International Seismological Centre

61

OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo Gessi, 4 - Italia

- January 1961 -

Nº	Date	Character	Phase		h. m. s.	Remarks
1	2	IVu	iP'	Z	10 31 12	Ab. 15.400 km h = ab. 100 km
			eiPKS	E	34 48	Obscured by microseisms
			i	E	35 09	USCGS: 124 S, 166.4 E h = ab.
			e(L)	E	11 23,9	161 km Santa Cruz Island region
						M = 6 3/4 (Pas) 6½ - 6 3/4 (Berk)
						H = 10.11.56.9
2	5	IIu	eP	Z	14 18 50	9.250 km
			eS	N	29 07	USCGS: 51.6 N 176.3 W h = ab.
			e(SP)	Z	30 11	37 km Andreanaf Island, Auletian
			eSS	E	34 52	Islands Felt: Adak M 6 3/4 (Pas)
			eSSS	N	38 20	6 1/4 - 6 1/2 (Berk) H = 14 06 25.9
			eL	E	48,3	
3	5	Iu	eP	Z	15 21 56	Traces
						USCGS: 45.7 N 149.3 E h = ab.
						19 km Kurile Islands
						H = 15 09 37.9
4	5	IVu	eP'	Z	16 12 41	Traces h = ab. 110 km
			ePP	Z	14 06	USCGS: 4.1 S 143.0 E h = ab.
			i	Z	14 15	108 km New Guinea Felt. May
			epP	Z	14 28	6 3/4 - 7 (Pas) H = 15 53 56.0
5	5	IVu	eiP'_1	Z	18 17 31	Ab. 16.400 km h = 120 km
			iP'_2	Z +	17 38	USCGS: 21.2 S 169.3 E h = ab.
			i	Z	17 47	123 km Loyalty Islands region
			ipP'_2	Z	18 08	M = 6 3/4 (Pas) 6 3/4 - 7 (Berk)
			i	Z	19 21	H = 17 57 56.6
			e(pPP)	Z	21 31	
			eL	E	19 02,7	
			eM	E	15,6	
6	5	IVu	eiP'_1	Z	18 34 18	16.400 km h = ab. 120 km
			iP'_2	Z	34 22	USCGS: 21.0 S 169.1 E
			ePP	Z	37 49	h = ab. 124 km
			eL	N	19 16,8	Loyalty Islands M = 6 3/4 (Pas)
7	7	Iv	iSn	EN	15 56 56	Ab. 1050 km
			iSgSgSg	E	58 11	Obscured by microseisms
			iQ	E	58 21	BCIS: 37° 6 N, 20° 8 E Isole Jonie
						H = 15.52.51
						USCGS: 37.7 N, 21.1 E h = ab. 22 km
						Near west coast of Grece
						H = 15.52.54.0

MAR 9 1961

International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
8	8	I(v)	e	E	11 58 40	Slight trace
9	9	Ir	eP	Z	03 16 49	Slight trace
						USCGS: 31.2 N, 41.0 W h = ab. 49 km
						North Atlantic Ocean H = 03.08.37.7
10	9	IVu	(e)P'1	Z	10 33 00	Traces
			e	Z	33 10	USCGS: 21.3 S, 169.1 E h = ab 82 km
			e(pP'2)	Z	32 24	Loyalty Islands H = 10.13.17.7
11	9	Id	ePg	Z	20 51 10.6	80 km weak
			ei	Z	51 13.8	
			iSg	EN	51 21.0	
12	10	IIu	iP	Z	14 34 24	8800 km
			i	Z	35 29	USCGS: 49.9 N, 156.2 E h = ab 29 km
			iS	N	44 20	Kurile Islands region M = 6 3/4 (Pas)
			ei	N	45 25	6 1/4 (Berk) 6 1/4 - 6½ (Pal)
			eSS	N	49,3	H = 14.22.18.2
			eSSS	N	53,6	
			L	E	02,6	
			M	E	06,9	
13	11	Iu	eS	N	12 22 38	Traces
			eM	E	50,7	USCGS: 51.8 N, 171.0 W h = ab 47 km
						Fox Islands Auletian Islands
						H = 11.59.55.0
14	14	Iu	eM		17 28,0	Traces z not recording
						USCGS: 53.9 N, 163.7 W h = ab 41 km
						Unimak Island region
						M = 5 3/4 (Pal) H = 16.38.55.6
15	16	IVu	eiP	N	07 32 50	Ab. 9600 km h = ab 120 km
			epP	N	33 22	Components Z and E not recording
			ePP	N	36 13	USCGS: Near east coast of Honshu,
			epPP	N	36 41	Japan
			iPPP	N	38 13	Felt: Central and north eastern
			iS	N	43 18	Honshu M = 6 3/4 - 7 (Pas) 36.0 N,
			eiS	N	44 15	141.1 E h = 131 km H = 07.20.18.6
			eSSS	N	52,5	
			M	N	08 08,3	
16	16	IVu	eS	E	11 42 42	Weak and obscured by microseisms
			eM	E	12 05 38	USCGS: 35.7 N, 140.6 E
						h = ab 157 km Near east coast of
						Honshu, Japan H = 11.19.46.5

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N°	Date	Character	Phase		h. m. s.	Remarks
17	16	IIu	ePPP	E	12 30 27	Ab 9600 km z not recording obscured
			epPPP	E	30 50	by preceding shock
			iS	EN	35 33	USCGS: 36.2 N, 141.7 E h = ab. 105 km
			eSS	E	41 09	Honshu, Japan M = 6½ - 6 3/4 (Pas)
			L	E	52,9	H = 12.12.34.4
			M	E	59,0	
18	16	IVu	eM	N	14 49,6	Z and E not recording obscured by mi-
						croseisms
						USCGS: 36.3 N, 141.2 E h = ab 127 km
						Neareast coast of Honshu Japan
						H = 14.04.05,3
19	16	IVu	(e)P	Z	15 53 50	Ab. 9600 km h = ab. 150 km
			epP	Z	54 30	USCGS: 36.4 N, 140.6 E h = ab 147 km
			(e)PP	Z	57 24	Near east coast of Honshu, Japan
			epPP	Z	57 48	H = 15.41.23.3
			ePPP	Z	59 15	
			eiS	N	16 04 13	
			eSS	N	10 09	
			eSSS	E	13 44	
			eL	E	21,5	
			iM	E	27 45	
20	17	Iv	eSn	N	01 54 07	Weak
			e	N	54 21	BCIS: 46° 5 N, 7°4 E H = 01.52.05
			i(Sb)	N	54 29	Bernesi Alps, felt in Switzerland,
						at Sion and in Valais
21	18	Iu	eL		05 14.7	Slight trace
			eM	E	05 21,9	USCGS: 31.9 S, 64.3 W h = ab 57 km
						Cordoba Provincie, Argentina
						H = 04.22.24.3
22	19	Iu	(e)P	Z	17 34 21	Traces
			ePP	Z	37 37	USCGS: 49.7 N, 155.8 E
			eM	N	18 10,5	h = ab 31 km Kurile Islands
						M = 5 1/4 - 6 1/2 (Pal)
23	20	Iu	eP	Z	17 21 12	Weak (8600)km
			eS	N	31 (00)	USCGS: 56.4 N, 152.3 E
			eM	N	57,6	h = ab 46 km Sea of Okhotsk
						M = 6 3/4 (Pas)
						H = 17.09.15.7

N°	Date	Character	Phase		h. m. s.	Remarks
24	22	IIù	eP'	Z	03 43 33	Ab. 15300 km
			i(pP')	ZN	43 42	USCGS: 11.9 S, 166.2 E h = ab 25 km
			ePP	Z	46 30	Santa Cruz Islands region M = 7 (Pas)
			eiPKS	E	47 13	6 1/4 - 6½ (Berk) H = 03.24.04,5
			i	E	47 59	
			ePPP	Z	49 43	
			eSKKS	N	52 48	
			eSS	N	04 04 33	
			eSP	E	04 52	
			eSSS	E	10 (04)	
			eL	E	29,5	
			eM	E	45,7	
25	25	Iu	eP	Z	19 16 23	Traces
			e	Z	17 24	USCGS: 49.8 N, 156.0 E
						h = ab 98 km Kurile Islands
						H = 19.04.22.8
26	26	Iu	eSSS	E	17 01 18	Obscured by microseism
			eM	E	17 37,9	USCGS: 21.4 S, 169.5 E h = ab.119 km
						Loyalty Islands M = 6½ (Pas)
						6 - 6 1/4 (Berk) H = 16.13.25.1
27	28	Iv	e(Pn)	E	07 20 30	(970) km
			e	E	20 46	USCGS: 39.3 N, 22.0 E h = ab. 89 km
			iS	E	21 57	Northern Grece H = 07.18.16.2
			i	E	22 11	
28	28	Iu	e(P')	Z	20 02 47	Obscured by microseisms
			eM	E	21 09 38	Time marking uncertain
						USCGS: 21.3 S, 169.5 E h = ab 50 km
						Loyalty Islands region
						M = 6 1/4 (Pas) 6 (Pal) H = 19.43.01.4
29	28	I(d)	e	E	21 53 54	Trace
						Time marking uncertain

Seismological Station not operating from January 29 - 12^{46} to January 30 - 09^{30}

30	31	Iu	eP	Z	01 00 39	8750 km
			epP	Z	00 48	Time marking uncertain
			eS	N	10 30	USCGS: 55.8 N, 153,9 W h = ab 26 km
			eM	E	32,4	Near kodiak Island Alaska
						M = 6½ (Pas) 6 (Berk) H = 00.48.36,5

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OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo Gessi, 4 - Italia

- January 1961 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	8.3	2.500	∞	Foto
Alfani 3 kg	E - W	8.1	3.424	∞	"
Alfani 3 kg	Z	3.4	1.819	∞	"

Component E - W

Hours	0^h			6^h			12^h			18^h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.5	8.2	2	0.5	7.8	2	0.3	7.3	2	0.3	7.3
2	3	0.2	6.3	3	0.2	5.8	...			3	0.2	6.7
3	2	0.3	7.3	2	0.3	6.7	3	0.3	7.3	3	0.2	6.7
4	3	0.2	6.5	3	0.3	3.5	3	0.2	4.0	1	0.2	3.5
5	1	0.2	3.5	1	0.2	3.5	2	0.2	5.3	2	0.1	6.0
6	2	0.1	5.5	3	0.1	5.5	3	0.1	5.5	3	0.1	5.0
7	3	0.1	5.3	3	0.1	5.0	3	0.1	2.3	3	0.2	2.3
8	3	0.2	2.5	3	0.2	2.8	3	0.2	5.0	3	0.1	5.0
9	2	0.2	5.8	3	0.3	7.8	3	0.4	8.0	3	0.4	7.8
10	2	0.3	7.8	2	0.3	7.3	2	0.2	6.3	2	0.2	6.0
11	2	0.2	6.5	3	0.1	3.3	3	0.1	3.0	3	0.1	3.4
12	3	0.2	2.5	3	0.2	2.0	3	0.2	2.5	3	0.2	2.0
				3	0.2	6.0	3	0.2	6.5	3	0.2	6.0
13	3	0.2	2.6	3	0.1	2.0	2	0.6	8.0	2	0.5	8.6
	3	0.3	6.5	3	0.2	6.2						
14	2	0.4	7.2	2	0.3	7.0	2	0.2	6.6	...		
15	2	0.2	6.0	...			3	0.2	4.0	3	0.2	3.8
							3	0.3	6.0			
16	3	0.2	3.4	3	0.2	2.8	...			3	0.2	3.3
17	3	0.2	2.7	3	0.2	2.7	3	0.1	5.8	3	0.1	4.0
18	3	0.2	6.0	3	0.1	2.7	3	0.1	2.5	3	0.1	2.7
		0.1	2.3									
19	3	0.1	3.0	3	0.1	4.5	2	0.1	4.6	2	0.1	4.7
20	2	0.1	5.0	2	0.1	4.7	0.0			...		
21	0.0			0.0			0.0			0.0		

International Seismological Centre

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
22	2	0.1	5.7	...			2	0.1	5.0	2	0.1	5.7
23	2	0.2	5.2	2	0.2	5.5	2	0.2	6.0	2	0.2	6.0
24	2	0.2	6.5	3	0.4	8.0	3	0.4	8.0	3	0.3	7.0
25	2	0.3	6.0	...			2	0.6	7.3	1	0.6	8.0
26	2	0.5	7.0	3	0.5	7.5	3	0.4	7.3	...		
27	3	0.5	7.0	3	0.5	7.0	...			3	0.5	6.7
28	3	0.5	6.7	3	0.7	7.3	3	0.6	7.0	3	0.6	7.5
29	2	0.6	7.3	...			2	0.6	7.0	...		
30	...			...			2	0.5	6.7	2	0.4	6.5
31	2	0.4	6.7	2	0.3	6.0	2	0.3	6.0	2	0.3	6.0

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7-3-66

International Seismological Centre

O S S E R V A T O R I O G E O F I S I C O - T R I E S T E

Viale Romolo Gessi, 4 - Italia

- February 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	3	I(d)	e	E	19 14 28	Weak
			i	N	14 32	
			i	N	14 35	
2	4	IVu	eP	Z	09 02 (29)	Slight traces
			epP	Z	03 (01)	USCGS: 24.7 N 95.3 E h = ab. 162 km
						Northern Burma H = 08.51.48.9
3	4	Iu	iP	Z	19 21 52	Traces
			eM	E	20 01,8	USCGS: 24.0 N, 122.7 E h = ab. 14 km
						Off east coast of Formosa
						H = 19.09.12.9
4	5	Iu	(e)P	Z	15 51 20	Slight traces
						USCGS: 82.8 W 8.0 N h = ab. 49 km
						South Panama H = 15.38.34.0
5	6	Iu	iP	Z	18 27 41	Slight traces
						USCGS: 44.8 N, 149.1 E h = ab. 25 km
						Kurile Islands H = 18.15.21.6
6	6	IVu	iP'	Z	22 04 18	Ab. 14200 km h = ab. 60 km
			ipP'	Z	04 32	USCGS: 6,8 S, 155,3 E h = ab. 59 km
			eiiSKP	EN	07 39	Salomon Islands Felt H = 21.45.13.5
			eSSS	E	28 29	
			eM	E	50 26	
7	6	Iu	e	Z	22 17 07	Traces
			e	Z	17 18	
			e	Z	20 50	
8	7	I	e	Z	03 06 17	Traces
9	8	IVu	e(P'1)	Z	18 09 44	Slight traces
						USCGS: 20.4 S, 178.1 W h = ab. 543 km
						Tonga Islands H = 17.50.45.2
10	9	Iu	iP'1	Z	02 28 14	17700 km h = ab. 45 km 28.2.S, 177.4 W
			ipP'1	Z	28 28	h = ab. 37 km Kermadec Islands region
			iP'2	Z	28 57	M = 6 3/4 (Pas) 6 1/4 (Berk)
			epP'2	Z	29 11	H = 02.08.15.9
			iPP	Z	32 38	
			ePPP	Z	36 22	
			eM	E	03 38,2	

MAY 2 6 1961

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N°	Date	Character	Phase		h. m. s.	Remarks
11	10	I(d)	e	N	07 34 17	Traces
12	11	Iu	eiP	Z	06 25 23	Weak. USCGS: 28.8 N 139.5 E
			i	Z	25 37	h = ab. 358 km North of Bonin
			e(SSS)	E	45,8	Island-Region H = 06.12.23,2
13	11	IVu	eP'2	Z	17 06 09	Slight traces
						USCGS: 19.8 S, 176.2 W h = 261 km
						Fiji Islands H = 16.46.24.6
14	11	Itu	eiP'1	Z	21 21 03	Weak 17600 km
			iP'2	Z	21 47	USCGS: 28.2 S, 177.5 W h = ab. 41 km
			iPP	Z	25 28	Kermadec Islands M = 6 3/4 (Pas.)
			eM	E	22 32,9	6 3/4 (Berk) H = 21.01.06.4
14	12	IVu	eP'2	Z	12 28 40	Traces
						USCGS: 15.0 S, 175.2 W h = ab. 281 km
						Samoa Islands region H = 12.09.22,0
15	12	IIu	iP	Z+	22 06 02	Ab. 9100 km
			i	Z	06 11	USCGS: 43.7 N, 147, 6 E h = ab.45 km
			i	Z	06 23	Kurile Islands M = 6 3/4 - 7 (Pas.)
			ePP	Z	09 16	7(Pal.) H = 21.53 43,5
			ePPP	Z	11 07	
			iS	N	16 13	
			iSS	E	22 37	
			iSSS	N	25 51	
			eL	N	31 49	
			iM	N	40 35	
16	12	Iu	iP	Z	23 38 55	Ab. 9100 km
			ipP	Z	39 05	USCGS: 44.0 N, 147.7 E h = ab. 23 km
			iS	N	49 (05)	Kurile Islands H = 23.26.34.5
	Station not operating from 12th Feb. - 23h 49m to 13 Feb. - 11h 01m					
17	13	Iu	(e)P	N	16 39 44	Traces Z not recording
			eM	E	17 11 16	USCGS: 43.7 N, 149.6 E h = ab. 25 km
						Kurile Islands M = 6 - 6 1/4 (Pas.)
						5½ - 5 3/4 (Pal.) H = 16.27.20.9
18	14	Iu	iP	Z	03 34 25	Traces Ab. 9150 km
			e	Z	35 26	USCGS: 43.8 N, 147.9 E h = ab. 20 km
			eS	E	44 35	Kurile Islands M = 6 - 6 1/4 (Pas.)
			eM	E	04 08 11	H = 03.22.00,7

N°	Date	Character	Phase		h. m. s.	Remarks
19	15	Iu	eP	Z	10 57 33	Ab.9100 km
			eS	N	11 07 45	USCGS: 43.7 N 147.4 E Kurile
			e L	E	24,5	Islands h = ab. 69 km
			eM	E	29,6	M = 6 - 6 1/4 (Pas.), 6 (Pal.)
						H = 10.45.15.9
20	15	Iv	e	Z	18 27 41	Traces
			i(Sg)	Z	28 23	
21	16	Iv	e(Pn)	N	02 59 15	Slight trace
			e	N	01 26	
22	16	IVv	ePn	Z	03 46 24	660 km
			e(Sn)	Z	47 24	USCGS: 41.1 N, 19.4 E
			i	Z	47 47	h = ab. 143 km Near coast of Albania
			i(Sg)	Z	48 03	H = 03.44.58.8
			i	Z	48 23	
			i	N	48 36	
23	16	Iu	eiP	Z	14 07 09	Traces
			eM	E	44,1	USCGS: 43.2 N 148.0 E h = ab. 71 km
						Kurile Islands M = 6 - 6 1/4 (Pas.)
						H = 13.54.53.7
24	17	Id	ePg	Z	14 18 16,2	60 km weak
			e	SW-NE	18 23,4	
			iSg	NW-SE	18 24,4	
			i	SW-NE	18 26,4	
25	18	I	(e)	N	11 02 48	Traces
			e	N	04 42	
26	18	Iu	eiP*1	Z	12 25 29	Traces
						USCGS: 22.6 S, 171.3 E h = 38 km
						Loyalty Islands region
						H = 12.05.36,3
27	18	Iu	iP	Z	17 11 34	Very weak 5950 km
			i	Z	11 41	USCGS: 1,3 S, 15,7 W Atlantic Ocean,
			(e)PcP	Z	12 44	north of Ascension Island h = ab. 25 km
			e	N	14 31	H = 17.02.10.0
			eM	E	31 38	

N°	Date	Character	Phase		h. m. s.	Remarks
28	21	Ir	ePn	Z	03 04 37	1280 km
			i	ZE	06 41	BCIS: 36°½ N, 23°0 E South of
			iSn	E	06 50	Peloponneso H = 03.01.50
			i	N	07 25	USCGS: 36.5 N, 23.3 E h = ab
			eSgSgSg	E	08 19	49 km
			eQ	E	08 35	Near south coast of Grece
			eM	E	09 21	H = 03.01.55.3
29	21	Iv	e	Z	22 15 26	Weak
			i(Sg)	Z	15 43	
30	22	IVu	iP'1	Z	22 13 29	Traces
			ei(P'2)	Z	14 11	USCGS: 28.4 S, 177.2 W
						h = ab 78 km Kermadec Islands
						region M = 5 3/4 (Berk) 5½ -
						5 3/4 (Pal.) H = 21.53.34.5
31	23	Ir	(e)Sn	Z	03 25 13	Weak 1610 km USCGS: 35.0 N
			e	Z	25 33	27.0 E h.= ab. 10 km Dode-.
			e(Q)	E	27 35	canese Islands H = 03.19.03,8
32	23	Ir	e	Z	03 29 48	Weak (1660)km 35.0 N, 27.3 E
			e	E	30 48	h = ab 16 km Dodecanneso Islands
			i(Q)	ZEN	31 49	region H = 03.23.16.0
33	23	IVu	eiP	Z	04 28 51	Ab. 9550 km ab 130 km
			epP	Z	29 24	USCGS: 38.2 N, 142.7 E h = ab 119 km
			e	Z	30 50	Off east coast of Honshu Japan, Felt
			iS	E	39 14	H = 04.16.25
			eSSS	E	48 16	
			eM	E	05 03,2	
34	23	Iv	e	E	16 02 37	Traces
			e	Z	03 05	
35	23	Ir	ePgPg	Z	21 49 47	BCIS: 40°½ N, 25°½ E Northern Egeo sea
			e	Z	49 53	Some discordant data H = 21.46.30
			iSgSgSg	E	52 40	USCGS: 37.3 N, 27.5 E h = ab 25 km
			iM	E	54 10	Dodecannese Islands H = 21.45.51,5
36	23	I(r)	e	E	22 04 20	Obscured by preceding shock
			i(M)	E	05 38	
37	24	Iu	eP	Z	03 16 52	Traces
						USCGS: 26.1 N, 125.4 E h = ab 25 km
						Reyky Islands H = 03.04.11.7

Nº	Date	Character	Phase		h. m. s.	Remarks
38	25	lu	eP'1	Z	15 21 48	Traces USCGS: 15.4 S 175.8 W h = ab 62 km Samoa Islands region H = 15.02.04.8
39	26	lu	ePP	Z	06 10 55	Traces
			e(SKP)	E	11 46	USCGS: 32.7 S 111.2 W h = ab 29 km Easter Island region M = 6½ - 6 3/4 (Pas) 6 (Berk) 5½ - 51/4 (Pal.) H = 05.48.46,3
40	26	IIIu	iIP	Z+	18 23 19	Ab 9450 km h = ab 60 km
			ipP	Z	23 34	31.4 N, 131.2 E h = 54 km
			i(PP)	N	26 38	Near coast of Kyushu Japan
			(e)PPP	Z	28 35	M = 7 - 7 1/4 (Pas) 7 (Berk),
			iIS	N	33 42	7 1/4 (Pal.) H = 18.10.48.7
			isS	N	34 06	1 Killed, several injured and
			eSP	N	34 35	extensive property damage at
			isSP	N	35 (04)	Mijazaki 3 ft tsunami observed
			eSS	N	39 37	in South west Shikoku
			eSSS	N	43 11	
			iL	N	51 43	
			iM	N	57 49	
41	26	lu	i	Z	18 30 08	Obscured by preceding shock
			e	Z	33 45	
			ei	Z	34 17	
42	26	lu	e	Z	21 14 08	Slight trace USCGS: 16.0 N, 121.6 E h = ab.32 km H = 21.01.04.8 Luzon Philippine Is.Felt
43	27	lu	eP	Z	13 18 57	Traces USCGS: 52.5 N, 168.8 W h = ab 56 km Fox Islands, Auletian Islands H = 13.06.35,8
44	27	lu	eP	Z	15 57 08	Slight trace. USCGS: 98 N 84.4 W ab. 97 km Near coast of Costa Ri- ca minor damage at San Jose H = 15.44.19,8
45	27	Ir	ePn	Z	21 43 20	(1500) km
			e	Z	47 05	
			e	N	47 28	
			e	EN	48 23	

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N°	Date	Character	Phase		h. m. s.	Remarks
46	27	Ir	ePn	Z	21 57 44	Ab. 1500 km
			eSgSgSg	N	22 01 56	USCGS: 36.2 N 26,9 E
						h = ab. 32 km Aegean Sea
						H = 21.54.30,6

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O S S E R V A T O R I O G E O F I S I C O - T R I E S T E

Viale Romolo Gessi, 4 - Italia

- February 1961 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N-S	8.3	2.500	∞	Foto
" " "	E-W	8.1	3.424	∞	"
" " "	Z	3.4	1.819	∞	"

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.3	6.4	2	0.2	5.7	2	0.2	5.5	1	0.2	3.0
2	1	0.2	3.3	1	0.2	3.3	3	0.2	6.6	3	0.8	9.6
3	3	1.0	9.0	...			1	0.5	3.4	1	0.3	3.5
4	3	0.3	5.8	3	0.2	5.7	3	0.3	6.3	3	0.2	6.3
5	2	0.2	6.2	2	0.2	6.3	2	0.1	5.3	2	0.1	5.5
6	2	0.2	5.6	2	0.2	5.8	2	0.2	5.2	2	0.2	5.7
7	...			2	0.2	6.5	2	0.2	5.7	2	0.1	5.6
8	1	0.1	3.0	1	0.1	3.3	1	0.1	3.6	2	0.1	5.5
9	2	0.2	6.0	2	0.3	6.5	2	0.4	7.1	2	0.3	6.7
10	2	0.3	6.5	2	0.3	6.7	2	0.3	6.7	2	0.3	7.2
11	2	0.3	6.4	2	0.2	6.4	2	0.2	6.7	2	0.2	7.0
12	2	0.1	6.0	2	0.1	6.0	2	0.1	6.0	2	0.1	5.3
13	...			...			2	0.1	6.0	...		
14	2	0.1	5.7	2	0.2	6.0	2	0.1	5.7	2	0.1	5.7
15	2	0.1	5.3	2	0.1	4.8	....			0.0		
16	0.0			0.0			0.0			0.0		
17	3	0.1	5.8	3	0.1	5.2	3	0.2	5.3	3	0.1	5.5
18	2	0.1	5.3	...			0.0			0.0		
19	2	0.1	5.3	2	0.1	5.5	2	0.1	6.0	2	0.2	6.3
20	2	0.2	7.2	2	0.3	7.7	2	0.3	6.7	2	0.4	7.2
21	2	0.3	7.0	2	0.3	7.0	2	0.2	7.0	2	0.2	6.7
22	2	0.2	6.0	2	0.1	5.6	2	0.1	5.6	2	0.1	5.9
23	2	0.1	6.2	...			2	0.2	6.2	2	0.2	6.5
24	2	0.2	6.7	2	0.1	6.5	2	0.1	6.0	2	0.1	5.8
25	2	0.1	6.3	2	0.1	6.3	2	0.1	5.3	2	0.1	5.8
26	2	0.1	5.7	2	0.1	5.9	2	0.1	5.7	2	0.1	6.2
27	2	0.2	6.0	2	0.2	6.5	2	0.3	5.8	2	0.3	6.7
28	2	0.3	7.4	...			2	0.2	6.8	2	0.2	6.8

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O S S E R V A T O R I O G E O F I S I C O - T R I E S T E

Viale Romolo Gessi, 4 - Italia

- March 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	lu	eP	Z	14 42 30	Slight trace
						USCGS: 18,9 S 11.6 W h = ab 68 km
						South Atlantic Ocean H = 14.31.29.9
2	3	l(d)	e	N	02 30 49	Traces
3	3	lu	eP'1	Z	06 45 29	Traces
			i	Z	45 34	USCGS: 22.9 S, 171.4 E h = ab. 27 km
			iPPP	Z	52 (42)	Loyalty Islands region H = 06.25.37.9
4	3	ld	ePg	Z	14 12 41,0	50 km - weak
			i	Z	12 45,4	
			i(Sg)	Z	12 47.6	
5	6	l	e	E	08 26 39	Traces
6	7	lllu	iP'1	Z-	10 30 36	Ab. 17850 km h = ab. 40 km 28.2 S, 175.7 W
			ipP'1	Z	30 48	h = ab 43 km Kermadec Islands region
			i	Z	31 21	
			iP'2	Z	31 25	M = 7 1/4 - 7½ (Pas) (Berk) 7 - 7½ (Pal)
			ePP	Z	35 06	H = 10.10.38.9
			iPPP	Z	38 53	
			i	N	41 50	
			i	N	42 33	
			eSPP	E	48 39	
			iSS	E	55 17	
			iSSP	E	56 23	
			eSSS	E	11 01 33	
			eL	N	26,8	
			eM	N	37,0	
7	7	lVu	eP'	Z	23 30 58	Traces
						USCGS: 4.7 S, 153.2 E h = 90 km
						New Britain region Felt H = 23.11.59.6
8	8	lv	e	N	05 53 32	Traces
			i	E	53 41	
			i(Sg)	EN	53 57	

MAY 2 9 1961

N°	Date	Character	Phase		h. m. s.	Remarks
9	9	lu	eP	Z	04 09 06	Very weak 6450 km
			ePP	Z	11 25	USCGS: 10.9 N, 41.7 W
			ePPP	Z	12 39	h = ab 27 km
			eS	E	17 11	Atlantic Ocean H = 03.59.08.7
			eM	E	30 42	
10	10	lv	ePn	Z	01 53 40	(330) km
			ePg	Z	53 47	
			i	E	54 10	
			i(Sg)	Z	54 28	
11	11	lu	eP	Z	01 43 45	8900 km
			eS	N	53 47	USCGS: 48,7 N, 154.6 E
			e(SS)	E	58 25	h = ab 26 km Kurili Islands
			eL	E	02 08,6	M = 6½ (Berk) H = 01.31.34.4
			eM	E	14,8	
12	11	l	e	N	06 00 33	Slight trace
13	11	lr	eiP	Z	08 48 59	4750 km
			ePP	Z	50 33	USCGS: 11.2 N, 43.3 E h = ab 18 km
			e	Z	50 42	Near coast of British Somaliland
			ePPP	Z	51 16	H = 08.41.00.0
			eS	NE	55 22	BCIS: 11.8 N, 43°0 E H = 08.41.06
			eSS	E	58 36	Golf of Tadjourah (Côte Frangaise
			eM	E	09 07,2	des Somalis)
						SERVICE METEOROLOGIQUE DE LA COTE
						FRANCAISE DES SOMALIS: Felt VI-VII at
						Djibouti and slight damages;
						equally felt at Tadjourah , and
						less forcibly at Ali-Sabieh and
						Dikhil, a quarantine of repetition
14	11	l	e	Z	19 11 40	Slight trace
15	12	IV u	eiP'1	Z	23 41 35	Traces
			iP'2	Z	42 21	USCGS: 28.4 S, 176.0 W h = ab 113 km
			ePP	Z	46 15	Tonga Islands region M = 6 1/4 - 6½
						(Berk) H = 23.21.42.5
16	13	lu	eP	Z	08 17 18	Traces
			eL	E	50,2	USCGS: 19.2 N, 107.3 W h = ab 49 km
			eM	E	58,7	Off neast coast of Mexico
						M = 6 1/4 - 5½ (Pas)
						H = 08.03.43.9
17	13	lr	(e)Q	N	15 39 48	Traces
						USCGS: 35.8 N 26.6 E h = ab 25 km
						Isole del Dodecanneso
						H = 15.31.56.0

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N°	Date	Character	Phase		h. m. s.	Remarks
18	13	ir	(e)Pn	Z	19 20 48	Ab. 1650 km
			e	Z	22 57	USCGS: 34.4 N, 26.5 E
			eSn	Z	23 42	h = ab 25 km
			e	E	24 20	Creta H = 19.17.16.1
			i	N	25 23	
			iSgSgSg	E	25 35	
19	13	i	e	Z	21 35 15	Slight traces
20	14	iu	eP'1	Z	01 31 51	Traces
			eP'2	Z	32 (07)	USCGS: 16,9 S, 176,5 W h = ab. 60 km
						Tonga Islands region
						H = 01.11.55.4
21	14	i	e	Z	13 54 31	Slight traces
22	15	iv	ePg	Z	01 50 22	265 km
			e	Z	50 34	BCIS: 46°7 N, 10° 8 E
			eSn	ZN	50 46	Austria Otztal Alps, felt at Sent
			i	ZN	50 51	(Low Eugadine, Switzerland)
			iSb	Z	50 53	H = 01.49.38
23	15	iu	(e)P*	Z	10 33 59	Traces
			e	Z	35 15	USCGS: 3,3 S, 150.7 E
			e(PP)	Z	35 42	h = ab 21 km
			eL		11 16 08	New Ireland region
			eM		24(00)	Felt: (Rabaul) Mag 6 (Pas)
						H = 10.14.55.5
24	16	iu	eP	Z	05 10 20	Traces
						USCGS: 51.7 N, 176.1 E
						h = ab 39 km
						Rab Islands Auletian, Islands
						H = 04.58.00.4
25	16	i	e	Z	07 27 37	Traces
26	16	iu	ePP	Z	11 39 11	Traces
						USCGS: 6.4 S, 130.7 E
						Banda Sea h = ab 77 km
						H = 11.19.43.5
27	16	iu	ePP	Z	14 04 28	12000 km
			ePPP	E	06 52	USCGS: 8,2 S, 122.0 E
			eSKS	E	10 34	h = ab 74 km
			eSKKS	E	11 17	Flores Islands, Casualties
			eSS	E	10 36	and major property damage at
			eSSS	E	23,7	Ende M = 6 1/4 (Pas)
			eM	E	44,7	6 1/4 - 6½ (Pal) H = 13.45.35.6

N°	Date	Character	Phase		h. m. s.	Remarks
28	16	Ir	e	Z	14 19 12	Traces
29	17	IVu	eP'2	Z	14 27 10	Slight traces USCGS: 23.8 S, 175.9 W h = ab 120 km Tonga Islands region H = 14.06.51.6
30	17	Iu	eP'1	Z	20 30 29	Traces
			e	Z	30 41	USCGS: 24.3 S, 175.6 W
			e	Z	31 06	h = ab 79 km Tonga Islands
			eM	E	21 49,5	region M = 6 (Pas) H = 20.10.36.4
31	18	Iu	(e)P'1	Z	15 15 01	Ab 17650 km
			iP'2	Z	15 37	USCGS: 49.9 S, 163.3 E
			eSKP	E	18 44	h = ab 38 km South of New Zealand
			iPP	Z	19 14	M = 6 3/4 - 7 (Pas) 6½ - 6 1/4
			ePPP	N	22 50	(Berk) 6½ (Pal)
			e(SS)	N	39 26	H = 14.54.59.3
			i(SSP)	E	40 22	
			eSSS	N	46 09	
			eM	E	16 15 16	
32	19	Iu	(e)P'	Z	07 34 37	Traces - obscured by microseisms
						USCGS: 16,0 S, 168.2 E h = ab 90 km
						New Hebrides Islands H = 07.14.57.4
33	20	IVu	eM	E	06 59,8	Traces USCGS: 11.5 N; 86.3 W h = ab 122 km Off west coast of Nicaragua Felt at M = 6 - 6 1/4 (Pas) H = 06.16.23.9
34	20	IVu	eiP'1	Z	16 12 43	16850 km h = ab 175 km
			epP'2	Z	13 32	USCGS: 18.4 S, 175.2 W
			iPP	Z	16 30	h = ab 175 km Tonga Islands
			ei(PSKS)	N	26 45	M = 6½ - 6 3/4 (Pas) (Berk)
			eSPP	N	29 28	H = 15.53 09.9
			iSS	E	35 39	
35	21	Iu	eP'1	Z	00 02 32	Ab 17450 km h = ab 50 km
			epP'1	Z	02 45	USCGS: 24.2 S, 175.9 W
			ep'2	Z	03 05	h = ab 25 km Tonga Islands region
			ePP	Z	06 46	H = 23.42.33.9 M = 6 1/4 (Pas)
			eM	E	01 07,9	6½ (Pal)

N°	Date	Character	Phase		h. m. s.	Remarks
36	22	Iv	e	N	00 38 44	Traces
			e	N	39 17	
			e	N	39 25	
37	23	IVv	iPn	N	01 02 32	245 km deep
			i(PgPg)	N	02 39	BCIS 44° N, 12° 7 E Italian coast
			iSg	E	03 07	of Adriatic sea, Rimini region
			iSgSg	NW SE	03 16	H = 01.01.59
			eM	SW NE	03 27	USCGS: 43.5 N, 12.9. E h = ab 116 km
						Near coast of north eastern Italy
						H = 01.02.01.6
38	24	Iv	eSn	N	10 39 27	900 km traces
			e	N	39 36	
			eQ	E	40 38	
			eM	N	41 12	
39	24	Iv	e	N	16 13 16	Traces
			e	N	14 49	
40	24	Iu	eiP	Z	23 09 49	9600 km weak
			ePP	Z	13 12	USCGS: 35.3 N, 140.9 E h = ab 102 km
			ePPP	Z	15 03	Near east coast of Honshu Japan
			eiS	E	20 11	H = 22.57.14.2
			eM	E	45,6	
41	24	I	e	N	23 54 05	Traces
42	25	Iv	e	N	05 20 51	Slight trace
			e	N	21 24	
			e	N	21 54	
			e	N	22 03	
43	25	I	e	N	13 21 05	Traces
			e	N	22 57	
44	25	IVu	eP	Z	21 11 19	Traces
						USCGS: 37.1 S, 51.6 E
						h = ab 137 km Indian Ocean about 800
						miles south of Malagary Republic
						H = 20.58.41.9
45	28	IVu	e	Z	09 53 07	11350 km
			eiPP	Z	54 13	USCGS: 02 N 123.6 E h = ab 83 km
			i	Z	57 10	Northern Celebes M = 6 3/4 (Pas)
			iSKS	EN	10 00 19	7 (Pal) H = 09.35.55.4
			iS	E	01 20	
			iPS	E	03 37	
			i	E	04 15	
			eSS	E	08 41	
			eL	E	26,9	

N°	Date	Character	Phase		h. m. s.	Remarks
46	28	I	e	Z	10 14 04	Traces
47	28	Iu	eS	N	51 47	Traces
			e	N	53 02	USCGS: 51.7 N, 176.2 W h = ab 60 km
			eM	E	13 12,9	Andreanof Islands Auletian Islands
						M = 6 1/4 (Pas) 5½ (Pal)
						H = 12.29.12.7
48	28	Iu	ePP	Z	21 19 37	Weak 11.100 km
			e	Z	19 43	USCGS: 22.0 S, 68.0 W, h = ab.125 km
			iSKKS	E	26 09	Chile - Bolivia border region
			isSKKS	N	27 07	Felt Antofagasta Mag 6 (Pas)
			iSS	E	34 03	H = 21.01.56.2
49	30	Iu	eL	E	08 29,1	Traces
						USCGS: 22.0 N, 107.8 W h = ab 20 km
						Gulf of California M = 5½ (Pal)
						H = 07.42 59.4
50	30	Iu	iP'1	Z	09 09 38	Traces
			eM	N	10 16,4	USCGS: 15,2 S, 172.8 W h = ab 25 km
						Samoa Islands region M = 5 3/4 - 6
						(Pas) H = 08.49.45.6

C. PUPIS

International Seismological Centre

O S S E R V A T O R I O G E O F I S I C O - T R I E S T E

Viale Romolo Gessi, 4 - Italia

- March 1961 -

Constants of the Station

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N-S	8.3	2.500	∞	Foto
Alfani 3 kg	E-W	8.1	3.424	∞	Foto
Alfani 3 kg	Z	3.4	1.819	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.2	6.0	2	0.2	6.0	2	0.2	5.5	2	0.2	5.7
2	3	0.2	6.7	3	0.2	6.0	3	0.2	3.0	...		
	3	0.2	2.2	3	0.2	2.2						
3	...			...			2	0.2	6.7	2	0.2	6.7
4	2	0.2	6.7	2	0.2	7.0	3	0.2	5.9	3	0.2	5.8
5	3	0.2	6.2	3	0.2	6.3	3	0.2	6.0	2	0.2	5.5
6	2	0.2	6.0	2	0.2	6.0	2	0.2	6.1	2	0.2	6.3
7	2	0.2	6.1	2	0.2	5.5	...			2	0.2	5.0
8	2	0.2	5.8	2	0.2	5.8	2	0.2	6.2	2	0.2	6.5
9	2	0.2	6.5	2	0.2	6.5	2	0.3	6.7	2	0.3	6.7
10	2	0.3	6.5	2	0.2	6.5	2	0.2	6.2	2	0.2	6.5
11	2	0.3	6.5	2	0.2	6.3	2	0.2	6.7	2	0.2	6.7
12	2	0.3	6.7	2	0.3	6.3	2	0.3	5.7	2	0.3	5.7
13	2	0.3	6.3	2	0.4	6.3	2	0.3	6.3	2	0.3	6.0
14	2	0.3	5.7	2	0.2	5.5	2	0.1	5.7	2	0.1	5.7
15	2	0.1	5.5	2	0.2	6.3	2	0.2	6.5	2	0.2	6.2
16	2	0.2	5.7	2	0.2	6.0	2	0.2	6.5	2	0.2	6.5
17	2	0.2	6.2	2	0.2	5.5	2	0.2	5.5	2	0.1	5.0
18	2	0.1	5.0	2	0.1	5.3	2	0.1	5.7	2	0.1	4.8
19	2	0.1	5.2	2	0.1	5.2	0.0			...		
20	1	0.1	2.5	0.0			0.0			2	0.1	5.3
21	2	0.1	5.7	2	0.1	5.3	2	0.1	5.2	0.0		
22	...			...			3	0.1	3.0	0.0		
23	...			...			2	0.1	4.6	2	0.1	4.6
24	2	0.1	4.8	2	0.1	5.0	2	0.1	4.6	2	0.1	4.6
25	...			2	0.1	5.0	...			...		
26	...			...			1	0.4	6.6	1	0.3	7.0
27	1	0.5	6.4	1	0.4	6.6	1	0.3	6.0	1	0.4	6.5
28	1	0.2	6.3	3	0.2	5.8	...			3	0.1	5.0
29	3	0.1	5.3	3	0.1	5.0	3	0.1	5.0	0.0		
30	0.0			0.0			0.0			0.0		
31	0.0			0.0			...			...		

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7-6-61
Gmc

International Seismological Centre

OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo Gessi, 4 - Italia

- April 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	IIIu	eiP	Z	15 26 51	5100 km
			i	Z	28 29	USCGS: 39.6 N, 77.7 E h = ab 21 km
			iPP	Z	28 36	Sinkiang Provincie, China
			iS	E	33 32	M = 6 (Pal) H = 15.18.22.8
			i	N	33 40	
			iSS	E	36 48	
			iM	N	43 51	
2	2	I	e	E	03 56 17	Traces
3	4	Iu	eP	Z	01 26 23	Traces
						USCGS: 39.7 N, 78.1 E, h = ab 81 km
						Sinkiang, Provincie, China
						H = 01.17.59.3
4	4	Iu	eP	Z	09 55 06	5150 km
			i	Z	55 09	USCGS: 40.1 N, 77.8 E h = ab 16 km
			ePP	ZE	57 (00)	Sinkiang, Provincie, China
			ePPP	Z	57 46	H = 09.46.36.6
			eS	EN	10 02 (00)	
			iSS	E	05 34	
			iM	E	12 47	
5	5	Iu	eP	Z	06 55 29	Slight trace
						USCGS: 39.7 N, 78.1 E h = ab 79 km
						Sinkiang Provincie China
						H = 06.47.07.4
6	5	Id	iPg	N	07 16 21.4	Traces
			iSg	N	16 23.3	
7	6	Iu	eP	ZN	01 42 15	Traces
			eM	E	02 02,8	USCGS: 40.1 N, 77.8 E, h = ab 33 km
						Sinkiang Provincie, China H = 01.33.46.9

On 6 April Alfani not recording from $06^h\ 43^m$ to $18^h\ 25^m$

8	6	Iu	eS	EN	18 25 54	USCGS: 27.8 N, 56.7 E h = ab 109 km
			eL	N	30 15	Southern Iran H = 18.12.40.7
			eM	N	33,6	
9	7	I(v)	e	Z	06 47 08	Traces
			e	E	48 48	

JUL 3 1961

Nº	Date	Character	Phase		h. m. s.	Remarks
10	7	Iu	eP	Z	20 06 31	Traces
			eM	E	38.0	USCGS: 57.2 N, 163.3 E
						h = ab 20 km Near east coast of
						Kamchatka 19.54.51.9
11	7	Ir	eiP	Z	21 25 46	4950 km weak h = ab 45 km
			epP	Z	25 57	39.3 N, 73.0 E h = ab 44 km
			ePP	Z	27 35	USCGS: Kirghiz - Tadzhik border
			eS	E	32 13	Felt: Tashkent H = 21.17.43.8
			eM	E	44,2	
12	8	Iu	eP	Z	09 17 05	Traces
						USCGS: 2.1 S,79.1 W h = ab 24 km
						Ecuador H = 09.03.48.9
13	8	Iu	eP'	Z	16 19 23	Traces - USCGS: 18.2 S, 168.6 E
			ePP	Z	22 41	h = ab 120 km
			e	Z	25 26	New Hebrides Islands region
						H = 15.59.49.2
14	8	Iu	ePP	Z	18 19 13	12650 km
			ePPP	Z	21 48	USCGS: 38.2 S, 72.7 W
			e(PS)	E	29 (01)	h = ab 60 km Chile M = 6½ (Pas)
			eM	E	19 02 33	5 3/4 - 6 (Pal) H = 17.59.46.7
15	8	Iu	(e)PP	Z	21 55 04	Traces
						USCGS: 14.8 N, 145.1 E
						h = ab 105 km Mariana Islands
						region M = 6½ (Pas) H = 21.36.41.6
16	9	Iu	eM	E	08 11,3	Traces
						USCGS: 36.5 N, 121.3 W h = 11 km
						S. Benito County, California
						moderate property damage at and
						near Hollister M = 5 3/4 (Pas)
						5½ - 5 3/4 (Berk) 6 (Pal)
						H = 07.23.16.0
17	9	IIu	iP	ZE	15 47 44	9500 km
			ePP	Z	51 07	USCGS: 24.1 N, 122.2 E
			e	E	51 19	h = ab 13 km Near coast of Formosa
			iSKS	E	58 04	M = 6 (Pas) H = 15.35.05,4
			eiSP	E	59 12	
			eSS	E	16 04 37	
			eL	N	17 43	
			iM	E	25 14	

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N°	Date	Character	Phase		h. m. s.	Remarks
18	10	Iv	e(Sn)	E	06 57 50	(380) km
			iSg	Z	58 07	Traces
			e	Z	58 30	
19	12	Iv	e	N	00 44 54	Traces
			e(Sg)	ZE	45 48	
20	12	Iv	e	Z	14 45 28	Traces
			iSg	N	14 45 58	
21	12	Iu	eP	Z	22 33 21	9900 km h = ab 60 km
			epP	Z	33 40	USCGS: 13.1 N, 88.9 W
			e	Z	34 32	H = ab 122 km El Salvador, Minor
			ez	Z	37 19	
			iSKS	E	43 45	damage at S. Salvador and Southern
			e(SP)	E	45 18	El Salvador M = 5 3/4 - 6 (Pas)
			eM	E	23 05,2	H = 22.20.33.6
22	13	IIIu	iP	Z+NE	16 43 06	5400 km
			ePP	Z	44 53	USCGS: 40.1 N, 77.8 E h = ab 19 km
			iS	E	50 08	Sinkiang, China H = 16.34.39.1
			iISS	E	53 32	
			i	E	55 33	
			eL	N	57 36	
			iM	EN	17 01 37	
23	13	Iu	eP'1	Z	17 32 29	Slight trace Obscured by preceding shock
						USCGS: 15.5 S, 173.1 W h = ab 25 km
						Samoa Islands region H = 17.12.36.4
24	15	Iv	i	N	00 40 19	Traces
			i	N	40 21	
			i	N	40 35	
25	16	I	e	Z	11 52 32	Slight trace
26	17	Iv	ePg	E	16 06 20	410 km
			ePgPgPg	Z	06 34	
			iSn	E	06 54	
			iSb	E	07 08	
			iSg	E	07 13	
			I(M)	E	07 36	
27	19	Iv	eSg	N	00 18 28	Slight trace
			eSgSg	Z	18 31	BCIS: H = 00.16.12 48°18'N, 9.°00 E
						(from Stuttgart)Raichberg (Jura Souabe)
						Felt V-VI into the epicentral zone
						and III-IV in Stuttgart Ludwigsburg,
						Waibligen, Leonberg regions
						Zurich: Felt in Switzerland

N°	Date	Character	Phase		h. m. s.	Remarks
28	19	lu	iP	ZN	16 24 46	Traces
						USCGS: 44,2 N, 148.0 E h = ab 51 km
						Kurile Islands H = 16.12.28.7
29	19	lu	eP	ZN	20 32 10	Traces
			e(M)	E	21 04,1	USCGS: 44.6 N, 150.2 E h = ab 27 km
						Kurile Islands H = 20.19.46.4
30	20	ld	ePg	Z	08 02 43.8	80 km weak
			lSg	N	02 54.9	
31	20	lu	eP'1	Z	21 58 54	Weak 16.600 km
			iP'2	Z	59 10	USCGS: 15,2 S, 173.7 W h = ab 25 km
			I	Z	59 16	South of Samoa Islands Felt: Apia
			eSS	E	22 21 40	M = 6 - 6 1/4 (Pas) H = 21.39.07.0
			eL	E	52,1	
			eM	E	23 01 41	
32	21	lu	eM	N	20 21 14	Slight trace
33	21	lu	eP	Z	20 22 53	Weak ab 9000 km
			e	Z	23 08	USCGS: 47.7 N, 154.6 E h = ab 27 km
			e(PP)	Z	26 18	Kurile Islands H = 20.10.38.3
			(e)S	E	33 07	
			e	N	34 09	
			eM	E	55 55	

Alfani not recording from 22nd april - 19h 29m to 23rd april - 12h 28m

34	23	lu	(e)P	SW-NE	09 14 04	Weak ab 9200 km Alfani not recording
			(e)S	SW-NE	24 26	USCGS: 44.6 N, 150.2 E h = ab 44 km
			eL	NW-SE	44,0	Kurile Islands M = 6 1/4 (Pas) 6½
						(Berk) (Pal) H = 09.01.41.8
35	23	lu	eP	Z	17 03 23	Traces
			eM	E	34,9	USCGS: 44.5 N, 150.1 E h = ab 76 km
						Kurile Islands H = 16.51.03,6
36	25	lu	e(S)	E	01 40 10	Traces - obscured by microseisms
			e(L)	E	02 00,1	USCGS: 44.5 N, 150,0 E h = ab 78 km
			eM	N	02,5	Kurile Islands H = 01.17.42.7
37	26	lu	eP	Z	07 51 17	Weak - 9100 km surface waves lost in
			e(S)	E	08 01 42	chart changing
			eSSS	E	10 40	USCGS: 44.6 N, 149.9 E h = ab 20 km
						Kurile Islands M = 6 (Berk) 5 3/4 - 6
						(Pal) H = 07.38.54.1
38	28	l(d)	e	N	19 32 22	Slight traces
			e	N	32 31	

N°	Date	Character	Phase		h. m. s.	Remarks
39	28	Iv	(e)PgPg	Z	20 50 20	510 km
			e	Z	50 41	BCIS: H = 20.48.50 h = 20 km
			e	Z	50 46	Stuttgart and Strasbourg 47° 7 N,
			e	Z	51 09	7°9 E South Border of the "Foret
			iSg	ZE	51 20	Noire"(Federal Germanic Republic)
			iSgSg	Z	51 23	Vehemently felt (VI+) in proxi
			eM	E	51 51	mity of the epicenter radius macro
						seismic superior than 120 km
40	29	Iu	eP	Z	09 32 18	9750 km h = ab 25 km obscured by
			ipP	Z	32 25	subsequent shock
			e	N	39 37	USCGS: 40,6 N, 127.5 W h = ab. 26 km
			eS	E	43 (00)	off coast of northern California
			eM	E	10 06 40	M = 5½ - 5 3/4 (Pas) 5½ (Berk)
						5½ - 5 3/4 (Pal) H = 09.19.28.3
41	29	IIr	iP	Z	09 35 01	3150 km
			iS	N	39 46	BCIS: Atlantic Ocean 72° N, 7°½ W
			e	E	40 30	North of Jan Mayan Island
			iL	N	42 31	H = 09.29.05
			iM	E	45 26	USCGS: 71.3 7.4 W h = ab 14 km
			i	N	46 29	Jan Mayan Island region
						H = 09.29.09.5
42	29	I	e(M)		11 19,1	Traces
43	30	Ir	iS	N	07 45 06	Ab 3300 km obscured by microseisms
			eL	E	48,5	USCGS: 52.0 N, 31.9 W h = ab 38 km
			eM	E	50,2	North Atlantic ocean M = 5½ - 5 3/4
						(Pal) H = 07.33.53,5
44	30	Iu	eM	E	11 58,1	Traces - obscured by microseisms
						USCGS: 44.6 N, 149.7 E h = ab 70 km
						Kurile Islands H = 11.15.19.8
45	30	Iu	iP'1	Z	15 08 09	Traces - obscured by microseisms
			eP'2	Z	15 08 32	USCGS: 15.3 S, 174.4 W h = ab 25 km
			eM	E	16 13,7	Samoa Islands region
46	30	Iv	e	E	18 26 40	Weak
			e	N	27 15	
			e	N	28 15	

C.PUPIS

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OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo Gessi, 4 - Italia

- April 1961 -

Constants of the Station

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N-S	8.3	2.500	∞	Foto
Alfani 3 kg	E-W	8.1	3.424	∞	Foto
Alfani 3 kg	Z	3.4	1.819	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	...			...			0.0			0.0		
2	0.0			0.0			2	0.1	5.0	2	0.1	5.0
3	2	0.1	5.0	2	0.1	5.0	2	0.1	5.3	2	0.1	5.3
4	2	0.1	5.0	2	0.1	5.0	2	0.1	5.0	2	0.1	5.3
5	2	0.1	4.8	2	0.1	4.7	2	0.1	4.5	2	0.1	4.8
6	2	0.1	4.5	2	0.1	4.5						

Constants of the Station (from 7 april 1961)

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N-S	9.3	3.215	∞	Foto
Alfani 3 kg	E-W	9.6	2.947	∞	Foto
Alfani 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
7	0.0			...			0.0			0.0		
8	0.0			0.0			0.0			0.0		
9	2	0.1	5.3	2	0.1	5.5	2	0.1	5.0	3	0.1	5.0

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
10	3	0.1	5.2	...			2	0.2	7.5	2	0.3	7.2
11	2	0.3	7.0	2	0.2	6.5	2	0.2	7.2	2	0.2	7.2
12	2	0.2	6.7	2	0.2	6.0	2	0.2	6.0	2	0.2	5.7
13	2	0.2	5.7	2	0.2	5.5	2	0.1	5.5	...		
14	2	0.1	5.5	...			2	0.1	5.2	2	0.1	5.0
15	2	0.1	5.2	2	0.1	5.0	2	0.1	5.0	...		
16	3	0.1	5.0	3	0.1	5.0	0.0			2	0.1	4.3
17	2	0.1	4.7	3	0.1	3.0	3	0.1	4.0	3	0.1	4.0
18	3	0.2	4.2	3	0.2	4.7	...			...		
19	...			...			2	0.1	4.5	2	0.1	4.7
20	2	0.1	4.7	2	0.1	5.0	2	0.1	5.0	2	0.1	5.5
21	2	0.1	5.0	0.0			0.0			2	0.1	5.8
22	2	0.1	5.7	2	0.1	5.7	2	0.1	5.7	...		
23	...			...			...			...		
24	3	0.1	2.0	3	0.2	3.0	3	0.2	3.0	3	0.2	2.8
25	3	0.1	2.5	3	0.1	2.5	2	0.2	5.0	2	0.1	4.3
26	2	0.1	5.0	2	0.1	5.7	2	0.1	5.5	2	0.1	4.8
27	2	0.2	4.7	3	0.1	2.5	0.0			0.0		
28	0.0			0.0			0.0			0.0		
29	0.0			0.0			3	0.1	2.5	3	0.1	3.0
30	3	0.2	3.0	3	0.2	3.0	...			2	0.1	4.7

C. PUPIS

8-1-61

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- Seismological Bulletin -

- May 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	Iu	eP	Z	12 31 56	Traces
			e	Z	32 07	USCGS: 40.6 N, 125.7 W
						h = ab 29 km Off coast of
						northern California H = 12.19.05.6
2	1	Iv	(e)	E	14 24 35	Traces
			e	Z	25 11	
			e	N	26 05	
3	1	Iu	eP	Z	18 58 14	Traces
						USCGS: 40.7 N, 127.3 W h = ab 69 km
						off coast northern California
						H = 18.45.28.9
4	2	Ir	eM	N	03 29,1	Traces
						USCGS: 71.2 N, 6,9 W h = ab 22 km
						Jan Majen Island region
						H = 03.11.45.7
5	2	Iu	eiP'1	Z	19 10 42	Traces
			eP'2	Z	10 55	USCGS: 15.2 S, 173.1 W h = ab 71 km
						Samoa Islands region H = 18.50.57.5
6	2	Iu	eP'2	Z	19 58 53	Traces
						USCGS: 27.8 S 176.4 W h = ab.53 km
						Kermadec Islands region
						H = 19.38.13.5
7	2	Iu	eP'2	Z	20 00 16	Traces
						USCGS: 27.5 S, 176.7 W
						H = ab 77 km Kermadec Islands
						region H = 19.39.38.2
8	2	Iu	eP	Z	22 50 41	Traces
						USCGS: 40.8 N, 127.0 W h = ab.22 km
						Off coast of northern California
						H = 22.37.55.5
9	2	IIu	eiP'1	Z	23 04 43	Ab. 17800 km
			iP'2	Z	05 25	USCGS: 27.8 S 176.5 W h = ab 47 km
			eSKP	N	08 23	Kermadec Islands region
			ePP	N	09 05	M = 6 3/4 (Pas) 6 1/4 - 6½ (Berk)
			ePPP	Z	12 40	6 1/4 (Pal) H = 22.44.44.3
			ei	N	16 41	
			ePSKS	N	19 11	
			eSS	E	29 21	
			eSSS	N	35 37	
			eM	N	00 13,7	

JUL 24 1961

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N°	Date	Character	Phase		h. m. s.	Remarks
10	2	I	e(P'2)	Z	23 44 40	Slight traces
						USCGS: 27.7 S, 176.4 W h = ab.84 km
						Kermadec Islands region H = 23.24.03.6
11	3	Iu	èiP	Z	00 36 04	Ab. 6400 km obscured by preceeding
			e	Z	36 48	shocks
						USCGS: 1.0 N, 26.4 W h = ab. 25 km
						Mid Atlantic Ocean H = 00.26.17.0
12	4	Iu	eP	Z	02 30 22	Traces
						USCGS: 40.6 N, 127.1 W h = ab.25 km
						Off coast of northern California
						H = 02.17.34.0
13	4	IVu	(e)P'1	Z	03 51 31	Slight trace
			eP'2	Z	51 55	USCGS: 17.9 S, 178.5 W h = ab 601 km
						Fiji Islands region H = 03.33.03,5
14	4	Iu	eP	Z	07 10 23	Traces
						USCGS: 17.7 N, 46.4 W h = ab. 19 km
						Atlantic Ocean H = 07.00.32.9
15	4	Id	i	N	13 40 18	Slight trace
16	4	I	e	Z	21 04 24	Slight trace
17	4	Iu	eP	Z	21 11 51	Traces
						USCGS: 40.6 N, 127.5 W h = ab 84 km
						Off coast of northern California
						H = 20.59.08.8
18	5	Id	e	Z	11 21 (01)	Traces
			i(Sg)	E	21 05	
			e	Z	21 11	
19	5	Iu	(e)P'2	Z	14 04 05	Traces
			e	Z	04 15	USCGS: 27.8 S, 176.1 W h = ab. 34 km
			e	N	14 35	Kermadec Islands region
			e	N	16 18	M = 6 1/4 (Pas) H = 13.43.21.1
			eM	E	15 14,3	
20	5	I	e	Z	14 12 11	Traces
21	5	Iv	e	E	16 53 04	Slight trace
22	6	Id	ePg	Z	14 34 06,5	Traces
			eSg	N	34 11,0	

N°	Date	Character	Phase		h. m. s.	Remarks
23	6	Iv	ePn	Z	16 06 36	ab. 950 km
			e	Z	07 11	USCGS: 37.4 N, 11,2 E h = ab.30 km
			eSn	Z	08 15	Mediterranean Sea off coast of
			e(SgSgSg)	Z	09 23	Tunisia H = 16.04.33,1
			e	E	09 41	
24	6	Iu	eiP	Z	19 47 26	5950 km
			eS	N	55 07	USCGS: 1.2 S 15.5 W h = ab 24 km
			eM	E	20 07,2	Atlanric ocean, north of Ascension
						Island H = 19.38.04.6
25	6	IVu	iP"	Z	23 33 (00)	Traces
			ei	Z	33 13	USCGS: 17.2 S, 167.9 E h = ab 96 km
			ePP	Z	36 14	New Hebrides Island region
						H = 23.13.29.5
26	7	I	e	Z	00 35 45	Traces
27	7	IVu	e	Z	00 45 00	Weak ab 14200 km
			ePP	Z	46 40	USCGS: 6.1 S, 154.4 E h = ab 123 km
			eM	E	01 36,0	Solomon Island region M = 6½ 6 3/4
						(Pas) H = 00.25.40.8
28	7	Iu	(e)P	Z	01 11 26	Slight traces
						USCGS: 44.3 N, 149.4 E h = ab 37 km
						Kurile Islands H = 00.59.06.3
29	7	Iu	(e)P	Z	02 07 01	Traces
						USCGS: 8.3 N, 38.0 W h = ab.25 km
						Atlantic Ocean H = 01.57.02.4
30	7	Iu	eP	Z	02 53 51	Traces
						USCGS: 8.2 N, 38.1 W h = ab 46 km
						Atlantic Ocean H = 02.43.58.5
31	7	IVu	eP	Z	04 50 01	Traces
						USCGS: 8.6 S, 111.4 E h = ab 113 km
						Near coast of Java H = 04.32.14.5
32	7	Iv	ePn	Z	04 54 41	(410) km
			iSg	E	55 44	
33	7	I(v)	e	Z	05 53 52	Traces
			eSg	E	54 04	

N°	Date	Character	Phase		h. m. s.	Remarks
34	7	IVu	eP	Z	10 36 35	Traces 11200 km
			epP	Z	37 07	h = ab 130 km
			ePP	Z	40 41	USCGS: 5,8 N, 126,8 E h = ab.89 km
			epPP	Z	41 14	off coast of Mindanao P.I.
			eSKS	E	47 06	H = 10.22.43.7
			eSKKS	E	47 28	
			eL	N	11 12,2	
			eM	N	23,0	
35	7	Iu	eP	Z	12 26 51	Slight trace
						USCGS: 35.2 N, 134.5 E h = ab 25 km
						Honshu Japan H = 12.14.15.5
36	7	Iu	eP	Z	13 32 (00)	Traces
						USCGS: 16.0 N, 46.9 W h = ab 39 km
						Atlantic Ocean H = 13.22.04.8
37	7	Ir	ePP	Z	15 47 31	Traces
			eM	E	56,5	USCGS: 71.2 N, 7.1 W h = ab 66 km
						Jan Mayen Islands region H = 15.40.52.5
38	8	Iu	ePP	Z	19 41 49	Traces
			eM	E	20 20,2	USCGS: 24.3 S, 69.7 W h = ab 48 km
						Northern Chile M = 5½ - 5 3/4 (Pal.)
						Felt H = 19.23.35.4
39	8	Iv	e	E	21 11 27	Slight trace
			e	N	11 38	
40	8	Iv	e	E	22 20 25	Slight trace
			i	N	20 34	
41	8	IIv	ePn	Z	22 46 26	250 km
			iPg	Z	46 30	Press: Felt at Santa Sofia and Forli
			iPgPg	Z	46 36	BCIS: Etruscan Appennins Italy
			iPgPgPg	Z	46 48	44°2 N, 11°9 E H = 22.45.51
			eSn	NW-SE	46 55	USCGS: 43.8, 11.8 E h = ab 21 km
			iSg	NW-SE	47 (02)	Italy H = 22.45.50.0
			iSgSgSg	Z	47 31	
42	10	I	e(L)	E	17 10 45	Traces
43	11	Iu	eM	E	09 44,4	Traces
						USCGS: 37.2 S 73.6 W h = ab 47 km
						Near coast of Southern Chile
						H = 08.38.27.1

N°	Date	Character	Phase		h. m. s.	Remarks
44	13	Iu	eP'2	Z	14 39 46	Traces
						USCGS: 27.9 S, 176.0 W h = ab. 25 km
						Kermadec Islands region H = 14.18.42.4
45	13	IVu	iP'1	Z	15 11 43	Traces 16750 km h = ab. 550 Km
			i	Z	11 48	17.5 S 178.8 W h = ab 556 km
			ipP'	Z	13 55	Fiji Islands region H = 14.52.55.3
46	13	I	e	Z	22 30 15	Slight traces
47	14	Iu	(e)	Z	03 04 (00)	Traces
			eP'2	Z	04 23	USCGS: 279 S 176.3 W h = ab 47 km
						Kermadec Islands region
						H = 02.43.22.7
48	14	Ir	eP	Z	15 44 (00)	Traces
			e(M)	E	52,7	USCGS: 67.7 N, 18.4 W h = ab 23 km
						North of Iceland H = 15.38.07.5
49	14	Iu	eP	Z	19 44 21	Traces 9750 km h = ab 40 km
			epP	Z	44 35	USCGS: off coast ofNorthern California
						M = 4½ (Berk) 5 (Pal) H = 19.31.34.4
						40.8 N 127.4 W h = ab 45 km
50	16	Iu	iP	Z+	21 58 07	9550 km obscured by microseisms
			iS	EN	22 08 39	USCGS: 30.0 N, 132.0 E h = ab 25 km
			eSP	N	09 35	Ryukyu Islands M = 5 1/4 - 5½ (Pal)
			eSS	N	14 18	H = 21.45.24.0
			eL	E	28,3	
			eM	E	32,6	
51	17	I	e(L)	N	06 48,7	Traces
52	17	I	eM	N	17 58,3	Traces
53	17	Iu	iP	Z	19 41 37	9050 km obscured by microseisms
			(e)S	E	51 44	USCGS: 52.0 N, 173.9 E h = ab 21 km
			eSS	E	57 15	Near Islands Auletian Islands M = 6 (Pas)
			eM	N	20 13,6	6 1/4 - 6½ (Pal) H = 19.29.19.3
54	17	I(d)	I	E	20 34 48,5	Weak
55	19	I	e	N	04 40 44	Traces
56	20	Iu	eP	Z	18 01 31	Slight trace
						USCGS: 6.5 S, 31.7 E h = ab 58 km
						Tanganyika H = 17.52.04.6
57	20	I(v)	e	E	20 02 06	Slight trace

N°	Date	Character	Phase		h. m. s.	Remarks
58	21	Iu	iP¹	Z-	21 59 42	Traces
			eM	E	23 04,8	USCGS: 34.3 S, 150.4 E h = ab 27 km
						New South Wales Australia Minor damage
						in Sidney area H = 21.40.03.2
59	22	IVu	iP¹1	Z	14 04 24	Weak ab 17300 km deep
			iPP	Z	08 37	USCGS: 21,3 S, 174.4 W h = ab 97 km
			eM	E	15 11,4	Tonga Islands M = 6 (Pas) 5 3/4 (Berk)
						6 1/4 (Pal) H = 13.44.35.8
60	22	Iu	eP¹1	Z	17 52 15	Ab 17200 km
			iP¹2	Z	52 45	USCGS: 22.8 S, 176.1 W h = ab 35 km
			iPP	Z	56 17	Tonga Islands region M = 6½ -
			ei	N	18 03 07	6 3/4 (Pas) H = 17.32.21.6
			eM	E	52,0	
61	22	Id	ePg	ZN	20 16 31,2	Traces
			iSg	EN	16 39,0	
62	23	IIIr	ePn	NW-SE	02 48 39	1580 km (Alfani not recording)
			eSn	SW-NE	51 17	BCIS: H = 02.45.18,8 ± 0,7 sec
			i	SW-NE	51 29	36°8 N, 28°7 E h = 70 km ± 10 km ca
			iM	NW-SE	54 19	SW from Turkey damage in Rodi island
						and in Turkey at Marmarica, Ula and
						Milas (Mugla provincie) numerouses
						houses damaged
						Note: Determination has been obtained
						making use of electronic machine of
						Strasbourg University
						USCGS: 36,4 N, 28.3 E h = ab 49 km
						Dodecanese Islands moderate property
						damage in Rhodes area and in southwestern
						Turkey M = 6 1/4 (Pas) (Pal) H = 02.45.16

Alfani not recording on 23rd may from 05h 45m to 14h 24m

63	23	IVu	eP	Z	16 57 40	Weak ab 9850 km h = ab 140 km
			epP	Z	58 13	USCGS: 12.6 N, 87.3 W h = ab.138 km
			eS	N	17 08 21	Near coast of Nicaragua Felt at
			eSP	E	09 15	Managua and Southeastern El Salvador
			e	E	09 38	M = 6½ (Pas) H = 16.44.59.4
			e(M)	E	29,4	
64	23	I	e	E	20 00 28	Sligt trace

N°	Date	Character	Phase		h. m. s.	Remarks
65	25	Iv	ePn	Z	00 19 37	360 km
			e	ZEN	19 42	
			eSn	ZE	20 15	
			iSg	ZN	20 30	
			iM	ZN	20 54	
66	25	Ir	eP	Z	13 14 54	(1480)km
			iSgSgSg	N	19 09	
			iM	E	20 21	
67	25	I	e	Z	13 41 54	Slight trace
68	25	IVu	eP'1	Z	21 26 33	Traces deep
			epP'1	Z	28 (03)	USCGS: 14.8 S 177.4 W
						h = ab 417 km Fiji Islands
						region H = 21.07.29.7
69	26	Iv	ePn	Z	21 10 44	510 km
			eSn	E	11 38	
			iSg	E	12 05	
70	28	Iv	ePgPg	Z	09 00 01	245 weak
			iSn	N	00 19	BCIS: H = 08.59.16 44° 1°4 N,
			eSg	E	00 27	11°½ E Italy Appennins South of
			i	N	00 32	Bologna
71	29	Iv	ePn	Z	04 14 18	245 km
			eP	N	14 20	BCIS: H = 04.13.41 44° 1/4 N,
			ePgPg	Z	14 27	11°½ E Italy Appennins South of
			e	E	14 41	Bologna
			eSn	E	14 46	
			i ISg	EN	14 52	
			iM	E	15 10	
72	29	Iv	e	E	05 13 54	Slight trace
73	29	Iu	eSS	N	10 59,9	Traces
			e	N	11 09 22	USCGS: 27.7 N, 141.7 E h = ab 25 km
			eM	E	18 38	Bonin Islands
						H = 10.29.27.8
74	30	I(d)	e	N	13 39 36	Slight traces
			eSg	N	39 46	
75	31	Iu	eM	E	15 06,2	Traces
						USCGS: 29.8 N, 114.0 W h = ab 74 km
						Gulf of California M = 5½(Pas) 6
						(Pal) H = 14.17.43.8
76	31	Iu	eM	E	20 34,7	Slight traces
						USCGS: 5.3 S, 151.6 E h = ab 56 km
						New Britain Felt. M = 5½ - 5 3/4 (Pal)
						H = 19.15.57.0

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- May 1961 -

Constants of the Station·

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.3	3.215	∞	Foto
" 3 kg	E - W	9.6	2.947	∞	Foto
" 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0^h			6^h			12^h			18^h		
Date	K	Aμ	T sec	K	Aμ	T sec	K	Aμ	T sec	K	Aμ	T sec
1	2	0.2	8.2	2	0.3	7.8	2	0.2	7.3	2	0.2	6.5
2	2	0.2	6.5	2	0.1	6.5	2	0.1	6.3	2	0.1	6.0
3	...			...			2	0.1	6.0	0.0		
	Weak microseisms less than 0.1 u on 4th and 5th May											
6	0.0			...			0.0			2	0.1	5.0
7	2	0.1	6.0	2	0.2	6.0	2	0.2	6.8	2	0.2	6.7
8	2	0.2	6.5	2	0.2	6.3	3	0.2	6.0	3	0.1	6.0
9	3	0.2	5.8	0.0			0.0			0.0		
	Weak microseisms less than 0.1 u on 10th and 11th May											
12	2	0.1	4.3	2	0.1	4.3	0.0			0.0		
	Weak microseisms less than 0.1 u on 13th and 14th May											
15	0.0			1	0.1	2.2	1	0.1	2.3	0.0		
16	1	0.1	2.5	...			1	0.2	3.3	1	0.2	4.0
17	1	0.2	4.2	1	0.2	4.2	1	0.2	4.0	1	0.2	4.3
18	1	0.2	4.3	0.0			0.0			0.0		
19	0.0			1	0.1	2.0	1	0.1	2.2	0.0		
20	0.0			1	0.1	2.2	0.0			0.0		
	Weak microseisms less than 0.1 u from 21st to 23rd May											
24	0.0			0.0			2	0.1	5.0	2	0.1	5.9
25	2	0.2	5.8	2	0.2	5.8	2	0.2	6.0	2	0.2	5.9
26	2	0.1	5.7	0.0			0.0			0.0		
	Weak microseisms less than 0.1 u on 27th and 28th May											
29	0.0			0.0			...			3	0.1	2.7
30	3	0.1	2.9	3	0.1	2.5	0.0			0.0		
	Weak microseisms less than 0.1 u on 31st May.											

C. PUPIS

8-24-61

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OSSERVATORIO GEOFISICO SPERIMENTALE
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Viale Romolo Gessi, 4 - Italia

- Seismological Bulletin -

- June 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	lu	eP	Z	10 14 06	Traces
						USCGS: 19.5 N, 69.3 W h = ab 53 km
						Near coast of Dominican Republic
						H = 10.02.45.1
2	1	IIIr	eiP	Z	23 37 08	4700 km
			ePP	N	38 48	BCIS: H = 23.29.21, 10.°3 N, 39°9 E
			ePPP	N	39 26	M = 6,5 a 7 (Praha) 6½ - 6 3/4
			eiS	N	43 32	(Pasadena) 6 1/4 (Strasbourg)
			il	E	43 43	Numerous repetitions
			ilSS	E	46 44	PIERRE GOUIN, OBSERVATORY OF ADDIS
			iL	N	49 35	ABABA: Ethiopia The village of Kara
			iM	E	53 04	Koro (partially) 10°32' N, 49°56' E,
						5 killed from ruin of stones, fissures
						on the soil, Felt at Addis Ababa
						USCGS: Ethiopia: 10.6 N, 39.3 E
						h = ab 51 km considerable damage at
						Kara Kore Felt Addis Ababa M = 6½ -
						6 3/4 (Pas) 6½ (Pal H = 23.29.21.1
3	2	Ir	eP	Z	00 09 34	Traces
						USCGS: 10,5 N, 39.5 E h = ab 29 km
						Ethiopia H = 00.01.45.4
4	2	Ir	iP	Z	00 16 46	Obscured by preceding shock
					18 39	USCGS: 10.3 N, 39.6 h = ab 64 km
						Ethiopia H = 00.08.59.8
5	2	I(r)	e	Z	00 29 09	Traces
					31 14	
6	2	I(r)	e	Z	01 05 59	Traces
7	2	Ir	(e)P	Z	01 24 15	Traces
						USCGS: 9.7 N, 39.7 E h = ab 60 km
						Ethiopia H = 01.16.10.6

AUG 22 1961

N°	Date	Character	Phase		h. m. s.	Remarks
8	2	IIIr	iP	Z-	04 59 03	Ab. 4750 km
			iIS	N	05 05 22	USCGS: 9.8 N, 40,0 E h = ab. 41 km
			iISS	E	08 33	Ethiopia: Felt: Addis Ababa M = 6 1/4-6½ (Pas) H = 04.51.10.4
			iL	E	11 31	
			eM	E	15,2	BCIS: H = 04.51.14 M = 6 1/4 - 6½ (Pasadena) 6 1/4 (Strasbourg)
9	2	IIr	iP	Z	05 30 22	Obscured by preceding shock
			iI	Z	30 27	USCGS: 10.3 N, 39.6 E h = ab 26 km
						Ethiopia: H = 05.22.29.1
10	2	Ir	eiP	Z	05 52 43	Ab. 4700 km
			eS	E	59 09	BCIS: H = 05.44.57
			iSS	N	06 02 29	USCGS: Ethiopia h = ab 31 km 10.3 N
			eL	N	05 27	39.8 E H = 05.44.52.4
			eM	N	09,1	
11	2	Ir	eP	Z	06 25 (03)	Traces 4.700 km
						USCGS: 10.5 N, 39.7 E h = ab. 36 km H = 06.17.13.3
12	2	Ir	eP	Z	07 10 42	4800 km
			eS	N	17 05	10.3 N, 40.0 E h = ab 54 km
			eSS	N	20 26	Ethiopia: H = 07.02.52.4
			eL	N	23 21	
			eM	N	26 50	
13	2	Iv	e	N	08 13 47.1	Slight trace
			eSg	EN	13 54.2	
14	2	I(d)	e	N	22 28 13.8	Slight trace
			e	N	28 17.7	
15	2	I	e	Z	23 40 28	Traces
16	3	Iu	(e)	Z	01 25 35	Traces
			e(SP)	E	35 38	USCGS: 56.1 N, 164.8 E h = ab 29 km
			eM	E	54,7	Off east coast of Kamchatka
						H = 01.13.25.4
17	3	Ir	i(Q)	N	06 24 54	Traces
			i	N	25 16	USCGS: 39.0 N, 32,3 E Turkey
						h = ab 58 km H = 06.16.16.7
18	3	Ir	eP	Z	15 28 17	Traces
						USCGS: 9.7 N, 39.7 E h = ab 60 km
						Ethiopia H = 15.20.24.6

N°	Date	Character	Phase		h. m. s.	Remarks
19	3	ir	eP	Z	15 31 08	4700 km weak
			ePP	Z	32 46	USCGS: 9.8 N, 39.8 E h = ab 50 km
			ePPP	Z	33 21	Ethiopia H = 15.23.16.6
			eS	N	37 24	
			eSS	E	40 32	
			eM	N	49,2	
20	4	lu	iP	Z-	07 42 15	5850 km
			eiPcP	E	43 26	USCGS: 8 N, 81.8 E h = ab 46 km
			iPP	Z	44 15	Tibet M = 6½ (Pas) H = 07.33.05.4
			ePPP	ZE	45 25	
			iS	EN	49 42	
			iSS	E	53 30	
			iL	N	58 18	
			iM	N	08 02 16	
21	4	lu	iP	Z	07 52 57	Traces
						USCGS: 34.2 N, 82.2 E h = 30 km
						Tibet H = 07.43.43.6
22	4	lu	eP	Z	14 00 40	Traces 8900 km
						USCGS: 33.6 82.4 E Tibet h = ab 40 km
						H = 13.51.26.6
23	5	ir	eP	Z	03 38 (04)	Traces
			eM	N	52,2	USCGS: 28.3 N, 54.8 E h = ab. 81 km
						Southern Iran H = 03.31.01.4
24	5	l(d)	e	Z	09 41 10	Traces
25	5	l(d)	e	Z	12 10 47	Traces
26	6	l	e	N	14 38 39	Sligth trace
27	6	l	e	Z	17 54 29	Traces
28	6	l	e	Z	21 04 39	Traces
						USCGS: 39.3 N, 77.9 E h = ab. 68 km
						Sinkiang Provincie, China H = 20.56.14.7
29	7	lu	iP	Z+	14 24 59	6150 km
			ePPP	N	28 11	USCGS: 5.4 S, 11.6 W h = ab 17 km
			eiS	N	32 47	Ascension Island region M = 5 1/4 - 5½
			ei(SS)	E	38 36	(Pal) H = 14.15.18.9
			eM	E	45,9	

N°	Date	Character	Phase		h. m. s.	Remarks
30	7	Id	ePg	Z	18 31 50.3	80 km weak
			iSg	N	32 01	
31	8	Iv	(e)	Z	15 48 29	Weak
			e	Z	48 41	
			e	E	48 54	
			i(Sg)	E	49 23	
32	9	Iu	eP	Z	09 42 32	Traces
			ePP	Z	43 19	USCGS: 40.8 N, 50.7 E h = ab 17 km
						Caspian sea H = 09.36.49.2
33	10	I(d)	e	E	13 17 09	Traces
			i	N	17 19	
34	10	Iu	e(PP)	E	20 53 41	Traces ab. 14650 km
			eSKP	E	54 36	Obscured by microseisms
			eSKP	E	56 33	USCGS: 24.1 S, 112.1 W h = ab. 47 km
			eM	E	21 47,6	Easter Island region M = 6(Pas) 5½
						5 3/4 (Pal) H = 20.31.50.9
35	11	IIIr	iP	Z+	05 17 32	4050 km
			iS	N	23 19	BCIS: 28° 3 N, 54° 7 E H = 05.10.23
			il	E	23 23	M = 6½ (Pas) 6 1/4 (Strasbourg)
			eSS	N	25 57	Very numerous repetitions
			iM	E	31 08	CHIRAZ: The village of Dehkoue destroyed
						(27° 52' N 54° 26' E) 62 killed ,
						damages at Lar , 10 wounded
						USCGS: 28.9 N, 54.6 E h = ab. 38. km
						Southern Iran , Major property damage
						many casualties in Lar area M = 6½
						6 3/4 (Pas) 6 1/4 6½ (Pal) H = 05.10.26.0
36	11	Ir	eP	Z	05 37 19	Obscured by preceding shock
						USCGS: Southern Iran 27.3 N, 54.5 E
						h = ab. 25 km H = 05.30.05.9
37	11	Ir	(e)P	Z	06 53 59	Slight trace
			eS	N	59 34	USCGS: 29.3 N 55.2 E h = 25 km
						Iran H = 06.46.54
38	11	I(v)	e	N	10 50 07	Traces
			e	Z	50 33	
39	11	Ir	iP	Z+	12 38 33	4050 km
			iS	N	44 16	BCIS: South Iran NE from Lar
			iL	N	48 45	H = 12.31.23
			eM	N	52 07	USCGS: 28.0 N, 54.6 E h = ab. 36 km
						Iran H = 12.31.26.8

N°	Date	Character	Phase		h. m. s.	Remarks
40	11	Ir	eP	Z	14 05 07	Weak 4150 km
			e(PP)	E	06 35	BCIS: South Iran NE from Lar
			(e)S	N	10 49	H = 13.57.56
			eL	N	15 21	USCGS: 27.6 N, 54.6 E h = ab 63 km
			eM	N	18 45	Southern Iran H = 13.57.58.6
41	12	Iu	eiP	Z	10 10 06	Traces
			(e)	Z	12 53	USCGS: 21.5 N, 106.0 E h = ab. 55 km
						North Viet-Nam H = 09.58.17.6
42	13	Iu	eP	Z	07 27 24	Slight trace
						USCGS: 22.6 S, 12.5 W h = ab. 37 km
						South Atlantic Ocean H = 07.15.58.2
43	13	Iu	eP'1	Z	21 57 34	Weak h = ab. 150 km
			e	Z	57 43	USCGS: 21.4 S, 176.4 W h = ab. 146 km
			iP'2	ZE	57 58	Tonga Islands region H = 21.37.55.0
			ipP'1	Z	58 16	
			ipP'2	Z	58 39	
44	14	Iu	eS	N	01 00 41	Traces
						USCGS: 24.5 N, 95.0 E h = ab. 52 km
						Northern Burma H = 00.41.10.3
45	14	I	e	N	03 17 57	Traces
46	14	Ir	eiP	ZEN	20 40 08	4650 km
			ePP	Z	41 44	USCGS: 10.8 N, 40.1 E h = ab. 56 km
			eS	N	46 27	Ethiopia H = 20.32.24.0
			eSS	N	49 38	
			eM	N	59,2	
47	15	I	ei	ZEN	12 23 11	seismical ?
48	15	I	ei	ZEN	12 25 04	seismical?
49	15	Iu	eiP	Z	23 36 58	Very weak 9050 km h = ab. 40 km
			epP	Z	37 09	USCGS: 45.4 N, 151.3 E h = ab. 38 km
			e(SKKS)	N	47 18	Kurile Islands H = 23.24.40.5
			e(M)	E	00 07,8	
50	16	I(d)	e	E	00 52 17.4	Traces
			iSg	N	52 25.1	
51	16	IVu	eiP	E	10 44 07	9150 km h = ab. 70 km
			iIS	EN	54 12	Z Alfani not recording
			isS	E	54 47	USCGS: 88 N, 73,4 W h = ab. 120 km
			iSP	E	55 (04)	Northern Colombia Felt at Barranca-bermeja Maracaibo Venezuela M = 6 (Pas) H = 10.31.56.2

N°	Date	Character	Phase		h. m. s.	Remarks
52	16	I	e	EN	11 14 08	Traces
53	16	I	e	Z	15 06 17	Traces
54	16	I	e	E	17 07 33.5	Traces
			i	N	07 38.4	
			i	E	07 42.5	
55	17	Ir	eP	Z	08 13 07	Traces 4100 km
			e	E	15 08	USCGS: 28.7 N, 55.3 E h = ab. 25 km
			e	E	18 43	Southern Iran H = 08.05.54.5
56	17	I	e(M)	E	11 45,0	
57	17	IVu	eP	Z	15 20 29	ab. 10050 km deep
			(e)SKS	E	30 36	USCGS: 14.2 N, 92.2 W h = ab. 147 km
			e	E	39 34	Mexico - Guatemala border M = 6(Pas)
			eM	E	54,0	H = 15.07.36.1
58	18	Iu	eP	Z	06 35 16	Slight trace
						USCGS: 33,8 N, 82.0 E h = ab. 45 km
						Tibet H = 06.86.05,3
59	18	Iv	ePn	EN	09 43 15	290 km
			e	Z	43 17	BCIS: 43° 8 N, 11°4 E Florence region,
			ePgPg	ZE	43 26	Italy H = 09.42.30
			e	E	43 38	
			iSn		43 47	
			iSg		43 57	
			iM		44 17	
60	18	IVu	eP'1	Z	14 14 31	Traces 18.000 km h = ab. 400 km
			e(P'2)	Z	15 20	USCGS: 31.3 5, 179.8 E h = ab. 434 km
			epP'1	Z	16 13	Kermadec Island region H = 13.55.16.6
			ePP	Z	19 08	
61	18	I	e	Z	18 38 37	Traces
	18	I	eP'1	Z	22 33 22	Traces
			e	E	52,7	USCGS: 56.7 S, 141.6 W h = ab. 92 km
						South Pacific Ocean H = 22.13.30.0
62	19	IVu	eP	Z	01 58 37	Traces
			eM	E	02 43,4	USCGS: 12.6 N, 121.9 E h = ab. 120 km
						Luzon Philippine Islands H = 01.45.29.9
63	19	Iu	eP	Z	02 58 27	Tracse
			eM	E	03 33,0	USCGS: 39.3 N, 142.9 E h = ab. 85 km
						off east coast of Honshu Japan
						H = 02.46.03,6

N°	Date	Character	Phase		h. m. s.	Remarks
65	19	1	e	Z	04 42 (02)	Traces
66	19	1u	eP	Z	07 01 54	Ab. 9200 km Very weak
			eS	E	08 01 16	USCGS: 39.2 N, 142.9 E h = ab.98 km
			eM	E	24,9	off east coast of Honshu Japan
						H = 07.38.29.6
67	19	1Wr	e1P	Z	17 12 20	Ab. 4800 km
			ipP	Z	13 (03)	USCGS: 36.6 N, 71.0 E h = ab. 151 km
			eiPP	Z	14 05	Hindu Kush H = 17.04.39.3
			epPP	Z	14 41	
			eiS	E	18 32	
			esS	E	19 46	
			eSS	N	21 57	
68	20	1v	ePg	ZE	01 47 45.5	160 km
			e	E	47 54.3	
			iSg	EN	48 05.8	
69	20	1r	eiP	Z	03 29 26	4800 km
			e	Z	30 00	USCGS: 11.5 N, 44.5 E h = ab. 30 km
			ePP	Z	31 06	Gulf of Aden H = 03.21.26.5
			iS	E	35 51	
			eSS	E	39 08	
			eL	N	44.1	
70	20	1u	eP'1	Z	14 46 49	Traces
						USCGS: 21.8 S, 169.3 E h = ab. 64 km
						Loyalty Islands H = 14.27.02.6
71	20	1d	ePg	Z	21 02 51.4	Traces
			iSg	N	03 (03)	
72	21	1u	eP	Z	04 10 21	Traces
						USCGS: 15.3 N, 87,3 W h = ab. 114 km
						Nortwestern Honduras H = 03.57.44.0
73	21	1r	eS	N	06 52 17	Traces
			eM	N	07 01,4	USCGS: 27.9 N, 55.0 E h = ab. 48 km
						Iran H = 06.39.22.8
74	21	11r	(e)Pn	Z	16 07 59	1520 km
			i1SgSgSg	N	12 19	BCIS: Southern Turkey 37°7 N, 29°0 E
			i1Q	N	12 37	H = 16.04.42
			ei1M	E	13 30	ISTANBUL: Felt at Denizli (37°8 N, 29°1E)

N°	Date	Character	Phase		h. m. s.	Remarks
75	21	IVu	iSKS	E	20 48 59	Traces ab. 11.100 km h = ab.160 km
			eiS	E	49 52	Z not recording
			eM	E	21 16,1	USCGS: 7.6 S, 110.0 E h = ab. 163 km
						Near north coast of Java H = 20.25.00.9
76	22	IIIv	ePn	E	00 57 22	570 km
			iPb	E	57 32	BCIS: Border region Albania-Jugoslavia
			iPg	E	57 39	42°4N, 19°3E H = 00.56.01
			iSn	SWNE	58 21	USCGS: 42.4 N, 19.6 E h = ab. 53 km
			iIISgSg	SWNE	58 54	Northern Albania Jugoslavia border
			iQ	NWSE	59 00	H = 00.56.04.7
			iIM	NWSE	59 23	
77	22	I	e	N	01 16 06	Traces
			e	N	16 35	
			i	N	16 41	
78	22	I	e	N	04 28 53	Traces
			e	E	30 07	
79	23	Iu	eS	E	09 18 54	Ab. 9400 km Z not recording
			e	E	30 50	USCGS: 43.9 N, 128.9 W h = ab. 56 km
			eM	E	42,2	Off coast of Oregon M = 5 1/4 - 5½
						(Berk) 5 3/4 - 6 (Pal) H = 08.55.55.2
80	23	Ir	ePPP	E	16 45 30	Traces
			(e)S	N	49 19	Z not recording
			eM	N	58 32	USCGS: 28.5 N, 55.5 E h = ab. 54 km
						Iran H = 16.36.28.0
81	24	IVu	eP	Z	09 48 16	Traces
						USCGS: 41 N, 97.5 E h = ab. 188 km
						Sumatra H = 09.36.08.8
82	25	Iu	eP	Z	12 47 24	Traces deep
						USCGS: 29.0 N, 54.2 E h = ab. 90 km Iran
						H = 12.40.31.8
83	25	Iu	(e)	Z	17 03 33	Weak 11.00 km
			ePP	Z	04 22	USCGS: 21.7 N, 143.1 E North of Mariana
			eSKS	E	10 53	Islands M = 5 3/4 (Berk) H = 16.46.32.9
			e(SS)	E	17 21	
			eL	E	36,6	
84	26	I(v)	e	N	09 16 57	Sligth trace

N°	Date	Character	Phase		h. m. s.	Remarks
85	26	I(d)	e	E	12 03 56,7	Traces
			I(Sg)	N	04 07,0	
86	26	Iu	eP	N	14 59 41	Ab. 9000 km weak Z not recording
			eS	N	15 09 58	USCGS: 52.4 N, 174.5 E h = ab. 60 km
			eL	N	28,6	Near Islands, Auletian Islands
			eM	E	32,4	M = 5½ - 5 3/4 (Pal) H = 14.47.26.1
87	27	Iu	(e)P	E	07 14 44	Ab. 7600 km
			eiIS	EN	23 42	Z not recording
			eSP	N	24 19	USCGS: 27.8 N, 99.4 E h = ab.33 km
			eM	N	40,4	Yuman Provincie China M = 6(Pas) 6½ (Berk) 5 3/4 - 6 (Pal) H = 07.03.42,2
88	28	Iv	e(Sg)	E	14 16 10	Traces
89	29	Iv	e	N	02 50 07	Traces
			e	N	50 40	Z not recording
			i	N	51 09	
90	29	Iu	e	E	09 44 12	Weak 15.500 km Z not recording
			eSKP	N	46 05	USCGS: 13.8 S, 166.0 E h = ab. 37 km New Hebrides Islands M = 6 1/4 - 6½ (Berk) 5½ - 5 3/4 (Pal) H = 09.22.55.8
91	29	I	e(M)	N	11 00,5	Traces
92	29	I	e	E	22 28 38	Traces
			e	N	32 07	Z not recording
93	30	I	ei	N	05 13 53	Traces Z not recording

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- June 1961 -

Constants of the Station

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N - S	9.3	3.215	∞	Foto
" 3 kg	E - W	9.6	2.947	∞	Foto
" 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A u	T sec	K	A u	T sec	K	A u	T sec	K	A u	T sec
1	Weak microseisms les than 0.1 u on 1st June											
2	...			...			0.0			0.0		
	Weak microseisms less than 0.1 u from 3rd to 7th June											
8	No microseismic mouvement											
9	No microseismic mouvement											
10	0.0			...			1	0.3	2.1	1	0.1	2.3
11	Weak microseisms less than 0.1 u											
12	Weak microseisms less than 0.1 u											
13	0..			0..			0.0			0.0		
14	Weak microseisms less than 0.1 u											
15	Weak microseisms less than 0.1 u											
16	0.0			0.0			2	0.1	5.0	2	0.1	5.0
17	2	0.1	5.8	2	0.1	5.8	...			2	0.1	6.3
18	2	0.1	6.3	2	0.1	6.0	2	0.2	6.0	2	0.1	6.0
19	2	0.2	6.0	2	0.2	6.0	2	0.2	5.3	2	0.2	5.5
20	2	0.2	5.5	2	0.2	5.0	2	0.1	5.2	2	0.1	5.0
21	2	0.1	5.4	2	0.1	5.3	0.0			2	0.1	5.0
22	2	0.1	5.0	0.0			0..			0..		
	Weak microseisms less than 0.1 u from 23rd to 27 June											
28	0.0			0.0			1	0.2	2.0	1	0.1	2.0
29	1	0.1	2.0	1	0.1	2.0	1	0.1	2.0	0.0		
30	Weak microseisms less than 0.1 u											

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TRIESTE

Viale Romolo Gessi, 4 - Italia

- Seismological Bulletin -

- July 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	I	e	E	10 32 25	Traces
			e	E	33 27	
2	2	I	e	E	07 01 44	Traces
			e	E	02 12	
			e	E	03 05	
3	2	Id	ePg	E	21 03 28.0	50 km Felt: III at Trieste
			iSg	ZE	03 34.7	
4	2	Id	ePg	SW NE	21 58 46.3	50 km Felt : III at Trieste
			iSg	SW NE	58 53.6	
5	3	Id	e(Sg)	E	04 31 53.3	Weak
6	3	Id	ePg	E	04 36 (02)	50 km Felt: III at Trieste
			iSg	E	36 09.0	
7	4	I	(e)P'2	Z	19 37 51	Slight trace USCGS: 55.8 S, 147.4 E h = ab 39 km Macquarie Island region H = 19.17.46.7
8	6	I	ePg	Z	15 37 31	Explosion of a mine
9	6	I	eP	Z	16 18 17	Traces USCGS: 13.1 W, 7.0 S h = ab. 19 km Ascension Islands H = 16.08.20.8
10	6	IIu	iP'1	Z+	22 29 10.5	Ab. 16300 km
			i IP'2	Z-	29 15	USCGS: 20.0S, 169.0 E h = ab. 47 km
			i	N	32 28	New Hebrides Islands M = 6½ (Pas)
			ePSKS	N	42 47	6½ - 6 3/4 (Pal) H = 22.09.31.4
			eSS	N	51 43	NOUMEA: Loyanty Islands region 20°7 S,
			eL	E	23 13,1	169°4 E H = 22.09.30 Felt III Loyalty
			eM	E	25,3	Island II Port Vila

Alfani not recording on 7 July from 06^h 58^m to 11^h 00^m and from 13^h 15^m to 15^h 57^m

11	7	Iu	eP'1	Z	22 39 09	Traces USCGS: 20.1 S 169°2 E h = 89 km Loyalty Islands region M = 5 5 1/4 (Pal) H = 22.19.34.2 NOUMEA: Loyalty Islands 20° 3S, 169° 2 E H = 22.19.30

OCT 2 1961

N°	Date	Character	Phase		h. m. s.	Remarks
12	7	I	e	Z	23 08 08	Traces
13	8	Iu	eP'1	Z	02 55 01	Weak ab 16.300 km
			e	Z	58 30	USCGS: 20.0 S 168.8 E h = ab. 52 km
			eM	E	03 55,4	Loyalty Islands H = 02.35.20.1

Alfani not recording on 8 July 1961 from 06^h 45^m to 11^h 46^m

14	8	Iu	eP'1	Z	15 54 16	Ab. 16300 km
			IIP'2	Z	54 21	USCGS: 20.1 S, 169.8 E h = ab. 44 km
			ePP	Z	57 45	Loyalty Islands H = 15.34.38.5
			e	E	58 27	NOUMEA: H = 15.34.40 20°2 S, 168°6 E
			e	E	16 00 35	
			eM	E	51,3	
15	8	Iu	eP'1	Z	21 33 40	Traces
						USCGS: 20.2 S, 169.0 E h = ab. 56 km
						Loyalty Islands H = 21.13.59.4
16	8	Iu	eP'1	Z	22 08 27	Traces
			e	Z	08 40	USCGS: 20.2 S, 169.0 E h = ab. 68 km
			ePPP	Z	15 20	Loyalty Islands region H = 21.48.46.2
17	9	Ir	eS	E	01 18 36	Slight trace - Z not recording
			eM	E	26,7	USCGS: 28.8 N, 54.7 E h = ab. 25 km
						Iran H = 08.05.45,9
18	10	I	e	Z	04 07 22	Traces

Seismological station not operating on 10 July 1961 from 06^h 57^m to 10^h 57^m and from 13^h 16^m to 16^h 03^m

Seismological Station not recording on 11 July 1961 from 06^h 49^m to 10^h 56^m and from 13^h 40^m to 16^h 03^m

19	12	Iv	eSn	N	02 52 38	Traces ab. 1000 km deep
			eSgSg	N	53 48	USCGS: 40.1 N, 23.5 E h = ab. 129 km
						North eastern Greece H = 02.48.48.0

Seismological station not recording on 12 July from 6^h 46^m to 09^h 19^m and from 13^h 14^m to 16^h 08^m

20	15	I	i	ZE	21 30 37	Traces
21	16	I	e	E	14 04 35	Traces
			i	E	04 39	
22	16	Iu	eP'1	Z	14 21 29	Traces
						USCGS: 22.7 S, 171.2 E h = ab. 56 km
						Loyalty Island region M = 5½ (Berk)
						H = 14.01.38.7
						NOUMEA: Ilot Matthew region 23° 4 S,
						171° 5 E H = 14.01.33

N°	Date	Character	Phase		h. m. s.	Remarks
23	17	Ir	eP	Z	15 01 18	Slight trace
						USCGS: 41.2 N, 72.4 E h = 67 km
						Kirghis SSR H = 14.53.28.4
24	17	Iu	e(PcP)	Z	16 33 06	Ab 9550 km
			ePP	Z	36 20	USCGS: 35.7 N, 141.2 E h = ab. 75 km
			eS	E	43 22	Near east coast of Honshu Japan Felt
			eL	E	17 04,0	H = 16.20.22.6
			eM	E	11,3	
25	18	IIIu	iP	Z-	14 16 19	9600 km
			iPP	Z	19 50	USCGS: 29.4 N, 131.6 E h = ab. 21 km
			eSKS	E	26 42	Northern Ryukyu Islands Felt: Kyusku,
			iiiiS	E	26 55	Japan M = 6½ - 6 3/4 (Pas) 6 3/4 - 7
			iSP	Z	27 48	(Berk) 6½ (Pal) H = 14.03.36.5
			eSS	E	31 40	
			iSSS	E	37 (04)	
			eLQ	E	41.6	
			iLR	E	47.0	
			eMQ	E	51,6	
26	18	Iu	iP	Z	14 46 44	Obscured by preceding shock
						USCGS: 29.9 N, 131.2 E h = ab. 72 km
						Northern Ryukyu Islands H = 14.34.07.3
27	18	Iu	eP	Z	15 28 54	Traces
			eM	E	16 03,3	USCGS: 29.5 N, 131.3 E h = ab. 35 km
						Northern Ryukyu Islands H = 15.16.12.5
28	18	Iu	eP	Z	19 41 52	Traces
			eM	E	20 19,4	USCGS: 29.3 N, 131.6 E h = ab. 60 km
						Northern Ryukyu Islands H = 19.29.04.8
29	18	Iu	eP	Z	21 35 11	Traces
						USCGS: 13.8 N, 56.6 E h = ab. 43 km
						Arabian Sea H = 21.26.30.5
30	18	Iu	eP	Z	23 55 19	Traces
			eM	E	00 30,8	USCGS: 29.7 N, 131.4 E h = ab. 39 km
						Northern Ryukyu Islands H = 23.42.36.5
31	19	Iu	eP	Z	06 46 04	Slight trace
						USCGS: 29.6 N, 131.7 E h = ab. 27 km
						Northern Ryukyu Islands H = 06.33.18.1
32	19	I	e	Z	10 44 37	Traces
			e	Z	44 40	
			e	N	46 26	

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N°	Date	Character	Phase		h. m. s.	Remarks
33	19	Iu	eP	Z	12 11 27	Very weak 9600 km
			eS	E	22 (04)	USCGS: 29.6 N, 131.5 E
			eM	E	48,0	h = ab. 31 km Norther, Ryukyu Islands
						H = 11.58.43.7
34	19	IIu	e	Z	23 03 19	980 km
			i	E	04 41	BCIS: 38°2 N, 20°4 E Jonio sea, near
			iSn	E	04 49	Cefalonia Island H = 23.00.58
			iSgSg	E	05 51	USCGS: 37.7 N, 20.2 E h = ab. 37 km
			iIM	E	06 33	Near coast of Grece H = 23.00.56.7
35	21	Iu	eP	Z	19 03 34	Traces 9600 km
			eS	E	14 12	USCGS: 29.6 N, 131.6 E h = ab. 16 km
			eM	NE	40 19	Northern Ryukyu Islands H = 18.50.50.3
36	21	I	eP	Z	22 52 37	Slight trace 9600 km
			eS	EN	23 03 12	USCGS: 29.6 N, 131.6 E h = ab. 32 km
						Northern Ryukyu Islands H = 22.39.53.2
37	22	Iu	eP'1	Z	18 32 04	Traces
						USCGS: 54.0 S 141.2 E h = ab. 84 km
						South of Tasmania H = 18.12.31.1

Note Z not recording from 23rd July - 09h 39m - to 24h July - 07h 11m

38	23	Iu	eP'	N	14 23 17	Weak
			ePP	E	26 46	Z not recording
			e	E	15 07 21	USCGS: 18.5 S, 168.2 E h = ab. 44 km
			eL	E	13,8	New Hebrides Island Felt M = 5½ - 6
			eM	E	23,0	(Berk) H = 14.03.39.8
39	23	Iu	e(P'2)	N	15 49 57	Weak
			e	E	50 07	Z not recording
			eM	E	16 53,6	USCGS: 18.5 S, 168.0 E h = ab. 107 km
						New Hebrides Islands H = 15.30.22.8
40	23	IIIu	i/P'1	NE	22 10 45	Z not recording ab. 16200 km
			i(P'2)	E	11 (02)	USCGS: 18.3 S 168.3E h = ab 44 km
			iPPP	E	16 44	New Hebrides Islands H = 21.51.07.5
			eSKKS	E	20 37	
			iPPS	E	27 21	
			iSSP	E	34 12	
			eSSS	E	39,0	
			L	E	53,0	
			M	NW-SE	23 05,0	

N°	Date	Character	Phase		h. m. s.	Remarks
41	23	lu	e(P'2)	E	22 21 43	Traces Z not recording
						USCGS: 18.4 S, 168.3 E h = ab 37 km
						New Hebrides Islands H = 22.01.55.3
42	24	l	(e)P'1	Z	05 14 41	Slight trace
				Z	15 17	USCGS: 18.5 S, 167.9 E h = ab. 50 km
						New Hebrides Islands H = 04.54.55.1
43	26	lv	ePg	N	12 01 08	190 km
			iSg	E	01 34	BCIS: 47° 3/4 N, 13° E H = 12.00.39
						Salzburg region Austria No macrosismic
						indication
						NOTE: Pruhonice have registered 6
						others premonitor shocks replications
						within the same deep from 11^h 39^m
						14^h 35^m
44	26	l	e	Z	14 10 13	Slight trace
			e	Z	12 19	
45,	27	l(d)	e(Pg)	E	05 23 26	Weak
			i	E	23 34	
			iSg	N	23 36	
46	27	l	e	Z	18 41 23	Traces
			e	N	42 54	
47	28	l	e	Z	00 46 40	Slight trace
48	28	lu	eiP	Z	01 18 25	10250 km h = ab. 150 km
			epP	Z	19 02	USCGS: 22 S 77.1 W h = ab. 136 km
			iPP	ZE	22 06	Ecuador M = $6\frac{1}{2}$ (Pas) $5\frac{1}{2}$ - 6 (Berk)
			i ISKS	NE	28 46	H = 01.05.30.0
			iS	N	29 21	
			isS	E	30 33	
			eSS	N	35 28	
			esSS	E	36 34	
			eL	E	49.6	
			eM	E	55,4	
49	28	lVu	eP	Z	00 46 40	Slight trace
						USCGS: 27.0 N, 126.6 E h = ab. 136 km
						Ryukyu Islands H = 00.34.18.3
50	28	l	e	Z	01 43 48	Slight trace

N°	Date	Character	Phase		h. m. s.	Remarks
51	28	lu	iP'	Z	06 31 18	Weak ab. 16150 km
			eSS	N	53 42	USCGS: 18.6 S 167.7 E New Hebrides Islands M = 5 3/4 (Berk) H = 06.11.38.7
52	28	lu	eM	E	11 00,3	Traces USCGS: 20.0 N, 109.2 W h = ab. 42 km Pacific Ocean west of Jalisco, Mexico M = 5½ (Berk), 5 (Pal) H = 10.13.51.1
53	31	l	i(Sg)	E	05 14 43	Traces
54	31	lv	ePg	E	16 12 39	Weak 310 km
			eSn	E	16 13 05	
			iSg	NE	13 19	

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- July 1961 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.3	3.215	∞	Foto
" 3 kg	E - W	9.6	2.947	∞	Foto
" 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	Weak microseisms less than 0.1 μ											
2	Weak microseisms less than 0.1 μ											
3	No microseismic mouvement											
4	Weak microseisms less than 0.1 μ											
5	0.0			...			1	0.1	2.0	...		
6	1	0.1	2.0	1	0.1	2.0	0.0			0.0		
7	Weak microseismic less than 0.1 μ											
8	No microseismic mouvement											
9	No microseismic mouvement											
10	No microseismic mouvement											
11	No microseismic mouvement											
12	0.0			1	0.1	2.0	2	0.1	5.2	2	0.2	6.0
13	2	0.2	6.5	2	0.2	6.7	1	0.2	3.1	1	0.3	3.0
14	1	0.3	3.3	1	0.2	3.3	0.0			0.0		
15	Weak microseisms less than 0.1 μ											
16	Weak microseisms less than 0.1 μ											
17	...			...			0.0			2	0.1	5.0

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Hours	0h			6h			12h			18h		
Date	K	A u	T sec	K	A u	T sec	K	A u	T sec	K	A u	T sec
18	2	0.1	5.0	1	0.1	2.2	1	0.1	2.0	0.0		
19	Weak microseisms less than 0.1 μ											
20	1	0.1	1.9	1	0.1	2.3	0.0			0.0		
21	Weak microseisms less than 0.1 μ											
22	No microseismic mouvement											
23	1	0.1	2.0	0.0			0.0			0.0		
24	...			0.0			0..			0.0		
25	No microseismic mouvement											
26	0.0			2	0.1	5.8	2	0.2	6.5	2	0.1	5.5
27	0.1		5.0	0.0			0..			0:.		
28	No microseismic mouvement											
29	1	0.2	2.2	1	0.2	2.4	1	0.2	2.5	1	0.2	2.7
30	1	0.2	3.3	1	0.1	3.5	0.0			0.0		
31	0.0			0.0			0.0			0.0		

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- Seismological Bulletin -

- August 1961 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	Iv	e	E	04 47 31	Weak
			iSg	N	47 36	
2	1	Iu	e(P')	Z	05 59 08	Ab. 14.850 km
			ePP	Z	06 01 47	USCGS: 9.8S 160.5 E h = ab. 50 km
			e	N	02 21	Solomon Islands region Felt
			iSKP	E	02 42	M = 6½ 6 3/4 (Pas) 6½ (Berk)
			eL	E	42,2	H = 05.39.53.2
			eM	E	49,4	STRASBOURG: Solomon Islands, Felt IV a Homara felt at Savo, Tulagi, Malaita and Santa Isabel Island
3	1	Iu	ePP	Z	07 39 49	Debole ab. 11850 km
			eSKS	E	46 08	USCGS: 56,8 S, 25,1 W h = ab. 44 km
			e(SP)	E	49 18	Sandwich Islands region
			eL	E	08 10,7	M = 07.21.12.3
			eM	E	18,7	
4	1	Iu	e(PP)	Z	09 53 33	Traces
			e(M)	E	10 30,2	USCGS: 57.1 S, 26.1 W h = ab. 31 km
						Sandwich Islands H = 09.34.40.7
5	1	Iv	(e)	N	12 29 21	Traces
			eSg	Z	30 (03)	
6	1	IVu	e(P'1)	Z	22 31 08	Slight trace
			e	Z	31 21	USCGS: 18.0 S, 167.6 E h = ab. 214 km
						New Hebrides Islands region
						H = 22.11.49.3
7	2	Iu	eP'1	Z	02 23 38	Slight trace
			eM	E	03 29,4	USCGS: 18.9 S, 168.0 E h = ab.18 km
						New Hebrides Islands region
						H = 02.03.56.0

NOV 10 1961

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N°	Date	Character	Phase		h. m. s.	Remarks
8	2	Iu	eP	Z	12 24 19	Slight trace
						USCGS: 44.5 N, 148.7 E
						h = ab. 74 km Kurile Islands
						H = 12.12.03.8
9	3	IVu	eP	E	03 19 07	Slight trace- Z not recording
			eS	N	28 09	USCGS: 18.2 N, 66.2 W
						h = ab. 141 km Puerto Rico.
						Felt H = 03.08.02,3
10	3	Iv	e	NE	10 27 55	Traces
			e	N	28 16	
			e	Z	28 26	
11	3	Iv	i(Sg)	N	17 51 31	Traces
12	3	Iv	e	N	18 33 11	Traces
			i(Sg)	E	33 31	
13	4	Iu	eM	E	00 37,6	Debole traccia
14	4	I(v)	e	E	10 06 10	Slight trace
15	4	Ir	eP	Z	18 43 04	Very weak 4550 km
			iS	E	49 23	USCGS 348 N, 38.7 W h = ab. 26 km
			eL	E	56 31	North Atlantic Ocean
						H = 18.35.20.8
16	4	I	e	Z	22 57 43	Traces
17	4	Iu	eP	Z	23 05 10	9050 km weak
			e(SKS)	E	15 27	USCGS: 45.3 N, 151.1 E
			eL	E	35,3	h = ab. 20 km Kurili Islands
						H = 22.52.49.5
18	5	I	I	Z	11 24 05	Traces
19	7	I	e	E	03 37 51	Traces
			e	E	39 26	
20	8	Iu	eIP	Z	12 30 50	9350 km
			iS	E	41 12	USCGS: 50.9 N, 170.7 W
			eSSS	E	50 26	h = ab. 24 km Fox Islands
			eL	E	59,1	Auletian Islands M = 6-6 1/4 (Pas)
			eM	E	13 04,3	5 - 5 3/4 (Berk) 5 3/4 - 6 (Pal)
						H = 12.18.18.9

N°	Data	Character	Phase		h. m. s.	Remarks
21	9	Iv	e	N	13 05 39	Traces 260 km
			eSn	ZE	05 46	CHUR: Switzerland, Felt in valley of Münster
			eSg	N	05 53	WIEN: In higher valley of the Inn at Pfunds (46° 57' 5 N, 10° 32'5 E)
22	9	IVu	eiP'1	Z	16 26 11	16150 km h = ab. 60 km
			eipP'1	ZN	22 25	USCGS: 19.1 S, 168.7 E New Hebrides
			e	ZN	23 11	Islands region M = 5 3/4 (Berk)
			e	Z	23 51	H = 16.02.36.1 h = ab 69 km
			ePP	Z	25 36	NOUMEA: H = 16.02.40 19° S, 168°½ E
			eM	E	17 21,7	Felt IV at Port Vila
23	11	I	e	N	06 45 13	Traces
24	11	Iu	eP'1	Z	10 44 37	Traces
			e	Z	45 07	USCGS: 18.5 S, 168.2 E h = ab. 25 km
						New Hebrides Islands H = 10.24.58.9
25	11	IIIu	iIP	Z+SW	16 03 49	9050 km
			iS	NE	13 56,5	USCGS: 42.9 N, 145.1 E h = ab.78 km
			eSS	N	19 35	Eastern Hokkaido Japan Slight Tsunami
			eSSS	E	23 01	M = 7 (Pas), (Berk) H = 15.51.35.4
			eL	N	30 39	
			iM	E	36 35	
26	11	I	e	Z	16 51 04	Slight trace
27	11	Iu	eSKS	E	23 02 09	Slight trace
						USCGS: 2.8 S, 122.1 E h = ab. 20 km
						Eastern Celebes H = 22.37.22.0
28	11	Iu	eP	Z	23 46 07	Traces
						USCGS: 42.8 N, 145.1 E h = ab. 72 km
						Eastern Hokkaido, Japan H = 23.33.51.9
29	12	I	e	Z	11 44 49	Slight trace
30	13	Iv	ePn	E	22 35 07	290 km
			ePg	E	35 12	BCIS: North Italy, Garda Lake region
			i	E	35 31	H = 22.34.26
			iSn	E	35 39	USCGS: 45.0 N, 9.9 E h = ab. 20 km
			i	Z	35 48	North Central Italy Felt: Parma
						H = 23.34.18.0
31	13	Iv	eSg	N	23 07 45	Traces
						BCIS: After Shock H = 23.06.20

N°	Data	Character	Phase		h. m. s.	Remarks
32	14	Iv	eSg	N	01 01 49	Traces
						BCIS: Aftershock H = 01.00.26
33	14	Iv	ePg	E	01 03 49	290 km
			i	EN	04 06	BCIS: Aftershock H = 01.03.02
			eSn	E	04 15	
			i	N	04 25	
34	14	I	eP'1	Z	19 10 46	Traces
			eP'2	Z	11 18	USCGS: 24.2 S, 175.7 W
			eM	E	20 18,1	h = ab. 21 km Tonga Islands region
						M = 5½ (Berk) H = 18.50.50.3
35	14	Iu	eM	E	22 52,2	Traces
						USCGS: 31.8 N, 131.2 E h = ab. 14 km
						Off south coast of Kyushu, Japan
						H = 22.04.59.0
36	14	Iu	eiP'	Z	23 48 23	Weak ab. 16400 km
			ez	Z	50 20	USCGS: 20.3 S, 169.4 E h = ab. 97 km
			e(M)	E	00 44.7	New Hebrides Islands region Felt
						Port Vila M = 6 - 6 1/4 (Pas) 6
						(Berk) H = 23.28.46.5
37	15	Iu	eP	Z	19 16 50,5	9850 km weak
			ePP	Z	20 23,5	USCGS: 32.8 N, 142.4 E h = 39 km
			eSKS	E	27 15	South of Honshu Japan H = 19.03.55.7
			eM	E	53,5	
38	16	Iu	eL	N	16 47,1	Traces
			eM	N	52,1	USCGS: 13.8 S, 14.7 W h = ab. 25 km
						South of Ascension Island H = 16.15.57.5
39	17	I	e	Z	09 28 32	Traces
40	17	IVu	iP	Z-	21 28 26	Ab 9000 km h = ab. 160 km
			e	Z	29 08	USCGS: 46.3 N, 149.3 E h = ab. 186 km
			ePPP	E	33 15	Kurile Islands M = 6 3/4 (Pas) 6½ - 6 3/4
			iS	E	38 13	(Berk) H = 21.16.30.0
			esS	E	39 26	
			e(SSS)	E	46 48	
			eL	E	54.6	
			eM	E	59.3	
41	17	I	e	Z	21 50 47	Slight trace
42	17	I	i	Z+	21 58 28	Traces
43	17	I	e	Z	22 11 44	Slight trace
44	18	I	e	Z	12 14 55	Slight trace

N°	Data	Character	Phase		h. m. s.	Remarks
45	19	Vu	iP	Z-	05 22 05	10400 km h = ab. 600 km
			epP	Z	24 18	USCGS: 10,7 S, 71.0 W h = ab. 649 km
			iPP	Z	26 04	Peru Brazil border M = 7 (Pas)
			epPP	N	27 52	M = 7 3/4 - 8 (Berk) H = 05.09.49.5
			iISKS	EN	31 41	
			iIS	N	32 22	
			iISP	E	33 40	
			iI	E	35 08	
			i(sS)	N	36 21	
			iI	E	37 33	
			iISS	E	39 00	
			esSS	E	42 22	
			iSSS	E	42 55	
46	19	IIIu	iP	Z+	05 46 01	Ab 9390 km
			iPP	Z	49 18	USCGS: 36.0 N 136.5 E h = ab. 17 km
			iIS	EN	56 27	off west coast of Honshu Japan
			iSP	N	57 15	5 Killed many inyured moderate property
			eSSS	N	05 36	damage at Fukui Gifu Ishukawa
			e L	N	14,4	M = 7½ (Pas) H = 05.33.30.6
			iM	N	19.3	
47	19	I	e	Z	06 08 05	Obscured by preceding shock
48	19	I	e	E	12 08 11	Slight trace
49	19	IVu	eP	E	15 03 46	Slight trace
			e	E	04 10	USCGS: 18.0 N, 68.8 W h = ab 146 km
						Mona Passage: Felt Puerto Rico and
						Cindad Trujillo, Domenican Republic
						H = 14.52.31.4
50	20	IVu	eP'2	N	05 23 12	Traces obscured by microseisms
						USCGS: 17.8 S, 178.8 W h = ab. 592 km
						Fiji Islands H = 05.04.14.3
51	21	Iu	e(P'1)	N	16 26 40	Traces
			i	Z	26 48	USCGS: 17.8 S, 174.4 W h = ab. 74 km
			e(P'2)	Z	27 09	Tonga Islands M = 5 3/4 - 6 (Berk)
						H = 16.06.55.4
52	21	Iu	eP	Z	17 12 50	Traces
						USCGS: 40.9 N, 138.9 E h = ab. 49 km
						of coast of northern Honshu Japan
						H = 17.00.37.0

N°	Data	Character	Phase		h. m. s.	Remarks
53	21	I	e	Z	23 59 51	
			e	Z	00 00 19	
			iSg	E	00 32	
54	23	I	e	N	04 39,7	Traces obscured by microseisms
55	23	I	e	E	17 50 38	Slight trace
56	24	I	e	N	13 36 37	Traces
57	25	Iv	ePn	ZE	12 22 40	340 km
			i(Sn)	E	23 16	BCIS: 47° 5 N, 10° 5 E Alps of Allgäu
						Vienna: Felt at Reutte (47° 5 N,
						10°7 E)Tirol H = 12.21.58
58	25	I(v)	e	Z	12 41 30	Slight trace
			e	Z	41 40	
59	26	Iv	e	E	14 25 54	
			e	E	26 19	
			iSg	N	26 29	
60	27	Iu	eiP	Z	02 02 36	Weak ab. 7300 km
			eS	N	11 30	USCGS: 15.3$ 13.1 W h = ab. 49 km
			eM	E	29,6	South Ascension Island H = 01.51.51.8
61	27	I(v)	e	E	13 34 59	Traces
			e	Z	35 07	
62	27	Iu	eP	Z	16 34 28	9150 km
			eS	E	44 35	USCGS: 46.6 N, 154.1 E h = ab. 31 km
			eM	E	17 04,8	Kurile Islands M = 6½ (Pas) 5 1/4 - 5½
						(Berk) 5 1/4 (Pal) H = 16.22.08
63	27	Iu	ePP	Z	17 06 04	Slight trace
						USCGS: 18.3 N 46.6 E h = ab. 27 km
						Mariana Isl. M = 4 1/4 - 6½ (Pas)
						5½ (Berk) H = 16.47.44.8
64	27	Iu	eP	Z	21 08 36	Slight trace
						USCGS: 46.8 N, 153.9 E h = 25 km Kurili
						Islands H = 20.56.15.6
65	27	Ir	ePn	ZE	22 11 46	1420 km
			iSn	Z	14 11	BCIS: 35° 2 N, 23° 1 E off west coast of Creta
			iSgSgSg	N	15 49	H = 22.08.41
			iQ	E	16 07	USCGS: 35.9 N, 23.7 E h = ab. 69 km
			i	N	16 24	Near west coast of Crete H = 22.08.49.8
			iM	E	16 57	

N°	Data	Character	Phase		h. m. s.	Remarks
66	28	IVu	(e)PP	Z	06 45 28	Slight trace h = ab. 190km
			(e)pPP	Z	46 11	USCGS: 15.1 S, 70.2 W, h = ab. 185.km
						Perú Bolivia border H = 06.28.19.4
67	28	IVu	eP'2	Z	10 03 08	Slight trace
			e	Z	03 19	USCGS: 18.6 S, 178.0 W h = ab. 574 km
						Fiji Islands H = 09.44.13.5
68	29	I	e	E	13 02 48	Slight trace
69	31	IVu	eiP	Z	02 00 53	10450 km h = ab. 600 km
			epP	Z	03 (05)	USCGS: 10.6 S, 70.9 W h = ab. 626 km
			ePP	Z	04 44	Perú Brasil border M = 7 - 7 1/4 (Pas)
			epPP	Z	06 36	6½ (Berk) H = 01.48.37.5
			e	Z	07 38	
			iSKS	E	10 32	
			iS	E	11 12	
			iISP	E	12 34	
			i(sS)	N	15 09	
			isSP	E	16 16	
			iISS	E	17 54	
70	31	Vu	iP	Z-	02 09 25	10350 km h = ab. 600 km
			eipP	Z	11 40	USCGS: 10.4 S 70.7 W
			iPP	Z	13 19	H = ab. 629 km
			e(pPP)	Z	15 14	Perú Brazil border Felt: Arequipa, Perú
			ePPP	Z	15 33	M = 7½ (Pas) 7 (Berk) H = 01.57.08.0
			iISKS	E	19 (04)	
			iIIS	NE	19 42	
			iISP	E	20 59	
			iSPP	E	21 47	
			isSP	E	24 42	
			iISS	E	26 20	
			isSS	E	29 33	
			iISSS	E	30 27	
71	31	I	e	Z	02 55 29	Traces
72	31	I	e	Z	09 12 08	Traces

International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- August 1961 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.3	3.215	∞	Foto
" 3 kg	E - W	9.6	2.947	∞	Foto
" 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0^h			6^h			12^h			18^h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	Weak microseisms lass than 0,1 μ											
2	No microseismic mouvement											
3	Weak microseisms less than 0,1 μ											
4	1	0.1	2.0	1	0.1	2.0	0.0			0.0		
5	Weak microseisms less 0,1 μ											
6	Weak microseisms less 0.1 μ											
7	Weak microseisms less 0,1 μ											
8	2	0.1	4.2	0.0			0.0			0.0		
9	Weak microseisms less 0,1 μ											
10	Weak microseisms less 0,1 μ											
11	Weak microseisms less 0,1 μ											
12	Weak microseisms less 0,1 μ											
13	0.0			1	0.2	2.0	1	0.2	2.5	1	0.1	2.0
14	1	0.1	2.0	1	0.1	2.0	0.0			0		
15	No microseismic mouvemente											
16	0.0			0.0			1	0.2	2.0	1	0.1	2.0

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Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
17	1	0.1	2.0	1	0.1	2.0	2	0.1	4.5	2	0.2	5.2
18	2	0.1	4.7	0.0			2	0.1	4.5	2	0.1	6.0
19	2	0.2	6.0	...			0.0			0.0		
20	1	0.2	2.3	1	0.2	2.3	1	0.1	2.0	1	0.1	2.0
21	0.0			0.0			0.0			0.0		
22	...			2	0.1	5.6	0.0			0.0		
23	0.0			1	0.2	2.5	2	0.1	5.2	0.0		
24	Weak microseisms less 0.1 μ											
25	Weak microseisms less 0.1 μ											
26	2	0.1	5.7	2	0.1	6.0	2	0.2	6.2	2	0.2	6.0
27	2	0.2	6.3	2	0.2	6.0	2	0.1	5.7	...		
28	2	0.1	5.7	...			0.0			0.0		
29	0.0			2	0.1	5.0	2	0.1	5.5	2	0.1	5.5
30	2	0.1	5.3	0.0			0.0			0.0		
31	0.0			0.0			2	0.1	5.3	2	0.1	5.2

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O S S E R V A T O R I O G E O F I S I C O - T R I E S T E

Viale Romolo Gessi, 4

Seismological Bulletin

September 1961

N°	Data	Character	Phase		h. m. s.	Remarks
1	1	IVu	e(P)	Z	00 24 05	12200 km h = ab. 120 km
			e	Z	27 30	USCGS: 59.3 S 27.3 W h = ab.131 km
			eP'	Z	27 53	Sandwich Islands region M = 7½(Pas)
			ePP	Z	28 24	7 (Berk) H = 00.09.34.6
			i	Z	28 27	
			epPP	Z	28 49	
			iSKS	N	34 21	
			isSKS	N	35 16	
			iS	E	36 (00)	
			i	N	38 (00)	
			iiSS	E	43 44	
			isSS	E	44 37	
			iSSS	E	47 53	
2	1	I	e	Z	16 56 52	Traces
3	1	Iu	eiP	Z	19 03 40	Ab. 10200 km h = ab. 40 km
			epP	Z	03 52	USCGS: 13.5 N, 92.5 W
			ePP	Z	07 22	h = ab. 37 km Off coast of Guatemala
			iSKKS	E	14 16	M = 6½ (Pas) 6 (Berk) H = 18.50.35.4
			isSKKS	N	14 39	
			eSSS	E	24 36	
			eL	E	33,3	
			eM	E	43,6	
4	2	IVu	eP	Z	11 01 19	Slight trace
						USCGS: 2,0 S, 67.5 E h = ab.132 km
						Southwest of Maldive Islands Indian
						Ocean H = 10.50.36,7
5	2	Iv	ePgPg	Z	14 19 16	1100 km
			eSn	N	20 17	USCGS: 38.9 N, 23.6 E h = ab.20 km
			e	Z	20 50	Near coast of Grece H = 14.16.08.6
			e	N	21 13	
			eSgSg	N	21 28	
			eQ	E	21 42	
			iM	N	22 16	

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N°	Data	Character	Phase		h. m. s.	Remarks
6	4	lu	eP	Z	10 01 34	Slight trace
						USCGS: 51.4 N, 178.1 W h = ab.35 km
						USCGS: Andreanof Islands, Aleutian
						Islands M = 6 1/4 (Berk) H = 10.01.34
7	5	lv	e(Sn)	Z	00 43 45	1120 km
			eSgSg	N	45 06	USCGS: 38.4 N, 23.5 E h = ab.25 km
			iSgSgSg	E	45 14	Near coast of Greece. Slight damage at
			i	Z	45 17	Chalkis, Euboea Islands H = 00.39.30.3
			iQ	N	45 25	
			i	E	45 31	
8	5	lu	eP¹1	Z	01 06 19	Slight trace
						USCGS: 16.2 S, 172.6 W h = ab.49 km
						Samoa Island region H = 00.46.29.6
9	5	lv	ePgPg	E	01 20 06	1130 km
			ePgPgPg	Z	20 09	USCGS: 38.3 N, 23.5 E h = ab. 25 km
			eSn	Z	21 11	Near coast of Greece H = 01.16.50.2
			e	Z	21 21	
			iSgSg	EN	22 26	
			iSgSgSg	E	22 32	
			iQ	E	22 43	
			i	E	23 22	
10	5	lr	eP	Z	02 44 (36)	Traces
						USCGS: 80.0 N, 23 W h = ab. 18 km
						Artic Ocean H = 02.37.34.9
11	5	lVp	iP	Z	06 20 56	4950 km h = ab. 120 km
			epP	Z	21 28	USCGS: 38.6 N, 73.3 E h = ab. 50 km
			e	Z	22 15	Tadzhik SSR H = 06.12.54.8
			ePP	Z	22 41	
			eiS	E	27 23	
			isS	E	28 14	
			eSS	E	30 34	
			esSS	N	31 22	
12	5	lu	eP	Z	11 46 13	Ab. 8250 km h = ab.60 km
			e	Z	46 23	USCGS: 59.8 N, 150.6 W h = ab. 44 km
			e(pP)	Z	46 29	Kénai Peninsula Felt: Anchorage
			ePP	Z	49 08	M = 6 - 6½ (Pas) H = 11.34.37.3
			eS	E	55 39	
			isS	E	56 (03)	
			eL	E	12 10,2	
			eM	E	16,4	

N°	Data	Character	Phase		h. m. s.	Remarks
13	6	I	e	N	21 30 20	Traces
		Seismological Station not operating from 7/9/61 - 09h 13m to 8/9/61 - 14h 14m				
14	10	Iv	(e)	N	04 15 56	Slight trace
15	10	Ir	eM	E	09 18 38	Traces
						BCIS:Atomic explosion in New Zemlja H = 09.00.10
16	10	Ir	(e)P	Z	16 21 41	Traces 2070 km
			eS	E	25 12	BCIS: 37° N, 26°½ E Southern
			eM	N	28 (04)	Turkey East of Adana
			e	E	29 07	H = 16.17.20
						USCGS: 37,2 N, 36.6 E
						h = ab. 28 km Turkey H = 16.17.20.0
17	11	I	e	N	02 21 10	Slight trace
18	11	I	e	N	04 36 57	Slight trace
19	12	Iu	eP	Z	12 39 23	Slight trace
						USCGE: 43.8 N 147.8 E h = ab 96 km
						Near East coast of Hokkaido - Japan
						H = 12.27.09.2
20	12	Iu	(e)PP	Z	19 48 11	Traces obscured by microseisms
			eSKS	N	54 24	USCGS: 59.4 S, 29.2 W h = ab. 25 km
			eM	N	20 29.6	Sandwich Islands H = 19.29.05.2
21	13	I	e	Z	13 16 48	Coperto da microsismi
			e	Z	17 24	
			e	Z	18 26	
22	13	IVu	e(PP)	Z	21 39 30	Slight trace obscured by microseisms
						USCGS: 41.6 S, 73.2 W h = ab.154 km
						Southern Chile H = 7 (Berk)
						H = 21.19.26.2
23	14	Ir	eP	Z	08 09 09	Slight traces
						USCGS: 33.6 N 48.8 E h = ab.30 km
						Iran H = 08.03.09.0
24	14	Iv	e	E	20 58 (59)	Traces
			ISg	E	59 13	

N°	Data	Character	Phase		h. m. s.	Remarks
25	15	IIr	iIP	Z+NW	01 50 25	2130 km h = ab. 100 km
			i	N	50 37	USCGS: 35.1 N, 33.9 E h = ab.25 km
			i	Z	51 03	Cyprus H = 01.46.08.4
			iIS	NE	53 54	BCIS: Eastern mediterranean sea, off
			i	Z	53 58	Southenn coast of Cyprus Island 33°
			isS	N	54 28	1/4 N 33°½ E h = ab. 100 km
			i	N	54 56	H = 01.46.10
			i	N	56 34	
26	15	Iv	e	N	14 26 33	Weak
			iSg	N	27 08	
27	16	I	e	Z	13 41 35	Traces obscured by microseisms
28	17	Iu	eiP	Z	08 54 28	Weak
			eM	N	09 29,4	Obscured by microseisms
						USCGS: 23.9 N, 122.2 E h = ab.35 km
						Off coast of Formosa H = 08.41.53.6
29	18	IVn	(e)Pn	Z	05 12 02	1620 km h = ab. 90 km
			eS	N	14 51	USCGS: 35,0 N, 26.3 E h = ab. 83 km
			esS	N	15 10	Crete H = 05.08.37.7
			iSgSgSg	EN	16 45	
			eM	Z	18 14	
30	18	Ir	eP	Z	11 06 40	2900 km
			ePP	Z	07 24	BCIS: 41 1/4 N, 50°0 E M= 5,8(Quetta)
			eS	N	11 11	Caspian sea, off Bakou H = 11.01.00
						USCGS: 40.8 N, 50.1 E h = ab.31 km,
						Caspian Sea H = 11.01.00.8
31	18	Iu	eP'1	Z	15 57 25	Traces 16650 km
			eP'2	Z	15 57 40	USCGS: 21.0 S, 173.6 E h = ab.28 km
						Loyalty Islands region H = 15.37.33.1
32	19	IVu	eP	Z	02 38 17	10600 km h = ab. 550 km
			ipP	Z	40 20	USCGS: 20.3 S, 63.2 W h = ab. 609 km
			ePP	Z	42 12	Southern Bolivia M = 6½ (Pas), 6 1/4
			ePPP	Z	44 28	(Berk) H = 02.25.49.2
			iSKS	EN	47 57	
			iS	EN	48 53	
			e(sS)	N	52,5	
			eSS	N	55,4	

Nº	Data	Character	Phase		h. m. s.	Remarks
33	19	Iu	eP	Z	09 59 16	10.000 km
			ePP	Z	10 02 49	USCGS: 6.7 N, 82.4 W h = ab.33 km
			eiSKS	E	09 48	South of Panama M = 6 1/4 - 6½
			iS	N	10 13	(Pas) 5 3/4 - 6 (Berk)
			i(SP)	N	11 17	H = 09.46.17.7
			eM	E	41,0	
34	20	I(v)	e	N	11 47 03	Weak
			e	N	47 13	
			e	N	48 06	
			e	N	48 19	
			e(Sg)	N	48 33	
35	20	Iu	eP'	Z	19 22 37	13850 km
			ePP	Z	24 22	USCGS: 3.6 S, 150.9 E h = ab.30 km
			eSKS	E	29 37	New Britain M = 6½ (Berk)
			ePSKS	E	34 12	H = 19.03.37.1
			eSS	E	41 11	
			eL	N	20 01,8	
			eM	N	10,8	
36	24	IVu	eP	Z	19 17 42	Traces h = ab. 80 km
			eepP	Z	18 04	USCGS: 18.4 N, 98.6 W h = ab.81 km
						Puebla, Mexico Felt: Chilpancingo
						and Federal District H = 19.04.40.7
37	24	Iu	eP	Z	21 53 47	Ab 9750 km weak
			eSKS	E	04 15	USCGS: 33.3 N, 141.3 E h = ab.93 km
			e(S)	E	04 36	South of Honshu, Japan
			eSP	E	05 41	H = 21.40.58.8
			e(SSS)	E	15 19	
			eL	E	22,4	
			eM	E	28,7	
38	27	IVu	eP'1	Z	06 52 50	Traces h = ab. 530 km
			i	Z	06 52 55	USCGS: 17.4 S, 178.7 W
			epP'1	Z	55 05	h = ab. 576 km Fiji Islands
			i	Z	55 10	H = 06.34.03,7
			e	Z	56 14	

N°	Data	Character	Phase		h. m. s.	Remarks
39	27	I	e	Z	07 03 08	Slight trace
40	27	I	e	Z	09 54 13	Slight trace
41	27	Iu	eP	Z	11 33 12	Traces USCGS: 52.3 N, 168.7 W h= ab 27 km Fox Islands Auletian Islands H = 11.20.46.8
42	27	IVu	e	Z	12 26 11	Traces
			ePP	Z	26 27	USCGS: 59.4 S, 24.2 W h= ab.110 km
			e	Z	27 16	Sandwich Islands H = 12.07,39.2
			eM	N	13 07,7	
43	27	Iu	eP	Z	19 33 10	Traces h = ab. 40 km
			epP	Z	33 21	USCGS: 52.5 N, 168.7 W h = ab.42 km Fox Islands,Aleutian Islands
44	27	Iu	eIP	Z	19 39 25	9200 km weak obscured by microseisms
			eS	N	49 40	USCGS: 52.2 N, 168.7 W h = ab. 22 km
			eL	N	20 15,3	Fox Islands Aleutian Islands
			eM	N	20,5	H = 19.27.00.7
45	28	IVu	eP	Z	01 37 02	Traces 10.100 km h = ab.60 km
			epP	Z	37 19	USCGS: 3.9 S, 102.0 E h = ab.78 km
			ePP	Z	40 39	Sumatra H = 01.23.59.6
			eSKS	E	47 18	
46	28	IVu	eP	Z	03 37 36	Weak 10000 km deep obscured by micro-seisms
			e	Z	40 47	
			ePP	Z	41 13	USCGS: 30.5 N, 141.3 E h = ab. 125 km
			e	Z	41 25	South of Honshu, Japan H = 03,24,43,4
			eS	E	48 09	
			e	N	04 13,4	
47	28	I	e	Z	05 41 07	Traces coperto da microsismi
			e	Z	41 29	
			e	E	06 10,4	
			e	E	23,2	
48	28	Iv	e	EN	20 53 21	Traces
			i	E	53 29	
			iISg	E	53 34	
49	28	Ir	eP	Z	22 43 47	Traces 4350 km h = ab. 60 km
			epP	Z	44 05	USCGS: 27.6 N, 57.1 E h = ab.56 km Southern Iran H = 22.36.27.5

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N°	Data	Character	Phase		h. m. s.	Remarks
50	29	lu	eP	Z	17 02 50	Slight trace
			e	Z	03 09	USCGS: 429 N, 145.4 E h = ab.37 km
						Near east coastof Hokkaido Japan
						H = 16.50.32.9
51	29	lu	eP	Z	19 20 27	Traces
			ePP	Z	24 39	USCGS: 05 N, 122.4 E h = ab.110 km
			iSKS	E	31 08	Northern Celebes H = 19.06.13.4
			eSS	N	38,8	
52	29	lu	eP	Z	22 51 08	Traces
						USCGS: 17 N, 79.3 W h = ab. 60 km
						New east coast of Southern Colombia
						H = 22.38.05.9

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- September 1961 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.3	3.215	∞	Foto
" 3 kg	E - W	9.6	2.947	∞	Foto
" 3 kg	Z	2.5	2.404	∞	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A u	T sec	K	A u	T sec	K	A u	T sec	K	A u	T sec
1	2	0.1	5.0	2	0.1	5.3	2	0.2	5.3	2	0.2	5.7
2	2	0.1	5.0	2	0.1	5.2	2	0.1	5.0	2	0.2	4.8
3	2	0.3	5.5	2	0.2	5.4	2	0.2	5.5	2	0.2	5.5
4	2	0.1	5.5	2	0.1	5.2	2	0.1	5.2	0.0		
5	0.0			0.0			...			0.0		
6	0.0			1	0.1	2.0	0.0			0.0		
7	0.0			1	0.2	2.0	...			...		

Constant of the Station (from 8 september 1961)

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.19	2.660	∞	Foto
" 3 kg	E - W	13.28	3.560	∞	Foto
" 3 kg	Z	2.68	2.380	1.79	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A u	T sec	K	A u	T sec	K	A u	T sec	K	A u	T sec
8	...			...			...			1	0.1	2.0
9	1	0.1	2.0	0.0			0.0			0.0		
10	0.0			0.0			2	0.1	6.0	2	0.1	6.0
11	2	0.1	6.0	2	0.1	6.0	2	0.1	6.0	2	0.1	6.2

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Hours	0h			6h			12h			18h		
Date	K	A u	T sec	K	A u	T sec	K	A u	T sec	K	A u	T sec
12	2	0.1	6.3	2	0.1	7.0	2	0.1	6.0	2	0.1	5.7
13	2	0.2	6.8	2	0.5	8.0	2	0.5	8.0	2	0.4	7.3
14	2	0.3	6.8	2	0.3	6.3	2	0.2	6.2	2	0.2	6.5
15	2	0.2	5.8	2	0.2	6.3	2	0.2	6.3	2	0.2	6.0
16	2	0.2	6.3	2	0.4	5.5	2	0.5	5.5	2	0.4	5.3
17	2	0.2	6.0	2	0.2	5.7	2	0.2	6.0	2	0.2	5.7
18	2	0.2	5.7	2	0.1	5.7	2	0.1	5.0	2	0.1	4.7
19	2	0.1	4.3	0.0			0.0			2	0.1	4.7
20	2	0.1	4.3	2	0.1	4.3	0.0			2	0.1	6.3
21	2	0.1	6.0	0.0			0.0			0.0		
22	2	0.1	6.0	2	0.1	5.5	2	0.2	6.0	2	0.1	6.0
23	2	0.1	6.0	2	0.2	6.0	...			2	0.1	5.0
24	2	0.1	6.0	2	0.1	6.3	2	0.1	6.5	2	0.1	6.3
25	2	0.1	6.0	0.0			0.0			0.0		
26	0.0			2	0.1	4.7	2	0.1	5.0	2	0.1	5.0
27	2	0.1	5.5	2	0.2	6.0	2	0.2	7.0	2	0.2	7.3
28	2	0.2	6.8	2	0.1	6.3	2	0.1	6.2	2	0.1	6.2
29	2	0.1	5.5	2	0.1	4.3	...			2	0.2	5.7
30	2	0.2	6.0	...			2	0.5	7.5	2	0.5	7.8

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OSSERVATORIO GEOFISICO SPERIMENTALE

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Viale Romolo Gessi, 4

Seismological Bulletin

October 1961

Nº	Date	Character	Phase		h. m. s.	Remarks
1	1	Iv	e(Pg)	Z	00 44 34	Weak (270) km
			e	E	44 47	
			i(Sg)	E	45 10	
2	1	I	e	N	15 21 48	Slight trace
			e(Sg)	N	21 55	
3	2	I	e	E	02 59 08	Slight trace
4	2	IVr	ePn	Z	07 24 16	Slight trace
			ePgPgPg	Z	25 08	1150 km h = ab.200 km
			eSn	SW-NE	26 16	Alfani not recording
			eSgSgSg	SW-NE	27 38	BCIS: South- West coast of Peloponneso H = 07.21.44
			iM	SW-NE	28 34	37° 0 N, 22° 0 E
						PRESS: Felt at Kalamata e Navarin
						USCGS: 37.2 N, 22.2 E h=ab.72 km
						Near coast of Grece Felt
						H = 07.21.49.4
5	2	Iv	e(Sg)	E	15 30 06	Slight trace
6	3	Ir	eM	E	01 08 46	Slight trace
						USCGS: 35.4 N, 22.7 E
						h = ab. 44 km
						Mediterranean Sea, near Crete
						H = 01.01.13.0
7	4	Iv	e	E	12 21 34	Traces
			i(Sg)	E	12 21 42	BCIS: 47.7 N, 12.8 E H=12.20.35
						VIENNA: Austria - Germany border
						South West of Salsburg felt in
						Stemberge Loferer
8	5	Iu	eP'1	Z	18 28 20	Traces
						USCGS: 19.4 S;169.0 E
						h = ab. 58 km Loyalty Island region
						H = 18.08.43.4
9	6	I(v)	e	E	05 49 19	Slight trace
10	6	Ir	eM	E	07 21 09	Traces
						BCIS: Nuclear blast in New Zemlja
						H = 07.00.10

N°	Date	Character	Phase		h. m. s.	Remarks
11	10	i	i	Z	19 03 37	Traces
12	11	i	e	N	12 04 58	Slight trace
			i	N	05 00	
13	13	iVu	eP'1	Z	17 47 56	Traces
			eP'2	Z	48 20	USCGS: 22.0 S, 176.9 W h = ab.155 km Tonga Islands region H = 17.28.21.5
14	14	iu	eP'1	Z	16 33 32	Slight trace
			eP'2	Z	33 43	USCGS: 19.1 S, 168.4 E h = ab. 28 km New Hebrides Felt: Port Vila H = 16.13.48.7
15	14	iv	e	E	17 30 44	Slight trace
			e	N	30 47	
			e	E	30 54	
16	14	iv	e	Z	17 44 40	Traces
			e	Z	45 30	
			e	E	45 50	
			eSg	Z	45 55	
			e	E	46 08	
17	14	i	(e)P	Z	22 10 58	Slight trace
			epP	Z	11 15	8850 km h = ab. 60 km
			eM	E	44,5	USCGS: 51.1 N, 159.1 E h = 80 km Kamchatka H = 21.58.57.4
18	16	i	e	Z	05 33 29	Slight trace
19	18	iu	iS	N	17 19 17	Ab.12500 km Obscured by microseisms
			i(SPP)	E	17 21 (00)	36.7 S, 72.6 W h = ab. 67 km Near
			iSSS	e	31,5	coast of Southern Chile, minor damage
			eM	E	57,8	in area between Curico and Valdivia
						M = 6½ (Pas) H = 16.52.00.2
20	23	iu	ePP	Z	00 28 (03)	Weak ab. 12500 km
			e	Z	28 21	60.4 S, 33.4 W h = ab. 25 km
			e	Z	29 31	Sandwich Islands region
			eSP	N	37 43	H = 00.08.33.3
			eL	N	01 02,6	
21	23	ir	eM	E	08 49 28	BCIS: Nuclear blast in New Zemlja
			e	E	50 16	H = 08.31.26 74° N, 52°E
			i	E	53 14	
22	23	i(v)	e	Z	10 42 19	Slight trace
			e(Sg)	N	43 15	

N°	Date	Character	Phase		h. m. s.	Remarks
23	23	Iu	eP	Z	14 53 40	11500 km
			ePP	Z	57 53	USCGS: 3.5 N, 126.4 E
			eSKS	E	04 11	h = ab. 25 km
			eS	E	05 23	M = 6½ (Pas) 6 1/4 (Berk)
			eSS	E	12 40	H = 14.39.33,5
			eL	N	15 30,7	
			eM	E	37,7	
24	23	Iu	eP'2	Z	17 32 10	Trace
						USCGS: 16.8 S, 173.6 W
						h = ab. 49 km Tonga Islands
						H = 17.11.55,3
25	24	Iu	eP	Z	07 37 27	Slight traces
						USCGS: 45.0 N, 146.4 E
						h = ab. 82 km Off north coast
						of Hokkaido Japan,
						H = 07.25.19.9
26	25	Iu	eP	Z	16 32 52	Traces
			e	Z	32 57	obscured by microseisms
			e	Z	33 16	USCGS: 14.4 N, 56.7 E
			ePP	Z	34 (47)	h = ab. 40 km Gulf of Aden
			ePPP	Z	35 (33)	H = 16.24.16.3
27	25	Iu	eP'1	Z	14 40 15	Slight trace
						USCGS: 20.3 S, 174.1 W h = ab.
						25 km Tonga Islands
						H = 14.20.20.8
28	26	Iu	eP'	Z	00 57 23	Ab. 13450 km obscured by microseisms
			eSKKS	E	01 05 17	USCGS: 3.1 S, 147.4 E
			e	N	05 48	Bismark Sea May6 1/4 (Pas), 6½
			eL	E	38,2	(Berk) h = ab. 14 km H = 00.38.20.3
			iM	E	45 13	
29	26	Iu	eiP	Z	15 39 46	Ab. 9600 km Obscured by microseisms
			e	Z	39 56	USCGS: 0.4 S, 98.6 E h = ab. 18 km
			e	N	40 26	Off west coast of Sumatra May: 6
			e	Z	41 14	(Pas) H = 15.27.02.0
			eSKS	E	50 12	
			IS	N	50 19	
			eM	E	16 25,5	
30	26	Iu	eP	Z	19 41 26	Slight traces
						USCGS: 03 S, 98.5 E h = ab. 58 km
						Off west coast of Sumatra
						H = 19.28.37.3

N°	Date	Character	Phase		h. m. s.	Remarks
31	28	IVu	e(P'1)	Z	01 53 48	Traces
			e	Z	53 56	USCGS: 17.7 S, 178.9 W
						h = ab. 605 km H = 01.34.59.5
32	28	Ir	eP	Z	10 52 41	Ab. 3300 km traces
			eS	E	57 47	USCGS: 33.7 N, 48.5 E h = ab.34 km
			eM	E	11 03,4	Iran H = 10.46.40.2
33	28	I(r)	e	N	23 06 57	Weak
			i	E	07 35	
			e	E	13 39	
			e	E	16 39	
			eM	E	22,5	
34	29	Iu	eP	Z	09 24 29	8900 km
			e(PeP)	Z	24 39	49.0 N, 128.7 W h = ab. 16 km
			iS	E	34 36	Vancouver Island region
			eM	N	53,7	H = 09.12.15.7
35	30	Iu	eP	Z	01 57 27	Traces
						42.5 N, 126.6 W h = ab. 50 km
						Off coast of Oregon
						H = 01.44.53.2
36	30	Iu	iP	Z	02 29 09	Traces
			epP	Z	29 15	USCGS: 42.3 N, 126.7 W
			eM	E	03 04.4	h = ab. 36 km Off coast of Oregon
						H = 02.16.32.7
37	30	Ir	e(L)	E	08 47 48	BCIS: 74° N, 52° E Nuclear blast
			e(M)	E	50 38	in New Zemlja H = 08.33.30
			e	E	51 13	
			i	E	52 08	
			e	E	54 17	
			el	E	55 16	
			i	E	55 43	
38	30	I	e(M)	N	16 59,8	Traces obscured by microseisms Z
						not recording
39	30	Iu	eM	E	22 14 17	Traces obscured by microseisms Z
						not recording
						USCGS: 28.9 N, 141.8 E h = ab.31 km
						South of Honshu Japan, H = 21.15.35.2

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Nº	Date	Character	Phase		h. m. s.	Remarks
40	31	I	e	E	08 53 15	Traces obscured by microseisms Z not recording Strasbourg: Probable nuclear blast in New Zemlja
41	31	IIv	ePn	Z	13 38 11	390 km
			ePg	Z	38 21	BCIS: 42.4 N, 13°,0 E
			eSb	NW	39 07	H = 13.37.7
			eSg	NW	39 13	ROMA: Central Italy, Aquila
			eSgSg	SW,NW	39 16	provincie. Gelt VII at Androcco , Caneta, Ponte Alto
						PRESS: and Rieti

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- October 1961 -

Constants of the Station

Instruments	Components	T_0	V_0	ε	Registration
Alfani 3 kg	N - S	9.19	2,660	∞	Foto
" 3 kg	E - W	13.28	3,560	∞	Foto
" 3 kg	Z	2.68	2,380	1.79	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.3	7.5	2	0.3	8.0	2	0.2	7.5	2	0.2	6,5
2	2	0.2	5.0	2	0.1	5.0	2	0.1	5.5	2	0.1	5.0
3	2	0.1	5.0	1	0.1	2.0	2	0.1	6.0	2	0.1	6.0
4	2	0.1	6.0	1	0.1	2.7	1	0.2	3.8	1	0.2	3,8
	1	0.1	2.5									
5	1	0.2	3.7	1	0.1	3.9	1	0.1	3.7	1	0.1	3.7
6	1	0.1	3,6	0.0			2	0.1	5.0	2	0.1	5,5
7	2	0.2	5.2	1	0.1	2,4	1	0.2	3,8	1	0.2	4.2
8	1	0.2	4,5	1	0.3	4,5	1	0.3	4,6	1	0.3	4.8
9	1	0.2	4.6	1	0.1	5.0	1	0.1	4,8	...		
10	...			...			...			...		
11	...			...			2	0.1	6.0	2	0.1	6.0
12	2	0.2	6.8	2	0.1	6,3	2	0.1	6,3	2	0.1	6.0
13	2	0.1	6,3	2	0.1	5,6	2	0.1	5,5	2	0.1	5,5
14	2	0.1	6.5	2	0.2	6,5	2	0.1	5,7	2	0.2	5,7
15	2	0.2	5.1	2	0.2	5,1	2	0.2	5,3	2	0.2	5,5
16	2	0.2	6.2	2	0.2	6,2	2	0.2	7.0	2	0.2	7.0
17	2	0.2	7.2	2	0.3	7,2	2	0.2	6,7	2	0.2	6,3
18	3	0.1	3.2	3	0.2	2,7	3	0.3	3,7	...		
19	3	0.3	4,3	3	0.3	4,3	3	0.4	4,3	1	0.4	4,5
20	1	0.4	4,5	1	0.5	4,5	1	0.5	5,0	1	0.3	4,3
21	1	0.2	4,3	2	0.1	4,5	2	0.1	4,1	2	0.1	4,3
22	2	0.1	4,5	2	0.1	4,3	2	0.1	4.3	2	0.1	5.0
23	2	0.1	5,0	2	0.1	5,1	2	0.2	5,7	2	0.2	5,7
24	2	0.2	5,5	2	0.2	6,2	2	0.2	6,0	2	0.2	5,3
25	2	0,3	5.5	2	0,3	6,5	2	0,3	6,5	2	0.4	6,3
26	2	0,2	6.5	2	0,2	6,5	...			2	0.2	7,2
27	2	0.2	7,0	2	0.2	7,5	2	0,2	6,5	2	0.2	6,7
28	2	0.2	6.5	2	0.2	6,3	2	0.1	5,0	2	0.1	5,0
29	2	0.1	4,8	2	0.1	5,2	2	0.1	4.5	3	0.1	5.3
30	2	0.1	5,0	2	0.1	4,5	3	0.1	5,0	3	0.1	3,3
31	2	0.2	5.5	2	0.3	5.5	2	0.3	6,3	2	0,3	7,0

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4

Seismological Bulletin

November 1961

Nº	Date	Character	Phase		h. m. s.	Remarks
1	2	Iv	ePn	N	05 01 12	Weak (560) km
			e	Z	01 30	
			e	Z	02 28	
			e(SgSg)	Z	02 40	
			i	N	02 43	
2	3	Iv	e	Z	03 53 58	Traces
			i	Z	54 11	
			i	E	54 13	
3	3	Iv	e	N	22 56 11	Slight traces
4	6	I	e(M)	N	15 50,9	Traces obscured by microseisms
5	8	Iv	e	N	18 15 40	Traces
			i	E	15 50	
			i	E	15 55	
6	9	Iu	(e)	Z	01 29 06	Slight traces
						USCGS: 22.0 S 170.1 E h = ab.33 km
						Loyalty Islands H = 01.09.16.0
7	9	I(v)	e	E	14 15 20	Slight trace
8	10	I(v)	e	E	10 36 16	Obscured by microseisms
			e	N	36 24	
			e(Sg)	E	36 29	
9	12	Iu	eP	Z	02 23 47	Ab.5200 km
			ePP	Z	25 42	weak obscured by microseisms
			eS	N	30 48	08 N, 29.5 E h = ab. 39 km Congo
			e(M)	N	43 47	region H = 02.15.16.7
10	14	Iu	e	Z	04 56 08	weak obscured by microseisms
			eS	E	05 06 15	USCGS: 7.3 N, 82.4 W h = ab. 29 km
			i	E	06 38	Off coast of Panama M = 6 1/4 (Pas),
			eM	E	30 48	6 (Berk) H = 04.42.26.5

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N°	Date	Character	Phase		h. m. s.	Remarks
11	15	IIIu	eiP	Z	07 29 29	8950 km USCGS: 43.1 N, 145.1 E
			i	Z	30 46	h = ab. 43 km Near coast of
			ePP	Z	32 36	Hokkaido Japan Felt: H = 07.17.12.4
			ePPP	Z	34 21	
			eS	E	39 29	
			i	E	39 35	
			eLQ	E	54,5	
			iLR	E	57,4	
			iMQ	E	08 00,5	
			iMR	E	07,2	
12	15	Iv	ePn	Z	15 30 28	(320) km weak
			e	E	30 33	
			e	Z	31 08	
			iSg	ZEN	31 15	
13	17	Iv	i	EN	03 48 43	Traces
14	17	Iv	i	ZN	05 01 53	Weak
			i	E	02 09	
15	18	I	(e)	Z	19 03 19	Slight trace
16	18	Iu	e	Z	11 37 07	Slight trace
			e	Z	37 31	USCGS: 27.0 S, 176.3 W h = ab. 61 km
			eP'2	Z	37 41	Kermadec Island region H = 11.16.56.8
17	18	Iu	eP	Z	22 22 24	Slight trace
			(e)pP	Z	22 41	USCGS: 23.7 N, 121.8 E h = ab. 60 km
						Near coast of Formosa Felt
						H = 22.09.53.4
18	19	IVu	iSKS	E	23 46 (01)	Traces h = ab. 150 km
			esSKS	E	47 09	USCGS: 08 N, 124.3 E h = ab. 157 km
			e	E	50 23	Northern Celebes H = 23.21.55.5
19	20	Iu	eM	E	04 31 37	Traces
						USCGS: 50.9 N, 92.5 E h = ab. 53 km
						Outer Mongolia - Siberia border
						H = 04.03.55.7
20	20	Iu	eP'1	Z	12 04 08	Slight traces
						USCGS: 21.8 S, 169.9 E
						h = ab. 33 km Loyalty Islands region
						H = 18.51.36.7

N°	Date	Character	Phase		h. m. s.	Remarks
21	20	Ir	eP	Z	18 06 27	4950 km h = ab. 40 km
			ipP	Z	06 35	BCIS: Atlantic Ocean middle
			iPP	Z	08 07	crest 30° 3/4 N, 40° 5 W
			iS	E	12 59	H = 17.58.15
			ilsS	N	13 15	USCGS: 31.3 N; 40.9 W
			eISS	N	16 27	h = ab. 44 km North Atlantic
			eM	E	23,5	Ocean H = 17.58.17.5
22	21	Iv	e	E	03 22 36	Slight trace
			i	E	22 50	
23	22	Iu	eP'1	Z	11 26 23	USCGS: 21.5 S, 169.8 E h = ab.41 km
			eP'2	Z	26 33	Loyalty Islands H = 11.06.40.5
24	22	I	e	Z	17 47 21	Slight trace
25	23	Iv	ePn	Z	01 12 49	320 km
			ePg	Z	12 57	BCIS: 45° 8 N, 9° 5 E Italy a
			ePgPg	Z	13 00	South border of Bergamasche Alps
			iISn	ZE	13 24	Felts at the North of Italy and in
			iISg	E	13 36	Switzerlands, till Chur H = 01.12.05
			iM	E	13 59	
26	25	I(v)	e	NE	11 54 10	Slight trace
27	25	Iv	e	E	15 18 56	Slight trace
28	25	I	e(M)	E	21 15,0	Slight trace
29	27	Iu	eM	N	06 43, 3	Obscured by microseisms USCGS: 31.6 N, 131 E h = ab.25 km Near south coast of Hyushu, Japan Felt:Hyushu M = 6 1/4 - 6½ (Pas) H = 05.57.07.6
30	27	Iu	(e)PP	Z	17 29 27	11.800 km
			iSKS	E	35 31	USCGS: 06 S, 127.1 E h =ab.25 km
			iSP	E	38 37	Halmaera region M = 6 1/4 - 6½ (Pas)
			iSPP	E	39 23	H = 17.10.33.3
			iSS	N	44 24	
			eM	E	18 13,0	
31	28	IW	ePgPgPg	Z	09 01 54	ab. 1150 km
			e	N	02 26	USCGS: 40.6 N, 26.5 E h = ab.119 km
			e	Z	03 19	Grece - Turkey border H = 08.58.51.3
			e	N	03 51	BCIS: Western Anatolia 39.04 N,
			iSgSg	N	04 09	27° 2 E H = 08.58.32
			iSgSgSg	EN	04 16	
			ii	E	04 50	

N°	Date	Character	Phase		h. m. s.	Remarks
32	29	iv	eiPg	Z	04 15 52,4	170 km
			iSg	E	16 13,8	BCIS: 44° 7 N, 15.9 E Dinariche (Yugoslavia) Felt: VI at Bihac (44° 49' N, 15° 53' E) H = 04.15.15
33	29	lu	eP'1	Z	22 15 38	Slight trace
			eP'2	Z	15 54	USCGS: 23.1 S, 170.9 E h = ab. 29 km Southwest of Loyalty Islands H = 21.55.44,7

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International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE

TRIESTE

Viale Romolo Gessi, n. 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- November 1961 -

Constants of the Station

Instrument	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.19	2.660	∞	Foto
" 3 kg	E - W	13.28	3.560	∞	Foto
" 3 kg	Z	2.68	2.380	1.79	Foto

Component E - W

Hours	0h			6h			12h			18h		
Date	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.3	6.5	2	0.2	5.7	2	0.2	4.8	2	0.2	4.5
2	2	0.2	5.0	2	0.3	5.2	2	0.3	5.0	2	0.3	5.0
3	2	0.2	5.5	2	0.2	5.5	2	0.2	5.0	2	0.2	5.5
4	3	0.1	5.3	3	0.1	5.7	3	0.3	2.5	3	0.4	3.5
5	3	0.5	5.0	3	0.6	6.8	3	0.6	6.7	3	0.4	6.2
6	3	0.2	5.5	3	0.3	3.7	3	0.2	3.7	3	0.2	3.3
7	3	0.2	3.0	3	0.2	3.0	3	0.2	3.3	2	0.2	5.3
8	2	0.2	6.1	3	0.2	6.0	2	0.2	5.3	2	0.2	5.5
9	2	0.2	5.5	2	0.2	5.5	3	0.1	4.7	3	0.2	5.5
10	3	0.2	4.5	3	0.2	3.0	3	0.1	3.0	3	0.1	3.2
11	3	0.1	3.3	3	0.1	3.0	3	0.1	5.3	3	0.1	5.5
12	2	0.2	5.5	3	0.2	5.0	3	0.2	3.8	3	0.2	3.7
13	2	0.3	3.8	3	0.2	3.3	2	0.2	3.7	2	0.2	4.0
14	2	0.2	5.2	2	0.2	5.5	...			2	0.2	5.0
15	2	0.2	5.0	2	0.2	5.7	2	0.2	6.0	2	0.5	6.5
16	2	0.5	6.0	2	0.4	6.0	2	0.3	5.8	2	0.2	5.3
17	2	0.3	6.0	2	0.4	6.5	2	0.4	6.5	2	0.4	4.7
18	2	0.4	6.7	2	0.2	6.3	2	0.1	5.7	...		
19	2	0.1	5.0	0.0			2	0.1	4.5	2	0.1	4.7
20	3	0.1	4.0	3	0.1	4.3	3	0.1	4.3	...		
21	3	0.3	4.8	3	0.3	5.0	2	0.3	5.5	2	0.3	5.3
22	2	0.3	5.2	2	0.3	5.5	2	0.3	5.7	2	0.3	5.5
23	2	0.2	5.7	2	0.2	4.8	2	0.2	5.2	2	0.1	5.0
24	3	0.2	5.7	3	0.2	6.0	3	0.2	5.2	3	0.2	6.2
							3	0.1	3.5	3	0.1	3.5
25	3	0.2	6.2	3	0.2	4.5	3	0.2	5.5	3	0.2	5.6
	3	0.1	3.6	3	0.1	3.3	3	0.1	3.5	3	0.2	4.0
26	3	0.3	6.0	3	0.2	6.0	3	0.2	5.5	3	0.2	5.2
	3	0.2	4.7	3	0.2	5.0				3	0.2	4.5
27	3	0.2	4.7	3	0.2	4.7	3	0.1	4.7	...		
	3	0.1	3.0	3	0.1	3.0	3	0.1	3.5			
28	2	0.2	6.0	2	0.2	6.3	2	0.2	6.0	2	0.2	5.3
29	2	0.2	6.3	2	0.3	5.3	2	0.3	6.5	2	0.2	5.5
30	2	0.2	5.3	2	0.2	4.5	2	0.2	5.0	2	0.2	4.3

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OSSERVATORIO GEOFISICO SPERIMENTALE

TRIESTE

Viale Romolo Gessi, 4

Seismological Bulletin

December 1961

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	IVu	eP	Z	21 25 16	9450 km h = ab 210 km
			eipP	Z	26 10	USGCS: 26.5 N, 124.9 E h = ab 204 km
			e	E	26 45	H = 21.13.04.1
			epPP	Z	29 26	
			iS	E	35 22	
			i	N	36 49	
			isS	E	37 02	
			e	L	54,0	
			e	M	22 00,8	
2	2	IIv	ePn	Z	12 42 40	1080 km
			ePgPg	E	43 28	BCIS: 36° 9 N 8° 0 E
			eSn	E	44 33	Algeria dipartimento di Bone
			i	E	44 41	Fetl: at Bone, Lamy and Philippe-
			iSgSgSg	E	45 47	ville H = 12.40.18
			i	N	46 10	USCGS: 36.5 N, 8.6. E h = ab.62 km
			iM	E	46 36	Northern Tunisia
						Felt: Bone Lamy and Philippeville
						H = 12.40.17.8
3	3	Ir	eP	Z	18 36 57	USCGS: 41.2 N, 44.0. E h = ab 49 km
			e	N	37 09	Armenia S S R
			ePP		37 45	Turkey border region H = 18.31.59.1
			eS	N	41 15	
			e	N	41 52	
			eM	E	45,7	
4	3	Iu	eP	Z	20 06 18	Traces ab 8600 km
			ePP	Z	09 20	USCGS: 43.6 N, 134.9 E h = ab.420 km
						Near Vladivostok USSR H = 19.55.05.3
5	4	Iu	eP	Z	12 48 29	ab.6900 km obscured by large micro -
			e	Z	48 36	seisms
			e	Z	50 32	USCGS: 33.2 N, 95.3 E h = ab. 45 km
			ePP	Z	50 46	
			eiS	E	46 47	
			iM	N	13 14,9	

MAR 2 1962

N°	Date	Character	Phase		h. m. s.	Remarks
6	5	Iu	eP'	Z	13 20 28	Weak - obscured by microseisms
			e	Z	21 34	USCGS: 50.8 S, 139.8 E h = ab 64 km
			e	Z	25 04	Southwest of Tasmania
						H = 13.01.04.7
7	6	Iu	iP	Z	06 00 08	Traces obscured by microseisms
						USCGS: 13.7 N, 93.6 E h = ab 53 km
						Andaman Islands M = 5 3/4 - 6 (Pal)
						H = 05.48.39.3
Seismological Station not operating from Dec 6, 1961 - $07^h\ 35^m$ to Dec 11, - $10^h\ 55^m$						
8	11	Iv	ePn	ZE	16 55 54	Obscured by microseisms
			i(Sn)	E	57 56	BCIS: 36°½ N, 22°½ E South of Peloponeso H = 16.53 12
						USCGS: 36.5 N, 23.5 E h = ab.25 km
						Near coast of southern Greece
						H = 16.53.05.3
9	12	Iv	eiPg	Z	04 38 20	570 km
			iSn	E	39 03	BCIS = 42° 2 N, 19° 3 E Border Albania
			iSb	Z	39 22	Jugoslavia
			i	E	39 28	Felt V at Titograd H = 04.36.43
			iSg	E	39 33	
10	12	I	e	E	05 59 11	Slight trace
11	12	I	e(M)	N	17 08,0	Slight trace
12	12	Iu	eP	Z	23 18 35	Traces
			e	Z	18 51	USCGS: 43.5 N, 146.2 E h = ab.44 km
						Near east coast of Hokkaido
						H = 23.06.18.4
13	13	I	eP	Z	17 09 31	Traces
						USCGS: 18.9 S, 168.4 E h = ab. 30 km
						New Hebrides Islands Felt: Port Vila
						H = 16.49.50.4
14	13	T(v)	e	N	17 39 37	Traces
			e	E	41 04	
			e	N	41 14	
			e	E	41 55	
15	13	Iv	eSg	N	23 48 17	Slight trace
						BCIS: 44° 7 N, 8° 5 E Northern Italy
						H = 23.46.04
16	14	Iu	ePP	Z	07 30 22	Traces
						USCGS: 3.1 S, 140.9 E h = ab 44 km
						Near north coast of New Guinea
						H = 07.10.23.2

N°	Data	Character	Phase		h. s. m.	Remarks
17	15	Iv	i	E	20 35 20	Traces
18	15	I	e	N	22 09 09	Traces
			e		09 35	
19	16	I	eM	N	17 06 30	Traces
20	18	Iv	(e)	E	21 39 26	Obscured by microseisms
			i	E	40 45	
21	20	Vu	iP	Z	13 37 46	ab. 9500 km h = ab 160 km
			ipP	Z	38 28	USCGS: 4,6 N, 75,6 W h = ab. 176 km
			epPP	Z	41 45	West Central Colombia 23 Killed,
			iiiS	N	48 07	100 Injured and moderate property
			iisS	N	49 13	damage in Caldas Provincie
			iiSS	N	53 53	M = 6 3/4 (Pas) 6 (Pal)
						H = 13.25.34.4
22	20	Id	iiSg	N	18 10 46	Weak ab 110 km
23	22	Id	eiPg	N	13 05 (02)	Ab 100 km
			ei	N	05 05	BCIS Northern Italy Carnian Alps
			eii	SW-NE	05 12	46° 4 N, 13° 0 E H = 13.04 44
			iiSg	EN	05 14	
24	27	Iu	(e)P	Z	16 55 47	Traces obscured by microseisms
			eS	N	17 03 21	USCGS: 1,7 S, 12.9 W h = ab. 37 km
			eM	E	14 46	Atlantic Ocean North of Ascension
						Island H = 16.46.31.2
25	28	Iu	i	E	00 23 46	Longitudinal and trasverse waves
			eSS	E	39 32	obscured by microseisms
			eM	E	01 25,3	USCGS: 41° 2 S, 175° 7 E
						h = ab. 57 km Near coast of New
						Zealand H = 23.48.01.3
						M = 6 3/4 (Pasadena) 6-61/4
						(Palisades)
26	30	IIIu	eP	Z	00 51 43	Ab 9100 km
			ePP	E	55 00	USCGS: 52° 3 N, 177.7 E
			iS	N	01 01 57	h = 52 km Rats Islands Aleutine
			eSP	E	02 49	H = 00.39.24.1
			e(SPP)	E	03 28	M = 6 3/4 (Pas); 6½ (Berkeley)
			eSS	N	07 43	7 (Palisades)
			eSSS	E	11 19	
			eL	N	19 25	
			iM	E	25 21	
27	30	Iu	eP	Z	23 30 (08)	Slight trace
						USCGS: 16.5.N, 46.6.W h = ab.32 km
						North Atlantic Ocean H = 23.20.16.9

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - ITALIA

- MICROSEISMIC MEASUREMENTS -

- December 1961 -

Constants of the Station

Instrument	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	9.19	2.600	∞	Foto
" 3 kg	E - W	13.28	3.560	∞	Foto
" 3 kg	Z	2.68	2.300	1.79	Foto

Component E - W

Hours			0^h			6^h			12^h			18^h	
Date	K	A μ	T sec	K	A μ	T see	K	A μ	T see	K	A μ	T see	
1	2	0.2	5.7	2	0.2	5.7	2	0.2	5.5	2	0.2	5.5	
2	2	0.2	5.5	2	0.2	5.5	2	0.2	5.5	2	0.2	5.7	
3	2	0.2	5.7	2	0.2	5.7	2	0.2	5.8	2	0.2	5.9	
4	2	0.2	5.5	2	0.2	5.8	2	0.5	7.5	2	0.4	6.0	
5	2	0.5	7.3	2	0.8	6.3	2	0.5	6.0	2	0.5	6.0	
6	2	0.4	6.3	2	0.3	6.0	...			...			
7	...			...			...			...			
8	...			...			...			...			
9	...			...			...			...			
10	...			...			...			...			
11	...			...			2	0.4	7.0	2	0.4	7.3	
12	2	0.4	6.7	2	0.3	6.0	2	0.3	6.0	2	0.3	6.5	
13	2	0.2	6.0	2	0.2	5.7	2	0.2	6.2	2	0.2	6.0	
14	2	0.2	6.3	2	0.1	6.3	3	0.2	6.2	3	0.2	5.5	
15	3	0.2	5.5	3	0.2	6.2	3	0.2	5.0	3	0.2	5.7	
	3	0.1	2.7	3	0.1	3.5	3	0.1	3.0				
16	3	0.2	5.7	3	0.2	5.5	3	0.2	5.5	3	0.1	5.3	
17	...			...			3	0.1	3.5	3	0.1	3.5	
18	3	0.2	3.5	3	0.2	3.5	3	0.2	3.3	3	0.2	3.3	
19	3	0.2	3.5	3	0.3	3.2	3	0.2	3.3	3	0.2	3.0	
20	3	0.2	3.2	3	0.1	3.0	...			...			
21	...			...			...			2	0.2	6.0	
22	2	0.2	5.7	2	0.2	6.0	2	0.3	5.8	2	0.2	6.2	

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Hours			0h			6h			12h			18h	
Date	K	A μ	T sed	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
23	2	0.2	6.0	2	0.2	6.0	3	0.2	5.2	3	0.3	5.2
24	3	0.3	5.2	3	0.4	5.0	3	0.6	5.2	3	0.1	2.3
	3	0.2	2.5	3	0.3	3.0	3	0.2	3.0	3	0.1	2.7
25	3	0.5	5.7	3	0.5	6.0	3	0.3	5.2	3	0.3	5.0
	3	0.2	2.5	3	0.2	4.7						
26	3	0.3	5.7	2	0.2	5.2	2	0.2	5.5	2	0.3	5.7
27	3	0.2	5.7	3	0.2	4.8	3	0.2	4.3	3	0.2	5.0
	3	0.1	2.2	3	0.2	2.7	3	0.1	3.0	3	0.2	4.0
28	3	0.2	4.5	3	0.2	5.0	3	0.2	5.5	3	0.2	5.7
29	3	0.2	5.3	3	0.2	6.0	3	0.2	5.5	3	0.2	6.3
30	3	0.2	5.3	3	0.2	6.3	3	0.1	3.0	3	0.1	3.7
	3	0.1	4.0	3	0.1	4.0	3	0.2	6.7	3	0.2	6.3
31	3	0.2	5.3	3	0.2	5.3	3	0.2	5.7	3	0.1	3.0
							3	0.1	2.7			

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