| | iP | 09 | 29 | 21 |
| | i(S) | | 30 | (14) |
| | e | 17 | 23 | 11 |
| | i | | | 25 |
| | iP | 17 | 46 | 14 |
| | i(S) | | 47 | 19 |
| | i | | | 23 |
| | i(P) | 17 | 52 | 42 |
| | i(P) | | | 46 |
| | i(S) | | 53 | 50 |
| | i | | 54 | 57 |
| | e | 20 | 48 | 30 |
| June 1st | iP! | 05 | 32 | 30 |
| | i | | 33 | 13 |
| | iP | 12 | 33 | 40 |
| | i | | 34 | 23 |
| | i | | | 30 |

| | | | | |
|----------|------|----|----|----|
| June 1st | iP | 15 | 39 | 15 |
| | i | | | 19 |
| | i(S) | | | 51 |
| | i(S) | | | 53 |
| | iP | 17 | 08 | 28 |
| | i | | 09 | 10 |
| | i(S) | | | 18 |
| | i | | | 28 |
| June 2nd | i(P) | 00 | 55 | 00 |
| | iP | 02 | 02 | 19 |
| | i | | | 59 |
| | i | 02 | 45 | 17 |
| | e | 03 | 39 | 05 |
| | iP | 05 | 04 | 50 |
| | i | | 05 | 24 |
| | i(P) | 17 | 25 | 31 |
| June 3rd | iP | 04 | 00 | 34 |
| | i(S) | | 01 | 28 |
| | i(S) | | | 30 |
| | i | | 02 | 52 |
| June 4th | Nil. | | | |

J. Barrie.
A/Vulcanologist.

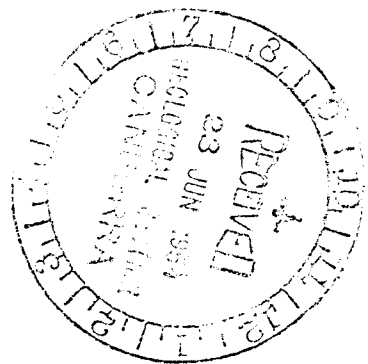


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Felt Rabaul 04.11S, 152.10E Int 2(MM)

1977-1978 - 1981-1982, 1979.

| Year | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 |
|-----------|------|------|------|------|------|------|
| 1977-1978 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1978-1979 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1979-1980 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1980-1981 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1981-1982 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1979-1980 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1980-1981 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1981-1982 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1977-1978 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1978-1979 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1979-1980 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1980-1981 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1981-1982 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1979-1980 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1980-1981 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1981-1982 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1977-1978 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1978-1979 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1979-1980 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1980-1981 | 10 | 26 | 14 | 14 | 14 | 14 |
| 1981-1982 | 10 | 26 | 14 | 14 | 14 | 14 |



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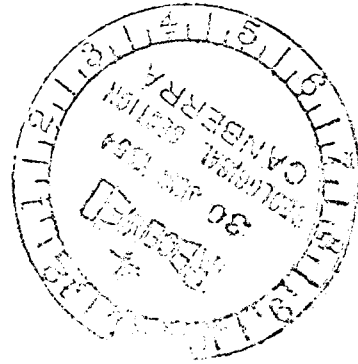
J. Barrio
Madrid, Spain.

TERRITORY OF NEW GUINEA AND NEW GUINEA.

VULCANOLOGICAL OBSERVATORY RABAUL.

Paroxysmal readings - 26th June, 1959

| | | | | |
|-----------|---|----|------------|----------------|
| 17th June | OP IS | 01 | 44 45 | 25 13 |
| 20th June | Nil | | | |
| 21st June | IP OP | 03 | 29 30.3 | 11 |
| | Signature typical of Bismarck Sea origin. | | | |
| | IP! | 05 | 48 | 08 |
| 22nd June | IP! I(S) | 05 | 34 | 14 32 |
| | IP! | 09 | 17 | 03 |
| | IP IS IS | 11 | 28 29 | 56 47 48 |
| 23rd June | Nil | | | |
| 24th June | Nil | | | |
| 25th June | IP I | 08 | 35 37 | 36 04 |
| | IP! | 14 | 35 | 26 |
| | Point Rabaul 04.11S, 152.10E Int. 2 (MI) | | | |
| | I(P) I(S) | 16 | 16 | 30 59 |



J. Ferric.
A/Vulcanologist.

Handwritten mark: VHA7

1959-1960 Catalogue of Earthquakes

 Earthquake Catalogue - 31st July, 1959.

| | | | | |
|-----------------------|------|----|----|------|
| 26 th June | 0 | 14 | 31 | 21 |
| | 101 | 14 | 34 | 20 |
| | 1(1) | | | (31) |
| | 1(1) | | | (35) |

| | | | |
|---|----|----|----|
| 1 | 18 | 04 | 01 |
|---|----|----|----|

| | | | | |
|-----------------------|----|----|----|----|
| 27 th June | 12 | 05 | 12 | 42 |
| 1 | | | 13 | 21 |
| 1 | | | | 33 |

| | | | |
|------|----|----|----|
| 1(P) | 09 | 16 | 13 |
| 1(P) | | | 16 |
| 1(S) | | | 24 |
| 1(S) | | | 56 |

| | | | |
|------|----|----|----|
| 1(P) | 15 | 05 | 02 |
| 1 | | | 52 |

| | | | |
|------|----|----|----|
| 12 | 19 | 11 | 50 |
| 1(S) | | 12 | 24 |
| 1(S) | | | 28 |
| 1(S) | | 14 | 06 |
| 1(S) | | 15 | 21 |
| 1(S) | | 16 | 07 |
| 1(S) | | 17 | 30 |

| | | | | | |
|-----------------------|----|----|----|----|------------------------|
| 28 th June | 11 | 10 | 07 | 07 | Depth 100 km, 152°10'E |
| | | | | | Intensity 2 (III) |

| | | | |
|------|----|----|----|
| 12 | 19 | 46 | 30 |
| 1 | | 47 | 04 |
| 1(S) | | | 06 |
| 1(S) | | | 10 |

| | | | |
|--------|----|----|----|
| 12 | 19 | 49 | 34 |
| 1 | | | 25 |
| 1(PeP) | | 52 | 37 |
| 1 | | 56 | 12 |
| 1 | 20 | 00 | 11 |

| | | | | |
|-----------------------|----|----|----|------|
| 29 th June | 12 | 07 | 17 | 14 |
| | | | | 31.9 |

| | | | |
|------|----|----|------|
| 12 | 08 | 43 | (23) |
| 1(S) | | 44 | 28 |

Confused by microseisms

| | | | | |
|-----------------------|----|----|----|----|
| 30 th June | 12 | 10 | 30 | 59 |
| 1(P) | 16 | 12 | 23 | |
| 1(S) | | 13 | 20 | |

| | | | |
|----|----|----|----|
| 12 | 18 | 35 | 31 |
| 13 | | 36 | 28 |

| | | | |
|------|----|----|----|
| 12 | 18 | 40 | 53 |
| 1(S) | | 51 | 02 |



1st July

X i(P) 02 33 48 deep?
iP 05 22 (24) Confused by strong microseisms
iP! 13 39 05
iS 20
iP 18 24 40
iS 25 00
iP 19 06 (30)
i(S) 19 22 Confused by strong microseisms
iP! 20 13 31
i(S) 14 45

2nd July

X eP 11 33 30
iP 13 57 41 deep?
iP 15 20 17
i(S) 32
i(S) 36
iP 17 17 02
iS 39
iP 18 42 10
iS 42 49

J. Barrie
A/Vulcanologist.

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TERRITORY OF PAPUA AND NEW GUINEA
VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 10th July, 1959

| | | | | | | | | | | |
|----------|---|--------|----|------|------|--------------------------|---|-----------------|----|-------------|
| 3rd July | X | iP | 18 | 00 | 22 | 9th July | e | 17 | 00 | 17 |
| | | i | | | 27 | | e | 17 | 18 | 27 |
| | | i | | 03 | 23 | | e | 17 | 57 | 49 |
| | | e | | 04.6 | | | e | 20 | 15 | (37) |
| | | i | | 08 | 38 | | e | 16 | 45 | |
| 4th July | X | e(P) | 08 | 04 | 49 | | | | | |
| | | i(S) | | 05 | 56 | | | | | |
| | | e(P) | 10 | 18 | 46 | | | | | |
| | | i(S) | | 19 | 46 | | | | | |
| | | iP | 11 | 32 | 21 | | | | | |
| | | iS | | 33 | 21 | | | | | |
| | | e(P) | 13 | 37 | 34 | | | | | |
| 5th July | | iP | 14 | 07 | 11 | | | | | |
| | | i | | | 15 | | | | | |
| | | eP | 20 | 47 | (14) | | | | | |
| | | i | | | 47 | | | | | |
| | | i(S) | | 48 | 03 | | | | | |
| | | i | | | 13 | | | | | |
| 6th July | | iP! | 05 | 15 | 53 | Felt Rabaul | | 04.11S, 152.10E | | Int. 2 (MM) |
| | X | iP | 09 | 28 | 20 | | | | | |
| | | i | | | 31 | | | | | |
| | | i | | 31 | 05 | | | | | |
| | X | iP | 09 | 41 | (32) | | | | | |
| | | i | | | 45 | | | | | |
| | | i | | 44 | (02) | | | | | |
| | | i | | | 18 | Confused by microseisms. | | | | |
| | | iP! | 19 | 30 | 05 | | | | | |
| 7th July | | i(P) | 05 | 50 | 55 | | | | | |
| | | e | 10 | 55 | 04 | | | | | |
| | | i | | | 10 | | | | | |
| 8th July | | iP | 10 | 22 | 44 | | | | | |
| | | i | | | 58 | | | | | |
| | | i(S) | | 23 | 46 | | | | | |
| | | i(SS) | | | 57 | | | | | |
| | | i(SSS) | 24 | 08 | | | | | | |
| | | i(LR) | | | 11 | | | | | |
| | | iP | 17 | 57 | 34 | | | | | |
| | | i | | | 50 | | | | | |
| | | iP | 18 | 46 | (05) | | | | | |
| | | e | | | 53 | Confused by microseisms. | | | | |
| 9th July | | iP | 10 | 19 | 01 | | | | | |
| | | i | | | 07 | | | | | |
| | | i(S) | | | 54 | | | | | |
| | | i(P) | 10 | 22 | 40 | in coda of preceding | | | | |
| | X | eP | 16 | 24 | 11 | | | | | |
| | | i | | | 28 | | | | | |
| | | i | | 27 | 45 | | | | | |
| | | i | | 28 | 03 | | | | | |
| | | e | | 36.9 | | | | | | |

 G.A.Taylor.
Vulcanologist.


MUR

continued in second column

TERRITORY OF PAPUA AND NEW GUINEA
VULCANOLOGICAL OBSERVATORY RAPAUL.

Provisional readings - 17th July, 1959.

| | | | | |
|-----------|--------|----|----|----|
| 10th July | OP | 10 | 15 | 14 |
| | IS | | | 46 |
| | i | | | 48 |
| | 1P | 14 | 08 | 47 |
| | i | | | 56 |
| | i | | 07 | 14 |
| | e | | 10 | 02 |
| | i | | | 56 |
| | 1P | 17 | 53 | 19 |
| | i | | 54 | 42 |
| | 1P | 18 | 52 | 00 |
| | IS | | | 56 |
| 11th July | i | 03 | 12 | 17 |
| | X 1P | 04 | 56 | 28 |
| | 1P | 08 | 28 | 46 |
| | i | | | 51 |
| | X i(P) | 12 | 13 | 22 |
| | 1P | 22 | 56 | 28 |
| 12th July | 1P | 00 | 15 | 19 |
| | i | | | 24 |
| | i(S) | | 16 | 37 |
| | i | | | 47 |
| | X 1P | 00 | 30 | 25 |
| | o | | 36 | 08 |
| | i | | | 11 |
| | e | | 40 | 10 |
| | 1P | 09 | 19 | 15 |
| | IS | | | 57 |
| | o | 12 | 52 | 44 |
| | i | | | 47 |
| | o | 13 | 44 | 41 |
| | i | | 45 | 15 |
| 13th July | X 1P | 12 | 39 | 17 |
| | o(S) | | 41 | 27 |
| | i | | | 36 |
| | OP | 16 | 25 | 32 |
| | i(S) | | 26 | 33 |
| | i | | 27 | 11 |
| 14th July | 1P | 02 | 55 | 15 |
| | i | | | 34 |
| | i | | 56 | 06 |
| | i | | | 14 |
| | i | | | 24 |
| | i | | | 40 |
| | Nil. | | | |
| 15th July | | | | |
| 16th July | X 1P | 19 | 19 | 02 |
| | i | | | 46 |





VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 24th July, 1959

| 20th July | Nil. | | | | 21st July | oP | 07 | 33 | 57 |
|-----------|--------------------------|----|------|------|-----------|-------------------------|----|------|----|
| 20th July | oP | 08 | 19 | 38 | | 1 | | 34 | 06 |
| | 1 | | 20 | 40 | | 1(S) | | 34 | 42 |
| | 1P | 19 | 36 | 01 | | 1 | | 34 | 50 |
| | 1P | 20 | 02 | 00 | | oP | 07 | 47 | 31 |
| | 1(PeP) | | 03 | 33 | | 1 | | | 34 |
| | 1(S) | | 07 | 53 | | e | | 49 | 57 |
| | 1(SeS) | | 11 | 59 | | o | | 51.2 | |
| | o | | 15.7 | | | o | 09 | 37 | 15 |
| | o | | 22.2 | | | e | | 40 | 49 |
| | o | | 26.7 | | | 1 | | 41 | 02 |
| | o | | 28 | 18 | | 1P! | 09 | 47 | 59 |
| | e | | 32 | 25 | | 1:8 | | 48 | 15 |
| | 1 | | 36 | 18 | | | | | |
| | e | | 40.2 | | 22nd July | oP | 11 | 21 | 17 |
| | o | | 43.5 | | | o | | 22 | 38 |
| 19th July | o(P) | 15 | 24 | 45 | | o | 13 | 54 | 40 |
| | 1 | | 25 | 02 | | 1P | 19 | 33 | 06 |
| | 1 | | 27 | 08 | | o | | 35 | 03 |
| | 1 | | 27 | 42 | | 1 | | 35 | 12 |
| | 1(S) | | 28 | 19 | | 1 | | 40 | 14 |
| | 1 | | 28 | 42 | | 1 | | 42 | 03 |
| | 1 | | 29 | 37 | | | | | |
| | 1 | | 30 | 32 | | 1P! | 23 | 02 | 50 |
| | o | | 33.2 | | | 1(PeP) | | 10 | 44 |
| | o | | 37 | 29 | | Felt Kokopo Int. 4 (MM) | | | |
| 20th July | oP | 02 | 48 | 04 | | " Cavlt " 3-4 | | | |
| | 1 | | | 05 | | " Rabaul " 4 | | | |
| | 1 | | 49 | 55 | | " Raingarere " 4 | | | |
| | 1 | | 52 | 55 | | " Karlai " 4 | | | |
| | 1 | | 53 | 32 | | " Pomio " 3-4 | | | |
| | 1 | | 54 | 41 | | 1P! | 23 | 13 | 08 |
| | o(P) | 09 | 53 | (12) | | " Rabaul Int 2 (MM) | | | |
| | o | | 54 | 00 | | 1P! | 23 | 17 | 28 |
| | 1(S) | | 54 | 05 | | 1P! | 23 | 22 | 20 |
| | o | 11 | 12.8 | | 23rd July | 1P! | 00 | 05 | 15 |
| | 1S | | 13 | 46 | | Felt Rabaul Int 2 | | | |
| | o(P) | 12 | 42 | 24 | | 1P! | 00 | 18 | 08 |
| | 1 | | | 27 | | Felt Rabaul Int 2 | | | |
| | 1S | | 43 | 24 | | 1P! | 00 | 39 | 26 |
| | 1 | | | 26 | | 1S | | | 43 |
| | o | 15 | 21.7 | | | 1P! | 00 | 49 | 09 |
| | 1P | 16 | 59 | 23 | | 1S | | | 26 |
| | 1 | | 01 | 57 | | 1P | 02 | 09 | 07 |
| | 1 | | 04 | 50 | | 1! | | | 10 |
| | 1 | | 08 | 52 | | 1P! | 04 | 39 | 47 |
| | 1P! | 22 | 42 | 47 | | 1P! | 05 | 20 | 44 |
| | Felt Pomio Int. 3-4 (MM) | | | | | 1S | | | 59 |
| 21st July | 1P | 00 | 44 | 57 | | 1P! | 06 | 43 | 31 |
| | 1 | | 45 | 50 | | 1S | | | 47 |
| | 1 | | 46 | 02 | | | | | |
| | o(M) | | 49.4 | | | | | | |
| | 1P | 01 | 34 | 16 | | | | | |
| | 1S | | 35 | 16 | | | | | |

23rd July

IP:
IS13 51 18
33

OP

15 03 44

05

17

09

57

e

13 58

G.A.TAYLOR
VULCANOLOGIST.

119

LABORATORY OF EARTH AND PLANETARY
VULCANOLOGICAL OBSERVATORY BARAUL.

4 FN 9/12

Provisional Readings - 31st July, 1959

| | | | |
|-----------|----------------------|-------------------------------|----------------------|
| 24th July | 1P 11 | 02 04 | 25 26 |
| | 1P 1(3) | 11 04 | 15 36 |
| | 1P 18 | 11 11 | 06 26 |
| | 1P | 19 20 | 31 |
| | 1P | 23 14 | 26 |
| 25th July | | Strong microseismic activity. | |
| | 1P | 16 25 | 17 |
| 26th July | | Strong microseismic activity. | |
| | 1P | 10 59 | 25 |
| 27th July | | Strong microseismic activity. | |
| | 1P | 02 11 | 15 |
| | 1P | 05 27 | 12 |
| 28th July | | Strong microseismic activity. | |
| 29th July | 1P 1 | 18 54 | 44 48 |
| 30th July | OP 1 1 1(6) | 18 08 | 41 43 53 01 |

G.A. TAYLOR
VULCANOLOGIST.

Handwritten signature



126



TERRITORY OF PAPUA AND NEW

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 7th August, 1959.

| | | | | | |
|------------|------|--|----|----|---|
| 31st July | iP! | 04 | 59 | 52 | C |
| | iP! | 22 | 13 | 16 | C |
| | i | | | 43 | |
| | iP | 16 | 22 | 31 | |
| | i | | | 58 | |
| | iP | 18 | 36 | 12 | |
| | i | | | 49 | |
| 1st August | e | 16 | 17 | 15 | |
| | i | | | 23 | |
| | i | | 29 | 43 | |
| | i | | | 59 | |
| 2nd August | iP | 11 | 58 | 56 | |
| | i | | 59 | 05 | |
| | e | | | 58 | |
| 3rd August | iP | 11 | 52 | 18 | |
| | i! | | | 20 | |
| 4th August | e | 17 | 32 | 08 | |
| 5th August | eP | 10 | 51 | 28 | |
| | eP | 11 | 52 | 54 | |
| | i | | 53 | 45 | |
| | i | | 54 | 25 | |
| | e | | | 30 | |
| | iP | 19 | 57 | 36 | |
| | eP | 12 | 05 | 43 | |
| | e | 13 | 54 | 37 | |
| 6th August | iP! | 03 | 49 | 17 | |
| | Felt | Rabaul (Lat. $04^{\circ}10'$ Long. $152^{\circ}10'$) Int. 2-3(MM) | | | |
| | iP! | 18 | 36 | 02 | |
| | i | | | 24 | |



Handwritten marks: checkmarks and 'X' symbols next to the 6th August entry.

G.A. TAYLOR
VULCANOLOGIST.

TERRITORY OF PAPUA AL

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 14th August, 1959.

| | | | | | | |
|-------------|---|--------|---------|-------------------|----------|----------------------------------|
| 8th August | X | 1P | 00 | 57 | 42 | |
| | | 1 | | | 55 | |
| | | 1P | 04 | 12 | 10 | |
| | | 1! | | | 14 | |
| | | 1P | 10 | 02 | 30 | |
| | | 1(S) | | | 57 | |
| | | 1 | | | 59 | |
| | | 1 | 03 | 03 | | |
| | | 1P | 23 | 56 | 56 | |
| | | 1! | | 57 | 01 | |
| | | Felt | Karoola | 05°10'S, 154°35'E | Int. 6 | (MM) |
| | | " | Rabaul | 04°11'S, 152°10'E | Int. 3 | " |
| 9th August | X | oP | 20 | 32 | 01 | |
| | | 1S | | 34 | 03 | |
| | | oP | 22 | 42 | 03 | |
| 10th August | X | o | 00 | 45 | 40 | |
| | | o(P) | 09 | 57 | 57 | |
| 12th August | | | | | | very large microseismic activity |
| 12th August | | Strong | | " | " | " |
| | X | 1P | 10 | 04 | 54 | |
| 13th August | | 1P! | 02 | 56 | 01 | |
| | | 1P! | 12 | 17 | 32 | |
| | | Felt | Rabaul | | Int. 2-3 | (MM) |
| | | 1P! | 21 | 22 | 40 | |
| | | Felt | Rabaul | | Int. 2-3 | " |
| | | Felt | Pondo | 04°35'S, 151°40'E | Int. 5 | (MM) |
| | | 1P! | 21 | 48 | 26 | |
| | | Felt | Pondo | | Int. 2 | (MM) |
| | | 1P! | 22 | 08 | 20 | |
| | | Felt | Pondo | | Int. 2 | " |

G.A. Taylor
Vulcanologist.

WAX



VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 21st August, 1959.

14th August iP 17 56 08
 iS 56 42
 i 45

iP! 21 15 13
 Felt Rabaul 04.11'S, 152.10'E Int. 2-3 (MM)
 " Gavit 04.12'S, 151.39'E Int 3-4 "
 " Pondo 04.35'S, 151.40E Int 4 "

15th August iP 07 12 31
 i 13 31
 i(S) 40

X
 eP 09 04 37
 i 39
 i! 43
 i(S) 06 20
 i 25
 i 32
 e 10 28
 i 49

iP! 11 55 35
 Felt Rabaul 04.11S, 152.10E Int. 2-3 (MM)
 " Pondo 04.35S, 151.40E " 4 "

16th August iP! 11 03 04
 Felt Rabaul 04.11S, 152.10E Int. 2-3 "
 " Pondo 04.35S, 151.40E " 4 "
 " Gavit 04.12S, 151.39E " 4 "

iP! 11 07 55
 Felt Rabaul Int. 3
 " Pondo " 5
 " Gavit " 4

iP! 13 19 23
 Felt Rabaul Int. 2

i(P) 23 52 18
 i 48
 i 52

17th August iP 17 12 12
 Deep?

X
 eP 21 06 09
 i 13
 i! 17
 i(PcP) 13 57
 i(ScS) 20 26

Felt strongly northern islands of British Solomons.
 Damage reported Gizo Island.

eP 21 38 12
 i! 18
 i 39 25 After shock
 i 30

eP 21 51 33
 i 52 44 " "
 iS 48

eP 22 26 54 " "
 e(P) 23 35 44 " "



M...

| | | | | | |
|-------------|--------------------|----|----|------|---------------------|
| 18th August | 1P | 00 | 13 | 56 | After shock |
| | 1(S) | | 15 | 01 | |
| | 1P | 00 | 35 | 49 | |
| | 1 | | 36 | 29 | |
| | Deep? | | | | |
| | e | 00 | 41 | 21 | |
| | 1(P) | 02 | 55 | 38 | |
| | 1(P) | | 56 | 18 | Double after shock? |
| | 1(S) | | 57 | 27 | |
| | 1P | 04 | 13 | (55) | |
| | 1(S) | | 15 | 04 | After shock |
| | 1(P) | 04 | 16 | (38) | " " |
| | 1(S) | | 17 | 42 | |
| | 1P | 04 | 50 | 15 | |
| | 1P | 05 | 39 | (38) | " " |
| | 1(S) | | 40 | 43 | |
| | 1P | 07 | 16 | (17) | |
| | 1 | | | 27 | |
| | 1P | 08 | 35 | 18 | |
| 19th August | eP | 03 | 30 | 19 | |
| | 1(S) | | 31 | 29 | |
| | 1P! | 11 | 35 | 46 | |
| | 1S | | 36 | 04 | |
| 20th August | 1P! | 08 | 55 | 15 | |
| | Felt Rabaul Int 3 | | | | (MM) |
| | " Gavit " 4 | | | | " " |
| | 1(P) | 09 | 54 | 47 | |
| | 1 | | 56 | 05 | |
| | e(P) | 12 | 55 | 09 | |
| | 1(S) | | 56 | 31 | |
| | 1P! | 17 | 34 | 39 | |
| | Felt Rabaul Int. 2 | | | | " " |
| | 1P! | 17 | 56 | 15 | |
| | Deep. | | | | |



G.A. Taylor.
Vulcanologist.

SEISMOLOGICAL OBSERVATORY RAUUL.

Provisional readings - 7th September, 1959.

| | | | | |
|-------------|------|----|----|------|
| 28th August | oP | 02 | 38 | 43 |
| | i | | | 46.5 |
| | i | | 39 | 12.9 |
| | i(8) | | 40 | 25.5 |
| | i | | 41 | 37.7 |
| | i(P) | 11 | 43 | 22.5 |
| | i | | 44 | 30.4 |
| | i | | | 34.4 |
| | oP | 15 | 56 | 45 |
| | i | | | 46.4 |
| | i | | | 50.7 |
| | i | | 57 | 15.6 |
| | i | 23 | 13 | 18.3 |

X
/

| | | | | |
|-------------|------|----|----|------|
| 29th August | e | 13 | 16 | 24 |
| | e | | | 18.3 |
| | iP | 17 | 14 | 15.2 |
| | i | | 16 | 14.2 |
| | e | 17 | 42 | 30 |
| | e(P) | 21 | 25 | 04 |

X
/

| | | | | |
|-------------|----|----|----|------|
| 30th August | oP | 02 | 54 | 29 |
| | i | | | 33.1 |
| | iS | | 55 | 49.1 |
| | i | | | 51.1 |
| | i | | | 43.1 |

| | | | | |
|-------------|-------|----|----|------|
| 31st August | e | 13 | 30 | 33 |
| | iP | 15 | 04 | 39.5 |
| | iP! | 15 | 37 | 21.0 |
| | i | | 38 | 19.9 |
| | i | | | 26.1 |
| | i | | | 33.8 |
| | deep? | | | |

| | | | | |
|--|---|----|----|------|
| | e | 20 | 38 | 24 |
| | i | | | 27.2 |
| | e | 23 | 20 | 47 |

| | | | | |
|---------------|--------------------------|----|----|------|
| 1st September | e(P) | 02 | 06 | (40) |
| | i | | | 44.1 |
| | i(S) | 07 | | 52.6 |
| | confused by microseisms. | | | |
| | iP! | 09 | 45 | 27.2 |
| | oP | 18 | 30 | 57 |
| | i! | | 31 | 01.2 |
| | iS | | | 34.7 |

| | | | | |
|---------------|----------------------------|----|----|------|
| 2nd September | oP | 16 | 24 | 54 |
| | i! | | | 56.1 |
| | i(S) | | 25 | 33.4 |
| 3rd September | iP | 00 | 41 | 09.3 |
| | iS | | | 44.4 |
| | oP | 06 | 33 | 37 |
| | i | | | 57.9 |
| | iP! | 07 | 41 | 18.2 |
| | iP | 08 | 43 | 52.2 |
| | iS | | 44 | 33.6 |
| | iP | 15 | 53 | 02.5 |
| | iS | | | 39.3 |
| 4th September | iP! | 08 | 53 | 03.1 |
| | Felt Rabaul 04.118, 152.10 | | | |
| | Intensity 2-3 (MM). | | | |
| 5th September | iP | 06 | 12 | 53.4 |
| | iP | 15 | 40 | 00.5 |
| 6th September | Nil. | | | |

X
/

Interpretations by J. Barrie.



J. BARRIE
SEISMOLOGIST.

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| | | | | |
|---------------|--------------------------|----|----|------|
| 2nd September | e(P) | 10 | 28 | 09 |
| | i(S) | | 29 | 17.5 |
| | i | | | 32.7 |
| | confused by microseisms. | | | |

VULCANOLOGICAL OBSERVATORY

Provisional readings - 11th September, 1959

7th September iP! 03 11 05.6

~~X~~ iP 04 07 16.3
deep?

iP! 04 18 18.9
deep?

iP! 06 09 49.8

iP! 20 54 40.3
iS 55 10.1
deep?

8th September eP 03 23 06
i! 08.4
i 24 01.8
deep?

~~X~~ eIP 03 26 10.7
i(S) 27 00.6
deep?

e 10 11 13

eP 14 39 59.2

iP! 15 10 24.4

iS! 47.7

~~X~~ e 19 28 07

~~X~~ iP! 19 28 41.0

small local shock in coda of preceding.

9th September e(P) 05 10 40

iP 11 03 48.2
deep?

iP! 16 27 42.5

Felt Rabaul 04.11S, 152.10E Int. 2-3 (MM)
" Rangarere " 3 "
" Gavit 04.12S, 151.39E " 3 "
" Karlai 04.30S, 152.00E " 2 "

10th September ~~X~~ iP 05 36 07.6

Felt Rabaul 04.11S, 152.10E " 3 "
" Inus 05.40S, 155.10E " 3 "

e(P) 13 09 36

eP 13 39 06

i 07.1

iS! 27.3

e(P) 16 19 27

iS 20 20.7

i 28.1

e(P) 17 17 37

iS 18 58.1

i 19 03.9

~~X~~ i 23 05 40.3

J. BARRIE
A/VULCANOLOGIST.

Interpretations by J. Barrie

TERRITORY OF PAPUA AND NEW GUINEA.

SEISMOLOGICAL OBSERVATORY HABAUL.

4846/1

Provisional readings - 15th September, 1959.

11th September 1P 08 55 35.5

1P 19 43 57.8
 i 44 04.4
 i(s) 44 45.9

12th September eP 01 55 18
 i 19.9
 i! 29.3
 eL 57.8

e(P) 02 43 (30)
 eL 45.1

e 06 25 16
 e 57

e(P) 06 48 55.
 eL 50.4

eP 06 57 15
 eL 58.7

X eP 07 03 10
 i(s) 04 31.0
 eL 04.6

eP 07 41 19
 eL 43.1

eP 08 00 49
 i 57.9
 e 02 05
 eL 25

eP 08 49 05
 eL 50 27

1P 10 39 50.8
 e 40 56
 i(s) 41 00.1

X 1P 11 26 07.2
 i 09.7
 i 50.0
 i(s) 27 34.5
 i 50.9

eP 12 52 41
 eL 34.2

1P! 14 40 26.2
 Felt Rangarere
 " Habaul 152.10E, 04.11S

1P! 15 39 21.2
 Felt Rangarere

e(P) 16 18 58
 eL 20.7

e(P) 19 45 53

e(P) 19 55 32
 eL 57.08



uif

Int. 3-4 (MM) " 3 "

" 3

| | | | |
|----------------|--|----|---|
| 12th September | eP eL | 23 | 46 04 47.7 |
| 13th September | e(P) e e | 01 | 03 04 04.6 05.0 |
| | e eL | 01 | 43 29 45.6 |
| | eP e e(L) | 04 | 39 29 41.0 41.2 |
| | e(P) i | 12 | 55 54 57 44.8 |
| | iP i c | 22 | 45 52.1 47 37.1 50.2 |
| 14th September | iP i i i i i i i i eM | 14 | 16 57.4 17 01.7 18 20.6 21 04.5 23 09.5 27 16.2 27 22 55.1 31.1 |
| | e i | 15 | 06 00 08 17.6 |
| | eP i i(S) i e i e | 17 | 13 35 24.6 15 49.1 54.1 19 40 49.1 23 56 |
| | e(P) | 20 | 34 31 |
| | iP i(S) | 22 | 31 17.0 33 31.8 |
| 15th September | iP i(S) | 06 | 07 05.7 08 38.8 |
| | iP i e i | 11 | 11 21.3 16 39.0 20 28 43.0 |
| 16th September | iP i | 13 | 21 16.1 22 04.0 |
| | iP i | 16 | 04 29.1 40.0 |
| 17th September | e(P) | 14 | 43 35 |
| | iP i i i i(S) | 19 | 45 11.6 46 26.2 36.2 46.9 47 06.1 |

Interpretations by J. Barrie.

J. BARRIE
A/VOLCANOLOGIST.

Provisional readings - 27th September, 1959

18th September 1P 16 54 11.7
 11 12.4
 1 55 09.2
 1 22.4
 deep.

1P 18 06 35.8
 1 07 25.2
 deep.

o(s) 23 14 30
 i(P) 33.1
 15 15 37.1
 1 43.9
 1 56.0

confused by microseisms.

19th September 1P 16 01 41.1

e 23 17 04

20th September oP 02 37 08
 o(s) 38 10
 1 17.6
 1 24.4

21st September oIP 02 10 05
 Felt 0208 Wandigella 9.203 1:49.10E Int. 3-4 (MM)

22nd September oP 13 33 01
 i(s) 46.9
 1 48.7

1P: 20 46 40.2

23rd September oP 12 09 20
 1 21.8
 o(s) 10 21
 1 27.5

24th September Nil



Interpreted by J. Barrie.

UHF

J. Barrie
 A/Seismologist.

VULCANOLOGICAL OBSERVATORY RABAU.Provisional readings - 2nd October, 1959

~~25th September~~ X ip 02 44 26.0
 26th September i(P) 03 10 19.2
 iP 07 16 57.5
 i! 58.0
 Felt Rabaul 04.11S, 152.10E Int. 2 (MM)
~~i(P) 10 25 18.8~~
 Confused by microseisms.
 27th September iP 01 03 35.0
 iS 04 19.3
 i 03 11 31.5
 i(P) 08 33 30.5
 Confused by microseisms.
~~i 10 37 22.8~~
 28th September Nil. Strong microseismic activity.
 29th September eP 13 39 19
 i 25.8
 30th September eP 18 28 53
 i 29 28.7
 i 29 35.8
 i 42.6
~~eP 20 30 45~~
~~i 54.0~~
~~i 31 23.4~~
~~e 35.0~~
 1st October iP! 08 37 29.7
 iS 40.8
 Felt Rabaul Int. 2 (MM)
 eP 18 34 21
 i! 22.4
 e(S) 35 04
 e 15
 deep?

Interpreted by J. Barrie

 J. BARRIE
A/VULCANOLOGIST.


M H 7

TERRITORY OF PAPUA AND NEW GUINEA.
VULCANOLOGICAL OBSERVATORY RABAUL.
Provisional readings - 9th October, 1959

| | | | | |
|-------------|------|----|----|------|
| 2nd October | e | 13 | 29 | 07 |
| | i | | | 22.5 |
| | i(P) | 17 | 47 | 38.2 |
| 3rd October | i(P) | 00 | 45 | 16.0 |
| | i | | | 19.2 |
| ✓ X | iP | 09 | 13 | 18.1 |
| | e | | 14 | 13 |
| | e | 20 | 11 | 27 |
| | i | | | 42.8 |
| 4th October | eP | 03 | 20 | 59 |
| | i | | 21 | 02.2 |
| | i | | | 41.4 |
| | e(S) | | | 55 |
| | i | | 22 | 02.2 |
| | i | 20 | 36 | 41.5 |
| 5th October | iP | 14 | 26 | 58.6 |
| | i! | | | 59.1 |
| | i | | 27 | 08.0 |
| | i | | | 16.7 |
| | i(S) | | | 39.5 |
| | deep | | | |
| 6th October | e | 14 | 30 | 56 |
| | iP | 05 | 50 | 37.9 |
| | i | | | 48.0 |
| | i | | 52 | 30.6 |
| | deep | | | |
| | | eP | 15 | 12 |
| | i | | | 33.9 |
| | i! | | | 34.6 |
| | iS | 13 | | 19.5 |
| | i | | | 22.5 |
| | deep | | | |
| 7th October | Nil. | | | |
| 8th October | iP | 00 | 34 | 25.6 |
| | i | | | 43.9 |
| | i | | 36 | 00.1 |

Interpreted by J. Barrie.

 J. Barrie
A/Vulcanologist.


VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 16th October, 1959

| | | | | | |
|--------------|--|----|----|-------|--|
| 9th October | eP | 17 | 04 | 14 | |
| | i | | | 52.6 | |
| | i | | | 58.3 | |
| 10th October | eP | 17 | 14 | 02 | |
| | i | | | 02.6 | |
| | is | | | 55.8 | |
| | i | 15 | | 00.8 | |
| 11th October | iP! | 02 | 04 | 33.9 | |
| | Felt Rabaul 04.118, 152.10E Int. 2-3(MM) | | | | |
| | iP | 06 | 38 | 50.5 | |
| | i! | | | 55.1 | |
| | Felt Rabaul Int. 2 (MM) | | | | |
| | iP! | 09 | 53 | 28.4 | |
| | Felt Rabaul Int. 3(MM) | | | | |
| | iP | 20 | 04 | 33.9 | |
| | i | | | 40.4 | |
| | i | | 05 | 32.4 | |
| | i | | | 34.5 | |
| 12th October | e | 11 | 17 | 07 | |
| | Felt Wewak 03.30S, 143.40E Int. 4(MM) | | | | |
| | iP | 19 | 22 | 54.9 | |
| | i | | | 59.8 | |
| | i! | | 23 | 04.1 | |
| | eP | 20 | 20 | 47 | |
| | eS | | 21 | 34 | |
| 13th October | eP | 02 | 20 | 47 | |
| | e | | | 51 | |
| | is | | 21 | 34.2 | |
| 14th October | iP | 09 | 19 | 47.3 | |
| | deep. | | | | |
| 15th October | iP | 04 | 24 | 20.00 | |
| | i | | 25 | 20.6 | |
| | iP | 06 | 22 | 06.5 | |
| | i | | | 28.7 | |
| | i | | 24 | 19.2 | |
| | e | | 26 | 29 | |
| | e | | 27 | 18 | |
| | i | | 29 | 29.0 | |

Interpretations by J. Barrie.

J. BARRIE
A/VULCANOLOGIST.



MB

VULCANOLOGICAL OBSERVATORY RAHAUL.

Reconnaissance readings - 23rd October, 1959

| | | | | | |
|--------------|---|--|----|----|------|
| 16th October | X | IP | 16 | 21 | 19.3 |
| 17th October | | IP | 09 | 45 | 39.7 |
| 18th October | | No record 1355 to 0014 | | | |
| 19th October | X | e(P) | 02 | 55 | 31 |
| | X | IP! | 04 | 33 | 55.8 |
| | X | i(P) | 08 | 34 | 45.8 |
| | X | IP | 13 | 39 | 11.7 |
| | X | eP | 13 | 58 | 27 |
| | X | i | | | 27.8 |
| | X | eP | 16 | 14 | 25 |
| | X | i | | | 29.0 |
| | | i(P) | 18 | 12 | 57.7 |
| 20th October | | eiP | 21 | 38 | 35.3 |
| 21st October | | IP | 20 | 01 | 26.2 |
| | | IS | | 02 | 11.3 |
| | | IP! | 20 | 51 | 39.4 |
| | | Fort Rahaui 04.11.5, 152.105 Int. 3 (MM) | | | |
| 22nd October | | IP | 11 | 29 | 57.9 |
| | | i | | | 49.2 |

Interpreted by J. Barrie.

J. BARRIE
A/VULCANOLOGIST.

407



VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 31st October, 1959

| | | | | | |
|--------------|---|--|----|------|------|
| 23rd October | | iP! | 03 | 44 | 02.6 |
| 24th October | | eP | 22 | 53 | 23 |
| 25th October | X | iP! | 16 | 11 | 25.3 |
| | | Felt Pomio 05.30S, 151.35 E Int 3 (MM) | | | |
| | | iP! | 16 | 13 | 50.6 |
| | | Felt Pomio Int. 4 (MM) | | | |
| | | iP | 18 | 07 | 07.9 |
| | | i | | | 36.9 |
| | | i | | | 40.3 |
| 26th October | ✓ | iP | 07 | 43 | 04.1 |
| | X | iP | 10 | 38 | 36.8 |
| | | ipP | 39 | 04.6 | |
| | | No record 1553-0008 | | | |
| 27th October | X | eP | 07 | 01 | 39 |
| | | i | | | 41.0 |
| | | e(s) | 08 | 46 | |
| | | iP | 13 | 17 | 47.6 |
| | | i(pP) | 18 | 01.1 | |
| | | iP | 20 | 26 | 43.4 |
| | | i(s) | 27 | 24.4 | |
| | | i | | | 29.0 |
| 28th October | | eP | 04 | 20 | 18 |
| | | iP | 16 | 11 | 36.8 |
| | | i! | | | 38.5 |
| | | i!(s) | 12 | 02.3 | |
| | | iP | 23 | 14 | 24.5 |
| 29th October | X | eP | 14 | 27 | 09 |
| | | i | | | 11.0 |
| | | i | 29 | 28.1 | |
| | | e | 33 | 14 | |
| | X | iP! | 14 | 38 | 36.0 |
| | | local | | | |
| | | i | 14 | 39 | 07.7 |
| | | i | | 40 | 20.0 |
| | | i(s) | | 45 | 10.5 |
| | | in coda of preceding | | | |



Interpreted by J. Barrie.

J. Barrie
A/Vulcanologist.

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 6th November, 1959

| | | | | | | |
|--------------|---|-------------|---------|---------|---------------|--------------------------|
| 30th October | X | eP | 00 | 36 | 56 | |
| | | i | | | 59 | |
| | | e(P) | 07 | 52 | (14) | confused by microseisms. |
| | | eP | 11 | 11 | 21 | |
| | | i! | | | 25.4 | |
| | | i(s)! | 12 | | 06 | |
| 31st October | X | e(P) | 14 | 05 | 39 | |
| | X | iP | 04 | 33 | 01.3 | |
| | | i | | | 09.2 | |
| | | i | | 37 | 24.0 | |
| | | i | | | 43.5 | |
| | | i | | 38 | 46.2 | |
| 1st November | | iP | 00 | 41 | 06.7 | |
| | | i(s) | | | 37.9 | |
| 2nd November | X | iP | 08 | 49 | 41.5 | |
| | | i | | 51 | 14.8 | |
| | | e(P) | 09 | 22 | 34 | |
| | | i(s) | | 23 | 35.8 | |
| | X | iP | 13 | 26 | 10.6 | |
| | X | iP! | 20 | 04 | 05.8 | |
| | | Felt Rabaul | 04.11S, | 152.10E | Int. 3 (MM) | |
| | | " Pomio | 05.30S, | 151.30E | " 6 " | |
| | | " Walindi | 05.25S, | 150.05E | " 2-3 " | |
| | | " Karlai | 05.05S, | 152.00E | " 4 " | |
| 3rd November | X | iP | 09 | 47 | 57.1 | |
| | | i | | 49 | 54.0 | |
| | | e | | 54 | 37 | |
| | | e | | 55 | 04 | |
| 4th November | | e(P) | 19 | 12 | 41 | |
| 5th November | | iP! | 05 | 45 | 40.8 | |
| | | Felt Rabaul | | | Int. 2-3 (MM) | |
| | X | eP | 11 | 54 | 11 | |
| | X | i | 15 | 06 | 59.3 | |
| | X | iP | 17 | 39 | 39.9 | |
| | | i | | 40 | 09.7 | |
| | | i | | 41 | 27.3 | |
| | | i | | | 41.5 | |
| | | i | 18 | 06 | 05.4 | |

Interpreted by J. Barrie.



J. Barrie
A/Vulcanologist.

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 13th November 1959.

6th November X eP 01 09 26
 1 30.5
 1 33.9
 1 11 00.5
 1 13 34.3
 1 15 08.6
 double shock?

ep 10 34.9
ep 11 34.16

1P 02 10 13.3
 1! 17.4

7th November Nil.

8th November 1P 01 51 29.9
 1 52 30.8
 deep?

X 1P 14 03 45.6
 1 06 48.3
 1P 16 22 24.7
 1 24.1
 1 30.3

1P! 16 36 46.9
 Felt Rabaul 04.118, 152.106 Int. 2 (MM)

1 18 47 20.7

9th November o 13 40 23
 1P 17 27 08.6
 1S 59.6

10th November 1P 00 25 47.2
 1P! 03 08 52.3
 1P 10 01 31.0
 1! 37.7
 1P 16 41 51.7
 1! 57.9
 1P 17 06 58.2
 1S 07 46.2

11th November Nil.

12th November 1P 16 55 23.7
 1! 25.9
 eP 20 33 55

Interpreted by J. Barrie.



G.A. Taylor.
Vulcanologist.

NOVEMBER 1959
WAVE RECORDS STATION BARCEL

Principal readings - 20th November, 1959.

| | | | | |
|---------------|---------------|---------------|---------------|-----------------|
| 13th November | 1(P) | 17 | 57 | 55.8 |
| 14th November | 1P | 00 | 29 | 43.4 |
| | 1(S) | | 31 | 65.9 |
| | i | | | 17.5 |
| | 1P | 10 | 34 | 50.3 |
| | 1(S) | | 35 | 43.0 |
| | eL | | | 45 |
| | 1P | 13 | 06 | 47.2 |
| | i | | 07 | 30.3 |
| | i | | | 43.1 |
| | eL | | | 45 |
| 15th November | 1P | 10 | 37 | 35 |
| | i | | | 36.4 |
| | 1P | 17 | 27 | 46 |
| | i | | 29 | 48.4 |
| | e | | 31 | 20 |
| | e | | 45 | 05 |
| 16th November | e(L) | 10 | 43 | 07 |
| | 1P! | 12 | 52 | 23.7 |
| | 1P | 23 | 55 | 37.2 |
| | i | | | 42.6 |
| | 1P | 06 | 40 | 23 |
| | 1P | 07 | 04 | 06 |
| 17th November | 1(S) | | 05 | 14 |
| | eL | | | 26 |
| | 1P | 13 | 45 | 46 |
| | i | | 46 | 09 |
| | i | | | 33 |
| | i | | | 52 |
| | 1P | 14 | 17 | 08 |
| | e(P) | 17 | 26 | 12 |
| | i | | | 18 |
| 18th November | i | | | 31 |
| | Nil. | | | |
| | 19th November | 1P | 11 | 10 |
| | i! | | | 14.7 |
| | i! | | | 15.8 |
| | 1P | 11 | 40 | 27.1 |
| | i | | 41 | 28.1 |
| | i | | | 43.7 |

Felt throughout Highlands area
Int. up to 6-7 M.M



G. A. Boyd
Director

duH

VULCANOLOGICAL OBSERVATORY RABAUH.

Provisional readings - 27th November, 1959

| | | | | | | |
|-------------------|-------------------|----|------|------|--|--|
| 20th November | e(P) | 01 | 05 | 29 | | |
| | e(P) | 01 | 22 | 50 | | |
| | eL | | | 24.9 | | |
| | iP! | 10 | 57 | 23.2 | Felt Rabaul 04.118, 152.10E Int. 2 (MM) | |
| | iP | 15 | 22 | 42.6 | | |
| | i | | 23 | 09.8 | | |
| | i | | | 15.5 | | |
| | iP | 16 | 35 | 57.6 | | |
| | i | | 37 | 05.8 | | |
| | i | 21 | 53 | 32.0 | | |
| 21st November | iP | 14 | 14 | 06.2 | | |
| | i | | 15 | 00.3 | | |
| | i | | | 11.7 | deeper than normal. | |
| 22nd November | X eP | 12 | 50 | 58 | Felt 1215 Green River (0355S 14110E) | |
| | X i | | 51 | 03.2 | Int. 4 (MM) | |
| | X e(P) | 16 | 38 | 26 | | |
| | iP | 18 | 48 | 28.0 | | |
| | X eP | 19 | 40 | 27 | | |
| | X i | | | 29.1 | | |
| | X i | | 43 | 00.2 | | |
| | X e | | 44 | 56 | | |
| | X e | | 46 | 49 | | |
| | 23rd November | iP | 14 | 47 | 01.1 | |
| i | | | | 09.1 | | |
| e | | | 48 | 05 | | |
| e | | | 51 | 53 | | |
| X e(P) | | 16 | 20 | 29 | | |
| X e(P) | | 20 | 40 | 51 | | |
| X iP | | 21 | 13 | 05.5 | | |
| X i | | | | 10.4 | | |
| 24th November | | iP | 04 | 08 | 35.7 | |
| | | e | 05 | 34 | 02 | |
| | iP | 15 | 04 | 37.8 | | |
| 25th November | e(P) | 12 | 32 | 14 | | |
| | eP | 16 | 57 | 07 | | |
| 26th November | X i(S) | | | 51.6 | | |
| | X eP | 00 | 47 | 05 | | |
| | X iP) | 07 | 14 | 44.3 | | |
| | X e | | 15 | 07 | | |
| | X i | | | 09.2 | | |
| X eP | 23 | 18 | 14 | | | |
| X i | | 22 | 39.0 | | | |

Interpreted by J. Barrie.



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Vulcanologist.

VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 5th December, 1959

| | | | | | |
|---------------|------|------|----|------|------|
| 27th November | | eP | 13 | 36 | 01.5 |
| | | i! | | | 02.0 |
| | | i(s) | | | 39.5 |
| 28th November | X | eP | 02 | 51 | 28.3 |
| | | e | | 54 | 02.6 |
| | X | eP | 03 | 27 | 31.3 |
| | X | iP | 12 | 54 | 00.4 |
| | | i | | | 10.4 |
| | | eP | 14 | 18 | 28.8 |
| | | i | | 19 | 09.3 |
| | | eP | 15 | 42 | 51.9 |
| | | i | | 43 | 03.3 |
| | | eP | 22 | 43 | 21.6 |
| | i | | | 22.2 | |
| | e(s) | | 46 | 44 | |
| 29th November | | eP | 09 | 01 | 20 |
| | | i | | | 20.8 |
| | | i | | | 43.6 |
| | | i | | | 58.8 |
| | | eP | 10 | 50 | 18.5 |
| | | e | 19 | 29 | 01 |
| | i | | | 08 | |
| 30th November | X | e | 11 | 25 | 13 |
| | X | eP | 15 | 30 | 32.0 |
| | X | i | | | 32.5 |
| | e | | 32 | 04 | |
| 1st December | | iP | 02 | 43 | 28.7 |
| | | eP | 03 | 12 | 01 |
| | X | eP | 15 | 09 | 43.4 |
| | X | iP | 18 | 17 | 19.8 |
| | | e | | 19 | 08.8 |
| | | iP | 09 | 40 | 08.5 |
| 2nd December | | i | | | 16.3 |
| | | i | | 41 | 30.9 |
| | | e | | 45 | 04.2 |
| | | e | | 48 | 10 |
| | | iP | 20 | 00 | 56.5 |
| | | e | | 01 | 54.8 |
| 3rd December | | Nil. | | | |

Interpreted by G.A.Taylor.



MKL

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Vulcanologist.

SEISMOLOGICAL OBSERVATORY RAHBAUL.

Provisional readings - 12th December, 1959.

4th December 1P 15 07 35.5
1 56.5

1(P) 18 16 46.4

oP 20 21 40
1(S) 22 19.3

5th December oP 18 18 03
1 06.8
1 19 06.8

1P 18 20 24.7
1(S) 46.7

o(P) 19 03 01

o(P) 19 37 12

o(P) 22 07 52
o 08 52

6th December 1P 17 15 30.3
1 31.0
1(S) 16 19.5
Deep

7th December 1P 01 13 34.8
1 35.7
Deep.

~~1P 03 07 28.6
o 12 01~~

1P 13 37 23.9
1 26.5
o 38 27

8th December ~~oP 04 36 12
1 12.7
1 19.2
1 55.1~~

Confused by microseisms.

1P! 07 58 53.2

o(P) 17 28 53
1 27 19.7
1 29 53.5
o 31 09

9th December ~~oP 14 12 23~~

1P! 21 29 27

Fort Rabaul 04.118, 152.10E Int. 1-2 (181)
" Gavit 04.128, 151.39E Int. 3 "

10th December Nil. Heavy microseisms.

Interpreted by G.A. Taylor.



Handwritten signature

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VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 18th December 1959

| | | | | |
|---------------|---|----------------------------|----|------|
| 11th December | iP i i e | 00 | 36 | 40.7 |
| | | | 36 | 48.5 |
| | | | 38 | 07.0 |
| | | | | 41.0 |
| 12th December | Nil. | | | |
| 13th December | e | 15 | 39 | 47 |
| 14th December | iP! i i(S) i | 18 | 04 | 14.2 |
| | | | 08 | 02.2 |
| | | | 10 | 56.5 |
| | | | | 52.0 |
| | eP i i i | 21 | 55 | 04 |
| | | | | 05.3 |
| | | | 56 | 56.7 |
| | | | | 00 |
| | eP i e e e | 23 | 40 | 42 |
| | | | | 44.9 |
| | | | 41 | 46 |
| | | | 44 | 22 |
| | | | 58 | 41 |
| 15th December | eP i | 01 | 40 | 28 |
| | | | | 37.2 |
| | i(P) | 05 | 09 | 14.9 |
| | iP | 09 | 01 | 23.1 |
| | i(P) | 09 | 36 | 20.9 |
| | iP! | 09 | 40 | 37.8 |
| | Felt Rabaul | 04.118, 152.108 Int. 2 MM. | | |
| | iP | 11 | 30 | 10.4 |
| | i(pp) | | | 19.4 |
| 16th December | iP | 01 | 18 | 47.4 |
| | i(S) | | 20 | 23.0 |
| | e(P) | 02 | 35 | 43 |
| | i | | | 52.6 |
| 17th December | Strong microseismic activity. | | | |
| | Interpreted by J. Barrie. | | | |

W.H.F.

G.A. Taylor.
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VULCANOLOGICAL OBSERVATORY RABAU.

Provisional readings - 2nd January, 1960.

Very large microseisms 18th - 27th December, 1959

19th December i(P) 06 43 14.6
confused by microseisms.

22nd December eP 20 23 40.4
i! 42.7

25th December iP 07 08 35.4

26th December e(P) 04 12 (09)
i 11.7
confused by microseisms.

No record 0844 to 0033

27th December X i ✓ 12 59 38.8
i! 54.4

X e(P) ✓ 16 03 07
i! 15.3
confused by microseisms.

28th December X eP ✓ 07 30 20(±5)

X eP ✓ 13 14 42(±5)

iP ✓ 20 09 36(±5)

29th December X iP! ✓ 07 09 56.5
i(pP) 10 04.6

iP 08 17 42.3

iP 14 35 15.0

i! 16.4

X iP! 20 39 46.4 deeper than normal.

Interpreted by J. Barrie.

G.A.Taylor.
Vulcanologist.

