1962 complete.

HERMANUS

Copied May 1966 D Doubble

JANUARY 1962.

Date 1962	Phase	U. T. h m s	Epicentral Data (U.S.C.G.S.)	Δ_{meas}	Remarks
Jan. 4	e PKS e F	04 58 23 06(53) 06 39	33.9 N., 135.2 E (Near Shikoku, Japan) H = 04 : 35 : 42.6 h about 56 km.	128°	Very weak.
Jan. 5	e SS F	01 02 00	15.5 S., 177.7 W (Fiji Islands Region) H = 00 : 23 : 32.1 h about 24 km.	128°	
Jan. 5	e F	14 41 14 59			Traces.
Jan. 7	e F	10 39 11 06			Traces.
Jan. 8	i(SKS) $i(SKS_2)$ e(PS) F	01 24 52 25 43 27 26	18.5 N., 70.5 W (Near south coast of Dominican Republic) H = 01 : 00 : 24.2 h about 63 km.	99½°	
Jan.11	i F	05 37 25 06 23			Weak.
Jan.16	e SS F	12 10 58 14 02	30.5 S., 177.9 W (Kermdec Islands) H = 11 : 35 : 41.3 h about 39 km.	133½°	
Jan.16	e F	15 29 15 32			"Near" oceanic earthquake.
Jan.19	e F	20 14 20 37			Traces.
Jan.19	e F	22 58 23 05			Traces.
Jan.25	e F	02 42 02 46			"Near" oceanic earthquake.
Jan.26	e F	08 54 09 24	35.1 N., 22.7 E (West of Crete) H = 08 : 17 : 37.0 h about 32 km.	69½°	No distinct phases.

SEISMOLOGICAL BULLETIN.

MAGNETIC OBSERVATORY, HERMANUS

FEBRUARY 1962.
MARCH 1962.

LOCATION

Lat. 34° 25.5 S., Long. 19° 13.5 E.

85 feet above mean sea-level, 700 yards from coast.

INSTRUMENTS

Two Milne-Shaw seismographs, recording N-S and E-W horizontal ground movements. Nominal magnification 250; damping ratio 20:1; recording speed 8mm/min. Free periods; E-W, 12 secs; N-S, 10 secs. The time is recorded in the form of a 2-3 sec. break in the record every minute excepting on the hour and half-hour. The clock correction is determined daily to an accuracy of 0.2 sec.

Date 1962	Phase	U. T. h m s	Epicentral Data (U.S.C.G.S.)	Δ meas	Remarks
Feb. 3	e PP e SKS e SKKS e(SKKKS) e PS F	00 57(25) 01 03 22 04 22 04 38 06 54 03 24	1.2 S, 137.8 E (North of New Guinea) H = 00 : 37 : 53.6 h about 17 km.	112½°	
Feb. 3	e F	11 57.0 12 15			"Near" oceanic earth quake?
Feb. 4	e S e e F	21 45 40 45 54 49(29) 22 52	0.5 S, 20.2 W (South Atlantic Ocean) H = 21 : 29 : 33.2 h about 17 km.	49½°	
Feb. 8	e(PS) F	12 18 30 13 17	3.2 S., 141.3 E (New Guinea) H = 11 : 49 : 13.9 h about 87 km.	114°	Very weak.
Feb. 11	e PP e(PS) e F	19 15 54 25 52 32 46 21 04	4.5 S., 153.5 E (New Ireland region) H = 18 : 55 : 32.0 h about 100 km.	122°	
Feb. 14	i P! i PcP! e(PP) e(LQ) M F	06 47 20 47 39 50(13) 07 05 57 13.5 10 52	38.1 S., 73.1 W (Near coast of Chili) H = 06 : 36 : 01.3 h about 44 km.	71½°	No record 0652-0657 while changing records.
Feb. 15	e S e F	10 03 13 04 09 10 39	49.4 S., 32.1 E (Prince Edward Island region) H = 09 : 56 : 01.0 h about 25 km.	17½°	

Date 1962	Phase	U. T. h m s	Epicentral Data (U.S.C.G.S.)	Δ meas	Remarks
Feb.17	e PS F	04 06 45 04 48	61.6 S., 162.9 E (South of Macquarie Island region) H = 03 : 43 : 45.1 h about 25 km.	80°	
Feb.18	e F	07 35 07 55			Traces
Feb.18	e SKS e PS	17 49 26 51 31	8.1 N., 74.6 W (Northern Colombia) H = 17 : 25 : 17.3 h about 70 km.	97½°	
Feb.20	e PPS F	22 29 16 24 01	26.1 N., 96.8 E (Northern Burma) H = 22 : 02 : 38.2 h about 25 km.	95°	
Feb.22	e	05 54 16			"Near"oceanic earthquake.
Feb.27	i P e PcP i S F	12 52 10 52 31 13 01 31 15 00	37.4 S., 73.2 W (Near coast of central Chili) H = 12 : 40 : 48.9 h about 40 km.	72°	
Mar.1/2	e SS F	00 19 12 02 03	14.0 S., 172.5 E (Samoa Islands) H = 23 : 41 : 14.5 h about 73 km.	126°	Very weak.
Mar. 5	e PcS e L F	10 28 48 31 34 10 47	55.9 S., 27.9 W (Sandwich Islands) H = 10 : 15 : 22.1 h about 25 km.	38½°	
Mar. 5	e F	22 27 23 01			Traces
Mar. 7	e PP i PKS e e PPS F	11 21(20) 22 31 24 55 33 30 12 14	19.3 N., 145.3 E (Mariana Islands) H = 11 : 01 : 00.4 h about 680 km.	130½°	
Mar. 8	e F	02 03 02 11	22.3 S., 39.1 E (Mozambique Channel) H = 01 : 54 : 40.5 h about 25 km.	21½°	Confused by microseisms.
Mar. 8	e F	21 53 15 22 54	3.4 S., 29.2 E (Republic of the Congo.) H = 21 : 38 : 35.4 h about 25 km.	32°	Initial phases very weak
Mar.11	e PP e SKS e(SS) F	19 38 11 44 31 53(53) 21 14	9.0 N., 126.7 E (Near east coast of Mindanao) H = 19 : 19 : 05.6 h about 25km.	110°	

Date 1962	Phase	U. T. h m s	Epicentral Data (U.S.C.G.S.)	Δ_{meas}	Remarks
Mar.12	e F	10 09 12 11 09	9.0 N., 83.0 W (Costa Rica) H = 09 : 41 : 45.7 h about 113 km.	105°	Very weak
Mar.12	e PP e SKS e PS e SS F	11 58(42) 12 05 07 07 52 13 28 14 57	8.1 N., 83.0 W (Near coast of Panama and Costa Rica) H = 11 : 40 : 12.8 h about 58 km.	104½°	
Mar.15	e	13 32 16	20.6 S., 178.8 W (Fiji Islands region) H = 13 : 07 : 06.9 h about 623 km.	123°	Weak
Mar.15	e F	14 59 15 14			Traces
Mar.17	e P i S e PS(or SKS) e SS F	20 59 09 21 08 46 09 16 13(00) 23 42	10.6 N., 43.7 W (North Atlantic Ocean) H = 20 : 47 : 31.7 h about 25 km.	74°	
Mar.18	i F	15 51 54 16 42	40.6 N., 19.6 E (Southern Albania) H = 15 : 30 : 31.6 h about 25 km.	74½°	
Mar.21	i SKS i S F	23 19 24 19 53 23 30	5.9 S., 113.0 E (Java Sea) H = 22 : 57 : 51.2 h about 631 km.	90°	
Mar.22	i SKS i S e F	00 41 19 41 48 42 52 00 56	5.9 S., 112.9 E (Java Sea) H = 00 : 19 : 43.1 h about 611 km.	90°	
Mar.22	i PP e(ScSP) F	15 32 45 42 39 18 00	3.2 S., 142.3 E (New Guinea) H = 15 : 13 : 03.9 h about 25 km.	115°	
Mar.24	e SKKS e PS e F	13 25 40 28 39 29 32 14 52	5.7 S., 145.0 E (Near north coast of New Guinea) H = 12 : 59 : 30.9 h about 111 km.	115½°	
Mar.25	e F	11 55 12 02			Traces.
Mar.26	i(PPS) F	12 20 59 13 25	0.5 S., 19.2 W (Mid-Atlantic Ocean) H = 12 : 04 : 54.6 h about 25 km.	48½°	

Date 1962	Phase	U. T. h m s	Epicentral Data (U.S.C.G.S.)	Δ_{meas}	Remarks
Mar.26	i S F	16 53 13 18 37	40.6 S., 73.3 W (Near coast of Southern Chili) H = 16 : 32 : 43.6 h about 32 km.	$70\frac{1}{2}^{o}$	

SEISMOLOGICAL BULLETIN

MAGNETIC OBSERVATORY, HERMANUS

APRIL / MAY 1962.

LOCATION

Lat. 34° 25.5' S., Long. 19° 13.5' E.

85 feet above mean sea-level, 700 yards from coast.

INSTRUMENTS

Two Milne-Shaw seismographs, recording N-S and E-W horizontal ground movements. Nominal magnification 250; damping ratio 20:1; recording speed 8 mm/min. Free periods: E-W, 12 secs; N-S, 10 secs.

The time is recorded in the form of a 2-3 sec. break in the record every minute excepting on the hour and half-hour. The clock correction is determined daily to an accuracy of 0.2 sec.

Date 1962	Phase	G.M.T. h m s	Epicentral data	$\Delta_{meas.}$	Remarks
Apr. 1	eL F	01 26 .. 01 38			$\Delta < 50°$? Very weak.
Apr. 4	e F	14 57 .. 15 14			
Apr. 4	e F	21 29 13 21 49		68½°	Unidentified phase. (Crete?)
Apr.10	eL F	22 11 .. 22 49	37.9 N., 20.1 E (Ionian Sea) H = 21 : 37 : 12.6 h about 35 km.	72°	
Apr.12	iPP iPKS ePPP F	01 14 37 15 41 17(24) 04 02	38.2 N., 142.3 E (Near east coast of Honshu, Japan) H = 00 : 52 : 47.0 h about 68 km.	135°	
Apr.15	e F	18 27 .. 18 39	Ascension Island region.		Weak.
Apr.15	e(PPS) e(ScS) i F	18 59 44 19 02(57) 09 22 22 00	2.9 S., 11.9 W. (Ascension Island region) H = 18 : 45 : 17.4 h about 25 km.	42°	
Apr.16	eP eS	17 58 52 18 02 14	44.8 S., 37.2 E. (Prince Edward Islands). H = 17 : 54 : 49.2 h about 25 km.	17½°	F masked by waves from second earthquake, very similar to, but slightly stronger than first.
Apr.17	i(PS) e(ScS) F	22 50 03 53 19 24 03	1.5 S., 14.9 W (Mid-Atlantic Ocean) H = 22 : 34 : 56.7 h about 25 km.	45°	

Date 1962	Phase	G.M.T. h m s	Epicentral data	Δ_{meas}	Remarks
Apr.18	iP iSKS i(S) ePS i e F	19 27 45 38 17 38 40 38 59 39 47 44 47 21 13	10.0 S., 79.0 W (Off coast of Peru) H = 19 : 14 : 37.2 h about 39 km.	91°	S(?) phase suspiciously weak.
Apr.19	e F	12 35 .. 12 50			Traces.
Apr.20	e F	00 25 01 08			Traces.
Apr.20	e(PP) iSKS e(SKKS) iS ePS F	06 06(14) 12 31 13 10 13 35 15(07) 08 34	20.6 N., 72.2 W (Near north coast of Haiti) H = 05 : 47 : 55.3 h about 25 km.	102°	
Apr.23	iPcPKKP ePKKP (or SKKS) i iSS iPKPPKS F	06 25 47 27 04 31 01 38 20 38 45 08 35	42.9 N., 143.4 E (Hokkaido, Japan) H = 05 : 58 : 04.9 h about 25 km.	136½°	No record 0617-0622 while changing records.
Apr.25	eSKS e(SS) F	16 10 24 27 20 17 45	38.4 N., 142.5 E (Honshu, Japan) H = 15 : 47 : 29.4 h about 56 km.	135°	Very weak.
Apr.27	i i F	P? 06 07 51 08 19 08 25	44.4 S., 74.8 W (Southern Chile) H = 06 : 47 : 27.0 h about 31 km. or 23.1 S., 179.2 E (Fiji Islands region) H = 06 : 30 : 24.9 h about 576 km.	69° 120°	Unidentified phases.
Apr.28	e(S) i i i F	11 39 31 57 36 59 36 12 06 39 12 24	36.4 N., 26.6 E (Dodecanese Islands) H = 11 : 18 : 57.4 h about 40 km.	71°	11 : 57 : 36 and subsequent phases from "near" earthquakes?

Date 1962	Phase	G.M.T. h m s	Epicentral data	Δ_{meas}	Remarks
Apr. 30	iPKS F	02 49 16 04 28	38.8 N., 140.9 E (Honshu, Japan) H = 02 : 26 : 30.0 h about 104 km.	134°	
Apr. 30	e F	16 31 18 47			Traces
May. 1	e F	21 29 21 46			Traces
May. 3	i(PPS) eScS F	03 49 22 52 40 04 37	60.0 S., 32.8 W (Sandwich Islands) H = 03 : 34 : 49.0 h about 20 km.	41½°	
May. 5	e F	00 01 00 32			Traces
May. 6	i i e i F	19 08 12 10 00 14 37 17 55 22 38	60.0 S., 32.8 W (Sandwich Islands) H = 19 : 00 : 10.2 h about 25 km.	41½°	Phases do not seem to fit.
May. 7	ePP iPKS e(SKKKS) i(PPP:221° F	18 02(03) 03 00 09 27 14 40 19 59	45.3 N., 146.7 E (Kurile Islands) H = 17 : 39 : 50.3 h about 25 km.	139°	
May. 11	iPP iSKKS iPS(or ScSP) ePPS eSS F	14 32 29 39 29 42 31 44(00) 49(13) 17 23	17.0 N., 99.7 W (Near coast of Mexico) H = 14 : 11 : 51.9 h about 25 km.	123½°	
May. 12	e F	18 55 .. 19 12	26.5 S., 13.6 W (South Atlantic Ocean) H = 18 : 44 : 30.3 h about 25 km.	29°	Very weak
May. 15	eP i ePP i eSKS iSKKS iSS iSSS F	05 37 44 41 10 41 57 44 59 48 17 48 39 56 30 06 00 11 08 59	7.3 S., 128.3 E (Banda Sea) H = 05 : 23 : 45.9 h about 34 km.	101½°	

Date 1962	Phase	G.M.T. h m s	Epicentral data	Δ_{meas}	Remarks
May.19	iPP ePS(or ScSP) eSS F	15 19 02 28 38 35 28 18 00	17.2 N., 99.5 W (Near coast of Mexico) H = 14 : 58 : 13.3 h about 20 km.	123°	
May.21	ePP e F	12 20 51 42 52 14 49	37.3 N., 96.0 E (Chinghai Province China) H = 12 : 02 : 50.6 h about 25 km.	100½°	
May.21	e(PP) $e(SKKS)_1$ $e(SKKS)_2$ e F	21 36 04 43 06 51 52 54 53 24 06	20.0 S., 177.5 W (Fiji Islands region) H = 21 : 15 : 31.0 h about 379 km.	124°	Times fit reasonably well for h = 150 km.
May.22	ePP ePPP e F	08 27 05 30 01 37 40	12.3 S., 166.6 E (Santa Cruz Islands) H = 08 : 06 : 38.7 h about 151 km.	124½°	
May.22	eSKS eSKKS F	22 29(18) 30(47) 24 54	5.5 S., 152.0 E (New Britain) H = 22 : 03 : 36.0 h about 100 km.	120½°	Very weak.
May.31	e(PKS) ePP F	06 50(30) 52(14)	22.1 N., 142.6 E (Volcano Islands region) H = 06 : 28 : 26.2 h about 257 km.	129½°	Barely distinguishable from microseisms.

SEISMOLOGICAL BULLETIN

MAGNETIC OBSERVATORY, HERMANUS JUNE/JULY 1962.

LOCATION

Lat. 34° 25.5' S., Long. 19° 13.5' E.

85 feet above mean sea-level, 700 yards from coast.

INSTRUMENTS

Two Milne-Shaw seismographs, recording N-S and E-W horizontal ground movements. Nominal magnification 250; damping ratio 20:1; recording speed 8 mm/min. Free periods: E-W, 12 secs; N-S, 10 secs.

The time is recorded in the form of a 2-3 sec. break in the record every minute excepting on the hour and half-hour. The clock correction is determined daily to an accuracy of 0.2 sec.

NOTE: The N-S seismograph was out of commission from 1962 April 10 to July 17 while awaiting new components from England.

Date 1962	Phase	G.M.T. h m s	Epicentral data (U.S.C.G.S.)	Δ meas	Remarks
Jun. 3	e(ScS) eL F	15 25(30) 40.6 16 30	22.4 N., 45.2 W (North Atlantic Ocean) H = 15 : 02 : 25.5 h about 25 km.	82½°	
Jun.11	e F	07 58 08 24			Traces.
Jun.17	ePcP e eSS F	04 36 31 37 33 38 00 04 58	40.1 S., 45.7 E (Indian Ocean, north of Crozet Islands) H = 04 : 27 : 38.2 h about 15 km.	21½°	
Jul. 3	e F	18 45 19 26			Traces.
Jul. 6	e F	02 38 02 57			Traces.
Jul. 6	e(L) i(PKPPKS) F	09 50(58) 58 56 10 16	38.0 N., 20.2 E (Ionian Sea) H = 09 : 16 : 15.0 h about 30 km.	72°	
Jul. 6	e iSKS iS iPS i i i iPKPPKP F	23 18 40 27 51 27 56 29 29 34 43 36 19 38 55 43 40 24 42	36.6 N., 70.4 E (Hindu Kush) H = 23 : 05 : 32.2 h about 203 km.	85°	

SEISMOLOGICAL BULLETIN JUNE) JULY) 1962.

Magnetic Observatory, Hermanus, South Africa.

Date 1962	Phase	G.M.T. h m s	Epicentral data (U.S.C.G.S.)	Δ_{meas}	Remarks
Jul.17	e F	05 52 06 42			Traces.
Jul.25	ePS eSS F	05 06 15 12(00) 06 18	18.9 N., 81.1 W. (West of Jamaica) H = 04 : 37 : 50.7 h about 64 km.	$108\frac{1}{2}^{\circ}$	Barely distinguishable from microseisms.
Jul.26	iPP e e(!)PS e(!)SS eSKKS F	08 32 54 39 36 42 15 48 00 51 51 11 56	7.5 N., 82.7 W (South of Panama) H = 08 : 14 : 41.8 h about 21 km.	104°	
Jul.26	e F	21 50 21 55			Traces.
Jul.30	eSKS e e F	17 42 29 44 41 46 35 20 10	3.3 S., 143.9 E (Near north coast of New Guinea) H = 17 : 16 : 44.4 h about 25 km.	116°	
Jul.30	eP ePP i(!)SKS iS F	20 32 19 36 18 42 52 43 32 23 00	5.0 N., 76.3 W (Western Colombia) H = 20 : 18 : 49.3 h about 45 km.	$97\frac{1}{2}^{\circ}$	P very weak.

SEISMOLOGICAL BULLETIN

MAGNETIC OBSERVATORY, HERMANUS

AUGUST
SEPTEMBER 1962.

LOCATION

Lat. 34° 25'.5 S., Long. 19° 13'.5 E.

85 feet above mean sea-level, 700 yards from coast.

INSTRUMENTS

Two Milne-Shaw seismographs, recording N-S and E-W horizontal ground movements. Nominal magnification 250; damping ratio 20:1; recording speed 8 mm/min. Free periods: E-W, 12 secs; N-S, 10 secs.

The time is recorded in the form of a 2-3 sec. break in the record every minute excepting on the hour and half-hour. The clock correction is determined daily to an accuracy of 0.2 sec.

Date 1962	Phase	G.M.T. h m s	Epicentral data	Δ meas	Remarks
Aug. 1	e(PKKP) e SS e(SKKKS) F	05 06 40 13(00) 16 48 07 20	3.2 S., 143.7 E (Near coast of New Guinea) H = 04 : 36 : 57.6 h about 33 km.	116°	Mag. $6\frac{1}{2}$ - $6\frac{3}{4}$ (Pasadena)
Aug. 3	i P e(S) F	07 42 06 45 14 07 48	45.1 S., 38.3 E (Prince Edward Islands region) H = 07 : 37 : 55.2 h about 33 km.	18°	Confused by microseisms
Aug. 3	e(PcP) i S i(ScS) F	09 08(20) 17 19 17 48 10 46	23.2 S., 67.5 W (Northern Chili-Argentine border) H = 08 : 56 : 12.1 h about 71 km.	$74\frac{1}{2}$°	Mag. 7-$7\frac{1}{4}$(Pas)
Aug. 6	ePcS F	08 54 47 09 00	58.4 S., 25.5 W (Sandwich Islands) H = 08 : 41 : 17.8 h about 54 km.	38°	Very weak
Aug.11	e(PKKP) i F	08 44 47 45 44 09(41)	25.2 N., 123.3 E (Off NE coast of Formosa) H = 08 : 15 : 43.7 h about 140 km.	$115\frac{1}{2}$°	Mag. 6(Pas)
Aug.13	iSKS e PS e SS F	07 00 35 03 05 08 42 08 02	2.1 N., 83.5 W (About 300 miles NW of Ecuador) H = 06 : 35 : 56.0 h about 33 km.	102°	Mag. $6\frac{1}{2}$ - $6\frac{3}{4}$ (Pas)
Aug.13	eSKS e e F	10 34 29 37 08 37 48 10 45	14.6 N., 93.0 W (Off coast of Chiapas,) Mexico H = 10 : 09 : 24.9 h about 118 km.	$116\frac{1}{2}$°	
Aug.14	e(LQ) F	01 47 52 02 07	49.9 S., 163.0 E (About 300 miles north of Macquarie Islands) H = 01 : 10 : 50.5 h about 43 km.	$90\frac{1}{2}$°	

SEISMOLOGICAL BULLETIN

Magnetic Observatory, Hermanus, South Africa.

AUGUST
SEPTEMBER 1962.

Date	Phase	U. T. h m s	Epicentral data (USCGS)	Δ_{meas}	Remarks
Aug. 17	e F	05 34 06 40	10.6 N., 121.6 E (Panay region, Philipine Islands) H = 05 : 04 : 31.5 h about 33 km.	106½°	Traces
Aug. 19	e F	19 20 19 36			Traces
Aug. 21	eLQ F	18 51(06) 19 18	41.4 N., 15.5 E (Italy) H = 18 : 19 : 33.3 h about 34 km.	75½°	
Aug. 21	iSKKS eL F	21 42 30 52 28 23 11	28.7 S., 176.8 W (Kermadee Islands region) H = 21 : 06 : 00.1 h about 55 km.	115½°	
Aug. 28	eP e(PPP) iS eSS i F	11 11 13 15(21) 20 24 25 02 25 37	38.0 N., 23.1 E (Greece) H = 10 : 59 : 58.5 h about 120 km.	72°	Mag. 6 3/4(Pas)
Aug. 28	e F	23 14 23 22			Traces
Aug. 29	e F	09 41 09 47			Traces
Aug. 30	e(S) e(SS) F	19 16 15 16 42 19 22	47.7 S., 32.6 E (Prince Edward Islands region) H = 19 : 09 : 15.9 h about 33 km.	16½°	
Aug. 31	e F	18 26 18 59			Traces
Sept. 1	iP i ePPS e(PKKP) F	19 32 24 42 16 42 53 51 01 22 23	35.6 N., 50.0 E (Northwest Iran) H = 19 : 20 : 38.5 h about 21 km.	75°	Mag. 7 1/4(Pas.)
Sept. 4	e F	23 38 23 57			Traces

SEISMOLOGICAL BULLETIN

Magnetic Observatory, Hermanus, South Africa.

AUGUST
SEPTEMBER 1962.

Date	Phase	U. T. h m s	Epicentral data (USCGS)	Δ_{meas}	Remarks
Sept.12	e_N S e_E F	21 19 51 20 12	36.5 N., 69.2 E Hindu Kush H = 20 : 57 : 00.4 h about 50 km.	84°	Mag. $6\frac{1}{2}$ - $6\frac{3}{4}$ (Pas)
Sept.15	iPKP F	23 10 28 01 01	48.5 N., 156.8 E Kurile Islands H = 22 : 50 : 46.3 h about 33 km.	$145\frac{1}{2}$°	Mag. $6\frac{1}{2}$ -(Pas)
Sept.17	e F	01 33 02 17			Traces
Sept.18	e(PP) i(SKS) iPS iSS F	00 47 32 53 56 56 24 01 02 13 03 24	7.5 N., 82.3 W (South of Panama) H = 00 : 29 : 05.2 h about 33 km.	$103\frac{1}{2}$°	Mag. 7(Pas).
Sept.22	e F	07 36 08 17			Traces
Sept.29	iS e(SKS) i F	15 36 25 36 46 39 50 16 22	27.0 S., 63.6 W (Argentina) H = 15 : 17 : 47.7 h about 575 km.	$69\frac{1}{2}$°	Mag. $6\frac{1}{2}$(Pas)

SEISMOLOGICAL BULLETIN

MAGNETIC OBSERVATORY, HERMANUS

OCTOBER
NOVEMBER 1962
DECEMBER

LOCATION

Lat. 34° 25'.5 S., Long. 19° 13'.5 E.

85 feet above mean sea-level, 700 yards from coast.

INSTRUMENTS

Two Milne-Shaw seismographs, recording N-S and E-W horizontal ground movements. Nominal magnification 250; damping ratio 20:1; recording speed 8 mm/min. Free periods: E-W, 12 secs; N-S, 10 secs.

The time is recorded in the form of a 2-3 sec. break in the record every minute excepting on the hour and half-hour. The clock correction is determined daily to an accuracy of 0.2 sec.

Date 1962	Phase	U.T. h m s	Epicentral data (USCGS)	Δ_{meas}	Remarks
Oct. 1	e	12 41 22	27.9 N., 54.9 E (Southern Iran) H = 12:13:57.4 h about 16 km.	70°.9	
	F	13 19			
Oct. 4	e	20 24			
	F	20 37			Traces
Oct. 6	e PP	04 43 52	17.4 S., 167.7 E (New Hebrides Islands) H = 04:23:24.1 h about 33 km.	119°.8	
	F	07 07			
Oct. 6	e	09 05			Traces
	F	09 39			
Oct. 7	e	00 30			Traces
	F	01 06			
Oct. 8	e(ScSP)	22 25 (31)	24.3 N., 121.7 E (Near east coast of Formosa) H = 21:56:22.2 h about 29 km.	113°.4	Mag. 6 (Pas.)
	F	23 52			
Oct. 9	e	20 44			Traces
	F	22 58			
Oct.13	e	11 04			Traces
	F	11 27			
Oct.25	e (S)	20 28 (03)	61.4 S., 154.9 E (Southwest of Macquarie Islands) H = 20:06:10.0 h about 33 km.	77°.5	
	i PS	28 41			
	e SSS	36 20			
	e	37 (42)			
	F	21 36			
Oct.26	e	12 02 (13)			
	F	12 13			
Oct.26	e PcS	16 11 49	55.5 S., 26.5 W (Sandwich Islands) H = 15:58:34.8 h about 33 km.	37°.5	
	e SSS	14 (44)			
	F	16 48			
Oct.29	e	07 35 08			
	F	08 00			
Oct.30	i P	01 51 10	54.2 S., 9.1 E (Bouvet Islands region) H = 01:46:32.7 h about 33 km.	21°.2	
	i	51 21			
	e	53 48			
	e	54 08			
	e	54 47			
	i S	54 58			
	F	02 53			

SEISMOLOGICAL BULLETIN.

Magnetic Observatory, Hermanus, South Africa.

OCTOBER
NOVEMBER 1962.

Date	Phase	U.T. h m s	Epicentral data (USCGS)	Δ meas.	Remarks.
1962 Oct. 31	e PS F	11 59 42 13 04	5.6 N., 82.6 W. (South of Panama) H = 11:32:29.0 h about 33 km.	102.8°	
Nov. 2	e SKS F	15 10 27 15 50	10.0 S., 117.8 E (South of Sumbawa) H = 14:46:39.2 h about 33 km.	91.4°	
Nov. 4	e (S) F	23 14 11 00 34	43.2 S., 75.6 W (Off coast of southern Chili) H = 22:53:34.2 h about 33 km	70.1°	
Nov. 6	e F	00 47 01 07			Traces
Nov. 11	e e i F	15 42 .. 49 08 49 30 17 36	17.2 N., 40.7 E (Red Sea) H = 15:15:33.6 h about 34 km.	55.8°	
Nov. 11	i S F	22 34 52 23 44	43.2 S., 76.0 W (Off coast of southern Chili) H = 22:14:18.7 h about 33 km	70.4°	
Nov. 15	e PS e F	23 50 44 56 17 00 54	8.7 S., 79.8 W (Near coast of northern Peru) H = 23:25:15.7 h about 45 km.	92.2°	Very weak
Nov. 19	e P e F	10 37 42 38 (47) 11 32	50.0 S., 114.3 W (South Pacific Ocean) H = 10:14:29.4 h about 33 km	94.0°	Very weak
Nov. 28	e e F	05 16 .. 24 (51) 05 29	22.4 S., 10.5 W (South Atlantic Ocean) H = 05:02:36.1 h about 33 km	28.6°	ditto
Nov. 29	e F	05 38 05 43			Traces. "Near" oceanic earthquake?
Nov. 29	e F	13 19 13 35			Ditto
Nov. 29	e F	20 03 20 48			Traces

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DECEMBER 1962.

Date	Phase	U.T. h m s	Epicentral data (USCGS)	$\Delta_{meas.}$	Remarks.
1962 Dec. 8	e	19 20			Traces
	F	19 48			
Dec. 8	i P_E	21 37 36	25.8 S., 63.4 W (Argentina) H = 21:27:22.2 h about 620 km.	70°.1	
	e P_N	37 33			
	i	39 30			
	e PP	40 34			
	i! S	46 00			
	e	49 33			
	i	50 30			
	F	23 07			
Dec.10	e S	05 09 22	28.3 S., 62.7 E (Indian Ocean) H = 04:56:19.4 h about 33 km.	37°.5	Very Weak
	F	05 40			
Dec.12	e	10 07 41			
	i	47 19			
	F	11 38			
Dec.17	i SKS	11 23 33	2.1 N., 122.9 E (Celebes Sea) H = 11:00:16.0 h about 393 km.	102°.5	No surface waves.
	e	26 (16)			
	F	11 30			
Dec.17	i	19 23 43			
	e	27 18			
	F	19 48			
Dec.21	e(SKS)	01 07 31	9.0 S., 112.4 E (Near south coast of Java) H = 00:44:19.7 h about 64 km	87°.8	
		07 59			
	F	02 04			
Dec.21	e	09 04 ..			No clear phases
	e	34 (16)			
	F	12 28			
Dec.21	e	18 11			Traces
	F	18 45			
Dec.21	e	22 14			Traces
	F	22 52			
Dec.22	e(SKKS)	01 19 21	22.0 S., 170.1 E (Loyalty Islands region) H = 00:52:23.4 h about 33 km.	117°.0	Mag. 6-6¾ (Pas)
	e(PS)	22 13			
	F	03 52			

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Date	Phase	U. T. h m s	Epicentral data (USCGS)	$\Delta_{meas.}$	Remarks.
1962					
Dec.22	e(PP) e(SKKS) F	15 45 (25) 51 49 17 58	52.5 N., 168.8 W (Fox Islands) H = 15:20:31.0 h about 47 km.	160°.4	Mag. 6¼ (Pas)
Dec.26	e PKP e F	22 45 21 23 04 08 01 03	53.9 N., 168.7 E (Koman dorskie Islands) H = 22:25:15.5 h about 33 km.	151°.0	Mag. 6½ (Pas)
Dec.29	e S i ScS F	11 03 01 03 17 12 06	20.0 S., 69.9 W (Northern Chili) H = 10:41:04.1 h about 46 km	78°.1	Mag. 6¾ (Pas.)
Dec.29	e F	15 47 16 40			Traces.