TORY OF PAPUA AND NEW GUINEA.
Vulcanological Observatory Rabaul

SEISMOLOGICAL BULLETIN. 1958.

The Observatory is on the rim of Blanche Bay caldera, which is composed of beds of pumice dust and ash with occasional interspersed basalt lava flow. The instrument vault (3 metres deep) is concrete lined and the roof forms part of the floor of the Observatory. The seismometers are mounted on a concrete pier set on basalt 1½ metres below the vault floor. The pier is separated from the floor by a gap (8cm) loosely filled with pumice dust.

Latitude - 04°11'33"S. Longitude - 152°10'16"E.

Height above mean sea level = 183 metres (600 feet.)

Instrument	Components	Symbol	Tg.sec.	Tp.sec.
Benioff	Z	Z	0.35	1.26
	NS	N	0.26	1.44
	EW	E	0.29	1.45

Rapindik Station. Supplementary information from seismograms recorded at Rapindik is included in this bulletin.

Latitude - 04°13.7'S. Longitude - 152°11.8'E.

Height above mean sea level - about 3 metres.

Foundation - unconsolidated volcanic ash.

Instrument	Components	Symbol	M(kg)	V	To	Damping.
Omori	NS	N	15	11.9	3.6	Air.
	EW	E	15	10.2	3.8	critical

References. Tables - Jeffreys & Bullen, 1940.

U.S. Dept. of Commerce Special Publication No. 254

The station is maintained by the Administration of the Territory of Papua and New Guinea for vulcanological and seismological observations.

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ORY OF PAPUA AND NEW GUINEA
Vulcanological Observatory Rabaul.

SEISMOLOGICAL OBSERVATORY. JANUARY 1958

1st.	e(P)	Z	05	31	(57)	
	i			32	24	
	eP	Z	07	13	49	
	iP	Z	10	17	53	B.C.I.S. South of Tonga.
	i!			17	55	H.= 10 10 00
			Dilatation.			Felt:- Warangoi Int. 1-2 (M.M.)
						04°30'S, 152°20'E.
	eP	Z	15	16	42	U.S.C.G.S. 52°N, 171½°W.
						H.= 15 06 08
2nd.	iP!	Z	00	21	45	U.S.C.G.S. 05°S, 152°E.
	iS!			22	00	New Britain H= 00 21 22
	(S.phase reading from Omori Seismograph).					Felt:- Kokopo Int 4 (M.M.)
						04°20'S, 152°15'E.
						Rabaul Int. 4 (M.M.)
						04°10'S, 152°10'E.
						Warangoi Int. 4-5 (M.M.)
						04°30'S, 152°20'E.
						Ulamona Int 2 (M.M.)
						05°00'S, 151°15'E.
	iP	Z	22	55	15	U.S.C.G.S. 11½°N, 60½° W.
						North-east of Trinidad.
						H= 22 35 29
						Felt:- Tobago Int 6 (M.M.)
						11°N,61°W.
3rd.	eiP	Z	11	06	36	
	i!				41½	
	iS!				50½	
	e	Z	18	00	54	U.S.C.G.S. 22°S, 65°E.
						Mascarcue Is. region
						H= 17 47 12
						Magn. 6 (Matsushiro)
						Magn. 5½(Moskva)
	iP	Z	23	06	53	
			Dilatation.			
4th.	e	Z	06	59	(39)	
	e(P)	Z	13	10	14	U.S.C.G.S. 6°S, 133°E.
	i				20½	Banda Sea.
	i				34½	H= 13 05 24
	iP	Z	23	29	00½	U.S.C.G.S. 8½°S, 112°E.
						Off South coast of Java.
						H= 23 21 38
						h about 200 km.
						Magn. 5.9 (Quetta)

No record from 16 00 hrs to 19 13 hrs due to power failure.

5th	iP	Z	08	10	40	U.S.C.G.S. 2°N, 122½°E.
	i!				43	Celebes Sea.
						H = 08 05 11
						h about 550 km.
						Magn. 6½ (matsushiro)

5th contd.						Magn. 6.4 (Wellington)
	eP	Z	11	41	31	U.S.C.G.S. 56½°N, 121°E. Stansvai Mountains region, Siberia. H = 11 30 44 Magn. 6.7 (Roma) 6.5 (Kew, Pasadena, Praha) 6¼ - 6½ (Matsushiro) 6 (Moskva).
	iP	Z	12	29	16	U.S.C.G.S. 6°S, 155°E.
	i				19	Solomon Is. H = 12 28 20
						Felt:- Karoola Int. 3 (M.M.) 05°10'S, 154°35'E. Rabaul Int. 1 (M.M.) 04°10'S, 152°10'E.
6th.	e	Z	13	34	34	
7th	Nil.					
8th	eP	Z	03	47	11	Deep, New Britain
	i!				12	Felt:- Kandrian Int. 2 (M.M.) 06°15'S, 149°35'E. Linga Linga Int. 1-2(MM) 05°35'S, 149°45'E.
9th	eP	Z	11	15	20	U.S.C.G.S. 5½°S., 147°E.
	i!				22	Near North coast of New Guinea
	eS			16	14	H = 11 13 56 h about 150 km. Magn. 6½ (Matsushiro)
						Felt:- Lae Int. 4 (M.M.) 06°45'S., 147°E. Wau Int. 4 (M.M.) 07°20'S., 146°45'E. Bundi Int. 4 (M.M.) 05°40'S, 145°15'E. Port Moresby Int. 4(M.M) 09°28'S., 147°08'E. Saidor Int 2 (M.M.) 05°35'S., 146°30'E. Goroka Int.2-3 (M.M.) 06°05'S., 145°25'E. Kundiawa Int. 3 (M.M.) 06°00'S., 145°E. Wasu Int 4 (M.M.) 06°00'S., 147°15'E. Mumeng Int 2 (M.M.) 07°00'S., 146°35'E. Kaiapit Int 3 (M.M.) 06°15'S., 146°15'E. Kainantu Int. 4 (M.M.) 06°15'S., 145°50'E. Awelkon Int 2 (M.M.) (Umboi Is.) 05°40'S., 147°50'E.
	e	Z	14	12	32	
	i(P)	Z	17	51	22	U.S.C.G.S. 44½°N., 85°E.
	i				31½	Sinkiang Province, China. H = 17 39 24 Magn. 6.1 (Roma, Quetta) 6 (Kew) 5½ (Moskva) B.C.I.S. 45°N., 85°E. H = 17 39 29 Moskva 45°N., 85°E. H = 17 39 30

9th contd	iP!	Z	19	44	53½	Dilatation from South-South.East. Deep.
	i	Z		45	25	
	iP	Z	21	17	58	
	i!				59	
	e(S)	Z		18	(41)	Deeper than normal.
	eP	Z	21	42	11	B.C.I.S. 7°S., 130°E. Banda Sea. H = 21 37 34
10th.	e(P)	Z	15	10	(53)	Felt:- Lumi Int 3 (M.M.)
	i	Z		11	22	03°30'S., 141°55'E.
11th	eP	Z	13	25	46	U.S.C.G.S. 23½°S., 177°W.
	iPP	Z		27	26	Tonga Is. region.
	i	Z			42	H = 13 18 47
	isPP	Z			55½	Magn. 6¼ (Matsushiro)
	eScP	Z		28	15	Δ 35°30
	i	Z			45	
	eScP	Z		31	42	
	eScS	Z		35	46	
12th	e	Z	08	00	03	
	iP	Z	12	22	26½	Dilatation from S.E.
	e(P)	Z	15	14	56	
	i	Z		15	01	
13th.	iP	Z	00	12	22	U.S.C.G.S. 52½°N., 177°E.
		Dilatation				Rat Is., Aleutian Is.
						h about 100 km.
						H = 00 02 24
						H = 00 02 23 (Moskva)
	eP	Z	02	58	11	U.S.C.G.S. 11°S., 166°E.
	i	Z			21	Santa Cruz Is.
	i	Z	03	00	13	h about 100 km.
	e(S)	Z			58	H = 02 54 37
	e(ScS)	Z		10	29	Magn. 6¼ (Matusuhiro).
	eP	Z	13	27	11	U.S.C.G.S. 27½°N., 130°E.
	i	Z			12	Ryukyu Is. H = 13 19 49
	e	Z			37	
	e	Z		32	20	
	eP	Z	20	24	45	U.S.C.G.S. 11½°N., 92½°E.
	i	Z		25	04½	Andaman Is. H = 20 14 27
	e	Z		27	32	H = 20 14 34 Magn.6.3
	e	Z		29	25	(Quetta) 6 (Matsushiro)
						Moskva 12°5N., 95°5'E.
						H = 20 14 34
14th.	iP	Z	01	03	08	
	e(P)	Z	06	02	(01)	U.S.C.G.S. 22°S., 175°W.
						Tonga Is. H = 05 54 48
						Magn. 5¾-6 (Matsushiro)
	iP	Z	07	27	07	U.S.C.G.S. 29°S., 179°W.
	i	Z		29	21	Kermadec Is. H = 07 20 25
	e	Z		32	37	h about 350 km.
	e	Z	10	13	26	

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14th contd.	iP	Z	14	35	26½	B.C.I.S. 11½°S., 165°E. Santa Cruz Is. H = 14 31 12
	iP	Z	15	04	16	U.S.C.G.S. 12½°S., 167°E.
	e(S)	Z		07	18	Santa Cruz Is. H = 15 00 14
15th.	iP	Z	10	07	04	Felt:- Awelkon Int.2" (M.M.)
	i	Z			06	(Umboi Is.) 05°40'S., 147°50'E.
	i	Z		08	17	
	e	Z	19	33	25	U.S.C.G.S. 16½°S., 71½°W.
	i(PKP)	Z			35½	Sth. Peru. Extensive damage to
	i	Z			42	property, 21 killed, 90 injured
	i	Z		34	02	h about 100 km. H = 19 14 29
	e(SKP)	Z		36	55	Mag. 7¼-7½(Praha), 7.3 (Uppsala)
	e	Z		46	44	(Kiruna); 7¼(Matsushiro); 7¼
	e(SS)	Z		49	50	(Kew), 7(Pasadena), 7(Moskva Roma); 6¾ (Berkeley); 6.7 (Wellington) - = C132½°
	eP	Z	22	19	54	U.S.C.G.S. 13½°S., 167°E.
	i	Z		22	10	New Hebrides Is.
	i	Z		23	12	H = 22 15 44
	eS	Z			31	Mag. 6½(Uppsala, Kiruna, Kew);
	eScP	Z		28	10	6.37 (Roma) 6¼-6½ (Matsushiro=
	eScS	Z		31	37	- = 18°.
16th	iP	Z	04	23	13	U.S.C.G.S. 16°S., 175°W. Tonga Is. region. h about 250 km. H = 04 16 46
	eP	Z	11	07	42	U.S.C.G.S. 14°S., 167°E.
	e	Z		08	51	New Hebrides Is.
	e	Z		11	09	H = 11 03 32 Mag. 6 (Matsushiro)
	eP	Z	18	50	43	
	e	Z		51	12	
17th.	iP	Z	04	19	36	U.S.C.G.S. 1°S., 127°E.
	i	Z		20	11	Spice Is. H = 04 14 02 Mag. 6-6¼ (Matsushiro)
	eP	Z	07	24	20	U.S.C.G.S. 52°S., 139½°E. Antartic Ocean. H = 07 15 38 Mag. 6½ - 6¾ (Matsushiro)
18th	ePKP	Z	15	33	59	U.S.C.G.S. North of Tristan Da Cunha. H = 15 14 26
	iP	Z	19	25	19½	U.S.C.G.S. 6°S., 155°E.
	i	Z			23	h about 100km. H = 19 24 30 Felt:- Karoola Int 2 (M.M.) 05°10'S., 154°35'E. Buin Int 2 (M.M.) 06°50'S., 155°45'E. Aropa Int. 2 (M.M.) 06°25'S., 155°50'E.

19th.	eP	Z	14	26	(29)	U.S.C.G.S. 1½°S., 79½°W.
	i	Z			42	Near coast of Ecuador.
			C.B.M.			14 killed, many injured, extensive property damage at Las Esmeraldas, Las Palmas and Guayaquil. Seismic Sea Wave damage, Las Esmeraldas and Guayaquil. h about 60km.
						H = 14 07 27
						Mag. 7¾ (Praha, Lwiro); 7½-7¾ (Matsushiro) 7½ (Pasa. Roma, Moskva, Shillong); 7.3(Kew, Reykjavik, Uppsala, Kiruma) 6.9 (Quetta.)
	ePKP	Z	15	02	(32)	U.S.C.G.S. 1½°S, 79½°W.
			C.B.M.			Near coast of Ecuador. Slight damage in Nth, Ecuador.
						h about 60 km. H = 14 43 24.
						Mag. 7.2 (Praha); 6¾ (Kew) 6.8 (Quetta) 6¾ (Pasa.).
20th.	Strong microseismic activity.					
	iP	Z	03	34	13.1	Felt:- Awelkon Int 2 (M.M.) 05°40'S., 147°50'E.
21st.	iP	Z	16	50	27	
	i!	Z			28	
	i!	Z		51	14	
	i	Z			23	
	i	Z			47	
	i	Z		52	05	Deep?
22nd	eP	Z	18	36	37	U.S.C.G.S. 23°N., 121½°E.
	i	Z			48½	Near east coast of Formosa.
	i	Z			55	h about 200km. H = 18 29 11
	i	Z		37	22	Felt.Taipei.
	e	Z		38	17	
	e(L)	Z			42.8	
23rd.	eP	Z	02	43	(12)	
	i	Z			28	U.S.C.G.S. 44½°N., 146½°E.
						Kurile Is. h about 150km.
						H = 02 34 09 Felt:- J.M.A. Japan. Mag. 6-6¼ (Matsushiro)
	iP	Z	08	57	15	U.S.C.G.S. 18½°S., 170°E.
	i	Z		58	35	New Hebrides Is. h about 150km.
						H = 08 52 23
	eP	Z	16	28	16	B.C.I.S. Sth Pacific
	e	Z		30	34	discordant data.
24th	No records.					
25th	eP	Z	00	00	(40)	U.S.C.G.S 17½°S., 178½°W.
	e	Z		03	40	Fiji Is. h about 550 km.
	e	Z		08	39	H = 23 53 29
	e(L)	Z		11	00	Mag. 6¼ (Matsushiro)
	eP	Z	00	44	(26)	
	eL	Z		47	00	
	eP	Z	01	02	(02)	
	eL	Z		04½		

25th. contd.	e	Z	06	53	27	
	e	Z	22	15	50	
26th.	e	Z	07	37	57	U.S.C.G.S. 49½°N., 155°E. Nth. Kurile Is. H = 07 28 33 Mag. 5¾ (Matsushiro)
	eP	Z	13	36	23	
	i	Z			24	
	e	Z	18	02	59	B.C.I.S. 18½°S., 167°E.
	i	Z		03	07	New Hebrides H = 17 58 20
	e	Z		04	34	
27th	i(P)	Z	07	50	55	U.S.C.G.S. 15°S., 174°W.,
	i	Z		51	12	Samoa Islands. H = 07 43 58
	e	Z		52	06	Mag. 6¾ (Pasadena); 6½ (Berkeley);
	e	Z		53	32	6½ (Kew); 6-6¼ (Matsushiro); 6,(1) (Roxburgh); 6.0 (Wellington)
	eP	Z	08	53	51	U.S.C.G.S. 8°S., 155°E.
	iS	Z			56	Solomons Is. h about 200 km. H = 08 52 42 Felt:- Aropa Int 2 (M.M.) 06°25'S., 155°50'E.
	eP	Z	09	03	45	Felt:- Aropa Int 2 (M.M.)
	i!	Z			52	06°25's., 155°50'E.
	i!	Z		04	57	
	e	Z	11	08	04	
28th	eP	Z	18	11	15	
	i	Z			17	
	e(P)	Z	19	46	33	U.S.C.G.S. 03½°N., 127°E.
	e	Z			51	Molucca Passage. H = 19 41 54 Mag. 5 (Matsushiro)
	eP	Z	19	54	53	
	i	Z			57	
	i	Z		56	01	
29th.	eP	Z	11	15	49	Felt:- Buin Int 4 (M.M.)
	i	Z		16	55	06°50'S., 155°45'E. Aropa Int 2 (M.M.) 06°25'S., 155°50'E.
30th	iP	Z	06	14	42	U.S.C.G.S. 7½°S., 155½°E. Solomons Is. H = 06 13 24 Moskva 9°S., 157½°E. H = 06 1[illegible] 20 Mag. 6½ (Pasadena, Uppsala, Kirura Wellington, Kew); 6.45 (Roma); 6.4 (Quetta); 6¼-6½ (Matsushiro) 6.1 (Roxburgh) Felt:- Buin Int 2 (M.M.) 06°50'S., 155°45'E. Aropa Int 1-2 (M.M.) 06°25'S., 155°50'E.
	iP	Z	07	19	05	Felt:- Aropa Int 1 (M.M.) 06°25'S., 155°50'E.

30th. contd.	eP	Z	08	12	25	Felt:- Aropa Int (M.M.) 06°25'S., 155°50'E.
	i	Z			26	
	i	Z		13	31	
	iP	Z	14	03	32	B.C.I.S. Insufficient data. Epicentre probably in Aleutian Islands.
	iP	Z	15	07	29	B.C.I.S. insufficient data Felt :- Rabaul Int 3-4 (M.M.) 04°10'S., 152°10'E.
	eP	Z	18	51	52	B.C.I.S. Insufficient data.
	i	Z			53	
	eP	Z	19	00	17	B.C.I.S. Insufficient data
	i	Z			18	
31st.	iP	Z	06	40	28	U.S.C.G.S. 44½°N., 153°E. Kurile Is. region. H = 06 22 35
	iP	Z	07	47	10	Local
	iP	Z	12	45	36	Compression from S.W. Deep. Local
	iP	Z	18	06	42	Local

TERRITORY OF PAPUA AND NEW GUINEA.

SEISMOLOGICAL OBSERVATORY

FEBRUARY 1958
FINAL BULLETIN .

1st.	e	Z	14	35	00	
	ePKP	Z	16	29	10	U.S.C.G.S. 2°N., 79°W.
	i	Z			23	Near coast of Ecuador. H= 16 10 15
						Felt:- Esmeraldas Mag. 7(Praha) 6¾-7 (Pasadena, Berkeley, Matsushiro Shillong); 6.8(Kew) 6.7(Quetta) 6½(Moskva,Tacubaya); 6.4(Reykiavik)
	ePKP	Z	18	21	47	U.S.C.G.S. 2°N., 79°W. Ecuador
	i	Z			56	after shock H= 18 02 39
	e	Z		25	04	Felt:- Esmeraldas
	e	Z	19	37	51	B.C.I.S. 10½°N., 121½°E.
						Near S.W. Coast of Panay P.I.
						H = 19 31 31
	ePKP	Z	21	04	53	U.S.C.G.S. 1½°N., 79°W. Ecuador
	i	Z		07	09	after shock H = 20 45 45
						Mag: 6¾(Pasadena) 6.5(Tacbaya) 6½(Berkeley); 6¼-6½(Kew) 6.3 (Quetta); 6¼ (Matsushiro)
	eP	Z	22	01	31	U.S.C.G.S. 7°S., 156°E.
	i!	Z			38	Solomons Is. H = 22 00 15
2nd.	iP	Z	08	21	06	U.S.C.G.S. 48½°N., 154½°E.
						Northern Kurile Is. H = 08 11 53
						JMA Japan 47°N., 155°E. h about 60 (km.
						H = 08 12 03
						Moskva H = 08 11 58 Mag. 6½-6¾ (Pasadena); 6¼ (Matsushiro) 5½(Moskva)
	e(PKP)	Z	09	08	32	U.S.C.G.S. 2°N., 79°W. Ecuador
						after shock. H = 08 49 13
	i	Z	21	00	26	U.S.C.G.S. 27½°N., 127°E.
						Ryukyu Is. region. h about 200km
						H = 20 53 08
3rd.	iP	Z	00	47	00	
	i	Z			43	Deep.
	eP	Z	20	12	47	
	i	Z		13	06	
	i	Z			57	
4th.	eiP	Z	00	03	13	U.S.C.G.S. 6½°S., 155°E.
						Solomons Is. H = 00 02 16
						Felt:- Karoola Int 3 (M.M.) 05°10'S., 154°35'E.
						Buin Int 1-2 (M.M.) 06°50'S., 155°45'E.
	iP	Z	02	20	48	U.S.C.G.S. 6°S., 131½°E.
						Banda Sea. H = 02 16 00
	eiP	Z	12	41	54	U.S.C.G.S. 7°S., 156°E.
						Solomons Is. H = 12 40 27

5th.	e	Z	08	17	21	U.S.C.G.S. 47°N., 153°E. Kurile Is. [illegible] H = 08 08 10 JMA Japan h about 60km. H = 08 08 20 Mag. 5½-5¾ (Matsushiro);5(Moskva).
6th.	iP!	Z	10	00	46	Compression
	i	Z			54	
	e(P)	Z	16	06	57	U.S.C.G.S. 27½°S., 178°W.
	i	Z			59	Kermadec Is. region. h about 250km.
	e	Z		08	12	H = 16 00 12
	e	Z		12	43	Possibly overlapping shocks.
7th.	iP	Z	01	17	43	U.S.C.G.S. 31°S., 179°W.
	i	Z		20	05	Kermadec Is. H = 01 10 31
	e	Z		23	31	
	iP	Z	07	07	24	U.S.C.G.S. 27½°N., 128½°E Ryukyu Is. H = 06 59 53 Moskva H = 06 59 56 JMA Japan 27°N., 129½°E, (Felt). H = 06 59 55
	iP	Z	10	20	47	Compression, Deep.
	iP	Z	23	33	29	U.S.C.G.S. 31½°N., 104°E Szechwan Province,China 3 injured, 20 houses destroyed in Mowhsien (News) H = 23 23 30 Moskva 32°N., 104°E, H = 23 23 35 Shillong 32°N., 103°E. H = 23 23 35
	Dilatation					
8th.	iP	Z	15	39	23	
	i	Z			41	
	i	Z			44	
	i(S)	Z			54	
9th.	iP	Z	17	00	04	
	i	Z			09	
	iP	Z	22	36	21	U.S.C.G.S. 12½°N., 121°E.
	confused by microseisms					Mindoro, P.I. H = 22 29 23 Shillong 13°N., 121°E.H = 22 29 21 Mag. 6(Matsushiro, Uppsala, Kikuna, Kew); 5½(Moskva).
10th.	e	Z	14	48	51½	U.S.C.G.S. 26°N., 142½°E. Volcano Is. H = 14 42 30 B.C.I.S. 26°N., 142¼°E. H = 14 42 32
	iP!	Z	19	20	21½	Dilatation to E.S.E. Felt:- Rabaul Int 1-2 (M.M.) 04°10'S., 152°10'S. Warangoi Int 1-2 (M.M.) 04°30'S., 152°20'E.
11th.	iP	Z	20	06	29	U.S.C.G.S. 1°S., 121½°E. Clelbes. H = 20 00 09 B.C.I.S. ½°S., 122°E. H = 20 00 14

12th.	iP	Z	02	38	29	U.S.C.G.S. 13½°N., 144° E. Mariana Is. h about 150 km. H = 02 34 14 Felt:- Guam Δ= 19°32'.
	iP!	Z Dil. to S.S.W.	06	35	28½	U.S.C.G.S. 5°S., 151½°E. New Britain h about 60km.,H =06 34 59 Felt:- Rabaul Int 4 (M.M.) 04°10'S., 152°10'E. Warangoi Int 2-3 (M.M.) 04°30'S., 152°20'E. Ulamona Int 1 (M.M.) 05°00'S., 151°15'E. Δ = 01°48'.
	iP!	Z Dil. to S.S.W.	07	22	00	U.S.C.G.S. 5½°S., 151½°E. New Britain h about 60km. H = 07 21 37 Felt:- Rabaul Int 3 (M.M.) 04°10'S., 152°10'E. Warangoi Int 2-3 (M.M.) 04 30'S., 152°20'E. Ulamona Int 1 (M.M.) 05°00'S., 151°15'E.
	iP	Z	23	39	58	U.S.C.G.S. 43½°N., 145½°E. Near East Coast of Hokkaido, Japan.H = 23 31 21 JMA Japon 42°8'N., 145°7'E. h about 70km. H = 23 31 28 Δ = 48°05' Felt:- Nemuro and Kushiro.
13th.	iP	Z Dil. to N.E.	05	06	52½	
	iP	Z Compression.	06	08	48	
14th.	eP	Z	11	57	(07)	
15th.	iP	Z	01	55	23½	U.S.C.G.S. 44°N., 147°E. Kurile Is.
	i	Z			36½	H = 01 46 40 Moskva 44°N., 146°E., H = 01 46 50 JMA Japon 43°5N, 147°7E. H = 01 46 43 Felt:- Nemuro, Kushiro. Mag. 6.4 (Upp., Kiruna); 6.3 (Quetta) 6-6¼ (Pas.) 6 (Moskva, Matsushiro).
16th.	eP	Z	06	12.6		Confused by microseisms. U.S.C.G.S. 39°N., 142°E. Near coast of Honshu, Japan. H = 06 04 05 JMA Japan 38°5N., 142°"E. h about60km. H = 06 04 08. Felt:- Ishinomaki, Mizusawa,Onahoma, Kakioka, Hachinohe, Mito, Utsunomiya and Tokyo. Moskva H = 06 04 07. Mag., 6.4 (Mats); 6.3(Upp.,Kiruna); 6-6¼ (Pas. Kew.) 6 (Moskva) 5.8(Roma)
	iP	Z	07	46	55½	U.S.C.G.S. 17°N., 146°E. Mariana Is. h about 200 km. H = 07 42 11

Benioff not recording from 2350 hrs to 2359 hrs.
Initial phases of earthquake during this period not recorded.

17th. iP Z 00 52 13 B.C.I.S. 7°S., 147°E.
Dilatation Near northwest Coast of New Guinea.
H = 00 50.9
Felt: Kaianit Int 3 (M.M.)
06°15'S., 146°15'E.
Bulolo Int 3 (M.M.)
07°10'S, 146°35'E.
Mumeng Int 1 (M.M.)
07°00'S., 146°35'E.

iP Z 05 30 56½ U.S.C.G.S. 35½°N., 70°E.
Confused by Microseisms Hindu Kush.
h about 200 H = 05 18 35
B.C.I.S. 36°5N., 70°5E.
h about 220 H = 05 18 44
Moskva 36°N., 71°E.
h about 200 H = 05 18 38
Shillong 37½°N., 70½°E.
h about 200 H = 05 18 33
Quetta 36½°N., 71¼°E.
h about 200.
Mag. Mat 6¼-6½; Upp 6.7; Kir 6.7; Kew 6½;
Que 6.9; Pra 6¾.

18th. eP Z 07 03 (26)
eL Z 05.1

eP Z 07 41 16 U.S.C.G.S. 21°S., 173½°W.
Tonga Is.
H = 07 34 07
Mag. Mat. 5¾. Δ = 37°25'.

e(P)Z 13 28 (38) U.S.C.G.S. 31°S., 178½°W.
Karmadec Is.
H = 13 21 20
Mag. Mat 5½-5¾

eP Z 19 15 43 U.S.C.G.S. 21°N., 120°E.
i Z 16 04½ Off south coast of Formosa.
H = 19 08 05
Mag, Mat 5-5¼ Δ = 40°25

iP Z 19 56 18 U.S.C.G.S. 20½°N., 120°E.
H = 19 48 43
Mag. Mat 6; Mos 6;

eP Z 20 10 00 U.S.C.G.S. 3°S., 147½°E.
i! Z 08 Bismarck Sea.
eL Z 11.6 H = 20 08 44
Mag. Mat 6¼-6½ Δ = 04°47.

eP Z 21 18 02
eL 19.8

e(P)Z 23 04 00
eL 04.8
Confused by Microseisms.

19th. iP! Z 08 08 15
Confused by microseisms

eP Z 19 33 (35) B.C.I.S. 8¼°S., 107¼° E.
i Z 34 17 Near south coast of Java.
Confused by microseisms H = 19 25 20
Mag. Mat 6-6¼; Mos 5¾; Que 6.6:

20th.	eP	Z	07	22	45.2	Dilatation
	iP	Z	14	40	18½	
	i	Z			21	
	iP	Z	14	50	08	
	i	Z		51	53	Overlapped by following shock.
	iP	Z	15	00	09	
	i	Z			27.6	
	i	Z	17	31	31.7	
21st.	iP	Z	01	35	54	
	iP	Z	10	05	40.4	Comp. from S.S.E
			Felt:- Warangoi Int 2-3 (M.M.)			
			04°30'S., 152°20'E.			
22nd.	iP	Z	08	13	08.7	Comp. U.S.C.G.S. 6°S., 147°E. h about 200 km. H = 08 11 50 Near North coast of New Guinea Felt:- Saidor Int 1 (M.M.) 05°35'S., 146°30'E. Mumeng Int 2 (M.M.) 07°00'S., 146°35'E. Wau Int 2 (M.M.) 07°20'S., 146°45'E. Mag. Mat 5-5½
	iP	Z	11	00	40	U.S.C.G.S. 50½°N.,175°W. Andreanof Is. H = 10 50 23 Moskva 50½°N., 175°W. H = 10 50 24 Mag. Mat 6¼-6½; Upp,Kir, 7.2; Kew 6¾; Mos6¼; Shl 6¾-7; Pas 6¾; Pra 7; Rey 6.8. Δ = 62°
	eP	Z	13	32	02	U.S.C.G.S. 50½°N., 175°W. Andreanof Is. Aleutian Is. H = 13 21 48 B.C.I.S. 50½°N., 175°W. H = 13 21 48
	eP	Z	13	41	24	Comp.
	iP	Z			24½	Bismarck Sea. H = 13.40.7
	iP	Z	23	51	35	Comp.
	i	Z			36	
						(foreshock)
	iP!	Z	23	54	01	Superimposed on previous shock./ New Britain - Solomon Is.region
23rd.	iP!	Z	00	25	04	Dilatation
	i!	Z			05½	U.S.C.G.S. 6°S., 153°E. New Britain - Solomons Is.region. H = 00 24 34 Felt:- Ulamona Int 1 (M.M.) 05°00'S., 151°15'E. Warangoi Int 1 (M.M.) 04°30'S., 152°20'E.
	eP	Z	08	35	15	
	i	Z			38	
	i				40	

23rd.	iP	Z	09	18	39	U.S.C.G.S. 28½°N., 139½°E.
contd.	e	Z		20	04	Bonin Is. region. Felt.
	e(S)	Z		23	35	h about 400 H = 09 12 20
						Moskva. h about 450 H = 09 12 26
						JMA Japan 28½°N., 139¾°E.
						h about 450 H = 09 12 24
						Mag 6½.Mat.
	iP	Z	10	13	59½	U.S.C.G.S. 20½°N., 120½°E.
						Bonin Is. Region H = 10 06 23.
						Mag. Mat 5-5¼.
	eP	Z	10	53	49	U.S.C.G.S. 24°N., 141½°E.
	iP	Z			50½	Volcano Is. H = 10 47 40
	i	Z		54	20	Mag. Mat 6½; Upp,Kir. 6.5.
	i	Z		55	13	
24th.	iP	Z	10	46	43	Compression.
						Felt:- Warangoi Int 1 (M.M.)
						04°30'S., 152°20'E.
	iP	Z	12	38	09	U.S.C.G.S. 45°N., 99°E.
						Outer Mongolia. H = 12 27 06
						B.C.I.S. 45°2'N., 100'E. H = 12 27 04
						Moskva 45°N., 100°'E. H = 12 27 10
						Shillong 45½°N., 100°E. H = 12 27 04
						Oulan Bator 45°N., 100°E.
25th.	iP	Z	12	24	39	Compression
	Superimposed on previous shock.					
	iP!	Z	12	26	35	
	iP!	Z	15	02	44	Compression.
						U.S.C.G.S. 6°S., 151½°E. New Britain.
						H = 15 02 08
						Mag. Mat 5¼.
26th.	iP!	Z	00	18	51	Dilatation to N.N.E.
						U.S.C.G.S. 3°S., 152½°E. New Ireland
						h about 300 H = 00 17 56
	iP!	Z	02	33	41	Dilatation to S.S.E
	iP	Z	17	00	09½	U.S.C.G.S. 50°N., 155½°E. Kurile Is.
						H = 16 50 46
						Moskva 50°N., 155°E. H = 16 50 55.
						Mag. Mat 5¼; Mos 5½.
	iP	Z	17	27	16	
	i	Z			24½	
	iP	Z	18	07	05	Compression
	i	Z		08	20	
27th.	iP	Z	16	56	17.6	
	eP	Z	23	35	31	U.S.C.G.S. 21°N., 120°E. Batan Is.
						region H = 23 27 49
						Shillong21°N., 121°E. H = 23 27 44
28th.	e(P)	Z	16	48	39	U.S.C.G.S. 11°N., 122½°E. Panay Is.P.I
						H = 16 41 57

28th. Contd.						
	e(P)	Z	19	14	47	B.C.I.S. insufficient data.
	e	Z		15	17	
	iP	Z	20	18	04	
	e	Z	20	38	25	B.C.I.S. 18°S., 168°E. New Hebrides. H = 20 33.7

Compiled by G.W.D'Addario

C.D.Branch
Vulcanologist.

FINAL BULLETIN

1st.	iP	Z	00	15	57	
	i	Z		16	03	
	i	Z			39.4	
	iP	Z	16	22	51	U.S.C.G.S. 17°S., 173°W. Tonga Island region. H = 16 16 01
2nd.	Nil					
3rd.	iP	Z	01	59	13	Near E.Coast of New Guinea. B.C.I.S. 8°S., 149°E. H = 01 58.1 Felt:- Mumeng Int.2 M.M. 07°00S; 146°35E.
	eP	Z	04	10	40.3	U.S.C.G.S 14½°S., 168½°E.
	i	Z			46	New Hebrides Is.
	e	Z	07	30	25½	U.S.C.G.S. 23½°N., 122°E. Near E.coast of Formosa H = 07 22 42 Moskva H = 07 22 41 Mag. Mats 5¼-5½; Que 5.9
	iP	Z	16	28	30	U.S.C.G.S. 55½°N., 166½°E. Komandorskie Is. H = 16 18 17 Mag. Mats 6¼, Upp,Kir, 6.4; Roma 5¾, Mos 5¾, Pas 6¼-6½, Que 6.5;
	iP	Z	17	43	01	U.S.C.G.S. 55½°N., 166°E. Komandorshie Is. H = 17 32 47 Moskva H = 17 32 49
4th.	iP	Z	17	55	54½	U.S.C.G.S. 27°N., 130°E. Rioukiou Is. H = 17 48 35
5th.	i(P)	Z	16	59	07½	1½°N., 123°E. Celebes. H = 16 53 06.
6th.	Nil					
7th.	e(P)	Z	17	37	(28)	U.S.C.G.S. 20°S., 176°W. Tonga Is. H = 17 30 38
8th.	eP	Z	18	07	43	Near N.coast of New Guinea.
	i	Z			46	B.C.I.S. 6°S., 147°1/3E.,
	i!	Z			48	H = 18 06 30
	i	Z			54	
	i	Z		08	42	
	i	Z		09	00	
	i	Z			20	
	eP	Z	18	48	55	Near N.E. coast of New Guinea. B.C.I.S. 6°S., 148½°E. H = 18 47 42
9th.	eP	Z	07	25	00	U.S.C.G.S. 6½°S., 148°E. H = 07 23 51
	i	Z			03	Near N.coast of New Guinea.
	iS	Z		26	00	Mag. Mat 5¾. Felt:- LongaLinga Int 1-2 M.M. 05°32'S., 149°45'E. Angoram Int 2 M.M. 04°05'S., 144°05IE.
	iP	Z	10	29	58 D	U.S.C.G.S. 34°S., 178½°W.
	i	Z		31	43	Kermadec Is. region H = 10 22 25

9th.Contd.	continuation of previous shock.					
	e	Z	10	35	41	h about 60
	eS	N			52	Wellington 33¾°S., 179°W.
						H = 10 22 32 Mag. Mat 6½-6¾; Kew6.5,
						Wel 6½, Pas 6½-6¾.
	iP	Z	11	29	01½	
	i	Z			05½	U.S.C.G.S. 2°N., 129°E. Halmahera Is
						region. H = 11 23 19.
10th.	eP	Z	06	47	14	
	eS				35	
	eP	Z	11	42	56	
	e	Z		43	09	
	iP	Z	14	50	09	
	i	Z		50	44	
	i	Z		52	32	
	iP	Z	15	07	37.5	
	i	Z			46	
	e(S)	Z			(51)	
	iP	Z	16	14	30½	
	eS	Z			41	
	eP	Z	17	34	54	Central Ryukyu Is.H = 17 27 20
						B.C.I.S. 27¾°N., 128½°E.
						H = 17 27 27
	iP	Z	18	37	27	
	e(P)	Z	18	51	31	Solomon Is. region.
	e				43	B.C.I.S. 9½°S., 156 1/3°E.
						H = 18 48.8
	iP	Z	19	05	31 D	
	iS	Z			56	
	e	Z	21	44	19	
11th.	iP!	Z	00	13	58	Dilatation to South.
						Felt:- Warangoi Int 2 (M.M.)
						04°30'S., 152°20'E.
						Keravat Int 2 (M.M.)
						04°15'S., 152°[illegible]0'E.
						Rabaul Int 1 (M.M.)
						04°10'S., 152°10'E.
	iP	Z	00	33	29	U.S.C.G.S. 25½°N., 125°E.
	i	Z		35	24	Ryukyu Is. h about 60 H = 00 25 56
	i	Z			41	Moskva H = 00 25 49
	i	Z		36	22	J.M.A.Japan 24¾°N., 124½°E.
	e(L)	Z		(47.5)		h about 80 H = 00 26 06
	irregular surface waves.					Several killed and many injured on Okinawa. Felt strongly on Miyako and Ishigaki, Aparri, Basco and Calayan (P.I.) and Taipe, Formosa. Mag. Mat 7.2, Upp,Kir 7.4, Kew 7¼-7½, Mos. 7½, Shi 7¼, Pas 7, Que 6.8, Pra 7.5, Oulan 7.5, Bator 7.5.
	eP	Z	05	28	42	
	iP	Z	05	38	43½	
	eP	Z	14	03	07	U.S.C.G.S. 13°S., 167°E. New
	iPP	Z			26½	Hebrides Is. H = 13 59 00
						Mag. Mat 5¾-6.

11th.contd.	continuation of previous shock					
	e(PPP)	Z	14	04	20	
	iPcP	Z		07	55	
	eScS	Z		15	08	
	iP	Z	14	57	12½	New Britain region. H = 14 56 46. Dilatation to S.W.
12th.	iP	Z	10	31	22½	
	iP!	Z	11	03	41	Compression
	iP	Z	12	10	55½ D.	
	i	Z		11	04½	
	iP	Z	13	13	38½	
	i	Z			47	
	i	Z		14	07	
	eiP	Z	13	56	45	
	iP	Z	14	16	01½	
	iP	Z	14	42	00½	U.S.C.G.S. 20°½N., 146°E. Mariana Is. H = 14 36 33
	iP	Z	15	06	18½	Compression
	iP	Z	17	04	43½	
	i	Z		05	09½	
	iP	Z	17	43	37	
	iP	Z	18	32	47½	
	iS	Z		33	(08½)	
	iP	Z	19	03	03	
13th	iP	Z	02	10	45	
	iS	Z		11	00	
	iP	Z	06	40	06	
	i	Z			14	
	iP	Z	06	54	32	
	iS	Z			36	
	iP	Z	11	18	02	
	eS	Z			22	
	iP	Z	12	05	05	
	iS	Z			24	
	iP	Z	17	42	33	
	iS	Z			47	
	eP	Z	19	46	28	
	eS	Z			55	
	iP	Z	21	12	55	
	i	Z		13	04	
14th.	e	Z	00	20	06	U.S.C.G.S. 25½°N., 96°E. Northern Burma H = 00 09 41

14th.contd.						
	iP	Z	07	50	15	
	iP	Z	09	00	32	
	eP	Z	10	32	41	
	eP	Z	12	04	57	
	iP	Z			57½	
	iS	Z		05	17	
	eP	Z	12	39	47	
	eS	Z		40	07	
15th.	iP	Z	00	31	39½	U.S.C.G.S. 23½°N., 122°E.
	i	Z			46½	Near E coast of Formosa
	i	Z		33	09½	H = 00 24 04
						Mag. Mat 5¾-6, Upp,Kir 6.0,Mos 5½, Oulan-Sator 5.8.
	iP	Z	08	10	12	
	iS	Z			28	
	iP!	Z	12	32	20½	Dilatation to N.W. Felt:- Rabaul Int 1 (M.M.) 04°10'S, 152°10'E.
	iP	Z	14	21	56½	
	i	Z		22	02½	
	iP	Z	14	28	43½	
	iP	Z	17	53	37	
	iP!	Z	19	06	35	Dilatation to South. U.S.C.G.S. 5°S., 152°E. New Britain H = 19 06 10 Felt:- Rabaul Int 3 (M.M.) 04°10'S., 152°10'E. Warangoi Int 3-4 (M.M.) 04°30'S., 152°20'E. Ulamona Int 1-2 (M.M.) 05°00'S., 151°15'E. Mag. Mat 5¼-5½.
	iP	Z	20	00	08½	
	eP	Z	21	52	48	
	iS	Z		53	05	
16th.	iP	Z	01	05	58½	
	iP	Z	03	17	41	
	i(P)	Z	04	45	51	
	eS	Z		46	32	
	iPn	Z	11	58	58	Compression
	iPg	Z		59	02	
	eSn	Z		59	23	
	i(Sg)	Z			27	
	eP	Z	14	42	37	
	i	Z			44	
	i	Z			53	
	iS!	Z			55½	
17th	iP	Z	02	59	17½	
	i	Z			19½	

17th contd.	Continuation of previous shock					
	iS	Z	02	59	49	
	iP	Z	16	35	05	
	i	Z			06½	
	eS	Z			27	
	iP	Z	17	16	04	
	eS	Z			23	
	iP	Z	20	52	19½	
	i	Z			28½	
	i	Z			37	
	iP	Z	21	41	42½	U.S.C.G.S. 6½°S., 147½°E.
	i	Z		42	10	Near N.E.coast of New Guinea.
	i(S)	Z		42	55	H = 12 40 23
						Felt:- Wasu Int 3 (M.M.)
						06°00S., 147°50'E.
						Awelkon Int 2 (M.M.)
						05°40'S., 147°50'E.
						Kilengi Int 2 (M.M.)
						05°30'S., 148°20'E.
18th,	iP	Z	03	05	00	
	i(S)	Z			26	
	iP	Z	11	09	26½	
	iS	Z			37	
	iP	Z	16	52	07½	
	eS	Z			30	
	iP	Z	20	17	(15)	
	i	Z			18	
	iS	Z			37	
19th.	e	Z	00	23.5)		Unusual disturbance
	e(S)	Z		24.5)		
	iP	Z	01	26	02	
	i	Z			11	
	iP	Z	08	35	14½	
	i(S)	Z			30	
	iP	Z	10	42	41½	
	iS	Z			58	
	e	Z	11	05	(08)	
	iP	Z	12	53	58	
	eS	Z		54	02	
	i	Z	13	02	39	
20th	iP	Z	01	09	19 D	C.B.M.
	i	Z			43½	
	iP	Z	01	48	27	U.S.C.G.S. 51°N., 173°W.
	e	Z		50	36	Fox Is. region H = 01 38 04
						Moskva H = 01 38 02
	e(P)	Z	14	(50)		U.S.C.G.S. 10°S., 161°E.
		C.B.M.				Solomons H = 14 47 05
	eP	Z	17	20	08	B.C.I.S. 10°S., 161°E.
						Solomons H = 17 17 26

20th.contd.						
	iP	Z	22	35	07½	
	i	Z			17	
	iS!	Z			25	
	eP	Z	22	46	25	
	iS!	Z		47	07½	
21st.	iP	Z	10	03	17	
	eS	Z			42	
	eP	Z	13	24	19	
	i	Z		25	09	
	i	Z			40	
	eP	Z	15	32	10	U.S.C.G.S. 4½°S., 143°E.
	iPP	Z			28	Northern New Guinea
	iPPP	Z			35	H = 15 29 52.
	S	N		34	17.5	
	iP	Z	21	26	52	
	iS	Z		27	07	
22nd	iP	Z	00	17	11	
	iS	Z			19	
	iP	Z	01	05	20 D.	B.C.I.S. 1°S., 127°E.
						Molucca Sea H = 00 59 48
						Mat 5¼-5½
	iP	Z	10	21	58C.	U.S.C.G.S. 23½°N., 94½°E
	i	Z		22	32	Burma-Pakistan border. (Felt)
	i	Z			47.5	H = 10 11 27.
	e	Z		24	20	Moskva h about 100 H = 10 11 37 *
						Quetta 24°N., 93½°E. H = 10 11 40
						Mag. Mat 6½, Upp 6.4, Kew 6,
						Kir 6.4, Pra 5¾.
						* Moskva 23½°N., 93½°E.
	iP	Z	13	06	45C.	
	iS!	Z		07	09	
	eP	Z	13	26	23	
	iS	Z			48	
	eP	Z	14	07	48½	B.C.I.S. 18°S., 169°E.
	e	Z		09	03½	New Hebrides. H = 14 03.3
	eP	Z	14	42	51	
	i(S)	Z		43	45	
23rd.	iP	Z	00	14	53	
	iS	Z		15	25	
	iP	Z	10	22	12	U.S.C.G.S. 18°N., 120°E.
	i	Z			34	Near northwest coast of Luson. P.I.
						Felt:- Laoag. H = 10 14 42
						Moskva H = 10 14 46
						Mag. Mat 6, Mos 5¼.
	eP	Z	10	25	35	
	iP	Z	12	11	03	
	i	Z		11	11	
	i	Z			35	
	e(P)	Z	18	58	58	
	e	Z	19	00	(07)	
	i	Z			12.5	

24th.	e	Z	01	01.5		U.S.C.G.S. 21°S., 170½°E. Loyalty Is. region H = 00 55 55
	eP	Z	08	12.7		B.C.I.S. New Hebrides region H = 08 07.2
25th.	e	Z	19	06	(49)	U.S.C.G.S. 17½°S., 167½°E. New Hebrides H = 19 01 52
Records confused by strong microseismic activity/						
26th	e	Z	00	33.3		U.S.C.G.S. Samar Is. P.I. h about 100, H = 00 25 49 Felt:- Surigao, Hinatuan.
			C.B.M.			
27th.	eP	Z	13	58	02	
	i	Z			08½	
	i	Z			23	
	i	Z		59	10½	
	i	Z			16	
	i	Z			23	
	i	Z			55	
28th	iP!	Z	00	23	59D.	U.S.C.G.S. 6°S., 153°E. New Britain region H = 00 23 30 Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E. Ulamona Int 1-2 (M.M.) 05°00'S., 151°15'E.
	eP	Z	12	18	40	U.S.C.G.S. 37°N., 71°E. Hindu Kush h about 200 H = 12 06 24 B.C.I.S. Nil, Moskva h about 200 H = 12 06 26. J.M.A. Japan 37°N., 71°E. Shillong 37°N., 70°E. h about 200 H = 12 06 20
	e	Z		19	30	
	i	Z			43	
29th.	eP	Z	14	56	(49)	
	i	Z			55	
	i	Z		57	48	
30th.	Nil					
31st	Nil					

Compiled by G.W.D'Addario C.D.Branch - Vulcanologist.

TERRITORY OF PAPUA AND NEW GUINEA

SEISMOLOGICAL OBSERVATORY — FINAL BULLETIN - APRIL 1958

1st.	iP	Z	02	13	41½	
	iP!	Z	11	38	40	U.S.C.G.S. Nil
		Compression				
2nd.	iP!	Z	10	51	22½	U.S.C.G.S. 5½°S., 154½°E. Solomon Is. H = 10 50 42 Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'e.
		Dilatation				
	iP	Z	17	21	58	B.C.I.S. 6°S., 146°E. N.E. coast of New Guinea H =17.20.26 Felt:- Kainantu Int2(M.M.) 06°15'S., 145°50'E.
		Compression				
3rd.	e(P)	Z	16	10	42	
4th.	iP	Z	02	40	20.5	
	iP	Z	03	00	33.3	
		Dilatation				
	iS	E			53	
	iP!	Z	07	17	24.2	U.S.C.G.S. 5½°S., 152°E. H = 07 16 55 Felt:- Rabaul Int 3 (M.M.) Warangoi Int 4 (M.M.) 04°30'S., 152°20'E.
		Dilatation				
	iP!	Z	07	28	17.5	B.C.I.S. 5½°S., 152°E. Felt Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
		Dilatation				
	iP!	Z	07	30	23.5	U.S.C.G.S. 5½°S., 152°E. H = 07 29 55 Felt:- Rabaul Int 2 (M.M.) 04°10'S., 152°10'E. Warangoi Int 2 (M.M.) 04°30'S., 152°20'E. Ulamona Int 1-2 (M.M.) 05°00'S., 151°15'E.
		Dilatation				
	iP!	Z	07	56	25.2	Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
		Dilatation				
	iP!	Z	14	44	20	B.C.I.S. 5½°S., 152°E. H = 14 43 53 Felt:- Rabaul Int 2 (M.M.) 04°10'S., 152°10'E.
		Dilatation				
	iP!	Z	15	38	31.3	
	iS	Z		38	51.3	From Omori records U.S.C.G.S. 5½°S., 152°E. H = 15 38 03 Felt:- Rabaul Int 4 (M.M.) 04°10'S., 152°10'E.
	iP!	Z	16	44	52	B.C.I.S. 5½°S., 152° E. H = 16 44 21 Felt:- Rabaul Int 2 (M.M.) 04°10'S., 152°10'E. Warangoi Int 3 (M.M.) 04°30'S., 152°20'E.
		Dilatation				

4th. Contd.	iP	Z	20	57	(28)	Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
		Dilatation C.B.M.				
5th.	eiP	Z	05	07	17½	Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
		Compression				
	iP	Z	11	02	38	
	Dilatation to S.W.					Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
	iP	Z	11	37	17½	
	iP	Z	17	34	23	
		Compression				
	iP!	Z	20	04	00	New Britain
		Dilatation to S.W.				Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
	iP	Z	20	19	49	New Britain
	Dilatation to S.W.					Felt :- Rabaul Int1 (M.M.) 04°10'S., 152°10'E.
	iP	Z	20	22	22.5	Felt:- Rabaul Int 1 (M.M.) 04°10'S., 152°10'E.
	iP	Z	20	26	29.5	
		Dilatation to S.W.				
6th.	No records.					
7th.	iP	Z	15	42	(46)	U.S.C.G.S. 66½°N., 157°W.
	e	Z		45	(47)	Alaska H = 15 30 38
	i	Z		46	(49)	Moskva 65½°N., 155½°W. H = 15 30 37 Mag. Mat 7½-7¾; Upp, Kir 7½; Kew 7; Shillong 8, Mos 7; Pas 7; Que 6.6; Pra 7½; Bks 7¼-7½; Tac 7.2; Twiro 6.9; URSS Artic 6¼.
	eP	Z	18	13	(04)	U.S.C.G.S. 38½°N., 143°E.
	e	Z		19	(33)	Near E coast of Honshu, Japan H = 18 05 02 (Felt) J.M.A. Japan 38½°N., 143¾°E. H = 18 04 57
	eP	Z	18	38	(16)	U.S.C.G.S. 38½°N., 142½°E.
	i	Z			(37)	Near E coast of Honshu, Japan H = 18 30 12 Moskva H = 18 30 15 J.M.A. Japan 38¼°N., 143¾°E. H = 18 30 09
	eP	Z	18	46	(21)	U.S.C.G.S.38°N., 143°E. Near E coast of Honshu, Japan H = 18 38 18 J.M.A.Japon 38¼°N., 143½°E. H = 18 38 14 Moskva H = 18 38.6 Mag. Mat 6.5
	iP	Z	19	24	(28)	U.S.C.G.S. 45°N., 98°E. Outer Mongolia H = 19 13 20 Moskva 45°N., 98°E. H = 19 13 25 Shillong 45°N., 100°E. H = 19 13 15 Mag. Mat 7-7¼; Upp,Kir 6.7; Mos 7; Kew 6¾; Que 6.5;Rev 6.4; Que 6.5; Pra 7.1.

8th.	iP	Z	13	24	(04)	
	e	Z		29	(58)	
9th.	iP	Z	07	08	(08)	Deep
	Compression					
	iP	Z	18	03	33	U.S.C.G.S. 2°N., 126½°E
	e	Z		04	46	Molucca Passage H = 17 58 02
						Moskva 2°N., 126°E. H = 17 58 10
10th.	iP	Z	07	45	18	
	Dilatation					
	iP!	Z	13	24	22	New Britain
	Compression from SSE					Felt:- Rabaul Int 2 (M.M.)
						04°10'S., 152°10'E.
	iPP	Z	13	37	48	U.S.C.G.S. 24°oS., 69°W.
	e(PPP)	Z		40	04	Northern Chile H = 13 18 47
	e	Z		41	06	h about 150
	i	Z			19	
	iP	Z	19	16	51	U.S.C.G.S. 18°S., 174½°W.
	eS	N		23	10	Tonga Is. H = 19 10 13
						h about 200
11th	eP	Z	01	06	18	U.S.C.G.S. 38½°N., 142°E.
	Dilatation					Off E coast of Honshu,Japan
	eS	E		12	51	H = 00 58 13
						Moskva H = 00 58 20
						J.M.A. Japon 38½°N., 144°E
						H = 00 58 06 Mag. Mat 6.6;
						Upp, Kir 6.4; Kew 6½; Mos 6¼; Que6.
	iP	Z	03	24	37	
	Dilatation					
	iP	Z	23	20	27	U.S.C.G.S. 47½°N., 153½°E.
						Kurile Is. H = 23 11 26
						h about 100
						Moskva 47°½N., 153°½E. H = 23 11 28
						h about 100
						J.M.A. Japon 47°N., 152°E.
						H = 23 11 40 h about 80
						Mag. Mat 6¼-6½; Upp 7.1; Shi 7.1;
						Kew 6½; Pas 6½; Pra 6¼; Kiruna 7.1;
						Reykjavik 6.8
12th.	iP	Z	10	53	31	New Britain
	Dilatation					Felt:- Rabaul Int 2 (M.M.)
	iS	N		59	00	04°10'S., 152°10'E.
	iP	Z	13	32	46.7	U.S.C.G.S. 25°N., 126°E
	i	Z		33	01	Ryukyu Is. H = 13 25 22
	e	Z		34	37	B.C.I.S. 25°N., 125¼°E.
						H = 13 25 33
						Moskva H = 13 25 30
						J.M.A.Japon 23°N., 125°E.
						H = 13 24 52
						Mag. Mat, Upp, Kir 6.3; Kew 6¼,
						Mos 5¼.
13th.	e(P)	Z	09	19	29	U.S.C.G.S. 66°N., 156°W.
	eS	Z		29	30	Alaska H = 09 07 24
						URSS Artic 65°1N., 154°W.
						H = 09 07 24
						Mag. Mat 6¼; Kew 6¼; Mos 6;
						Pas 6¾; Que 6.2; Pra 6¾; Tac 6.4

13th. contd.	eP	Z	12	38	56.5	U.S.C.G.S. 53°N., 161°E. Near E coast of Kamchatka H = 12 29 07 Moskva 52½°N., 163½°E. H = 12 29 06 Mag. Mat 6¾ - 7; Upp, Kir 6.7 Kew 6½; Mos 7; Pas 6½; Que 6.4;
14th.	iP Compression	Z	18	32	50	
	e(P)	Z	19	26	16	U.S.C.G.S. 14½°S, 168°E. New Hebrides H = 19 21 54
	ePKP	Z	21	51	39	U.S.C.G.S. 1°N., 79½°W; Near coast of Ecuador. 1 killed, 12 injured and minor property damage at Esmeraldas. Also felt at Ibarra and Quito. H = 21 32 28 Moskva H = 21 32 30 Mag. Mat 7, Mos 7, Pas 6¾ - 7, Que 6.4, Pra 7, Bks 6¾, Lwiro 7¼.
15th.	ePKP	Z	01	49	54	U.S.C.G.S. 1°N., 79½°W. Ecuador aftershock H = 01 30 43 Mag. Upp,Kir 6.3; Kew 6½; Pas 6½ - 6¾; Que 6.2,Pra 6, Bks 6½, Tac 6.1.
	iP Dilatation	Z	10	07	00½	B.C.I.S. New Britain. H = 10 06.7 Felt:- Rabaul Int 3 (M.M.) 04°10'S., 152°10'E. Warangoi Int 2 (M.M.) 05°10'S., 154°35'E.
	iP	Z	11	21	52½	
16th.	ei(P)	Z	12	43	15	U.S.C.G.S. 14°N., 120½°E. Philippines Is. H = 12 36 24 h about 150
17th.	iP iS	Z E	02	02 03	26.2 14.2	U.S.C.G.S. 6°S., 154°E. Solomon Is. H = 02 01 26 Felt:- Aropa 6°25'S., 155°50E.
	iP iS!	Z Z	02	16 17	36 36	U.S.C.G.S. 10°S., 152½°E Off E coast of New Guinea H = 02 15 16 Felt:- Buin 06°50'S., 155°15'E.
	iP	Z	04	16	20.2	B.C.I.S. 5°S., 130¾°E. Banda Sea H = 04 11 25
	iP iS!	Z E	06	22 23	42.2 24	U.S.C.G.S. 6°S., 155°E., Solomon Is. H = 06 21 41 Felt:- Aropa 06°25'S., 155°50'E. Mat 5¼-5½. (Mag.)
	iP! Compression from S.	Z	10	05	16	U.S.C.G.S. 5½°S., 152°E. New Britain H = 10 04 46

17th contd. continuation of previous shock.

Felt:- Rabaul Int 3 (M.M.)
04°10'S., 152°10'S.
Ulamona Int 2 (M.M.)
05°00'S., 151°15'E.
Moskva H = 10 04 40

	iP	Z	10	14	46	New Britain aftershock B.C.I.S. H = 10 14.3
	iP	Z	11	40	57	U.S.C.G.S. 37°N., 140½°E. Near E coast of Honshu, Japon H = 11 32 48 Moskva 38°N., 141°E. H = 11 32 57 J M A Japon 37°1N., 141°3E. H = 11 32 52 Mag. Mat 6.0; Upp,Kir 6.0; Que 6.1
	iP	Z	16	43	24	U.S.C.G.S. 6½°S., 154°½E Solomon Is. H = 16 42 21
	iP	Z	18	11	25	
	Compression					
18th.	iP	Z	03	07	45.5	
	i	Z			47	
	i(S)	E		08	07.5	
	Dilatation					
	iP	Z	05	23	42	
	iS	E		24	37	
	iP	Z	09	05	44	U.S.C.G.S. 5°S., 143½°E.
	i	Z		06	01	New Guinea H = 09 03 27
	e	Z		07	39	
	Dilatation					
19th	Nil recorded					
20th	eiP	Z	13	08	25.5	B.C.I.S. Solomon Is.
	iPP	Z			33	6½°S., 155°E. H = 13 07.4
	iS	Z		09	26	
21st.	iP	Z	05	39	46.6	U.S.C.G.S. 24½°N., 122°E. Near E.coast of Formosa. H = 05 32 00
	iP	Z	15	34	06	
	i	Z			24	
	eP	Z	20	21	35	U.S.C.G.S. 15°S., 174½°W.
	eS	N		27	00	Samoa Is. region H = 20 14 47 Moskva H = 20 14 44 Mag. Mats 6½-6¾., Kew 6¼; Pas 6½.
	eiP	Z	22	46	00	U.S.C.G.S. 4½°S., 104'E.
	i	Z			03	Samatra H = 22 37 18
	i	Z			54	B.C.I.S. 4½°S., 104°E.
	i	Z		47	26	h about 200 H = 22 37 36
	i	Z			50	Moskva h about 180
	e	Z		48	42	H = 22 37 44 Mag. Mat 6-6¼; Upp,Kir 6.7; Kew 6½; Pas 6½.

22nd.	iP	Z	00	01	51	U.S.C.G.S. 6½°S., 131½°E
	eS	N		05	42	Banda Sea H = 23 57 05
	iP!	Z	21	13	14.7	U.S.C.G.S. Solomons Is region H = 21 12 45 Felt;- Londolovit Int 2 M.M. 03°05'S., 152°40'E.
23rd	eP	Z	03	06	41.7	U.S.C.G.S. 45°N., 152°E. Kurile Is. H = 02 57 40 Mag. Mat 5½; Upp, Kir 6.2; Kew 6¼; Mos 6; Pra 6.
	iP!	Z	10	59	08 C.	U.S.C.G.S. 5½°S., 153°E. New Britain H = 10 58 35 Felt:- Rabaul Int 2 M.M. 04°10'S., 152°10'E. Warangoi Int 2 M.M. 04°30'S, 152°20
	iP!	Z	19	12	55 D.	U.S.C.G.S. 4½°S., 153°E. (E. New Britain h about 100 H = 19 12 36 Felt:- Rabaul Int 3 M.M. 04°10'S., 152°10'E. Warangoi Int 3 M.M. 04°30'S., 152°20'E. Londolovit Int 2 M.M. 03°00'S., 152°40'E.
24th	iP	Z	02	15	32 C.	
	iP	Z	02	19	35.7	in coda
	iP Dilatation to S.W.	Z	05	45	59	U.S.C.G.S. New Britain Felt:- Rabaul Int 2 M.M. 04°10'S., 152°10'E.
	eP	Z	13	15	08	U.S.C.G.S. 22°S., 170½°E
	iPP	Z			45	Loyalty Is. H = 13 09 41
	iPPP	Z			56	
	eS	N		19	39	
25th	iP!	Z	05	57	55.5	C
	iS	N		58	29.5	
	iP!	Z	09	16	20 D	B.C.I.S. New Britain region H = 09 16.0 Felt:- Rabaul Int 3 M.M. 04°10'S., 152°10'E.
	iP!	Z	11	30	04 C	New Britain region Felt:- Rabaul Int 2 M.M. 04°10'S., 152°10'E.
	iP	Z	15	48	09.5	D.
26th	eP	Z	09	30	13	U.S.C.G.S. 15°S., 168°E.
	i	Z		33	44	New Hebrides H = 09 25 54
	iP	Z	21	28	24 D	
	iS	Z			44.5	
	iP	Z	09	08	25.6	Sth Pacific. Insufficient data.

27th contd.	eP	Z	17	26	05	U.S.C.G.S. 42½°N., 143½°E.
	i	Z			08	Near E coast of Hokkaido, Japan.
	e	Z		27	52	h about 100 H = 17 17 39
						Moskva H = 17 17 40
						J.M.A. Japon 42.6°N., 143.6°E.
						h about 90 H = 17 17 41
	e(PKP)	Z	19	00	12	U.S.C.G.S. 23°S., 60°W.
	i	Z			22	Jujuy Province, Argentina
						h about 200 H = 18 38 10
	iP	Z	19	36	13	
	i	Z			30	
28th	iP	Z	11	28	47	U.S.C.G.S. 5°S., 153½°E.
						Solomons Islands - New Britain region
						H = 11 28 14
						Felt:- Rabaul Int 3 M.M.
						04°10'S., 152°10'E.
						Karoola Int 2 M.M.
						05°10'S., 154°35'E.
						Warangoi Int 3 M.M.
						04°30'S., 152°20'E.
29th	Nil recorded					
30th	eP	Z	14	05	07	U.S.C.G.S. 38°N., 103½°E.
						Kansu Province, China
						H = 13 54 44

Compiled by G.W.D'Addario.

C.D.Branch - Vulcanologist.

1st	iP	Z	00	33	14	U.S.C.G.S. 13½°S., 167½°E.
	i	Z			32	New Hebrides Islands.
	eS	Z		36	29	h about 200 H = 00 29 15
	i	S			55	Moskva h about 160
	e	Z		38	08	H = 00 29 14
	e	Z		39	09	
	e	Z			42	
	e(P)	Z	00	40	59	
	i(P)	Z	00	44	46	
2nd.	iP!	Z	15	12	31	Dilatation to S.
3rd.	eP	Z	17	01	13	
	i	Z			14	
	e	Z	20	10	06	
	i	Z			50	
	e	Z		11	04	
	e	Z			35	
	e	Z		14	15	
	eP	Z	22	26	52	
4th	iP!	Z	18	12	16	Compression from N.W.
5th.	iP	Z	01	52	28	
	i	Z			31	Solomons Is. region H = 01 50.5
	eS	Z		53	50	
	i	Z	19	09	48	
	i	Z		10	17	
	iP	Z	19	22	58	Deep.
	iP	Z				
	i	Z	19	40	48	
					50	
6th.	iP	Z	19	15	38	
	eiP	Z				
	i	Z	20	34	19	
					20	
7th	iP	Z				
	i	Z	03	41	12	
					32	B.C.I.S. Off N.W. coast of New Guinea H = 03 40 00
						Felt:- Awelkon Int 2 M.M. 05°40'S., 147°50'E.
8th	ePKP	Z	12	59	29	
	i	Z			46	U.S.C.G.S. 24°S., 67°W.
	i	N	13	00	12	Salta Province, Argentina
	e(PP)	Z		02	12	Felt. h about 200 H = 12 40 46
	i	Z			57	Moskva h about 180 H = 12 40 40
	i(PKP)	Z		03	15	Mat 7; Upp, Kir 6.3; Pas 6¼-6½;
	iPPP	Z		05	17	Bks 6, Tac 6.1.
	i	Z			45	
	i	Z		06	50½	
					00	
	eP	Z	15	20	11	

8th contd.	e	Z	15	34	50	
	e	Z		35	18	
	e	Z		36	52	
	iP	Z	18	23	49	
9th	iPKP	Z	04	59	25.5	U.S.C.G.S. 31°S., 65½°W.
	e	E	05	00	14.5	Cordoba - La Roja Provinces
	i	E		02	28	Argentina h about 100
						H = 04 40 20
						Moskva H = 04 40 (35)
						Mag. Mat 6¾; Pas 6¾; Tac 6.6.
10th.	i(P)	Z	07	14	53.6	
	i	Z			55.3	
	i	Z			58.4	
	i	E		15	00	
	i	E			45	
11th	i(P)	Z	15	16	10	
	iP	Z	17	54	40	B.C.I.S. 11¾°N., 165°E.
	i	Z		55	45	Marshall Is. region
						H = 17 50 00
						Atomic explosion at Bikini.
12th	iP	Z	15	23	59	
	iP	Z		24	26	
	i(T)	Z		29	40	
	i	Z	16	52	33	
	iP	Z	16	57	02	U.S.C.G.S. 31°N., 140°½E
						South of Honshu, Japan h about 150
						H = 16 50 05
	i	Z	17	48	09	
	eiP	Z	18	34	22	U.S.C.G.S. 12°N., 163°E.
						Marshall Is. region
						H = 18 29 58
						atomic explosion Eniwetok.
13th	Nil recorded					
14th	iP!	Z	03	58	39	U.S.C.G.S. 4½°S., 153°E.
	Dilatation					New Ireland H = 03 58 09
	iS!	N			56	Felt:- Rabaul Int 4 M.M.
	(S phase reading from					04°10'S., 152°10'E.
	Omori seismograph)					Warangoi Int 3 M.M.
						04°30'S., 152°20'E.
						Londolovit Int 3 M.M.
						03°05'S., 152°40'E.
						Namatanai Int 3 M.M.
						03°40'S., 152°30'E.
15th	eP	Z	15	50	02	U.S.C.G.S. 13°S., 166½°E
						New Hebrides H = 15 45 53
	i(P)	Z	18	47	51	U.S.C.G.S. Fiji Islands
	i	Z		48	11	H = 18 41 23
	i	Z		48	27	B.C.I.S. 15½°S., 179½°W.
	e	Z	18	52	49	
	i	Z			53	

16th.	iP	Z	01	34	31	Marshall Is. atomic explosion.
	i	E			38	H = 01 30 00 U.S.C.G.S.
	iP	Z	18	04	39	
17th.	iP	Z	07	03	48	U.S.C.G.S. 3°S., 147½°E
	e	Z		05	07	New Britain region.
	eL	Z			42	H = 07 02 25 Moskva
						Mag. Mat 5¼-6; Kew 6½; Mos 5¼.
	iP	Z	10	59	43	
	eL	Z	11	01	08	
	e	Z	16	52	13	Andaman Is. region.
						Shillong 12½°N., 95°E.
						H = 16 42 40
	eP	Z	17	50	52	U.S.C.G.S. 18½°S., 174½°W
	ePP	Z		51	57	Tonga Is. H = 17 43 45
	ePPP	Z		52	15	
	ePcP	Z		53	15	
	eS	E		56	12	
18th	eP	Z	02	36	52	U.S.C.G.S. 13°S., 167°E.
	i	Z			57	New Hebrides H = 02 32 52
	iPP	Z		37	02	Moskva H = 02 32 52
	iPPP	Z			15	Mag. Mat 6¼-6½; Bks 7;Upp,
	eS	N		40	02	Kir 6.3; Mos 6¼; Pas 6¼-6½;
	i(SS)	N			22	Roma 6.3.
	i(SSS)	N			28	
	e(ScP)	N		45	01	
	eScS	N		48	58	
	eP	Z	03	35	19	U.S.C.G.S. 13°S., 167°E.
	eS	N		38	28	New Hebrides. H = 03 31 18
	e	Z		38	40	
	eP	N	12	25	19	U.S.C.G.S. 13°S., 167°E.
	i	N			26	New Hebrides H = 12 21 18
	e(PP)	N			33	Moskva H = 12 21 16
	e(PPP)	N			41	Mag. mat 6¼; Mos 5¾;Pas 6.6;
	i	N		27	50	Roma 6¼.
	eS	N		28	28	
	e(SS)	N			48	
	e(SSS)	N		29	01	
19th	eP	Z	05	50	45	C.B.M.
	iP	Z	07	35	42	
	e	Z		26	14	
	i	Z		37	07	
20th	eP	Z	05	50	46	U.S.C.G.S. 25°S., 180° Long.
						South of Fiji Is.
						h about 550 H = 05 44 47
	iP	Z	07	35	43	
	e	Z		36	(15)	
	i	Z		37	08	

21st Nil recorded strong microseismic activity

22nd	eP	Z	15	09	34	U.S.C.G.S. 3°S., 146°E.,
	iPP	Z			44	New Britain region
	i	Z		10	00	H= 15 08 00
	eLQ	Z		11.5		Moskva H = 15 08 15
						Mag. Mat 6, Kew 6¼.
	eP	Z	21	41	26	Felt:- Saidor Int 1 M.M.
	iP	Z			27	05°35'S., 146°30'E.
	i	Z			30	
23rd	Drum drifting - times uncertain.					
24th	iP	Z	10	01	56	C.New Britain.
						B.C.I.S. 4°S., 151½E H = 10 01 42
	iP	Z	16	34	35½	U.S.C.G.S. 6°S., 146°E.
	iPPP	Z			49½	New Guinea H = 16 33 01
	eS	N		35	44	Felt:- Lae Int 4 M.M.
						06°45'S., 147°00'E.
						Wau Int 4 M.M.
						07°20'S., 146°45E.
						Mumeng Int 2 M.M.
						07°00'S, 146°35°E.,
						Awelkon Int 3 M.M.
						05°40'S., 147°50'E.
25th	eP	Z	09	34	54	
	e	Z	15	04	45	U.S.C.G.S. 51½°N., 177°W.
						Andreanof Is. Aleutian Is.
						H = 14 54 30
						Moskva H = 14 54 22
						Mag. Mat 5¾-6; Mos 5½; Pas 5½-5¾;
						Que 6.3.
	eP	Z	17	48	37	U.S.C.G.S. 31°N., 129½°E.
						Near W coast of Kyushu, Japon.
						H = 17 40 47
						Moskva H = 17 40 40 Mag. Mat 6-6¼
	ePKP	Z	21	30	49	U.S.C.G.S. 3°S., 77°W.
	i	Z			51	Ecuador - Peru border region.
	i	Z		31	01	Felt-: Ecuador.
	e(PP)	Z		33	16	h about 100 H = 21 11 45.
	e(PKS)	N		34.2		Moskva H = 21 11 48
	e(SKS)	N		37	26	Mag. Pas 6½; Bks 6¼-6½.
26th	ePKP	Z	09	08	51	U.S.C.G.S. 3°S., 77°W.
						h about 100 H = 08 49 47
						Mag. Mat 5¼-6; Rey 5.8.
	iP	Z	09	56	05	
	i	Z			14	
	iP	Z	15	39	48	
	eP	Z	16	23	51	U.S.C.G.S. 17½°S., 178½°W.
	i	Z		28	03	Figi Is. h about 600
	e(ScS)	N		33	03	H = 16 18 10
27th	iP	Z	01	30	58	D.
	eP	Z	11	27	30	
	e(S)	Z		28	(38)	
	eP	Z	20	48	(02)	B.C.I.S. 2°S., 145°E.
	eL	Z		49.7		Off N. coast of New Guinea
						H = 20 46.1

27th contd.						
	eP	Z	23	34	14	U.S.C.G.S. 5½°S., 146°E.
	i(PP)	Z			22	N. coast of New Guinea
	i(S)	Z		36	26	H = 23 32 42
						Moskva H = 23 32 47
						Felt:- Kaiapit Int 3 M.M.
						06°15S., 146°15'E.
						Henganofi Int 4 M.M.
						06°15'S., 145°40'E.
						Menyamya Int 3 M.M.
						07°10'S., 146°E
						Saidor Int 3 M.M.
						05°35'S., 146°30'E.
						Kerowagi Int 3 M.M.
						05°50'S., 144°50'E.
						Lufa Int 2 - 3 M.M.
						06°20'S., 145°15'E.
						Goroka Int 2 M.M.
						06°05'S., 145°25E.
28th	Nil recorded					
29th	e	Z	13	20	54	
30th	iP	Z	05	51	25.5	U.S.G.C.S. 7°S., 154½°E Solomons.
	i(PPP)	Z			34	H = 05 50 26
	i(SSS)	Z		52	31	
	i	Z		54	21	
	eP	Z	06	00	06	
	e	Z			18	
	e(P)	Z	07	05	(33)	
	e	Z			44	
	eP	Z	16	19	19	U.S.C.G.S. 25°N., 122°E
						Near N.Coast of Formosa.
						h about 100 H = 16 11 40
						Moskva H = 16 11 40 Mag. Mat 5¾-6.
						Upp. Kir 5.8.
	eP	Z	18	15	35	U.S.C.G.S. 52½N., 169°W.
						Fox Is. Aleutian Is. H = 18 04 50
						Moskva H = 18 04 50
	e	Z	21	26	46	U.S.C.G.S. Fiji Is. H = 21 20 05
31st	eP	Z	14	20	34.5	Wellington 34¼°S., 179½°W.
						Off S.coast of Kermadec Is.
						H = 14 13 06
	eP	Z	19	36	(58)	U.S.C.G.S. 15°S., 169°S.
	iPP	Z		37	11.5	New Hebrides. H = 19 32 30
	i(PPP)	Z			28.5	Moskva H = 19 32 28
	e(L)	Z		43.2		Mag. Mat 7¼-7½; Upp,Kir 7.1; Kew 7;
						Mos 7, Shi 6½-6¾; Bks 7¼-7½;
						Pas 7½; Tac 7½; Roma 7.

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1st.	iP	Z	12	36	28	U.S.C.G.S. 5½°S., 146°E.
	iPP	Z			36	Near N.coast of New Guinea
	iS	Z		37	40	H = 12 34 56
	iSS	N			50	Felt:- Goroka Int 3-4 M.M.
						06°05'S., 145°25'E.
						Kajapit Int 3 M.M.
						06°15S., 146°15'E.
						Chauve Int 2 M.M.
						06°05'S., 145°10'E.
						Kupiiawa Int 3 M.M.
						06°00'S., 145°00'E.
						Saidor Int 2 M.M.
						05°35'S., 146°30'E.
2nd.	iP	Z	10	56	04	
	i	Z			07	
	i	Z			13	
	e	Z	17	01	42	
3rd.	iP	Z	00	34	34	Near N.Coast of New Guinea.
	i	Z			35	B.C.I.S. H = 00 31.7
	eP	Z	19	36	22	U.S.C.G.S. 15°S., 168°E. New Hebrides
	iPP	Z			29	H = 19 31 52
	i	Z		38	01	Tacubaya H = 19 31 40
	e(S)	N		40	17	Mag. Mat 6½; Upp,Kir 6.4; Kew 6½;
	e(L)	N		41	22	Bsk 6½-6¾; Roma 6¾, Lwiro 6¾-7;
						Mos 6¼; Pas 6½.
4th.	e	Z	03	37	13	
	eP	Z	09	49	22	U.S.C.G.S. 7°S., 145°E.
						New Guinea.h about 150.H = 09 47 39
						Felt:- Kaiapit Int 3 M.M.
						06°15'S., 146°15'E.
						Chuave Int 2 M.M.
						06°05'S., 145°10'E.
						Lufa Int 2 M.M.
						06°20'S., 145°14'E.
						Wau Int 1 M.M.
						07°20'S., 146°45'E.
5th.	iP	Z	02	14	46	U.S.C.G.S. 5½°S., 151°½E.
	i	Z			47	New Britain H = 02 14 16
	iS	Z		15	09	
	iP!	Z	02	25	44	
	eP	Z	03	00	12	B.C.I.S. 6°S., 152°E.
	i!	Z			12½	New Britain H = 02 58.7
	eP	Z	08	24	42.3	U.S.C.G.S. 10½°S., 166 °E.
	ePP	Z			54.2	H = 08 21 07 Santa Cruz Is.
	ePP	Z		25	01.5	Mag. Mat 5-5¼.
	eS	N		27	30	
	e(SS)N				47	
	e(SSS)N			28	00	
	ePcP	Z		29	52	
	eP	Z	09	43	39	B.C.I.S. 3½°S., 148°E.
	iPP	Z			45	Bismarck Sea H = 09 42.3
	iPPP	Z			50	
	eS	Z		44	47	

5th.	continuation of previous shock					
	e(SS)Z				56	
	e	Z		45	47	
	e	Z		46	32	
6th.	ePKPZ		09	30	29	U.S.C.G.S. 8°N., 84½°W
	eSKS	N		37	27	Off coast of Costa Rica
						H = 09 11 14
						B.C.I.S. H = 09 11 16
						Moskva H = 09 11 30
						Tacubaya H = 09 11 21
						Mag. Mat 6¾-7; Kew 6¼-6½;Mos 6½;
						Pas 6½-6¾; Tac 6.5; Rey 6.7; Roma 6½
						Strasbourg 6½.
	eP	Z	12	18	37	Felt:- NUKU Int 3 M.M.
	i	Z			45	03°35'S., 142°10'E.
	i	Z			55	
7th	iP!	Z	03	24	26 C.	U.S.C.G.S. 5°S., 150½°E,
	i	Z			53	New Britain.h about 150
	iS	N		25	46	H = 03 23 42
	iP	Z	04	12	18	
	i	Z	10	55	42	
	eP!	Z	15	20	47	B.C.I.S. 5°S., 145½°E. Near N.E.
	i	Z			48	coast of New Guinea. H = 15 19.3
	i	Z		21	03	Felt:- Kaiapit Int 5 M.M.
	i	Z			46	06°15'S., 146°15'E.
	iP	Z	18	29	23	B.C.I.S. 5°S., 145½°E.
	iPP	Z			36.5	Near N.E. coast of New Guinea.
	iPPP	Z			42.3	H = 18 27 39.
	iS	Z		30	40.4	Felt:- Mumeng Int 4 M.M.
	iSS	N		31	03	07°00'S., 146°35'S.
	iSSS	N			14	Kaiapit Int 3 M.M.
						06°15'S., 146°15'E.
						Awelkon Int 2 M.M.
						05°40'S., 147°50'E.
						Saidor Int 2 - 3 M.M.
						05°35'S., 146°30'E.
8th.	iP!	Z	20	15	43 C.	
9th.	eP	Z	04	03	24	
	e	Z			30	
	iP	Z	05	44	23	
	e	Z	12	23	22	
	e	Z	15	52	51	
	e	Z		54	37	
	i	Z			50	
	i	Z			56	
10th.	iP!	Z	10	27	02 C.	Felt:- Londolovit Int 2 M.M.
						03°05'S., 152°40'E.
	iP!	Z	13	27	03 C.	
	iP!	Z	14	30	44 C.	Felt:- Londolovit Int 2 M.M.
						03°05'S., 152°40'E.

11th.	Not recording					
12th	Not recording					
13th	Not recording					
14th	iP	Z	15	01	28	
	i	Z		02	21	
	iP	Z	18	34	24	U.S.C.G.S. 12°N., 161½°E. Nuclear explosion Marshall Is. H = 18 29 59 B.C.I.S. 12°N., 161½°E. H = 18 30 00
15th	iP	Z	09	09	17 C.	Felt:- Londolovit Int 2 M.M. 03°05'S., 152°40'E.
	eiP	Z	11	34	06	U.S.C.G.S. 9°S., 150°E. Near E. coast of New Guinea H = 11 32 37 Mag. Mat 5¼-5½. Felt:- Esa'ala Int 3 M.M. 9°45'S., 140°50'E.
	iP	Z	11	39	37	
	i	Z		40	43	
	eP	Z	11	54	03	
	eP	Z	12	00	07	Felt:- Makawa Int3 M.M. 09°38'S., 149°58'E.
	i	Z			08	
	i	Z			15	Baniara Int 3 M.M. 09°45'S., 149°55'E.
	eP	Z	15	00	17:7	U.S.C.G.S. 18°S., 178½°W.
	iPP	Z		01	50	Fiji Is. h about 600
	e	Z		04	22	H = 14 54 37
	iS	N		04	48	Moskva h about 550
	eScS	N		09	49	H = 14 54 35 Mag. Mat 6½; Bsk 6.3:Pas 6¼;
	eP	Z	17	22	21	U.S.C.G.S. 9½°S., 150°E.
	iPP	Z			24	Near N coast of New Guinea
	iPPP	Z			32	H = 17 20 56 Mag. Mat 5¾.
	iS	N		23	26	
	iSS	N			37	
	iSSS	N			48	
	i	Z		24	32	
	e	Z		26	54	
	ePcP	Z		29.4		
	eP	Z	21	33	53	U.S.C.G.S. 9½°S., 150°E.
	i(PPP)	Z		34	12	Near N. coast of New Guinea.
	iS	Z			58	H = 21 32 23
	e	Z		39	04	Felt:- Fife Bay Int 2-3 M.M. 10°30'S., 150°00'E.
	eP	Z	21	44	18	
	i	Z			27	
16th	eP	Z	23	50	36	
	i	Z		52	35	

17th	iP	Z	18	19	36	C.
	iP	Z	19	12	48	U.S.C.G.S. 25°N., 142°E.
	eS	Z		17	44	Volcano Is. h about 60
						H = 19 06 43
						Moskva 24½°N., 141°E.
						J.M.A. Japon 24¼°N., 143°E.
						h about 200. H = 19 06 48
						Mag. Mat 6; Upp 6.6; Rey 6.5; Mos 5¾
18th	iP	Z	10	30	25	
	i	Z		33	05	
19th	iP	Z	05	27	25	U.S.C.G.S. 49½°N., 156°E.
						Kurile Is. H = 05 18 00
						Moskva 50°N., 155°E. H = 05 18 07
						J.M.A. Japon 50°N., 156°E.
						H = 05 18 00
						Mag. Mat 6-6¼; Bsk 6-6¼; Upp, Kir, 5.9; Rey 6½; Mos 5¾; Pas 6½.
	iP	Z	19	23	05	
20th	iP	Z	01	21	32	New Hebrides. H = 01 16.7
						Rather discordant data.
21st	e	Z	10	54	52	Felt:- Tari Int 2 M.M.
	e	Z		55	03	05°50'S., 143°E.
						Telefomin Int 2 M.M.
						05°10'S., 141°35'E.
22nd	Not recording					
23rd	eP	Z	05	21	06	U.S.C.G.S. 49°N., 102°E.
	ePPP	Z		25	15	Outer Mongolia H = 05 10 03
	iS	N		30	05	Moskva 49°N., 102½°E.
						H = 05 10 10 Mag. Mat 6½; Upp.Kir 5.7; Kew 6¼; Strasbourg 6¼; Mos 6.
	eP	Z	07	23	56	U.S.C.G.S. 15½°S, 168½° E.
	iS	N		27	49.5	New Hebrides H = 07 19 02
	eP	Z	18	59	05	U.S.C.G.S. 18°S., 178°W.
	eS	N	19	03	39	Fiji Is. h about 650
						H = 18 53 23
	eP	Z	19	23	25	U.S.C.G.S. 18°S., 178°W.
	i	Z			30	Fiji Is. h about 650
	ePcP	Z		25	54	Foreshock H = 19 17 43
	e	Z		26	56	
	eS	N		27	59	
24th	eP	Z	00	16	44.2	U.S.C.G.S. 8½°S., 112°E.
	ePP	Z		18	41	Near S coast of Java.
	ePcP	Z		18	49	h about 200
	ePPP	Z		19	03.7	H = 00 09 18
	e(S)	N		22	42.5	J.M.A. Japon H = 00 09 10
	eP	Z	15	19	22	
	i	Z			23	
	eP	Z	18	48	30	

25th.	iP	Z	09	38	23	U.S.C.G.S. 3°S., 144½°E.
	ePP	Z			31	Near N Coast of New Guinea
	ePPP	Z			38	H = 09 36 30
	iS	Z		39	50	Moskva H = 09 36 42
	iSS	N		40	02	Felt:- Chuave Int 2 M.M.
	iSSS	N		40	12	06°05'S., 145°10'E.
	iPcP	Z		45	07	Nuku Int 2 M.M.
						03°35'S., 142°10'E. Mag. Mat 6¾-7; Upp. Kir 6.9; Kew 6¾; Mos 7; Pas 6¼-6½; Strasbourg 7¼; Lwiro 6½.
	iP!	Z	12	44	26	U.S.C.G.S. 5°S., 152°E.
						H = 12 43 55
						New Britain.
						Felt:- Rabaul Int 4-5 M.M.
						04°10'S., 152°10'E.
						Pomio Int 4-5 M.M.
						05°32'S., 151°30'E.
						Warongoi Int 4-5 M.M.
						04°30'S., 152°20'E.
						Ulamona Int 3 M.M.
						05°00'S., 151°15'E.
26th	Confused by microseisms					
27th	iP	Z	04	03	44 D.	B.C.I.S. 2½°S., 127°½E.
						Moluccas H = 03 58.2
	eP	Z	18	13	20	
	i	Z			27	Discordant data.
	eP	Z	19	56	47	
	i	Z			49	
	i	Z		57	13	
	i	Z		58	23	
	eP	Z	20	12	21	Felt:- Wasu Int 3 M.M.
						06°00,S., 147°15'E.
28th	iP	Z	19	34	18	U.S.C.G.S. 12°N., 162°E.
						Marshall Is. Nuclear explosion
						H = 19 29 58
						B.C.I.S. 11½°N., 162°E.
						H = 19 30 00
29th	iP	Z	02	51	30	
	eP	Z	13	37	34	
	i	Z			38	
	iP	Z	15	13	49 C.	
	iP	Z	18	11	22	
30th	eP	Z	02	10	57	B.C.I.S. New Britain
	i	Z		11	02	H = 02 10.1
	i	Z		13.8		
	iP	Z	16	22	03	
	iP	Z	18	33	25	U.S.C.G.S. 31°N., 141½°E.
	iPP	Z			47	Sth of Honshu, Japan.
	iPPP	Z		35	09	H = 18 26 30
	eS	N		39	09	Moskva H = 18 26 19
						J.M.A. Japon 31½°N., 142°E.
						h about 60 H = 18 26 33

30th contd. Magnitudes from previous shock Mat. 6.1; Upp. Kir. 6.3; Mos 6¼; Pas 6¾; Strasbourg 6¼.

iP Z 19 36 37

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1st. July	eP	Z	07	27	33	
	i	Z			33½	
	i	N		28	16	
	iP	Z	11	01	49½	Dilatation
	iP	Z	16	35	30½	
	i	N			51½	
2nd July	iP!	Z	21	25	08½	Compression
	i	Z	21	26	42	Dilatation
3rd July	eP	Z	06	34	17	U.S.C.G.S. 28½°S., 179°E.
	i	Z			21	Kermadec Is. region
						h about 400 H = 06 27 44
						Bks 8 Mag. Pas. 6 Mag.
4th July	eP	Z	13	38	10	
	i	Z			28	
	iP!	Z	18	40	09½	Dilatation . U.S.C.G.S. 6°N., 125°E
	i	Z		41	08½	Near south coast of Mindanao P.I.
						H = 18 34 10
						Moskva H = 18 34 10
						J.M.A.Japon H = 18 34 00
						Mag. Roma 5.8; Strasbourg 5.8.
						Pra., Mat., Upp. 6. Que 6.3.
5th July	Nil recorded					
6th July	Nil recorded					
7th July	Nil recorded					
8th July	iP!	Z	05	37	43	Compression.
						Felt:- Ulamona Int 1 M.M.
						05°00'S., 151°15'E.
	iP	Z	10	58	41	
9th July	iP!	Z	10	46	03	Compression
	iP	Z	14	17	39	U.S.C.G.S. 5½°S., 151½°E.
						New Britain H = 14 16 59
	iP	Z	14	20	39	in coda
	iP!	Z	14	43	29	Compression
10th July	eP	Z	06	28	29.5	U.S.C.G.S. 58.6°N., 137.1°W
	ePP	Z		31	20.4	Southern Alaska. Several killed,
	ePPP	Z		33	32.3	moderate damage. H = 06 15 51.
	e(PSP)Z			40	18	B.C.I.S. 58°6°N., 137.1°W.
					*	H = 06 15 51.Moskva 56°N., 136°W.
	iP	Z	09	11	40	Felt :- Ulamona Int 1-2 M.M.
						05°00S., 151°15E.
					*	H = 06 15 47.
						Mag. Mat 8¼-8½; Upp,Kir. for
						SL7.8, for P7.2;Shl 8½; Mos 7¼;
						Pas 7¾-8; Pra 7¾;Bks 8; Tac7.8;
						Rey 8.2; Roma 7.8.
11th July	iP	Z	00	25	05	B.C.I.S. 5°S., 156°E. H = 00 22 00

11th July contd.	iP!	Z	06	14	52	Dilatation B.C.I.S. 5°S., 152½°E. New Britain. H = 06 14 30 Felt:- Ulamona Int. 2 M.M. 05°00S., 151°15'E.
	ePKP	Z	19	29	37	U.S.C.G.S. 21°S., 69°W.
	i	Z			52	Northern Chile H = 19 10 20
	i(PP)	Z		32	58.6	Mag. Mat 6¼-6½; Bks6¼; Upp.Kir.6.2;Tac 6.4;Kew 6.2; Rey 6.7; Pas 6½.
12th July	Not recording.					
13th July	eP	Z	12	07	31	U.S.C.G.S. 10°S., 161½°E. Solomons h about 100 H = 12 03 50. Mag. Mat5¼;Pas 5¼.
14th July	N.S.Component only.					
	eP	N	15	03	46	
	e	N		05	23	
15th July	i	N	13	05	17	
16th July	Nil recorded					
17th July	iP!	N	21	16	46½	
18th July	Nil recorded					
19th July	N.S. Component only					
	eP	N	06	33	34	U.S.C.G.S. 4°S., 138½°E.
	i	N			39	New Guinea h about 150 H = 06 30 19. Moskva h about 250 H = 06 30 20 Mag. Mat 6¼-6½, Upp,Kir 6.6; Kew 6½; Rom 6.3.
	eP	N	14	47	30½	
	eP	N	15	05	49½	U.S.C.G.S. 41°N., 143½°E. Near S.coast of Hokkaido,Japan. H = 14 57 24.Moskya H = 14 57 20 J.M.A. Japon 40.9°N., 143.9°E. H = 14 57 25. Mat 5.3; Kew 5¾; Mos 5½; Stras.5.3.
	eP	N	18	21	54½	U.S.C.G.S. 0°, 129½°E.
	eS	N		26	(12½)	Spice Is. H = 18 16 52 Moskva H = 18 16 52. Mag. Mat7; Upp.Kir.6.8; Kew 6¾; Mos 6¼; Pra 6¼; Rom 6½.
	eP	N	18	44	39½	
	eP	N	20	59	33	
	eP	N	22	19	08	U.S.C.G.S. ½°S., 129°E. Spice Is. aftershock. H = 22 14 01.

20th July N.S. Component only

iP	N	08	57	22	B.C.I.S. 5½°S., 153°E. New Britain region. H = 08 57.1
iP!	N	09	06	46	

21st July N.S.Component only

eP	N	07	33	47	U.S.C.G.S. 44½°N., 147½°E.
i	N		34	00	Kurile Is. H = 07 24 58
i	N		34	11	Moskva 44½°N., 148°E.
e	N		35	10	H = 07 25 03
					J M A Japon 43¾°N., 147½°E.
					h about 60, H = 07 25 08.
					Mag. Mat 6, Upp,Kir 5.9;Kew 6¼;
					Bks 6-6¼; Rom 6.15; Bratislava 6½.
e	N	14	47	34	

22ndJuly Strong Microseismic activity.

23rd July Strong Microseismic activity

24th July Strong Microseismic activity

25th July Vertical component only

eP	Z	17	55	40	U.S.C.G.S. 3½°N., 128½°E.
i	Z			45	Moluccas H = 17 50 15.

26th July

eP	Z	07	51	57	Felt:- Awelkon Int 1 M.M.
i	Z			58	05°40S., 147°50'E.
eP	Z	11	44	28	B.C.I.S. 6°S., 148½°E.
i	Z			29	New Guinea H = 11 43 21
					Felt:- Awelkon Int 3 M.M.
					05°40'S., 147°50'E.
iP	Z	17	55	12	
i	Z			14	
i	Z			27	
e(S)	N		57	46	
e	N			58	
e	N	18	04	16	
e	N		06	46	
e	Z		07	55	
e	N		11	10	
iP	Z	22	48	58	

27th July

iP	Z	08	31	46	

28th July Vertical component only.

iP	Z	01	23	39.5	Dilatation
iP	Z	03	19	04.2	
i(S)	Z			33.4	
iP	Z	17	30	38	U.S.C.G.S. 20°S., 177½°W.
eS	Z		35	25	Fiji Is. region h about 500
eScP	Z		36	07.5	H = 17 24 40
iP	Z	21	29	09.6	U.S.C.G.S. 20°S., 178½°W.
i	Z			24.7	Fiji Is. h about 650 H = 21 23 25
i	Z		30	11	

29th July	iP	Z	06	59	54	Dilatation
	e	Z	10	57	25	U.S.C.G.S. 20½°S., 175½°W. Tonga Is. H = 10 49 27 Mag. Mat 5¾-6.
	iP	Z	11	04	27	Dilatation
	ePKP	Z	21	57	36.4	U.S.C.G.S. 4°N., 26½°W.
	ePP	Z	22	03	28	H = 21 37 25
	ePcPPKP		..	06	13.4	B.C.I.S. H = 21 37 25 Moskva H = 21 37 22 Mag. Mat 5¾; Upp,Kir 6.2;Kew 6.1; Pra 5¼; Rom 5.5; Stras. 5.4.
30th July	eP	Z	04	48	03	U.S.C.G.S. 2½°S., 140°E.
	iPP	Z			09	New Guinea H = 04 44 53
	iPPP	Z			15.5	Moskva H = 04 44 55
	e(S)	Z		50	24.8	Mag. Mat 6-6¼; Upp,Kir 6.1, Kew 6, Rom 5.85, Stras. 5¾.

31st July Nil recorded.

Compiled by G.W.D'Addario.

Vertical Component only.

1st August.	eP	Z	05	43	48	U.S.C.G.S. 16°S., 176½W.
	i	Z		45	28	Fiji Is. region. h about 450
						H = 05 37 50
						Moskva H= 05 37 45
						h about 420. Mag. Mat 5¾-6,
						Bks 5¾ - 6, Stras. 5.8.
	iP	Z	16	56	07.7	Compression.
2nd August	Nil recorded					
3rd August	i	Z	00	17	37	
	eP	Z	01	12	27	U.S.C.G.S. 21½°S., 179°W.
	i	Z			29	Fiji Is. region h about 550
	i(S)	Z		17	37	H = 01 06 24 Moskva h about 580
						H = 01 06 25
4th August	iP	Z	04	18	09	U.S.C.G.S. 6°S., 130°E.
						Banda Sea. h about 150
						H = 04 13 19
						Moskva h about 160
						H = 04 13 22 Mag. Mat 6½-6¾;
						Pra 6½; Stras.6.
	iP	Z	13	34	27	U.S.C.G.S. 5½°S., 152½°E.
						New Britain region.
						H = 13 33 55.
5th August.	Strong microseismic activity.					
6th August.	i	Z	09	05	28	
	i	Z	09	50	29	
	ePKP	Z	10	09	48	
	ePKP	Z		12	26.2	U.S.C.G.S. 24½°S., 63°W.
						Salta Province, Argentina
						h about 550 H = 09 51 24
	e	Z	12	12	15	
	eP	Z	14	25	34	U.S.C.G.S. 10¼°S., 158°E.
	i	Z		26	14	Solomon Is. H = 14 23 25
	e	Z		27	08	B.C.I.S. H = 14 23 32
	eP	Z	21	16	15	U.S.C.G.S. 17°S., 173°W.
	i	Z			17	Tonga Is. H = 21 09 09
	ePP	Z		17	38	Moskva H = 21 09 15
	ePPP	Z			55	Mag. Mat 6¼-6½; Bks 6½;Mat 6¼;
	iPcP	Z		18	43.6	Upp,Kir 6.1; Kew 6¼; Pas 6¾,
	e(S)	Z		21	52.8	Streabourg. 6¼.
	eScP	Z		22	22	
7th August.	iP	Z	04	32	18	
	i	Z			19	
	i	Z			41	
	eP	Z	11	29	18	B.C.I.S. 3°S., 146°E.
	e	Z			41	H = 11 27 43
	iS	Z		30	15	

7th August contd.	iP	Z	22	13	29	
8th August.	iP	Z	07	43	52	Compression
	iP	Z	17	05	04	Compression.
9th August	iP	Z	04	46	47½	Compression
10th August.	iP!	Z	18	06	08.5	U.S.C.G.S. 3½°S., 151½°E Felt:- Rabaul Int 3 M.M. 04°10'S., 152°10'E. H = 18 05 54 Mag. Mat 5.8.
11th August	eP	Z	07	58	08	U.S.C.G.S. 18°S., 168½°E.
	i	Z			12	New Hebrides. H = 07 53 12
	i	Z			38	
12th August	eP	Z	19	30	48	U.S.C.G.S. 0°., 126½°E.
	ePP	Z		31	34	Molucca Passage
	ePPP	Z			46	H = 19 25 05
	e(S)	Z		34	13	Moskva H = 19 25 12
	PcP	Z		35	27	Mag. Mat 6½; Upp,Kir 6.4; Kew 6½; Pas 6½; Stras. 6½; Mos 6 and 1/3; Lwow 6.2.
	iP!	Z	23	12	48	U.S.C.G.S. 6°S., 152°E. Near coast of New Britain h about 100 H = 23 12 17 Moskva H = 23 12 10 Felt:- Rabaul Int 2 M.M. 04°10'S., 152°10'E. Pomio Int 2-3 M.M. 05°32S., 151°30'E. Karoola Int 1-2 M.M. 05°10'S., 154°35'E.
13th August	iP!	Z	00	12	07	U.S.C.G.S. 6°S., 152½°E. Near coast of New Britain H = 00 11 28
	iP	Z	03	56	17	U.S.C.G.S. Molucca Passage. H = 03 50 35 B.C.I.S. H = 03 50 34 Moskva H = 03 50 38 Mag. Mat5¾; Stras. 5.8.
	eiP	Z	10	03	25	U.S.C.G.S. 6°S., 153°E. Off coast of New Britain
	iP!	Z	18	58	10	Dilatation
	iP	Z	19	22	38	U.S.C.G.S. Solomon Is.
	i	Z		23	39	H = 19 21 21
	i	Z		24	41	
	iP!	Z	21	57	10	Compression
	iS	Z			30	U.S.C.G.S. 4½°S., 154°E. Solomons Is. region h about 200 H = 21 56 31 Felt:- Rabaul Int 2-3 M.M. 04°10'S., 152°10'E. Karoola Int 4 M.M. 05°10'S., 154°35'E. Warrongoi Int 3 M.M. 04°30'S., 152°20'E.

14th August.	iP	Z	15	05	32	U.S.C.G.S. 52°N., 175°W. Andreanof Is. Aleutian Is. H = 14 55 10 Moskva H = 14 55 05 Mag. Mat 6½-6¾; Upp, Kir. 6.4; Mos 6½; Pas 6½; Bks 6¼-6½; Tac 6.2; Stras 6¼; Lwow.6.0
15th August	iP!	Z	02	27	47	U.S.C.G.S. 6°S., 150½°E. New Britain H = 02 26 51 Felt:- Walindi Int 4 M.M. 05°25'S., 150°05'E. Kandrian Int 3-4 M.M. 06°00., 149°30'E. Mag. Mat 5½.
	iP!	Z	20	05	30	U.S.C.G.S. 53°N., 160½°E. Near east coast of Kamchatka h about 60 H = 19 55 39 Moskva 53½°N., 159½°E. H = 19 55 39 Mag. Pra 6.6; Mat6¾-7; Upp,Kir 6.8; Kew 6½; Mos 7; Pas 6¾; Bks 6¾; Tac 6.3.
	i	Z			35	
	iP	Z	22	34	55	Compression. Felt:- Rabaul Int 3 M.M. 04°10'S., 152°10'E.
16th August.	iP	Z	13	07	32	Strong microseismic activity. Dilatation.
	e(P)	Z	13	28	00	
	i	Z			09	
17th August	iP	Z	18	02	47	U.S.C.G.S. 3°S., 145½°E. Bismarck Sea. H = 18 01 05 Moskva H = 18 01 00 Mag. Mat 6¼-6½; Kew 6½; Mos 6, Pas 6¼-6½; Pra 6¾; Stras 6½-6¾.
	iPP	Z		03	02.4	
	eS	Z		04	07	
	eSS	Z		04	30.5	
	i	Z		05	48	
	i	Z	21	18	54	U.S.C.G.S. 35½°S., 179½°W Kermadec Is region H = 21 11 09 Mag Mat5¼-5½; Stras 5¾.
18th August	Strong microseismic activity.					
19th August.	iP	Z	04	51	23	U.S.C.G.S. 19°S., 175°E. Fiji Is. region H = 04 45 45 Mag. Mat 5½-5¾.
	iP	Z	11	15	00	
	i	Z			18	
	eiP	Z	21	49	16.5	U.S.C.G.S. 1°S., 149½°E New Ireland H = 21 48 07 Moskva H = 21 48 12 Mag. Mat 6¼-6½; Mos 5¼; Stras.6
	iP	Z			18.5	
	iS	Z		50	(05)	
	eP	Z	22	56	19½	U.S.C.G.S. 1°S., 149°E. New Ireland h about 100 H = 22 55 18

20th August.	eP	Z	03	44	13.5	U.S.C.G.S. 14°S., 167°E.
	ePP	Z			41.7	New Hebrides H = 03 40 07
	ePPP	Z		45	28.2	Mag. Mat 6¼-6½; Kew 6¼; Pas
	e(S)	Z		47	27	6¼-6½; Pra 6.0; Bks 6¼-6½;
	ePcP	Z		49	00.3	Lwow 6.0; Stras 6¼-6½;
	eP	Z	05	02	08	U.S.C.G.S. 1°S., 149°E.
	i	Z			10.5	New Ireland H = 05 00 10.5
	iP	Z	08	16	10	Compression
	i	Z			26	Felt:- Warrangoi Int 1 M.M.
						04°30'S., 152°20'E.
	iP	Z	22	49	08.5	U.S.C.G.S. 5°S., 149°E.
						New Britain h about 250
						H = 22 48 05
						Felt:- Kainantu Int 4 M.M.
						06°15'S., 145°55'E.
						Kundiawa Int 2 M.M.
						06°00'S., 145°00'E.
						Goroka Int 1-2 M.M.
						06°05'S., 145°25'E.
21st August	eP	Z	01	16	13	U.S.C.G.S. 24°S., 176°W.
						Tonga Is. region
						H = 01 09 00
						Mag. Mat 5½-5¾; Stras. 5¼-6.
	i	Z	04	46	01.5	
	i	Z			06	
	i	Z			21	
	eP	Z	19	18	41	Felt:- Warangoi Int 1 M.M.
						04°30'E., 152°20'E.
	iP	Z	21	05	39	U.S.C.G.S. 18°S., 176°W.
	i	Z		11	35	Fiji Is. region h about 250
						H = 20 59 10
						Moskva h about 260 H = 20 59 04
						Mag. Mat 5¾-6.
22nd August	i(P)	Z	10	01	06	U.S.C.G.S. 15°S., 167°E.
						New Hebrides h about 100
						H = 09 56 40
	iP	Z	22	17	28	Dilatation
	iS	Z			59	U.S.C.G.S. 5½°S., 150°E.
						Western New Britain
						h about 250 H = 22 16 48
						J.M.A.Japon h about 250
						H = 22 16 56
						Felt:- Port Moresby Int 2
						09°27'S., 147°11'E.
						Mag. Mat 5½-5¾.
23rd August.	eiP	Z	06	49	42	U.S.C.G.S. New Britain region
	i	Z			43	H = 06 49.0
	iP	Z	22	15	36	
	i	Z			38.5	
	i	Z			41.5	
	i	Z		16	38	
24th August	eP	Z	17	01	12	U.S.C.G.S. 14°N., 121°E.
	i	Z			15	Near coast of Luzon P.I.
	ePP	Z		03	01.6	h about 150 H = 16 54 25
	ePPP	Z			19.8	Moskva H = 16 54 25
	ePcP	Z			37	

25th August	Nil recorded					
26th August	iP	Z	12	24	50	U.S.C.G.S. 14°S., 167°E. New Hebrides foreshock H = 12 20 43 Mag. Mat 5¼-5½
	eP	Z	12	49	09.7	U.S.C.G.S. 14°S., 167°E. New Hebrides foreshock H = 12 45 02
	iP	Z	17	59	43	U.S.C.G.S. 14°S., 167°E. H = 17 55 34 H = 17 55 38 Moskva Mag. Mat 5½-5¾
	Strong microseismic activity.					
27th August	iP!	Z	15	00	10	Felt :- Rabaul Int 3 M.M. 04°10'S., 152°10'E.
28th August	i	Z	14	21	56.5	
29th August	iP	Z	04	04	29.4	Felt:- Pomio Int 2-3 05°32'S., 151°30'E.
	eP i	Z Z	12	28	33 40	U.S.C.G.S. 14½°S., 167°E. New Hebrides H = 12 24 23 Moskva H = 12 24 22 Mag. Mat 5½; Mos 5½; Pas 5¼-6; Stras 5.8.
	eP	Z	12	56	09	U.S.C.G.S. 14°S., 167°E. H = 12 51 58 New Hebrides
30th August	iP!	Z	14	32	09	Compression B.C.I.S. 5°S., 151½°E. New Britain region H = 60 14 31.5
31st August	e	Z	16	23	48	

Compiled by G.W.D'Addario

1st.	iP	Z	15	37	13	U.S.C.G.S. 38°N., 134½°E. Sea of Japan. h about 400 H = 15 29 31 J.M.A. Japon 37°9N., 134°8'E. h about 400 H = 15 29 34
	iP	Z	18	59	18	
2nd.	e(P)	Z	02	25	34	Solomons Felt:- Boku Int 5 M.M.
	i	Z			37	06°35'S., 155°20'E.
	iP	Z	02	3[illegible]	07	U.S.C.G.S. 10½°S., 164½°E.
	iS	Z		33	49	Santa Cruz Is. region H = 02 27 41
	eiP	Z	02	57	29	U.S.C.G.S. 6½°S., 155°E.
	i	Z			35	Solomons h about 100
	eS	Z		58	11.5	H = 02 56 34
	i	Z	13	48	33	
	iP!	Z	14	27	35	Dilatation
	e(S)	Z		29	05	U.S.C.G.S. 5½°N., 145½°E. Near North coast of New Guinea H = 14 25 37 Felt:- Chauve Int 4-5 M.M. 06°05'S., 145°10'E. Goroka Int 4 M.M. 06°05'S., 145°25'E. Kundiawa Int 5 M.M. 06°00'S., 145°00'E. Kainantu Int 4 M.M. 06°15'S., 145°50'E. Manam Int 4-5 M.M. 04°05'S., 145°E. Kerowagi Int 4 M.M. 05°50'S., 144°50'E. Aiome Int 4-5 M.M. 05°10'S., 144°45'E. Awelkon Int 2 M.M. 05°40'S., 147°50'E. Wau Int 1-2 M.M. 07°20'S., 146°45'E.
3rd.	eP	Z	08	18	43	U.S.C.G.S. 40½°N., 143°E.
	i	Z			44	Off N.E. coast of Hondo, Japan. h about 60 H = 08 10 26 Moskva H = 08 10 26 J.M.A. Japon 40°7N., 143°3'E. H = 08 10 21 Mag. Mat 6.4; Upp.Kir 6.2; Kew 6.2; Mos 6; Stras 6-6¼; Lwow 5.9.
	e	Z	10	56	16	
	i	Z			19	
	e	Z	13	45	21	
	i	Z			35	
	i	Z	16	57	38	
	e	Z		58	05	
	eP	Z	18	14	56	
	i	Z			58	
	e	Z	18	53	59	
	i	Z		54	11	
	i	Z			18	

3rd. Contd.

	e	Z	20	06	34	
	i	Z			44	
4th	eP	Z	12	26	22	
	e	Z	14	41	55	
	e	Z	15	17	01	
	i	Z		32	01	
	e	Z	15	42	55	
	i	Z		43	22	
	e	Z	16	46	53	
	e	Z	17	11	18	
	e	Z			41	
	e	Z	17	21	07	
	e	Z			29	
	e(P)	Z	18	55	59	
	i	Z		56	01	
	i	Z		58	15	
	e	Z	19	31	25	
	i	Z			30	
5th.	e	Z	19	24	(04)	
	i	Z			10	
	i	Z			22	
	e	Z			30	
6th.	i(P)	Z	14	04	06	
	i	Z			10	
	eP	Z	14	14	20	
	i	Z			25	
	i	Z		15	01	
	i	Z			06	
	eP	Z	17	36	23	
7th	e	Z	03	16	43	
	i	Z			55	
	iP	Z	04	38	22	
	e	Z		39	11	
	i	Z			24	
	eP	Z	04	41	00	Overlapping shcok
	i	Z			04	
	i	Z			58	
	i(P)	Z	09	07	44	
	i(S)	Z		08	50	
	eP	Z	14	11	36	
	i	Z			40	
	i(S)	Z		12	24	
	i	Z			41	
8th.	iP	Z	05	35	25.4	

U.S.C.G.S. 53½°N., 159°E
Near E.coast of Kamchatka
H = 05 25 37 Higher than usual

8th. continuation of previous shock.

Moskva 53½°N., 160°E.
H = 05 25 38 Mag. Upp,Kir 6.4
Kew 6¼; Mos 5½; Rom 6; Stras. 5.9;

	eP	Z	11	47	(03)
	i	Z			21
	e	Z	13	23	53
	i	Z		24	05
	i	Z			15
	i	Z			23
	i	Z			40
	iP	Z	14	03	08
	eP	Z	15	01	06
	iP	Z	15	15	49
	e	Z		23	27
	ei	Z			39
	eP	Z	15	33	31
	e	Z	16	21	53
	ei	Z			07
9th.	iP	Z	11	41	03
	i	Z			15
	e	Z	11	55	56
	e(P)	Z	13	50	53
	i	Z			58
	e	Z	16	24	34
	eP	Z	18	17	00
	i	Z			09
	i(S)	Z		18	05
10th	e	Z	12	53	(10)
	i	Z			23
	e	Z	14	24	06
	i	Z			09
	i	Z			31
	eP	Z	16	03	14
	i	Z			18
	i	Z		04	06
	i	Z			19
11th	eP	Z	07	38	14
	eP	Z	09	33	18
	e	Z	10	38	01
	i	Z			04

U.S.C.G.S. Santa Cruz Is. region
H = 13 58 19

U.S.C.G.S. 33½°N., 131 ½°E
Northern Kyushu, Japan
h about 60 H = 14 53 13
Moskva H = 14 53 15
J.M.A. Japon 33°8N., 131°9'E.
h about 80 H = 14 53 17
Mag. Mat 5.8

U.S.C.G.S. 46°N., 151°E.
Kurile Is. H = 11 32 05
J.M.A. Japon 46°N., 151°E.
h about 60 H = 11 32 14

11th Contd.						
	eP	Z	12	40	06	
	i	Z			11	
	i	Z		41	07	
	e(P)	Z	14	18	01	
	i	Z			06	
	i	Z			20	
	e(P)	Z	15	48	26	
	i	Z			35	
	iP	Z	15	50	32	Compression
	e	Z	16	18	04	
	i	Z			28	
	eP	Z	18	07	39	U.S.C.G.S $7\frac{1}{2}^{\circ}$N., $126\frac{1}{2}^{\circ}$E.,
	i	Z			57	Near E.coast of Mindanao P.I.
	ePP	Z		08	28	H = 18 01 44
	ePPP	Z			40	
	iPcP	Z		10	54	
	eS	Z		12	22	
12th	iP!	Z	09	55	32	Dilatation
	iP	Z	11	53	19	
			C.B.M.			
13th	iP	Z	03	38	36	B.C.I.S. 2°N., 122°E. H = 03 32.2
	eP	Z	14	46	27	
	i	Z			37	
14th	i	Z	12	22	06	Mag. Mat $6\frac{1}{2}$-$6\frac{3}{4}$; Upp, Kir 6.4; Kew 6.4; Pas $6\frac{1}{4}$-$6\frac{1}{2}$; Rom $6\frac{1}{2}$; Stras.6.6;
	iP	Z	14	32	26	U.S.C.G.S. 57°N., 121°E Stanovis Mountains region. Siberia. H = 14 21 37 Moskva $56\frac{1}{2}^{\circ}$N., $121\frac{1}{2}^{\circ}$E. H = 14 21 (42 Mag. Mat $6\frac{1}{2}$-$6\frac{3}{4}$; Kew 6.4 Rom. $6\frac{1}{2}$; Stras 6.6; Pas $6\frac{1}{4}$-$6\frac{1}{2}$.
	~~iP~~	~~Z~~	~~14~~	~~34~~	~~26~~	
	iP	Z	14	58	08	
	i	Z			22	
	iP	Z	15	08	16	
	eP	Z	17	00	(16)	
	i	Z			26	
	eP	Z	17	19	08	
	i	Z			34	
	i	Z			58	
	e(P)	Z	18	02	(11)	U.S.C.G.S. New Hebrides
	i	Z	18	13	06	H = 17 57 28
	iP	Z	19	49	54	U.S.C.G.S. 31°N., 133°E Off coast of Kyushu, Japan.

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15th.	i	Z	02	55	20	B.C.I.S. Fiji Is. region probably deep.
	eP	Z	16	55	41	U.S.C.G.S. 33°S., 179°W.
	i	Z			42	Kermadec Is. region
						H = 16 48 10
	e	Z	19	42	12	
	i	Z			42	
	eP	Z	19	51	26	U.S.C.G.S. 2½°N., 120½°E.
	i	Z			27	Celebes Sea h about 600
	ePcP	Z		53	53	H = 19 45 40
	eS	Z		55.9		Moskva h about 700
	e(ScS)	Z	20	00	30.7	H = 19 45 52 Mag. Upp,Kir 6.3; Kew 6.5; Pas 6-6¼; Tac6.1.
16th.	e(P)	Z	12	54	(59)	Vertical and N.S. component
	i	Z		55	07	only.
	i	Z	23	37	28	
	i	Z			33	
17th.	eiP	Z	04	53	58	
	i	Z	05	20	29	
	i	Z	12	33	24	
	eP	Z	14	44	46	
	i	Z		45	03	
	i(P)	Z	18	42	51	
18th.	iP	Z	06	53	58	U.S.C.G.S. 2½°S., 141°E.
						Near N.coast of New Guinea
						H = 06 51 09
						Felt:- Vanimo Int IV M.M.
						02°40'S., 151°20'E.
	iP!	Z	07	47	31	Compression
						Felt:- Rabaul Int II M.M.
						04°10'S., 152°10'E. Local
	iP	Z	07	58	56	Local
19th.	iP	Z	21	23	02	Strong microseismic activity.
						Felt:- Timbunki Int IV M.M.
						04°10'S., 144°25'E.
						Amgoram Int IV M.M.
						04°05'S., 144°05'E.
20th	i(P)	Z	08	03	10	
	i	Z			24	
	e(P)	Z	11	24	(06)	
	i	Z			08	
	iP	Z	17	10	29	U.S.C.G.S. 6½°S., 154½°E.
	i	Z			31	Solomon Is. H = 17 09 24
	i	Z		15	(58)	Mat. 6¼-6½; Upp,Kir 6.3; Mag.
	i	Z		17	(42)	Kew 6.4.
						Felt:- Boku Int VI M.M.
						06°35'S., 155°20'E.
						Sohano Int IV-V M.M.
						05°25'S., 154°40'E.

20th contd. continuation of previous shock.

Felt:- Karoola Int IV M.M.
05°10'S., 154°05'E.
Rabaul Int IV M.M.
04°10'S., 152°10'E.
Aropa Int III M.M.
06°25'S., 155°50'E.
Kieta Int III M.M.
06°15'S., 155°40'E.

	iP	Z	17	19	(40)	Confused in coda of
	i	Z			45	preceding shock.
	iP	Z	17	[illegible]	48	In coda of preceding
	i	Z		38	38	
	iP	Z	17	[illegible]	51	
	i	Z		45	(45)	
	iP!	Z	18	02	49	Dilatation
	iP!	Z	21	30	37	Dilatation
	eP	Z	22	14	(31)	
	i	Z			41	
	i	Z		15	36	
	i	Z			41	
21st	i(P)	Z	07	37	01	U.S.C.G.S. Molucca district H = 07 31.4
	iP	Z	11	16	01	
	iP	Z	15	16	10	
	i	Z			35	
	eiP	Z	22	22	55	
22nd	No records					
23rd.	iP!	Z	19	58	13	Dilatation Local Felt:- Rabaul IntII M.M. 04°10'S., 152°10'E.
24th.	iP	Z	02	10	47	
	i	Z		11	21	
	i	Z			42	
	iP	Z	08	34	53	
	i	Z		35	23	
	iP	Z	11	30	33	
	i	Z		31	15	
	iP!	Z	11	36	18	
	eP	Z	11	46	11	
	i	Z			20	
	iP	Z	11	55	27	
	iP!	Z	12	57	49	
	iP	Z	14	15	53	
	i	Z		16	11	
	i	Z			16	

24th Contd.	eP	Z	14	18	17	
	i	Z			27	
	i	Z		19	00	
	iP	Z	17	56	45	
	i	Z			47	
25th.	iP'	Z	07	40	17	U.S.C.G.S. 9°N., 39½°W.
	i	Z		41	20	Atlantic Ocean H = 07 20 01
	iP'	Z			32	Moskva H = 07 20 00
	iPP	Z		45	13	Mag. Jpp,Kir 6.7; Kew 6.6;
						Pas 6½; Bks 6¼-6½;Tac 6.3;
						Bratislava 6.8; Stras 6.4.
	iP!	Z	10	18	51	Local.
						Felt:- Rabaul Int II M.M.
						04°10'S., 152°10'E.
	iP	Z	12	42	25	
	i	Z			27	
26th	i	Z	06	31	26	
	i	Z			56	
	i	Z		33	00	
	iP	Z	11	39	25	U.S.C.G.S. Banda Sea
	i	Z			37	H = 11 34 24
	i	Z		40	10	
	i	Z	11	52	00	
	eP	Z	14	57	14	
	i	Z			19	
27th	eP	Z	10	41	53	
	e	Z		42	37	
	iP	Z	14	01	45	U.S.C.G.S. 15°S., 174°W.
						Samoa Is. region h about 150
						H = 13 55 02.B.C.I.S.H = 13 55 01
	iP	Z	22	07	11	
	i	Z			31	
28th	iP!	Z	12	50	50	Compression
						U.S.C.G.S. 5°S., 153½°E.
						New Britain region
						Felt:- Rabaul Int II M.M.
						04°10'S., 152°10'E.
	iP	Z	18	08	39	Deep?
	i	Z			40	
	i	Z		09	08	
29th	iP	Z	09	58	23	U.S.C.G.S. 4½°S., 130°E.
	eS	N	10	02	26	Banda Sea. H = 09 53 20
	iP!	Z	16	33	15	Compression
	i	Z			20	

30th.	i(P)	Z	03	17	(33)	Confused by microseisms
	iP	Z	07	14	06	U.S.C.G.S. $3\frac{1}{2}^{o}$N., 128^{o}E Molucca district H = 07 08 37
	iP	Z	15	23	21	
	i	Z			27	
	iP	Z	15	49	16	
	i	Z			34	
	iP:	Z	15	51	29	
	i	Z			43	
	iP	Z	16	05	51	
	i	Z			56	
	i	Z		06	20	
	i	Z		07	02	
	iP	Z	16	08	25	
	i	Z			30	
	i	Z			54	
	iP	Z	16	10	00	
	i	Z			08	
	iP	Z	16	14	03	
	e	Z			18	
	i	Z			22	
	i(P)	Z	16	15	50	
	i	Z		16	02	
	i	Z	18	25	44	

Compiled by G.W.D'Addario

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1st Oct.	iP	Z	09	38	59	U.S.C.G.S. 57°S., 147°E. Antartic Ocean. H = 09 29 43 S.W. of Macquarie Is. Mag. Mat 6¼-6½; Upp,Kir 6.2; Kew 6.4; Pas 6¼.
	iP	Z	12	05	48	Dilatation. U.S.C.G.S. 3°N., 125°E. Celebes Sea. H = 11 59 55
	iP	Z	17	53	10	U.S.C.G.S. 53°N., 165½°W. Fox Is. Aleutian Is. H = 17 47 15 Mag. Pas 6¼.
	i	Z			38	
	i	Z			52	
	eS	N	18	07	02½	
	iP	Z	22	03	06	Dilatation Deep
2nd. Oct.	iP!	Z	02	52	40	Compression
	iP	Z	09	15	15	
	i	Z			30	
	iP	Z	15	06	45	U.S.C.G.S. 7½°N., 127°E. Off E coast of Mindanao P.I. H = 15 00 50 Moskva H = 15 01 00 Mag. Mat 5¾-6.
	iPP	Z		07	34	
	iPPP	Z			46	
	iP	Z	18	37	01	
3rd. Oct.	iP	Z	00	40	16	Dilatation U.S.C.G.S. 13½°N., 120°E Philippine Is. region H = 00 33 07 Moskva H = 00 33 18
	iP!	Z	09	27	07	Compression Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E.
	iP	Z	11	05	33	Local
	i	Z			43	
	iP	Z	14	39	37	Dilatation
	i	Z			54	
	iP	Z	15	15	44	Compression Deep? Local
	iP!	Z	23	31	58	Compression Local
4th Oct.	iP	Z	00	51	40	Dilatation h about 100 U.S.C.G.S. 4½°S., 143½°E. New Guinea H = 00 49 36 Felt:- Angoram Int V M.M. 04°05'S., 144°05'E. Tari Int III M.M. 05°50'S., 143°00'E Kerowagi Int III M.M. 05°50'S., 144°50'E. Timbunki Int IV M.M. 04°10'S., 143°30'E. Lumi Int II M.M. 03°30'S., 141°55'E.
	iPP	Z		-	54	
	iPPP	Z		52	01	
	iS	N		53	16	

4th Oct. contd.						
	continuation of previous shock					Felt:- Kundiawa Int II M.M. 06°00'S., 145°00'E. Wewak Int II M.M. 03°35'S., 143°40'E. Aiome Int II M.M. 05°10'S., 144°45'E. Mendi Int I M.M. 06°10'S., 143°40'E. Lufa Int 1 M.M. 06°20'S., 145°15'E.
	eP	Z	11	38	58	U.S.C.G.S. 22½°N., 144½°E.
	e	Z		39	27	Mariana Is. region
	ePP	Z			56	H = 11 33 07
	ePPP	Z		40	08	B.C.I.S. H = 11 33 08
	eS	N		43	37	Moskva H = 11 34(00)
						Mag. Mat 5¼.
	eP	Z	18	13	46	U.S.C.G.S. 13½°S., 168°E.
	ePP	Z		14	01	New Hebrides. H = 18 09 33
	ePPP	Z			07	
	eS	N		17	05	
	eSS	N			28	
	iP	Z	19	43	12	Dilatation
	iP	Z	20	01	43	
	i	Z		02	06	
5th Oct.	iP	Z	06	12	14	Dilatation
	i	Z			20	U.S.C.G.S. 18½°N., 145½°E.
	ipP	Z			46	Mariana Is. H = 06 07 19
	iPP	Z			57	h about 200
	eS	N		16	18	
	iP	Z	11	37	28	
	i	Z			31	)
	i	Z			54	)
						)
6th Oct.	eP	Z	00	54	21	U.S.C.G.S. 32°S., 179½°E.
	i	Z			24	Kermadec Is. H = 00 47 20
	ipP	Z		55	19.5	h about 250
	iP	Z	19	02	56	U.S.C.G.S. 56°N., 163°E
	i	Z		03	04	Near E coast of Kamchatka
						H = 18 52 43
						Moskva 56°N., 163°E.
						H = 18 52 48
7th Oct.	iP!	Z	11	06	07	Felt:- Rabaul Int I M.M. 04°10'S., 152°10'E. Warangoi Int I M.M. 04°30'S., 152°20'E. Pomio Int I-II M.M. 05°32'S., 151°30'E
	iP!	Z	12	33	10	U.S.C.G.S. 5°S., 151½°E New Britain H = 12 32 40 B.C.I.S. 5¼°S., 151¾°E H = 12 32 38 Moskva H = 12 32 48 Mag. Pra 6¼; Upp,Kir 6.3; Kew 6.4; Bks 6¼-6½; Trieste 6¼; Mos 6¼; Que 6.6; Pas 6½-6¾.

7th Oct. continuation of previous shock contd.

Felt:- Rabaul Int IV - V.M.M.
04°10'S., 152°10'E.
Pomio Int IV-V M.M.
05°32'S., 151°30'E.
Karoola Int III M.M.
05°10'S., 154°35'E.
Warangoi Int IV - VM.M.
04°30'S., 152°20'E.

	iP!	Z	12	38	32	Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E. Warangoi Int I M.M. 04°30'S., 152°20'E. Ulamona Int II-III M.M 05°00'S., 151°15'E. Sohano Int II-III M.M. 05°27'S., 154°40'E. Pomio Int II M.M. 05°32'S., 151°30'E.
	N-S and E-W components only					
8th Oct.	ePg	N	14	02	08	U.S.C.G.S. 7°S., 155½°E Solomons H = 14 00 47 Mag. Mat 5¼.
	eP	N	14	26	11	U.S.C.G.S. 7°S., 156½°E Solomons H = 14 24(27)
	i	N			(15)	
9th Oct.	iP	Z	10	26	39	U.S.C.G.S. 14°N., 145½°E. Mariana Is. H = 10 22 08 Mag. Mat 5.
	iPP	Z			52	
10th Oct.	iP	Z	08	40	12	U.S.C.G.S. 53½°N., 160½°E. Near E coast of Kamchatka H = 08 30 26 h about 100 Moskva 53°N., 160½°E. H = 08 30 20 h about 50 Mag. Mat 6¼; Mos 6; Pas 6½.
	pP	Z			38.3	
	iPcP	Z			59	
	iP	Z	11	41	12	U.S.C.G.S. 5½°N., 127°E Off S coast of Mindanao P.I. H = 11 35 24 Moskva H = 11 35 30 Mag. Mat 5¼-5½.
	i	Z			26	
	iPP	Z			57	
	iP	Z	15	15	06	
	i	Z			07	
	i	Z			17	
	i(S)	N		16	13	
	i	Z			23	
	i	Z		17	18	
11th Oct.	iP	Z	02	10	31	U.S.C.G.S. 53°N., 159½°E. Near E coast of Kamchatka H = 02 00 40 Moskva H = 02 00 45
	eP'	Z	14	56	38	U.S.C.G.S. 23½°S., 65°W. Jujuy Province, Argentina H = 14 37 42 h about 200 Mag. Mat 5½; Pas 6.
	ePP	Z		59	13	
	e(PKS)	Z			50	

12th	iP	Z	12	49	52	U.S.C.G.S. 4½°S., 144°E.
	i	Z			53	Near N.coast of New Guinea
	iS	N		51	34	H = 12 47 42
	i	Z		53	23	Felt:- Angoram Int IV M.M.
						04°05'S., 144°05'E.
						Bogia Int III-IV M.M.
						04°15'S., 144°55'E.
						Mount Hagen Int III-IV
						05°40'S., 144°05'E.
						Tufi Int II-III M.M.
						09°05'S., 149°20'E.
						Lumi Int II M.M.
						03°30'S., 141°55'E.
						Aiome Int II-III M.M.
						05°10'S., 144°45'E.
						Mendi Int I-II M.M.
						06°10'S., 143°40'E.
						Aitape Int I - II M.M.
						03°10'S., 142°20'E.
						Kajapit Int II M.M.
						06°15'S., 146°15'E.
						Telefomin Int II M.M.
						05°10'S., 141°35'E.
						Kundiawa Int II M.M.
						06°00'S., 145°00,E.
						Goroka Int II M.M.
						06°05'S., 145°25'E.
	iP	Z	15	26	03	U.S.C.G.S. 27½°N., 125½°E.
	i	Z			22	E. China Sea h about 250
	e	Z			55	H = 15 18 42
	iPcP	Z		27	41½	Mag. Pas 6¾.
	iS	N		31	25	
13th	eiP	Z	02	56	(42)	Felt:- Boku Int I-II M.M.
						06°35'S., 155°20'E.
	eP	Z	09	10	40	U.S.C.G.S. 41½°N., 75°E.
						Kirghiz S.S.R.
						H = 08 58 10
						B.C.I.S. 40½°N., 75¾°E.
						H = 08 58 00
						Moskva H = 08 58 13
	i	Z	19	21	37	
14th	iP	Z	09	16	17	U.S.C.G.S. 52½°N., 159°E
						Near E coast of Kamchatka.
						H = 09 06 24
	e	Z	12	39	16	
	i	Z			24	
	i	Z			30	
15th	iP'	Z	15	31	19	B.C.I.S. 12.5°N., 60.6°W.
	i	Z			38	S. of the Lesser Antilles
						H = 15 11 50
	i(P)	Z	18	55	32	
16th.	iP	Z	02	47	51	Deep?
	iP!	Z	07	29	56	Dilatation
						B.C.I.S. Insufficient data.
						Felt:- Ulamona Int I-II M.M.
						05°00'S., 151°15'E.

16th Oct. contd.	eP	Z	18	05	47	U.S.C.G.S. 11°S., 167°E
	eS	Z		08	30	Santa Cruz Is.
						h about 100 H = 18 02' 01
	eP	Z	18	33	39	
17th Oct.	iP	Z	06	26	(25)	
	i	Z			32	
	i	Z		27	28	
	iP	Z	10	29	53	U.S.C.G.S. 19½°S., 177½°W
	i	Z		30	03	Fiji Is. h about 400
	i	Z			05	H = 10 23 56
	epP	Z		31	05	
	e(ScS)	N		38.8		
	i(P)	Z	14	54	49	
18th Oct.	iP	Z	00	28	06	Off N.E. coast of New Guinea
	i	Z			12	Felt:- Kajapit Int II-IIIM.M.
	iS	N		30	17.5	06°15'S., 146°15'E.
						H = 00 26.5
19th Oct.	eP	Z	11	50	23	U.S.C.G.S. 34½°S., 178°W
	i	Z			25	Kermadec Is. region
	i	Z			27	H = 11 42 42
						Moskva H = 11 42 39
20th Oct.	iP	Z	01	06	03	U.S.C.G.S. 52°N., 175°W.
	i	Z			29	Andreanof Is. Aleutian Is.
						H = 00 55 34
						Moskva H = 00 55 (44)
	iP	Z	01	20	06	U.S.C.G.S. 9½°S., 112½°E.
	iPcP	Z		22	00	Off S. coast of Java
	iScP	Z		25	43	h about 100 H = 01 12 30
	PcS	Z			53	Moskva h about 100
	iS	N		26	09	H = 01 12 43
	i	N			29	Mag. Mat 6½; Upp,Kir 6.6;
	i	N			36	Stras 6¼;Lwiro 5.9; Pas 6½;
						Que 6.7
	iP!	Z	03	21	23	Compression
	iP	Z	15	31	22	
	i	Z			33	
	i	Z			51	
21stOct	iP!	Z	06	16	30	Dilatation
	iS	N		17	34	U.S.C.G.S. 5½°S., 147°E
	e	N		19	51	Near N.E. coast of
	e	N		21	52	New Guinea, H = 06 14 50
	e	N		55.3		Moskva H = 06 15 10
						Mag. Mat 6½.
						Felt:- Lae Int V M.M.
						06°35'S., 147°E
						Kajapit Int IV-V M.M.
						06°15'S., 146°15'E.
						Boganda Int III-IVM.M
						05°50'S., 146°E
						Awelkon Int III M.M.
						05°40'S., 147°50'E.
						Mumeng Int III M.M.
						07°00'S., 146°35'E.

21st Oct. contd. continuation of previous shook.

Felt:- Finshhafen Int II M.M.
06°35'S., 147°50'E.
Mt Hagen Int II M.M.
05°50'S., 144°15'E.
Saidor Int II M.M.
05°35'S., 146°30'E.
Goroka Int II M.M.
06°05'S., 145°25'E.
Kundiawa Int II M.M.
06°00'S., 145°00'E.
Wau Int I M.M.
07°20'S., 146°45'E.

	eP	Z	15	48	32	U.S.C.G.S. 11°S., 111°E.
	e	Z			59	S. of Java
	ePcP	Z		50	29	H = 15 40 40
						Moskva H = 15 40 44
						Mag. Mat6½; Que 6.3.
	eP	Z	17	40	00	U.S.C.G.S. 29°S., 179°W.
	i	Z			24	Kermadec Is.
	ePcP	Z		41	35	H = 17 32 45
	i	Z		42	15	
	eP	Z	18	49	23	U.S.C.G.S. 6°S., 154½°E
	i	Z			29	Solomons Is. H = 18 48 38
	iS	N		50	01	Felt:- Esa'ala, Int III-IV MM
						09°45'S., 150°50'E.
	eP	Z	19	00	49	
	i	Z			55	
	iS	N		01	27	
22nd Oct.	eP	Z	23	47	12	
23rd.Oct.	iP	Z	19	22	04	Deep?
24th Oct.	iP	Z	15	52	15	B.C.I.S. Sth Pacific
	i	Z			29	insufficient data.
	eP	Z	18	20	47	
	i(P)	Z	18	21	51	
	iP	Z	21	18	55	U.S.C.G.S. 0°, 125°E.
	i	Z		19	21	Molucca Passage
						H = 21 13 06
						Moskva H = 21 13 14
25th. Oct.	eP	Z	09	18	39	New Britain region.
	i	Z			44	B.C.I.S. H = 09 18.7
	iS	N		19	49	
	iP	Z	12	36	51	
	i	Z			56	
	i	Z		37	59	

26th Oct. Strong microseismic activity

27th Oct. Strong microseismic activity

28th Oct.	eP	Z	10	58	03	U.S.C.G.S. 30½°N., 85°E South of Tibet H = 10 46 27 Moskva H = 10 46 37 Shillong 31°N., 85°E. H = 10 46 25 Mag. Upp,Kir 6.4; Shl 6½-6¾; Mos 6¼;Rom 6.4; Stras 6.3.
	iPn!	Z	13	42	36	Dilatation
	iPn!	Z	14	18	09	Dilatation Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E.
	iPn!	Z	18	18	30	Compression U.S.C.G.S. 4½°S., 153½°E. New Britain-Solomon Is. region H = 18 18 03 Felt:- Rabaul Int III M.M. 04°10'S., 152°10'E
	iP!	Z	22	59	36	Compression. Felt:- Rabaul Int 1 M.M. 04°10'S., 152°10'E.
29th Oct.	eP	Z	07	54	17	U.S.C.G.S. 51½°N., 179½°E. Andreanof Is. Aleutian Is. H = 07 44 10 Moskva 50°N., 180°E H = 07 44 07 Mag. Upp,Kir6.6; Mos 7; Pas 6¼; Que 6½-6¾; Bks 6½; Rom 6½; Lwiro 6½-6¾; Stras 6.6.
30th Oct.	iP!	Z	09	38	35	Compression Deep?
	iP	Z	10	11	53	U.S.C.G.S. 20½°S., 176°W. Tonga Is. H = 10 05 00
31st Oct.	iP	Z	19	04	40	U.S.C.G.S. 3½°S., 143½°E New Guinea H = 19 02 54 Moskva H = 19 03 (00) Mag. Mat5¾; Kew 6.
	iPP	Z			43	
	i	Z		05	34	
	iLQ	N		06	12	
	eS	N			26	
	e	Z		07	06	
	iP	Z	23	47	03	U.S.C.G.S. 25°N., 122½°E Near N. Coast of Formosa H = 23 39 27 H about 100 Moskva H = 23 39 (36)

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N-S and Vertical Components only.

1st Nov.	iP	Z	03	39	11	U.S.C.G.S. 3°S., 150° E.
	i	Z		39	12	Bismarck Sea H = 03 38 35
						Moskva H = 03 38 36
						Felt:-Kayieng Int IV M.M.
						02°35'S., 150°50'E.
						Mag. Mat 6¾-7; Upp,Kir 6.3;
						Pas 6¼-6½; Stras.6.3
	iP	Z	05	58	31	
	iP	Z	06	05	37	
	iP	Z	06	08	29	U.S.C.G.S. 3½°S., 145½°E.
						Off N.Coast of New Guinea.
						H = 06 06 47
						Moskva H = 06 06 50
	iP	Z	06	17	35	U.S.C.G.S. Off N. Coast of
						New Guinea H = 06 15 54
						after shock of iP 06 08.
	e	Z	08	03	24	
	i	Z			40	
	iP	Z	08	23	(19)	Off E Coast of New Guinea
						B.C.I.S. 7½°S., 148°E.
						H = 08 21.7
	eP	Z	12	13	06	U.S.C.G.S. 17½°S., 168°E.
						New Hebrides. H = 12 08 21
						foreshock of eP 12 21
	eP	Z	12	20	23	U.S.C.G.S. 17½°S., 169°E
	i	Z			27	New Hebrides H = 12 15 43
	e	Z			35	foreshock of eP 12 21
	e	Z	12	21	20	U.S.C.G.S. 17½°S., 168°E,
						New Hebrides H = 12 16 36
						Moskva H = 12 16 37 Mag.
						Mat. 6¼-6½; Kew 6.2; Stras 6.2;
						Pas 6-6½; Pra 7¼.
	iP	Z	12	33	55	New Hebrides aftershock of
						eP 12 21
						B.C.I.S. H = 12 29 11
	e(P)	Z	15	54	04	
	eP	Z	15	54	52	U.S.C.G.S. 17½°S., 168°E
	i	Z			55	New Hebrides, aftershock of
						eP 12 21
	e	Z	17	33	48	U.S.C.G.S. 15½°S., 169°E
						New Hebrides H = 17 25 45
	e(P)	Z	18	05	59	B.C.I.S. 16°S., 168°E
						New Hebrides H = 18 01.0
	e(P)	Z	19	30	54	
	i	Z		31	01	
	iP	Z	19	33	15	U.S.C.G.S. 18°S., 168½°E.
						New Hebrides H = 19 26 09
						aftershock of eP 12 21
	e	Z	21	33	31	B.C.I.S. New Hebrides H = 21 28 48

1st Nov. contd						
	e	Z	21	54	11	
	e	Z	23	33	(51)	
2nd Nov.	Nil					
3rd. Nov.	iP	Z	14	43	09	U.S.C.G.S. 30°N., 84½°E. Tibet H = 14 31 35 B.C.I.S. 30°N., 84°E H = 14 31 37 Moskva H = 14 31 20 Quetta 30½°N., 84½°E H = 14 31 39 Shillong 31°N., 85°E H = 14 31 30 Mag. Kew 5¾.
4th Nov.	iP!	Z	00	25	44	Dilatation
	iPP	Z			48	U.S.C.G.S. 6°S., 147½°E.
	iS	N		26	45	Near N.Coast of New Guinea. H = 00 24 24 Felt:- Finschhafen Int II M.M. 06°35'S., 147°50'E. Okapa Int II-III M.M. 06°10'S., 145°05°E. Kajapit Int I-II M.M. 06°15'S., 146°15'E.
	iP	Z	08	35	10	U.S.C.G.S. 28°N., 140½°E. Bonin Is. region H = 08 28 28 Moskva H = 08 28 30 J.M.A. Japon 28¼°N., 141°E. h about 60 H = 08 28 36 Mag. Pra 5¾; Mat 5.7; Stras 6.1.
	iP	Z	08	37	42	U.S.C.G.S. 28°N., 141°E. Bonin Is. region H = 08 31 00 B.C.I.S. H = 08 30 59 J.M.A. Japon 28½°N., 141°E. H = 08 31 06 Mag. Mat 5.8; Upp, Kir 6.0; Kew 6.0; Pra 5¾. aftershock of 08 35 10
	iP!	Z	18	33	45	Compression
	eP	Z	19	58	53	U.S.C.G.S. 11°S., 166°E.
	eS	N	20	04	33	Santa Cruz Is. H = 19 55 11
	eP	Z	23	07	42	U.S.C.G.S. 50°S., 115°W. South Pacific Ocean. H = 22 54 46 Mag. Mat 6; Kew 6.2; Stras 6.2; Pas 6.
	eP	Z	23	39	32	U.S.C.G.S. 17½°S., 168°E. New Hebrides H = 23 34 50 aftershock of 12 21 20 1st Nov., 1958.
5th Nov.	Strong microseismic activity Nil.					
6th Nov.	iP	Z	15	35	03	U.S.C.G.S. 6°S., 128°E. Banda Sea. h about 250 H = 15 30 06

6th Nov. contd.	iP	Z	23	06	51	U.S.C.G.S. 44½°N., 148½°E.
	i	Z		07	13	Kurile Is. h about 60.
	iPcS	Z		12	(03)	H = 22 58 06
	iPPS	Z		14.0		B.C.I.S. 44.5°N., 148.5°E
	eLQ	N		18.0		H = 22 58 07
	eLR	Z		20.1		Moskva 44½°N., 149½°E.
	eM	Z		25.5		H = 22 58 05
						J.M.A. Japon 44.3°N., 148.5°E.
						h about 100 H = 22 58 11
						Shillong 44°N., 146°E.
						H = 22 58 15 Mag. Pra 8.3;
						Mat 8.0; Upp,Kir 8.0; Kew 8.1;
						Shl 7¾; Mos 8.0; Pas 8-8½;
						Bks 8-8½; Tac 8.0; Stras 8.7;
						Wien 8-8½; Lwiro 8.0; Rom 8.0.
7th Nov.	iP	Z	01	51	45	U.S.C.G.S. 44½°N., 149°E
						Kurile Is, H = 01 42(56)
						h about 60.
						Japon 44°N., 149°E. h about 100
						H = 01 43 07.
						Moskva H = 01 43 (02)
						Mag. Mat 5.5 confused by micro-seisms.
	i	Z	02	19	14	
	i	Z	07	49	23	U.S.C.G.S. 44½°N., 149½°E
	i	Z			33	Kurile Is. H = 07 40 36
	i	Z			43	B.C.I.S. H = 07 40 41
	iScP	Z		54	15	Moskva H = 07 40 44
						J.M.A. Japon 43.7°N., 148.7°E.
						h about 100 H = 07 40 47
						aftershock of 23 06 51
						confused by microseisms.
						Mag. Mat 6; Kew 6.1; Pra 5¾.
	eP	Z	11	33	04	U.S.C.G.S. 44½°N., 149½°E
						Kurile Is. h about 60 H = 11 24 25
						J.M.A. Japon 44°N., 148¾°E
						h about 100 H = 11 24 31
						Mag. Upp,Kir 5.9; Que 6.3; Kew 6.0
	iP	Z	17	41	26	U.S.C.G.S. 44°N., 148½°E
						Kurile Is. H = 17 32 48
						Moskva H = 17 32 46
						J.M.A. Japon 43.8°N., 148.2°E.
						h about 60 H = 17 32 49
						after shock of 23 06 51
						6th Nov., 1958
						Mag. Upp,Kir 5.5; Kew 5.8.
8th Nov.	iP	Z	09	32	36	U.S.C.G.S. 52°N., 159½°E
	iPcP	Z		33	33	Off S.E. coast of Kamchatka
	ScP	Z		37	32	H = 09 22 53
						Moskva 52°N., 160½°E
						H = 09 22 55 Mag. Mat 6¼-6½;
						Mos 6½; Que 6.8; Pra 6½;
						Stras 6.2;
9th Nov.	Nil recorded					
10th Nov.	Nil recorded					
11th Nov.	e	Z	15	45	49	
	eP	Z	15	57	21	
	iP	Z			33	

11th Nov. contd.	iP	Z	17	38	15	Deep:	
12th Nov.	iP!	Z	09	46	50	Dilatation. B.C.I.S. New Britain, Solomon Is. H = 09 46.3 Mag Mat 5½. Felt:- Boku Int IV M.M. 06°35'S., 155°20'E Rabaul Int II M.M. 04°10'S., 152°10'E. Kieta Int III M.M. 06°15'S., 155°40'E.	
	iP	Z	10	40	51	U.S.C.G.S. 7°S., 156°E	
	i	Z			54	h about 100 H = 10 39 47	
	i	Z			58	Solomon Is. Felt:- Rabaul Int I M.M. 04°10'S., 152°10'E.	
	eP	Z	20	32	11	U.S.C.G.S. 44½°N., 148½°E	
	i	Z			12	Kurile Is. H = 20 23 26	
	i	Z		33	12	B.C.I.S. 44½°N., 148½°E.	
	iPcP	Z			21	h about 33 H = 20 23 32	
	iPP	Z		34	30	Moskva H = 20 23 35	
	iPPP	ZN			52	J.M.A. Japon 44°N., 148¾°E	
	eiS	N		39	33	h about 60 H = 20 23 32	
	e	Z		39.8		Mag. Mat 6.7; Upp,Kir 7.0;	
	e	N		45.5		Kew 7-7½; Mos 7¼; Tas 6¾-7;	
	e	Z	21	03.3		Que 7-7½; Bks 7-7½.	
13th Nov.	iP	Z	03	05	10	U.S.C.G.S. 44°N., 148½°E. Kurile Is aftershock H = 02 56 26 Moskva H = 02 56 37 J.M.A. Japon 43½°N., 148½°E. h about 80 H = 02 56 34 Mag. Mat 5.2;Upp,Kir 5.8; Kew 6.0; Mos5½;	
	iP	Z	04	13	22	U.S.C.G.S. 44½°N., 148°E	
	i	Z			30	Kurile Is. aftershock H = 04 04 37. Moskva 44½°N., 148.2°E H = 04 04 44 J.M.A. Japon 43.6N., 148.2°E H = 04 04 44 Mag. Ira 6.2; Mat 5.8; Wel 6.4; Upp, Kir 5.9; Que 6.7; Stras 6.1	
	iP!	Z	12	39	24	Compression	
	iS	N		40	13	U.S.C.G.S. Solomon Is. Felt:- Warangoi Int III M.M. 04°30'S., 152°20'E. Rabaul Int I M.M. 04°10'S., 152°10'E.	
	iP	Z	16	26	36	U.S.C.G.S. 9°N., 93½°E	
	i	Z			37	Nicobar Is. H = 16 16 25	
	iPcP	Z			47	Shillong 8°N., 94½°E.	
	i	N		27	22	Mag. Mat 5½.	
					38		
14th Nov.	i	Z	03	28	10		
	iP	Z	05	43	38	U.S.C.G.S. 44°N., 149°E. Kurile Is. aftershock H = 05 34 53	

...uation of previous shock

contd

						Moskva H = 05 34 54 J.M.A. Japon 44°N., 149°E h about 70 H = 05 34 56 Mag. Mat 5.8, Pra 5.9; Kew 5.8, Upp,Kir 5.7; Mos 5¾; Stras 6.0.
	iP	Z	13	53	07	U.S.C.G.S 6°S., 131°E Banda Sea. H = 13 48 20 Moskva h about 100 H = 13 48 33 Shillong 6½°S., 133°E. H = 13 48 38 Mag. Mat 6½-6¾; Kew 6.2; Stras 6.0; Que 6.9
	eS	N		57	00	
15th Nov.	iP	Z	09	09	31	U.S.C.G.S. 44°N., 149°E Kurile Is. H = 09 00 45 Moskva 45°N., 148½°E H = 09 00 55 J.M.A. Japon 43¾°N., 148¾°E h about 70; H = 09 00 53 Mag. Mat 6.2; Kew 6¼; Wel 6.4; Stras 6.0; Pas 6½-6¾; Pra 6.2.
	ipP	Z			52	
16th Nov.	iP	Z	17	52	02	U.S.C.G.S. 16°S., 172°W Samoa Is. region H = 17 44 48 Mag. Mat 6-6¼; Kew 6¼; Wel 6.2; Pas 6¼.
	eP	Z	18	07	35	U.S.C.G.S. 20°S., 169°E Loyalty Is. H = 18 02 25 Mag. Mat 5½-5¾; Wel 5.7
	iPn	Z	19	25	05	
	i!	Z			06	B.C.I.S. 6°S., 152½°E New Britain region H = 19 24.6
	iP	Z	21	52	08	U.S.C.G.S. 28°N., 139½°E h about 500 H = 21 46 00 J.M.A. Japon 28½°N., 139¾°E h about 500 H = 21 46 08 Mag. Mat 5.6.
	ipP	Z		53	45	
17th Nov.	eP	Z	09	49	21	U.S.C.G.S. 10½°S., 162½°E Solomon Is. H = 09 46 30 Moskva H = 09 46.4 Mag. Mat 6-6¼; Wel 5.8.
	i	Z			23	
	iS	N		51	36	
	eP	Z	18	50	02	U.S.C.G.S. 20½°S., 169°E New Hebrides H = 18 44 49 Mag. Mat 5-5¼; Wel 5.4;
18th Nov	Nil recorded					
19th Nov.	iP	Z	09	32	30	U.S.C.G.S 44°N., 149°E Kurile Is. h about 60 H = 09 23 51 Moskva 44°N., 149°E H = 09 23 50 J.M.A. Japon 43.8°N., 149°1 E. h about 100 H = 09 23 51 Mag. Mat 5; Kew 6; Mos 5¾; Pra 6; Stras 6.
	ipP	Z			55	
	iP	Z	15	14	10	U.S.C.G.S. 60½°N., 150½°W Kenai Peninsula - Naska
	iPcP	Z			31	

19th Nov. contd.	continuation of previous shcok.					
						h about 60 H = 15 02 15 Moskva H = 15 02 17
20th Nov.	e	Z	05	46	21	U.S.C.G.S. 52°N., 159½°E. Near E coast of Kamchatka. H = 05 36 33 B.C.I.S. 52°N., 158½°E. H = 05 36 31 Moskva 51½°N., 160°E H = 05 36 30 Mag. Mat 6; Kew 6; Mos 5¾; Pra 6; Stras 6.
	iP!	Z	10	22	58	U.S.C.G.S. Felt:- Rabaul Int I M.M. 04°10'S., 152°10'E.
	iP	Z	14	26	50	U.S.C.G.S. 45°N., 149½°E Kurile Is. aftershcok H = 14 18 04 Moskva H = 14 18 13 J.M.A. Japon 44.2°N., 149.9°E h about 80 H = 14 18 07 Mag. Kew 6.1
21st Nov.	iP! i iS	Z N N	23	34	07 09 35	Dilatation U.S.C.G.S. 6°S., 151½°E. h about 60 H = 23 33 36
22nd Nov	iP eS	Z N	00	11 18	58 05	U.S.C.G.S. 10½°S., 112½°E South of Java H = 00 04 20 Moskva H = 00 04 25 Mag. Mat 5.7; Wel5.8.
	iP iS	Z N	02	01 05	41 31.4	U.S.C.G.S. 4°S., 131½°E. Ceram Is. region H = 01 56 56 Moskva H = 01 57 02 Mag. Wel 6.0
23rd. Nov.	iP	Z	01	10	36	
24th Nov.	Nil recorded					
25th Nov.	- strong microseismic activity					
26th Nov	No record					
27th Nov	Nil recorded					
28th Nov.	Nil recorded					
29th Nov.	eP	Z	04	53	53	U.S.C.G.S. 2.8°S., 177½°W Kermadec region H = 04 46 36
	eP	Z	06	06	13	
	iPg!	Z	21	11	55	U.S.C.G.S. 5°S., 152½°E. New Britain region H = 21 11.6 Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E.

29th Nov. contd. continuation of previous shock.

Felt:- Warongoi Int III M.M.
04°30'S., 152°20'E.
Gavit Int I-II M.M.
04°13'S., 151°40'E.

30th Nov.	iP	Z	01	39	58	U.S.C.G.S. 32°N., 142½°E.
						South of Honshu, Japan
						H = 01 32 41
						Moskva H = 01 32 42
						J.M.A. Japon 32½°N., 142½°E
						h about 160 H = 01 32 49
						Shillong 32½°N., 142°E
						H = 01 32 51
						Mag. Mat 5¾; Upp,Kir 6.5; Wel 6;
						Pas 6, Stras 6; Lwow 5¾.
	iP	Z	05	48	53	
	i	Z			59	
	iS	N		50	00	

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1st Dec.	iP	Z	01	47	16	
	i	Z			32	
	i	N			43	
	i(S)	N		48	38	
2nd Dec.	iP!	Z	21	02	58	
	iP!	Z	21	17	21	
	iS	N		18	08	
3rd Dec.	eP	Z	09	55	49	U.S.C.G.S. 19°N., 121½°E
	i	Z			52	Near N.coast of Luzon, P.I.
						H = 09 48 26
						Moskva H = 09 48 35
						J.M.A.Japon H = 09 48 48
						Mag. Mat 5¾; Upp,Kir 6.0;
						Kew 6¼; Que 6.3
	iP	Z	13	25	31	
	i	Z	16	07	12	U.S.C.G.S. 29°N., 138½°E
						South of Honshu, Japan
						J.M.A. Japon 29°N., 138½°E
						h about 550 H = 16 00 58
						h about 500 H = 16 01 01
4th Dec.	iP!	Z	10	30	27	
	iP	Z	17	16	25	
5th Dec.	iP!	Z	02	21	42	
	iP	Z	16	40	23	
	i(S)	Z		41	11	
6th Dec.	Nil recorded					
7th Dec.	iP	Z	01	51	26	U.S.C.G.S. 21½°N., 121½°E
						Off S coast of Formosa
						H = 01 43 51
	iP	Z	02	51	33	U.S.C.G.S. 4°N., 127°E
	i	Z		52	13	Talaud Is.
						H = 02 45 49
	iP	Z	06	22	57	U.S.C.G.S. Bismarck Sea
	iS	N		23	51.4	H = 06 21 46
	iLQ	N			55	
	i	N		24	06	
	e	N			44	
	e	N		25	20	
	iP!	Z	10	11	56	
	i(S)	Z		12	14	
	iP!	Z	10	36	54	Felt:- Rabaul Int I M.M.
	i(S)	Z		37	08	04°10'S., 152°10'E.
						Warangoi Int I M.M.
						04°30'S., 152°20'E.
	e	Z	15	56	51	
	i	Z		57	19	

8th Dec.	Nil recorded					
9th Dec.	iP	Z	00	47	05	
	i	Z			13	
	i	Z			16	
	eS	N			48	
	eL	N		48	14	
	iP	Z	00	53	15	
	i	Z			16	
	i	Z			22	
	i	Z			30	
	i	Z			31	
	i	Z			33	
	iS	N			55	
	i	N		54	10	
	iL	N			19	
	eT	N		56.2		
	iP	Z	01	12	13	
	i!	Z			15	
	i(S)	Z			39	
	e(P)	Z	12	22	08	U.S.C.G.S. 14½°S., 167°E
	i	Z			18	New Hebrides Is. H = 12 17 47
	iPPP	Z			44	
	iS	N		29	56	
	iP	Z	15	28	29	
	i(S)	Z			53	
	iP	Z	16	28	45	
	i(S)	Z		29	08	
	iP	Z	16	43	23	
	i	Z			25	
	i(P)!	Z	16	45.3		
	i(P)!	Z	16	46.8		
	i(P)!	Z	16	48.9		multiple shock.
	iP	Z	17	43	24	
	iP	Z	20	08	53	
	i	Z			57	
	i	Z		09	14	
	i	Z			20	
10th Dec.	iP!	Z	07	10	09	U.S.C.G.S. 37°S., 176½°E
	ipP	Z		11	19.5	Off North Is. New Zealand.
	iPcP	Z		12	10	h about 300 H = 07 02 59
	i	Z			44	Mag. Mat 6¾; Bks 6½-6¾;
	i	Z		14	38	Pas 6¾.
	iS	N		15	53	
	iP	Z	14	44	40	U.S.C.G.S. 5°N., 126°E
	epP	Z		45	26	Off South coast of Mindanao
	i	Z			29	P.I. h about 200
						H = 14 39 00
	iP	Z	21	54	08	
11th Dec.	iP	Z	13	45	36	Deep
	iP	Z	18	45	19	U.S.C.G.S. 29½°N., 140°E.
	i	Z			29	

11th Dec. contd.

continuation of previous shock.

South of Honshu, Japan.
H = 18 38 08

12th Dec. Nil recorded

13th Dec.	iP	Z	09	06	39	U.S.C.G.S. 4½°S., 153½°E. New Britain H = 09 06 09 Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E.
	iP!	Z	14	03	39	Felt := Rabaul Int I M.M. 04°10'S., 152°10'E.
	iP!	Z	15	26	28	Felt:- Rabaul Int I M.M. 04°10'S., 152°10'E.
14th Dec.	Nil Recorded					
15th Dec.	Nil Recorded					
16th Dec.	iP!	Z	17	20	57	
17th Dec.	iP	Z	15	41	59	U.S.C.G.S. 27½°N., 128°E Ryukyu Is. H = 15 34 08
	iP!	Z	20	34	26	U.S.C.G.S. 4½°S., 153½°E New Ireland region. H = 20 33 58 Felt:- Rabaul Int III M.M. 04°10'S., 152°10'E. Warangoi Int II M.M. 04°30'S., 152°20'E.
18th Dec.	iP	Z	05	05	04	
	i(P)	Z	05	13	29	
	iP	Z	13	16	33	Felt:- Rabaul Int II M.M. 04°10'S., 152°10'E. Londolovit Int II M.M. 03°05'S., 152°40'E.
	iP	Z	13	56	16	Felt:- Warangoi Int II 04°30'S., 152°20'E.
	iP	Z	20	45	03	
19th Dec.	iP!	Z	04	23	04	
	iP!	Z	08	38	41	
	iP!	Z	08	55	14	
	iP	Z	11	00	33	
	iP	Z	11	04	38	
	iPKP	Z	11	33	48	U.S.C.G.S. 16°S., 72°W Sth Peru h about 100 H = 11 14 40

19th Dec. contd.	iP!	Z	20	51	29	
20th Dec.	iP!	Z	09	28	11	
	iP	Z	19	28	27	U.S.C.G.S. 28½°N., 127½°E Ryukyu Is. region H = 19 20 43
21st Dec.	eP	Z	05	58	37	U.S.C.G.S. 44½°N., 81°E
	eS	N	06	08	37	Western Sinkiang Province China H = 05 46 26
22nd. Dec.	eiPn	Z	02	18	10	U.S.C.G.S. 6°S., 155°E
	iPg!	Z			16	Solomon Is. H = 02 17 14
	iP!	Z	02	21	(51)	In coda of preceding shock.
23rd Dec.	eP	Z	17	20	41	
	i!	Z			47	
	i	Z	18	48	38	
	eP	Z	19	42	33	
	i	Z			44	
24th Dec.	iP!	Z	01	14	02	U.S.C.G.S. 6½°S., 150°½°E.
	iS	N		14	30	Near S.coast of New Britain Felt:- Kandrian Int I M.M. 06°08'S., 149°32'E. h about 100 H = = 01 13 17
	iP!	Z	12	39	46	
	iP!	Z	14	14	35	Deep?
	iP	Z	20	40	14	U.S.C.G.S. 18°S., 169°E.
	iPP	Z			43	New Hebrides Is. H = 20 35 20
	iP	Z	22	15	49	U.S.C.G.S. 18°S., 169°E
	i	Z			56	New Hebrides Is. aftershock of 20 40 14 H = 22 10 56
25th Dec.	iP!	Z	08	06	09	Dilatation U.S.C.G.S. 5½°S., 151½°E New Britain.h about 60 H = 08 05 38 Felt:- Rabaul Int IV - V M.M. 04°10'S., 152°10'E Pomio Int V M.M. 05°30'S., 151°30'E Warangoi Int V 04°30'S., 152°20'E Rangarere Int III M.M. 04°15'S., 151°35'E Ulamona Int III M.M. 05°00'S., 151°15'E. Mag. Pas 6¾.
	iP!	Z	09	37	07	Dilatation New Britain;aftershock of 08 06 09 Felt:- Rabaul Int I M.M. 04°10'S., 152°10'E.

25th Dec. contd			continuation of previous shock.			Felt:- Pomio Int II-III M.M. 05°30'S., 151°30'E.
26th Dec.	iP	Z	05	53	09	Felt:- Rabaul Int I M.M. 04°11'S., 152°10'E. Londolovit Int I M.M. 03°05'S., 152°40'E.
27th Dec.	i	Z	08	29	36	
28th Dec.	iP!	Z	04	40	55	C.B.M.
	iP	Z	17	23	30	Felt. :- Saidor Int II M.M. 05°35'S., 146°30'E. Kaiapit Int II M.M. 06°15'S., 146°15'E. Wasu Int IV M.M. 06°00'S., 147°15'E.
	eP	Z	18	23	01	
	i!	Z			04	
29th Dec.	eP	Z	03	04	16	U.S.C.G.S.
	i	Z			21	Felt:- Saidor Int I M.M. 05°35'S., 146°30'E Kundiawa Int II M.M. 06°00'S., 145°00'E. Chauve Int 2 M.M. 06°05'S., 145°10'E. Goroka Int I-II M.M. 06°05'S., 145°25'E.
	iP	Z	16	34	14	
	i(P)	Z	22	47	48	
30th Dec.	Nil recorded					
31st Dec.	iP	Z	01	52	04.5	U.S.C.G.S. 23°S., 178½°W.
	ipP	Z		53	20	Tonga Is. region h about 400 H = 01 45 52
	iP	Z	05	02	20	Felt:-Tari Int III 05°50'S., 143°00'E.
	iP	Z	10	39	45	U.S.C.G.S. 46½°N., 154°E.
	ipP	Z		40	06	Kurile Is. h about 100 H = 10 30 49

Compiled by G.W.D'Addario.