International Seismological Centre

'62

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4

Seismological Bulletin

Gennaio 1962

N°	Date	Character	Phase		h. m. s.	Remarks
						Traces
1	2	Iu	e(S)		00 02 53	USCGS: 52.4 N, 177° 7 E h = ab. 27 km
			eM		00 36,0	Rats Islands Aleutine H = 23.40.20.3
2	2	Ir	e(P)	N	12 30 01	Z not recording
			IM	E	41 55	USCGS: 80 N, 24.3 E H = ab. 48 km
						Svalbard region H = 12.22.58.7
						STRASBOURG: 80 N, 20 E H = 12.22.58
3	4	Iu	iS	N	04 58 32	Initial phase obscured by microseisms
			ei	E	58 39	$a^{b}n$. 9350 km
			e(SS)	N	05 03 51	USCGS: 33.9 N, 135.2 E Near Shikoku,
			eM		19 03	Japan Felt M = 6 (Berkeley)
						H = 04.35.42.6
4	5	Iu	eP'1	Z	00 43 20	Traces
			e	Z	44 39	USCGS: 15.5 S, 177.7 W h = ab. 24 km
			e	N	01 52,9	Fiji Island region M = 6 1/4 (Pas)
						6 1/4 - 6½ (Brk) H = 00.23.32.1
5	5	Iu	eP'_1	Z	08 27 54	Traces
			eP'_2	Z	28 11	15.5 S, 172.5 W h = ab. 60 km Tonga
						Islands region H = 08.08.07,5
6	6	Id	e	ZE	21 28 27	Slight trace
			i	E	28 31	

7 January - Beggining from the day a series of shocks take place in Dalmazia -

7	7	IIIr	ePn	NW-SE	10 04 06	360 km Felt II-III at Trieste
			ePg	NW-SE	04 15	Alfani not recording
			iPgPg	NW-SE	04 18	BCIS: 43° 15' N 17° 07' E
			ePgPgPg	NW-SE	04 29	H =10.03.12 Jugoslavia Dinariche
			iiSn	NW-SE - SW-NE	04 44	Alps around Makarska LJUBLIANA:
			IIIISg	NW-SE - SW-NE	05 01	slight damages at Mostar, Capljina
			IIIISgSgSg	NW-SE	05 (22)	Ljubuski, Ilisi, 400 houses damaged
						into the Makarska region Felt VIII in
						Hercegovina and Dalmazia
						USCGS: 43.4 N, 17.4 E h = ab. 32 km
						Jugoslavia 2 killed 19 injured heavy
						damage centering around Makarska
						H = 10.03.12.8

MAY 1 8 1962

N°	Date	Character	Phase		h. m. s.	Remarks
8	7	Iv	e(Pn)	Z	10 22 24	(350) km Alfani not recording
			e	SW-NE - NW-SE	23 09	
			i(Sg)	NW-SE	23 17	
			iM	SW-NE	2340	
9	7	Iv	e	E	11 04 10	Slight traces
10	7	Iv	e	E	13 49 25	
			i	E	50 07	
11	7	Iv	e	E	16 12 29	
			e	E	12 43	
			i(Sg)	E	13 04	
12	7	Iv	e	E	17 19 28	Slight trace
			i	E	19 40	
13	7	IIv	e(Pg)	EZ	18 08 34	(400)km
			ez		09 00	
			iSb		09 24	
			iiSg		09 31	
14	7	Iv	e	E	18 48 12	Slight traces
15	7	IIv	e	E	19 25 34	(360) km
			e	E	25 42	
			iPgPgPg	E	25 49	
			i(Sb)	E	26 17	
16	7	Iv	e	E	21 13 38	Slight trace
17	7	Iv	e	E	23 55 52	Slight trace
18	7	Iv	e	E	23 57 40	Slight trace
19	8	IIu	eP	Z-	01 11 53	Ab.8050 km Slight deep
			iiS	EN	21 (23)	USCGS: 18°5 N 70°5 W H = ab. 63 km
			i	E	21 52	Near South coast of Dominican Republic
			eL	E	35.4	1 killed, 6 Injured Damages at San José
			eM	E	42.7	and Ocoa and Azua M = 6½ (Pasadena)
						6 1/4 - 6½ (Berkeley) H = 01.00.24.2
20	9	Iu	eP	Z	12 53 04	Weak - obscured by microseisms
			eM	E	13 30,5	USCGS: 42.9 N, 144.8 E h = ab. 78 km
						Near coast od Hokkaido Japan
						H = 12.40.49.3
21	10	Iv	e	N	12 39 19	Slight trace
22	10	Iv	i	E	12 41 20	Traces

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N°	Date	Character	Phase		h. m. s.	Remarks
23	11	IIIv	ePn	Z+	05 05 55	370 km Felt III at Trieste
			iPgPg	Z	06 07	BCIS: 43° 15' N, 17° 07' E Jugoslavia
			iISn	SW - NE	06 34	Dinariche Alps, around Makarska
			iIISg	SW - NE		H = 05.05.02
						PRESS: Main - Seism; Again damages, particularly at Zavajane (Dalmatia) Forcibly felt at Makarska and in the near Islands of Peljesac
						BCIS: 43° 18' N, 17° 02' E Determination by electronic calculate machine Jugoslavia, Dinariche Alps around Makarska, destructive at Makarska, 4 killed, several wounded a lat of after - shocks '35 inscribed at Titograd on the 11th January
						USCGS: 43°5 N, 17°7 E h = ab. 25 km Near coast of Central Jugoslavia 2 killed 20 injured, moderate property damage of Podgora Place and Makarska
						M = 5 3/4 (Pas) H = 05.05.01.6
24	11	Iv	e	N	05 17 33	Obscured by preceding shock
25	11	Iv	e	NE	05 19 39	Obscured by preceding shock
26	11	Iv	e	N	05 28 03	Traces
			e	E	28 07	
27	11	Iv	i	N	05 31 12	Traces
28	11	Iv	i	N	05 34 38	Obscured by microseisms
			i	N	34 49	
			i(Sg)	E	34 58	
29	11	Iv	e	N	05 38 11	Traces
30	11	Iv	e	N	05 41 29	Traces
			i	N	41 36	
31	11	IIv	ePg	N	05 43 22	Obscured by the mean shock
			iPgPgPg	N	43 36	BCIS: H = 05.42.20
			i(Sg)	N	44 07	
32	11	IIv	e(P)	N	05 51 03	370 km
			iISg	N	51 55	BCIS: H = 05.50.06
33	11	Iv	e	N	05 59 35	Traces
34	11	Iv	e	N	06 01 38	Traces
			i	N	01 57	

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N°	Date	Character	Phase		h. m. s.	Remarks
35	11	Iv	e	N	06 15 47	Traces
			e	E	16 18	
			i	N	16 22	
36	11	Iv	e	N	06 33 33	Traces
37	11	Iv	e	N	06 45 41	Traces
38	11	IIv	e	E	06 47 37	370 km
			ePg	N	47 42	BCIS: H = 06.46.37
			ePgPgPg	E	47 54	
			i	N	47 59	
			iiSn	E	48 10	
			iiSg	N	48 26	
39	11	IIv	e(Pn)	N	06 51 45	(340)km
			e	N	52 03	
			i	N	52 14	
			i	N	52 25	
			ii	N	52 32	
			iiSg	E	52 35	
40	11	Iv	e	N	06 55 40	Traces
41	11	Iv	e	N	07 59 13	Traces
			ii	N	07 59 18	
42	11	Iv	i	E	08 00 10	Traces
43	11	Iv	e	N	08 05 41	Traces
44	11	Iv	i	N	08 08 41	Traces
45	11	Iv	i	N	08 34 55	Traces
46	11	Iv	e	N	08 46 53	Traces
47	11	Iv	i	N	08 50 59	Traces
48	11	Iv	i	N	09 21 54	Traces
49	11	Iv	e	N	09 50 57	Traces
50	11	IIIv	ePb	N	10 03 36	370 km
			ePg	Z	10 03 40	BCIS: H = 10.02.38
			iPgPg	N	03 44	
			iiSn	N	04 (13)	
			iiiiSg	N	04 28	
51	11	Iv	e	E	10 17 01	Traces
52	11	IIv	ii	NE	10 39 59	Obscured by the mean shock
53	11	Iv	i	N	11 05 01	Weak
54	11	Iv	e	N	13 41 22	Traces

N°	Date	Character	Phase		h. m. s.	Remarks
55	11	Iv	e	N	14 10 23	Traces
56	11	Iv	i	N	14 24 26	Traces
57	11	Iv	i	NE	16 51 56	Traces
58	11	Iv	e	N	17 42 52	Traces
59	11	Iv	e	N	18 01 42	Traces
			i	E	02 14	
60	11	IIv	ePg	N	19 45 16	370 km
			iSn	E	45 47	BCIS: H = 19.44.13
			i	N	45 52	
			iSg	N	46 04	
61	11	Iv	e	N	19 55 40	Traces
62	11	Iv	e	N	20 00 42	Traces
63	12	IIv	ePg	Z	00 09 03	370 km
			iPgPg	N	09 08	BCIS: H = 00.08.02
			iSn	NE	09 34	
			iiSb	E	09 47	
			iiiSg	N	09 54	
64	12	Iv	i	NE	03 07 28	Traces
			ii(Sg)	N	07 34	
65	12	Iv	ii(Sg)	N	10 56 50	Obscured by microseisms
66	12	Iv	e	N	11 57 29	Obscured by microseisms
			i(Sg)	N	57 50	
67	12	Iv	e	N	16 25 35	Traces
68	12	Iv	i	N	17 13 59	Obscured by microseisms
69	12	Iv	e	N	17 40 32	Obscured by microseisms
			i	N	40 46	
			ii	N	40 52	
70	12	Iv	e	N	18 05 29	Traces
71	12	Iv	e	N	20 22 42	Traces
			i	N	22 58	
72	12	Iv	e	N	20 36 11	Traces
73	12	IIv	ePb	E	20 49 34	370 km
			ePg	E	49 38	BCIS: H = 20.48.36
			iiSn	N	50 09	
			iiiSg	N	50 28	
73	12	Iv	e	N	21 09 50	Traces
			i	N	10 24	
			i	N	10 29	

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N°	Date	Character	Phase		h. m. s.	Remarks
74	12	Iv	(e)	N	21 16 01	Traces
			e	N	16 25	
			i	N	16 30	
75	12	IIv	e	N	21 39 21	Obscured by microseisms
			i ISg	N	39 58	
76	12	Iv	e	N	21 55 24	Traces
77	12	Iv	e	N	21 59 33	Slight trace
78	12	Iv	i	N	22 22 55	Traces
79	12	Iv	e	N	22 40 38	Obscured by microseisms
			i I	N	41 (14)	
80	13	IIv	e	N	00 24 34	Traces
81	13	IIv	ePn	E	00 56 09	(340) km
			iSn	N	56 44	
			i II Sg	N	56 59	
82	13	IIv	ePn	Z	04 48 54	370 km
			iPg	Z	49 03	BCIS: 04.48.03
			iSn	E	49 33	
			iSb	N	49 42	
			i II Sg	E	49 49	
83	13	Iv	i ISg	N	04 53 38	Obscured by preceding shock
84	13	Iv	e	N	05 09 15	Traces
85	13	Iv	e	E	09 19 02	Traces
			i	E	19 19	
			i	N	19 24	
86	13	IIv	ePn	N	13 02 21	370 km
			iSn	E	02 58	BCIS: 13.01.29
			i II Sb	NE	03 (11)	
87	13	Iv	e	N	17 12 32	Obscured by microseisms
			i I (Sg)	N	12 57	
88	14	Iv	i (Sg)	E	03 10 53	Traces
89	14	Iv	ePg	N	04 17 24	(400) km
			iSn	NE	17 56	
			i II Sg	N	18 15	
90	14	Iv	e	NE	13 23 44	Traces
91	14	Iv	i	N	13 33 09	Traces

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N°	Date	Character	Phase		h. m. s.	Remarks
92	14	IIv	ePg	N	16 44 18	340 km
			iPgPg	E	44 23	
			iPgPgPg	EZ	44 35	
			iSn	Z	44 49	
			IIISg	NE	45 02	
93	14	Iv	e	N	17 02 46	Traces
94	14	Iv	e	E	17 55 33	Weak
			iSg	NE	55 44	
95	15	Iv	i	N	02 04 48	Traces
96	15	Iv	ePg	N	08 37 27	350 km
			iSn	E	37 56	
			IISg	N	38 11	
97	16	Iv	e	Z	11 56 55	Weak
			i	Z	57 05	
			iSg		57 10	
98	17	Iv	e	N	00 48 18	Traces
			iSg	N	48 38	
99	17	Iv	e	N	00 51 28	Slight trace
100	17	Iv	e	N	01 04 27	Slight trace
101	17	Iv	e	N	01 31 23	Slight trace
102	17	Iv	e	E	03 16 30	Traces
			iSg	NE	16 37	
103	17	Iv	e	N	03 44 20	Slight trace
104	17	Iv	ePn	Z	03 57 04	360 km
			ePg	Z	57 12	
			iSn	N	57 42	
			iSb	N	57 52	
			iSgSgSg	N	58 18	
105	17	Iv	e	Z	04 02 05	Traces
			i	N	02 08	
106	17	Iv	e	Z	04 04 01	Slight trace
107	17	Iv	e	E	08 20 20	Slight traces
			e	NE	20 23	
108	17	Iv	e	N	14 34 21	Slight traces
109	17	Iv	e	N	19 40 26	Traces
			i	N	41 02	

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N°	Date	Character	Phase		h. m. s.	Remarks
110	17	Iv	e	N	21 27 13	Slight trace
111	17	Iv	e	E	22 36 24	Traces
			i	NE	36 33	
112	17	Iv	e	N	22 43 04	Traces
113	17	Iv	e	N	23 19 51	Slight trace
114	18	Iv	e	E	08 03 59	Slight trace
115	18	Id	e	Z	10 31 15	Slight trace
			e	N	31 11	
116	19	Iv	ePn	Z	05 02 46	460 km
			ePb	NE	02 54	
			iSn	N	03 34	
			i ISb	E	03 49	
			i ISg	E	03 57	
			iM	N	04 25	
117	19	Iv	e	N	10 07 10	Slight trace
118	19	Iv	e	N	10 24.04	Slight trace
119	19	Iv	e	N	16 50 42	Weak
			e	EZ	51 07	
			i(Sg)	N	51 18	
120	19	Iv	e	N	19 19 20	Slight trace
121	19	IIv	ePn	N	19 40 18	1040 km
			i(Sn)	E	42 (01)	BCIS: Greece H = 19.38.00
			iSgSg	N	43 12	ATENE: 38°½ N, 22°0 E
			iSgSgSg	N	43 20	USCGS: 38,5 N, 22.1 E h = ab. 38 km
						Greece H = 19.38.04.1
122	19	Iv	ePn	Z	20 14 18	360 km
			ePg	Z	14 26	
			i ISn	Z	14 57	
			i i ISg	Z	15 12	
123	19	IIv	ePn	Z	22 20 44	1040 km
			ePgPg	E	21 30	BCIS: Aftershock H = 22.18.22
			eSn	E	22 28	USCGS: 38,2 N, 22.1 E h = ab. 60 km
			iSg	ZN	23 31	H = 22.18.27.3
124	20	Iv	e	N	11 16 54	Slight trace
125	20	Iv	e	N	14 06 05	Slight trace

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N°	Date	Character	Phase		h. m. s.	Remarks
126	21	IIv	ePn	Z	02 52 27	390 km
			ePb	N	52 33	BCIS: Jugoslavia 43° 3 N, 17° 1 E
			ePg	E	52 38	H = 02.51.32
			iPgPg	N	52 42	PRESS: After shock of the seism of
			iPgPgPg	N	52 51	January 11, 1962
			iiSn	N	53 08	Forcibly felt on the Dalmate coast
			iiiSb	SW - NE	53 22	USCGS: 43° 2 N, 16° 6 E h = ab. 33 km
			iiiSgSg	SW - NE	53 30	Near coast of central Jugoslavia, minor damage at Makarska H = 02.51.36.2
127	21	Iv	e	N	03 49 18	Traces
			i	N	49 37	
			iSg	N	49 56	
128	21	IVu	eP'1	Z	13 10 45	Slight trace deep
			eP'2	Z	10 53	USCGS: 17,7 S, 178,8 W h = 558 km, Fiji, Islands H = 12.51.52,1
129	21	Iv	e	N	19 44 06	390 km
			ePgPg	E	44 13	BCIS: aftershock H = 19.43.09
			iSn	E	44 42	
			iiSb	N	44 56	
130	22	Iv	e	N	01 13 45	Slight trace
			i	N	13 51	
131	22	Iv	e	N	13 36 34	Slight trace
132	22	Iv	ePn	N	15 08 33	360 km
			iPg	E	08 40	
			ePgPgPg	N	08 54	
			iSn	N	09 10	
			iiSb	N	09 20	
			iiSg	N	09 25	
133	23	IIIv	iPg	Z	17 32 (03,6)	170 km (beginning in minute break)
			iSg	SW - NE	32 25	Felt IV at Trieste
			ii	SW - NE	32 30	BCIS: Adriatico sea 44° 1 N, 12° 8 E H = 17.31.37
						ROMA: Felt Rimini and Ancona
						USCGS: 44° 6 N, 12° 3 E h = ab. 6| km
						Near coast of Emilia, Romagna Italy
						Felt Ancona Rimini Trieste
						H = 17.31.39.7
134	24	Iv	e(Sn)	E	18 37 09	Traces
			i(Sg)	N	37 24	
			i	N	37 31	

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N°	Date	Character	Phase		h. m. s.	Remarks
135	26	IIIr	iPn	Z-	08 20 34	Ab.1300 km
			iPgPgPg	N	21 35	BCIS: Mediterranean sea W of Creta
			iiSn	E	22 46	H = 08.17.44 35° 5 N 22° 5 E
			iiSgSg	NW - SE	24 08	deep ab 50 km Determination by
			iiSgSgSg	NW - SE	24 12	electronic
			iiQ	SW - NE	24 27	USCGS: 35,1 N, 22.7 E h = ab. 32km
			iiiM	SW - NE	25 11	Mediterranean Sea west of Crete
						M = 5 - 5 1/4 (Pal) H = 08.17.37

Station not operating from January 27 - 21^{h} 52^{m} to January 28 - 06^{h} 52^{m}

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - ITALIA

- MICROSEISMIC MEASUREMENTS -

- January 1962 -

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	3	0.2	4.5	3	0.1	4.0	3	0.1	4.0	3	0.2	4.1
	3	0.1	2.5	3	0.1	2.5	3	0.1	2.5	3	0.1	2.5
2	...			3	0.2	4.6	3	0.2	3.7	3	0.2	4.3
				3	0.1	3.3						
3	3	0.2	4.0	3	0.2	3.0	3	0.2	5.5	3	0.2	5.0
	3	0.1	2.0				3	0.1	3.3	3	0.1	2.7
4	3	0.2	5.7	...			2	0.3	6.8	2	0.3	7.0
	3	0.1	2.7									
5	2	0.3	7.0	2	0.3	6.7	2	0.3	6.7	2	0.3	6.7
6	2	0.3	7.0	2	0.2	6.7	2	0.2	6.7	2	0.3	7.0
7	2	0.3	7.0	2	0.3	6.7	3	0.6	8.0	...		
							3	0.1	2.5			
8	...			3	0.8	9.0	3	0.6	8.5	3	0.6	8.2
9	3	0.6	7.2	3	0.5	7.7	2	0.5	6.7	2	0.3	6.5
10	2	0.3	6.3	2	0.3	6.3	2	0.2	5.7	3	0.3	5.7
11	3	0.3	6.0	...			3	0.6	7.3	3	0.6	6.7
12	3	0.6	7.5	3	0.6	6.7	3	0.6	6.7	3	0.6	6.5
				3	0.3	2.9	3	0.3	3.3	3	0.3	3.0

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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
13	3	0.6	6.3	3	0.5	6.7	3	0.5	6.7	3	0.7	7.1
	3	0.1	3.0									
14	3	0.6	6.7	3	0.6	6.7	3	0.6	6.7	3	0.5	6.5
15	2	0.3	6.3	2	0.4	6.5	3	0.5	6.7	3	0.7	6.7
16	3	0.9	7.0	3	0.9	6.7	3	0.9	6.7	3	0.5	7.0
17	2	0.6	6.7	2	0.5	7.0	2	0.4	6.5	2	0.4	6.0
18	2	0.5	5.7	2	0.5	6.0	2	0.3	5.7	2	0.2	5.7
19	2	0.2	6.0	2	0.2	6.0	2	0.2	5.7	2	0.2	5.5
20	2	0.2	5.7	2	0.2	5.7	2	0.2	6.0	2	0.2	6.2
21	2	0.2	6.7	2	0.3	6.7	2	0.3	7.0	2	0.5	7.3
22	2	0.6	7.3	2	0.5	7.0	2	0.5	6.7	2	0.5	7.3
23	3	0.4	7.3	3	0.4	7.7	...			...		
				3	0.2	2.7						
24	3	0.2	6.7	3	0.2	5.3	3	0.2	5.7	3	0.2	6.0
	3	0.1	2.5									
25	2	0.2	6.2	2	0.2	6.0	2	0.2	6.0	2	0.1	5.7
26	3	0.2	6.5	3	0.2	6.5	3	0.2	6.7	3	0.3	7.5
27	2	0.4	7.9	2	0.5	8.1	2	0.2	8.0	2	0.2	7.4
28	...			...			2	0.2	6.8	2	0.1	6.7
29	2	0.1	6.0	3	0.1	6.0	3	0.1	5.0	3	0.2	4.3
							3	0.1	2.5			
30	2	0.2	4.3	3	0.2	4.0	3	0.2	4.5	3	0.2	4.0
31	3	0.5	8.1	3	0.6	8.0	3	0.7	7.3	3	0.4	6.7
	3	0.2	3.3	3	0.2	3.3	3	0.2	3.0	3	0.1	3.0

C.PUPIS

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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 S P E R I M E N T A L E

T R I E S T E

Viale Romolo Gessi, 4 - Italia

Seismological Bulletin

February 1962

N°	Date	Character	Phase		h. m. s.	Remarks
1	3	Iu	ePPP	E	01 00 03	Ab. 12.650 km
			eSS	NE	13 11	Initial phases obscured by microseisms
			eSSS	E	01 17 06	USCGS: 1.2 S, 137.8 E h = ab. 17 km
			eL	E	35,3	North of New Guinea H = 00 37 53.6
2	3	I(v)	e	N	12 06 42	Slight Trace
3	4	Iu	eiP	Z+-	21 39 08	6.050 km - obscured by microseisms.
			ePcP	Z	40 08	USCGS: 05 S 20.2 W h = ab. 17 km
			ePP	Z	41 06	South Atlantic Ocean H = 21 29 33.2
			ePPP	Z	42 18	
			iS	E	46 49	
			eM	E	22 01,5	
4	5	Iv	e	N	13 57 26	Slight Trace
			e(Sg)	ZN	57 44	
5	5	IVu	eiP	Z+	23 08 13	Traces ab. 9.500 km h = ab. 140 km
			epP	Z	08 48	USCGS: 35.9 N 138.8 E h = ab. 151 km
			ePP	Z	11 33	Central Honshu, Japan. Felt.
						H = 22 55 49.6
6	7	Iv	ePn	Z	13 44 26	(540) km
			eSn	N	45 22	
			iSg	Z	45 50	
			iIQ	N	46 00	
			iSgSgSg	ZE	46 05	
			iM	N	46 20	
7	12	I(d)	ePg	E	16 05 00	(70) km. Traces
			iSg	N	05 09	
8	14	IIIu	ePP	Z	06 55 51	12.800 km - Obscured by microseisms
			eSP	N	05 29	USCGS: 38.1 S 73.1 W h = ab. 44 km
			iSS	N	11,7	Near coast of Chile. Moderate property
			eL	Z	31,4	damage in Central Chile. M = 7 1/4 Pas,
			eM	Z	38,3	7 ½ (Berk). H = 06 36 01.3.
9	14	Iv	e	N	13 08 39	Slight Traces.
10	14	Iv	e	E	13 20 25	Traces.
			e	Z	20 41	
			i(Sg)	N	20 47	
11	16	Iv	e	EN	13 48 36	Weak obscured by microseisms.
			i	N	48 38	
			e	E	49 02	
			i	E	49 31	
			i	N	50 01	

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N°	Date	Character	Phase		h. m. s.	Remarks
12	18	I(r)	e	E	07 04 39	Obscured by microseisms.
			e	E	05 41	
			i(Sg)	N	06 10	
			i	N	06 28	
13	18	IVu	eiP	Z	17 37 36	ab. 9.500 km. h = ab. 70 km. Obscured
			ipPP	Z	37 53	by microseisms. USCGS: 8.1 N, 74.6 W.
			iS	N	48 02	h = ab. 70 km. Northern Colombia. Felt:
			isS	E	48 27	Bogotà and Medelin. H = 17 25 17.3.
14	20	I(d)	e	Z	07 37 04	Traces (45) km
			i	Z	37 07	
			i	N	37 10	
15	20	IVu	eP'_1	Z	10 26 10	Traces ab. 17.250 km. h = 710 km.
			e	Z	26 20	USCGS: 25.9 S, 178.4 E, h = ab. 655 km.
			iP'_2	Z	26 43	South of Figi Islands region.
			epP'_1	Z	28 54	H = 10 07 26.6.
16	20	Iu	iP	Z	16 18(00)	Beginning in minute break. 9.250 km.
			ipP	Z	18 19	h = ab. 60 km. USCGS: 43.0 N, 144.9 E.
			ePP	Z	21 27	h = ab. 60 km. Near coast of Hokkaido,
			iSKS	N	28 06	Japan. Felt. H = 16 05 44.6.
			iS	E	28 22	
			isSKS	N	28 38	
			eSPP	N	30 08	
			eL	N	47,3	
			eM	N	52,2	
17	20	IIu	iP	Z	22 13 33	7.400 km. USCGS: 26.1 N, 96.8 E.
			iPP	Z	16 03	h = ab. 25 km. Northern Burma.
			iS	N	22 24	H = 22 02 38.2.
			iSP	N	23 05	
			i	E	23 28	
			iSSS	N	30 10	
			eL	N	35,3	
			eM	N	40,0	
18	20	I(v)	e	NE	23 02 08	Slight Trace.
19	21	I(d)	i	ZN	15 22 33	Slight Trace.
20	23	Iu	e(L)	N	21 23,8	Traces obscured by microseisms. USCGS: 38 S, 152.0 E. h = ab. 25 km. New Britain. Felt. Raboul Namatanai. H = 20 21 28.6.
21	25	Iv	e(Pg)	N	17 42 32	Traces (370) km.
			iSg	E	43 20	
			iSgSg	E	43 25	

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N°	Date	Character	Phase		h. m. s.	Remarks
22	27	Iv	ePg	E	05 09 27	Traces ab. 400 km.
			e	E	09 50	
			i(Sn)	N	10 00	
			i(Sb)	N	10 10	
			iSg	E	10 16	
23	27	Iu	ePPP	N	13 02 46	Weak ab. 12.500 km. Obscured by micro-
			e(PS)	E	10 08	seisms. USCGS: 37.4 S, 73.2 W.
			eL	N	34,0	h = ab. 40 km. Near coast of Central
			eM	E	42,8	Chile. M = 6 1/4 - 6 ½ (Pas), 6 (Berk).
						H = 12 40 48.9

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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 S P E R I M E N T A L E
T R I E S T E

Viale Romolo Gessi, n. 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- February 1962 -

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	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	3	.0.4	.7.7	3	. 0.4	. 7.7	3	. 0.4	. 7.7	3	. 0.4	. 7.7
	3	0.1	3.4	3	0.1	3.0						
2	3	0.4	7.3	3	0.4	7.7	3	0.4	7.6	3	0.4	7.5
3	3	0.4	7.0	3	0.4	7.0	3	0.3	6.5	3	0.6	7.2
4	3	0.6	8.0	3	0.8	8.3	3	0.6	8.0	2	0.6	8.0
5	2	0.6	7.7	2	0.4	7.5	2	0.4	7.0	2	0.4	7.0
6	2	0.4	7.0	2	0.4	7.0	2	0.4	7.0	2	0.3	6.0
7	2	0.6	6.7	2	0.6	6.3	2	0.6	6.3	2	0.7	7.0
8	2	0.5	7.0	2	0.3	6.3	2	0.2	6.5	3	0.1	6.0
9	3	0.1	5.7	3	0.1	6.0	3	0.1	5.0	3	0.1	5.0
	3	0.1	3.0	3	0.1	3.0						
10	3	0.1	5.7	3	0.2	5.7	3	0.3	5.8	2	0.3	6.4
11	2	0.4	6.7	2	0.6	7.3	2	0.6	6.7	2	0.7	6.5
12	2	0.8	7.0	2	0.7	7.3	2	0.8	6.4	2	1.0	7.2
13	2	0.7	6.7	2	0.8	6.8	2	0.6	6.7	3	0.6	6.0
14	3	0.5	5.3	3	0.4	5.0	3	0.5	5.0	3	0.5	4.3
	3	0.3	2.5	3	0.4	3.5	3	0.3	4.0			
15	3	0.5	6.0	3	0.3	5.5	3	0.4	6.2	...		
16	3	0.2	6.7	3	0.4	7.3	2	0.9	8.3	2	0.7	7.5
17	2	0.5	6.5	2	0.6	6.7	2	0.7	6.3	2	0.6	6.2
18	2	0.6	6.3	2	0.4	5.8	2	0.3	6.2	...		
19	2	0.2	6.2	2	0.2	6.0	2	0.1	5.5	2	0.2	6.3

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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
20	2	0.2	5.7	2	0.3	6.2	2	0.2	6.2	2	0.2	5.3
21	2	0.1	5.0	2	0.1	5.3	2	0.1	5.8	2	0.1	5.5
22	3	0.1	5.0	...			3	0.2	5.6	3	0.1	5.0
23	3	0.2	6.5	3	0.2	5.7	3	0.2	5.7	3	0.2	5.7
	3	0.1	2.5	3	0.1	2.7	3	0.1	3.0	3	0.1	3.3
24	3	0.2	5.7	3	0.2	5.3	3	0.2	5.7	3	0.2	5.7
	3	0.2	3.0									
25	3	0.2	5.7	3	0.2	6.0	3	0.1	6.0	3	0.2	5.5
26	3	0.2	6.0	3	0.2	6.3	3	0.2	5.3	3	0.1	5.0
										3	0.1	3.7
27	3	0.1	5.0	3	0.3	3.0	3	0.2	3.0	3	0.2	3.0
28	3	0.1	3.0	3	0.1	5.3	2	0.1	4.8	2	0.1	3.6
				3	0.1	3.0						

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, 4 - Italia

Seismological Bulletin

March 1962

N°	Date	Character	Phase		h. m. s.	Remark
1	1	Ir	i(Sg)	N	09 54 42	Obscured by microseisms.
2	2	Iu	eL	N	00 50,5	weak - obscured by microseisms.
			eM	N	58,2	USCGS: 14.0 S, 172.5 E. h = ab. 73 km.
						Samoa Islands Mag. 6 (Pas) H = 23 41 14.5
3	8	Iu	eM	N	22 07,5	Traces - Obscured by microseisms.
			e	N	11,8	USCGS: 3.4 S, 29.2 E, h = ab. 25 km.
						Republic of the Congo. H = 21 38 35.4.
4	9	IVu	eP'_2	Z	07 16 14	Slight Trace deep.
			e	Z	16 24	USCGS: 18.4 S, 178.7 W. Isole Figi.
						h = ab. 472 km. H = 06 57 08,7.
5	9	I	e	N	18 19 44	Slight Trace. Obscured by microseisms.
			e	E	20 09	
			e	E	20 46	
6	11	Iu	i	N	19 42 20	ab. 10.950 km. Oscured by microseisms.
			iSKS	N	43 25	USCGS: 9.0 N, 126.7 E. h = ab. 25 km.
			iSKRS	E	43 44	Near east coast of Mindanao P.I.
			iS	E	44 21	H = 19 19 05.6.
			i	N	44 37	
			e(L)	N	20 02,4	
7	12	IVu	eP	Z	09 54 32	Traces - deep. USCGS: 9.0 N, 83.0 W.
			epP	Z	54(03)	Costa Rica. h = ab. 113 km.
			iS	N	10 05 19	H = 09 41 45,7.
			eSP	N	06 26	
8	12	IIu	eiP	Z+	11 53 13	Ab. 10.000 km. USCGS: 8.1 N, 83 W.
			ePP	Z	56 43	h = ab. 58 km. Near south coast of
			eiSKS	E	12 03 41	Panama and Costa Rica. M = (Pas) 6 3/4
			iS	E	04 05	(Pal) 6 1/4 - 6 1/2. H = 11 40 12.8.
			iSS	E	10 16	
			eL	N	23 39	
9	12	I	e	Z	12 39 49	Slight Trace.
10	12	I(d)	e	N	22 29 49	Slight Trace.
11	14	Iv	e	E	21 48 09	Weak - obscured by microseisms.
			i(Sg)	EZN	48 23	

MAY 1 1 1962

N°	Date	Character	Phase		h. m. s.	Remark
12	17	IIIu	eizP	Z	20 57 36	6.600 km. USCGS: 10.6 N, 43.7 W. h =
			iPP	Z	59 47	ab. 25 km. North Atlantic Ocean. H =
			ePPP	Z	21 00 58	= 20 47 31.7.
			i	NE	05 36	
			i IS	NE	05 48	
			eSS	N	09,6	
			eSSS	N	12,4	
			iL	E	15,1	
			i IM	E	20,1	
13	17	I	e	Z	21 27 13	Slight Trace.
14	17	Iv	ePg	Z	21 39 57	140 km. Slight Traces.
			eSg	Z	40 14	
15	17	I	e	Z	21 48 29	Slight Trace.
16	18	IVu	e(P')	Z	03 25 57	Slight Trace deep. USCGS: 16.1 S, 167.2 E. h = ab. 200 km. New Hebrides Island region. H = 03 06 39.4.
17	18	IIIv	iPn	Z-	15 32 09	ab. 700 km.
			iPb	NW-SE	32 22	BCIS: 40°43'16"N, 19°35'53"E. h = 33 km.
			ePg	NW-SE	32 32	H = 15 30 33,6 S. Determination by electro
			iPgPgPg	NW-SE	32 41	nic calculate machine. 154, injured into
			iSn	SW-NE	33 19	the Fiori and Wlora regions, 123 inhabita-
			i IM	SW-NE	34 34	tions damaged in the Tepolene region. PRESS: Felt in Italy in Brindisi and Lec- ce regions, and in Jugoslavia till Skopje. USCGS: 40.6 N, 196 E, h = ab. 25 km. Southern Albania 15 dead 154 injured mo- derate damage. H = 15 30 31.6.
18	18	Iu	eM	E	21 01,2	Traces. USCGS: 23.7 N, 114.5 E. h = ab. 43 km. Kwangtung Provincie China 1 Killed 2 injured at Canton. Felt: Hong Hong and Macao. H = 20 18 54,3.
19	19	Iv	i	E	08 00 57	Weak.
			i	E	01 18	
			i	E	01 28	
			i	E	01 36	
			i(Sg)	E	01 44	
			i	E	02 03	
			i	N	02 29	
20	19	Iu	ePP	Z	06 12 42	Slight Trace. USCGS: 0.3 N, 123.5 E. h = ab. 53 km. Near south coast of Minahossa Peninsula Celebes Islands. H = 05 54 24.4.
21	20	Iv	e	N	01 03 07	Weak.
			i	N	03 38	
			i	N	04 11	
			i(Sg)	Z	04 26	
			i	E	04 36	

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N°	Date	Character	Phase		h. m. s.	Remark
22	21	Iv	e	N	08 26 36	Traces.
			e	N	27 02	
			i(Sg)	N	27 15	
			i	N	27 24	
23	22	I	i I(S)	E	00 42 14	Traces.
24	22	Iu	e	E	15 33(00)	D = 13.100 km. USCGS: 3.2 S, 142.3 E.
			ePP	Z	33 11	h = ab. 25 km. Near north coast of
			ePPP	E	35 47	New Guinea. M = 5 3/4 (Brk).
			eiSKS	E	38 49	H = 15 13 03.9.
			eS	E	41 06	
			ei(SKSP)	N	43 10	
			e(SS)	N	48 36	
			e	N	51 03	
			eSSS	E	54,0	
			eM	N	16 16,0	
25	23	Iv	e	N	11 41 10	Traces.
			e	E	41 26	
			e	N	41 29	
			i(Sg)	E	41 34	
			e	E	41 45	
			e	E	41 52	
26	24	I	i	N	13 27 48	Slight Trace.
			i	N	28 45	
27	25	I	iPn	ZN	21 40 04	(480) km. Traces.
			iSgSg	ZEN	41 23	
28	26	Iv	e	E	09 25 47	ab. 1.030 km.
			eSn	E	26 08	
			e	E	26 14	
			i	N	26 26	
			iSg	E	27 14	
			i IQ	N	27 28	
			iM	E	28 05	
29	26	Iu	eiP	Z	12 14 24	6.050 km. USCGS: 0.5 S, 19.2 W. h = ab.
			iPP	Z	16 35	25 km. Mid Atlantic Ocean. H = 12 04 54,6.
			i IS	N	22 04	
			eM	E	34 20	
30	26	Iu	e(L)	E	17 33 24	Traces. USCGS: 40.6 S, 73.3 W.
			e(M)	E	40 04	h = ab. 32 km. Near coast of Southern
						Chile. H = 16 32 43.6
31	27	Id	e	E	10 01 26	Slight Trace.
			i	N	01 36	

N°	Date	Character	Phase		h. m. s.	Remark
32	28	Iv	e	N	07 21 32	Weak.
			e	N	21 42	
			e	N	22 16	
			i(Sg)	N	22 25	
			i	Z	22 31	
			i	N	22 38	
33	31	Iv	ePn	N	01 50 03	320 km. Weak.
			ePg	N	50 11	
			iSn	N	50 38	
			i(Sg)	EN	50 52	
			i	N	51 10	
34	31	I	e	E	08 47 19	Slight Traces.

C. P U P I S

International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - Italia

- MICROSEISMIC MEASUREMENTS -

- March 1962 -

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	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 u	T sec
1	3	0.2	6.0	3	0.2	5.6	3	0.4	3.8	3	0.2	4.0
	3	0.2	2.5	3	0.2	3.6						
2	3	0.2	3.6	3	0.2	5.0	3	0.2	5.9	2	0.2	5.0
3	2	0.1	6.0	2	0.2	5.2	2	0.2	6.3	2	0.2	5.5
4	2	0.1	5.7	2	0.2	5.8	3	0.2	5.8	3	0.3	4.2
							3	0.1	3.8			
5	3	0.4	4.6	3	0.3	4.3	3	0.3	4.7	3	0.5	4.5
6	3	0.2	5.0	3	0.2	5.1	2	0.2	5.0	3	0.2	5.7
7	3	0.3	6.4	3	0.6	6.5	3	0.5	6.7	3	0.6	6.4
8	3	0.5	6.8	3	0.6	6.9	3	0.3	6.5	3	0.3	5.5
9	3	0.3	5.7	3	0.3	6.3	2	0.2	6.1	2	0.1	5.6
10	2	0.2	6.0	2	0.2	5.8	3	0.2	6.0	3	0.1	6.0
11	3	0.1	5.3	3	0.1	4.7	3	0.2	3.8	3	0.2	4.0
	3	0.1	3.2	3	0.2	2.7						
12	3	0.2	4.7	2	0.2	5.0	...			2	0.2	5.3
13	2	0.2	5.7	2	0.2	6.0	2	0.2	6.0	3	0.2	5.5
										3	0.1	3.0
14	3	0.2	5.6	3	0.2	6.2	3	0.3	4.7	3	0.2	4.0
	3	0.1	3.0	3	0.2	3.0						
15	3	0.3	4.0	3	0.5	4.7	3	0.6	5.6	3	0.5	5.3
16	3	0.5	5.7	3	0.4	5.6	3	0.3	5.0	3	0.2	5.0
17	3	0.2	5.3	3	0.2	5.0	2	0.2	6.0	2	0.2	6.0

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
18	2	0.2	6.0	2	0.2	6.0	2	0.2	6.0	2	0.2	6.6
19	2	0.3	6.5	2	0.4	6.9	2	0.3	6.7	2	0.2	6.0
20	2	0.2	6.5	2	0.3	6.4	2	0.3	6.7	2	0.3	6.2
21	2	0.2	6.4	2	0.2	6.0	3	0.2	5.0	3	0.2	4.0
22	3	0.2	5.0	3	0.1	5.0	3	0.1	4.6	3	0.1	4.0
23	3	0.1	4.5	3	0.1	4.5	0.0			0.0		
24	0.0			0.0			3	0.1	3.6	3	0.1	3.3
25	3	0.2	3.7	3	0.2	3.6	3	0.2	3.5	3	0.3	5.8
26	3	0.2	3.7	3	0.2	4.4	3	0.2	5.0	...		
27	2	0.1	5.7	2	0.2	5.3	2	0.2	6.0	2	0.2	6.0
28	2	0.2	5.7	2	0.1	5.0	2	0.2	5.6	2	0.2	5.0
29	2	0.2	5.5	...			2	0.2	5.7	2	0.2	5.4
30	2	0.2	5.0	2	0.2	5.0	2	0.2	5.0	2	0.2	6.0
31	2	0.2	6.0	2	0.2	6.0	...			3	0.2	5.5

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OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo Gessi, 4 - Italia

Seismological Bulletin

April 1962

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	I	eL	N	01 03 43	Traces
					08 01	USCGS: 33.6 N, 59.0 E h = ab. 33 km
						East Iran, Two killed and 3 injured
						at Tayhough and Mausavieh
						H = 00.45.14.6
2	2	I	i(Sg)	E	11 41 40	Traces obscured microseisms
			i	Z	41 48	
			i	N	41 57	
			i	E	42 06	
3	4	Ir	e	E	20 56 54	Traces obscured by microseisms
			eSn	E	57 12	ab. 15.90 km
			i	E	57 21	USCGS: 34.7 N, 25.5 E h = ab 21 km
			iQ	N	59 26	Crete H = 20.51.05.2
4	4	Ir	e	N	21 05 24	Traces obscured by microseisms
			e	E	05 28	ab. 1620 km
			e(Sn)	E	05 53	USCGS: 34.6 N, 25.5 E h = ab. 25 km
			iSgSgSg	N	07 43	Crete H = 20.59.36.1
			i	N	08 01	
			iQ	E	08 10	
5	4	I(r)	e	E	22 40 41	Slight traces - obscured by
			e	E	40 54	microseisms
			e	N	41 58	
6	6	I(d)	(e)	Z	15 29 59	(45) km
			i	Z	30 01	
			i	Z	30 05	
7	6	Iv	ePn	Z	18 49 30	(720)km
			ez	Z	49 46	
			e	E	50 32	
			eSn	Z	50 50	
			i(Q)	N	51 47	
			eM	E	52 20	

N°	Date	Character	Phase		h. m. s.	Remarks
8	7	Iv	(e)Pn	Z	21 37 05	750 km
			ePb	Z	37 17	USCGS: 40.9 N, 20.3 E h = ab. 25 km
			e	Z	38 06	Albania H = 21.35.28.1
			i	Z	38 18	
			iSn	E	38 20	
			i	N	38 26	
			i(SgSgSg)	N	39 13	
			iQ	N	39 17	
			i	E	39 28	
			i	E	39 34	
9	10	I(r)	e	E	00 26 48	Weak obscured by microseisms
			e	N	26 56	
			i	E	27 15	
			i	N	27 45	
			i	E	27 50	
10	10	IIIr	(e)Pn	N	21 39 20	1000 km
			ePgPgPg	NW-SE	40 06	BCIS: 38° 1/4 N, 19° 3/4 E
			e	SW-NE	40 37	M = 6 1/4 - 6½ (Atene, Collmberg)
			iiSn	SW-NE	41 05	Jonian sea H = 21.37.13
			iiiiSgSgSg	SW-NE--NW-SE	42 14	USCGS: 37.9 N, 20.1 E h = ab. 35 km Jonian sea M = 5 - 5 1/4 (Pal) H = 21.37.12.6
11	10	I(r)	eSn	E	22 14 38	960 km
			e	E	15 16	Traces obscured by preceding shock BCIS: aftershock H = 22.10.51 USCGS: 38.1 N, 20.4 E h = ab. 25 km Jonian sea H = 22.10.50.3
12	10	I(r)	e	N	23 39 45	Weak Z not recording 37.8 N,
			eSn	E	40 (00)	20.7 E h = ab. 25 km Jonian sea
			e	E	41 03	H = 23.35.59.9
			iSgSg	E	41 39	
			i	E	42 07	
			i	E	42 21	
13	10	I(r)	e	N	23 46 53	Slight trace Z not recording
			e	N	47 27	

N°	Date	Character	Phase		h. m. s.	Remarks
14	11	Ir	eSn	E	01 40 03	1050 km Weak Z not recording
			e	N	40 25	USCGS: 37.8 N, 20.4 E h = ab. 25 km
			iSgSg	E	41 05	Ionian sea H = 01.35.46.6
			iM	N	41 56	
			i	E	42 05	
15	11	Ir	e	N	02 03 12	Traces
			e	N	03 26	
			i	N	04 18	
16	11	IIIr	ePn	ZE	10 49 43	960 km
			iISn	N	51 21	BCIS: aftershock H = 10.47.33
			iISgSg	N	52 21	USCGS: 38.2 N, 20.0 E h = ab. 43 km
			iSgSgSg	N	52 28	Jonian H = 10.47.34.0
						sea
17	11	I	e	E	17 46 06	Traces
18	11	I	e	N	20 36 21	Slight traces
19	11	I	e	N	22 49 10	Traces
			e	N	50 43	
			i	E	51 30	
20	11	I	e	N	23 20 14	Traces
			e	NE	20 27	
			e	E	20 46	
21	12	Iv	e	N	00 05 10	Traces USCGS: 37.7 N, 20.0 E ab. 25 km
			e	NE	05 39	Jonian sea H = 00.21.45.4
			e	N	06 26	
			eSgSg	N	07 10	
22	12	Iv	e	E	00 47 19	Weak
			e	N	48 07	
			e	E	48 19	
			i	NE	49 04	
23	12	IIIu	eiP	Z+SW	01 05 15	Ab 9400 km
			iPP	Z	08 40	USCGS: 38.2 N, 142.3 E h = ab. 68 km
			eiPPP	Z	10 44	Near east coast of Honshu Japan
			1	N	15 23	M = 7 - 7 1/4 (Pas) 6 3/4 - 7 (Pal)
			iIIS	NE	15 42	H = 00.52.47.0
			e(SS)	N	40 46	
			iSSS	N	25 28	
			eL	N	33,7	
			eiM	N	40,4	

N°	Date	Character	Phase		h. m. s.	Remarks
24	12	I	e	N	03 33 11	Slight traces
25	12	Iv	e	N	09 00 16	Traces
			e	N	01 31	
			e	N	01 55	
			e	N	02 18	
			e	N	02 35	
26	12	Iv	e	Z	12 46 27	Traces
			i	Z	46 31	
			i	N	46 37	
27	12	Iv	e	N	15 28 08	Traces
			e	E	29 19	
			i	ZN	30 14	
28	12	Iv	e	NE	19 44 56	Traces
			i	ZE	45 04	
			i	N	45 09	
29	13	I	e	Z	10 55 41	Slight trace
			e	E	58 19	
30	13	I	e	E	11 50 22	Slight trace
31	13	I	e	N	19 01 30	Slight trace
32	13	Iv	e	N	22 12 14	Traces
			e	NZ	14 08	
			e	N	14 41	
33	15	Iv	I	E	04 33 41	Traces
34	15	I	e	N	09 49 32	Traces
35	15	Iu	iP	Z+	18 17 45	Ab. 5900 km weak
			eS	NE	25 22	USCGS: Ascension Island region
			eM	E	37,6	2.7 S, 11.6 W h = ab. 25 km
						18.02,27.3
36	15	Iu	iP	Z-	18 54 39	Ab. 5900 km
			iS	N	19 02 12	USCGS: 2.9 S, 11.9 W h = ab.25 km
			eM	E	14,6	Ascension Island region
						H = 18.45.17.4
37	16	Iv	e	N	00 18 46	ab. 930 km
			iSn	N	19 05	BCIS: 39° 1 N, 20° 8 E
			i	Z	19 35	H = 00.15.25 South of Albania
			i(Sb)	E	19 38	USCGS: 38° 2 N, 20° 4 E
			iSgSgSg	E	20 08	h = ab. 25 km Jonian sea
			iQ	N	20 16	H = 00.15.15.7
			iM	N	20 52	

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N°	Date	Character	Phase		h. m. s.	Remarks
38	16	IVu	eP	Z	13 32 59	Traces
						USCGS: 30.6 N, 140,6 E h = ab. 176 km,
						South of Honshu, Japan H = 13.20.15.1
39	17	IIIv	iPn	Z+	10 04 52	450 km
			iSn	SW-NE	05 40	BCIS: 17° 22' E 42° 27' N
			il(SgSg)	Z	06 06	Adriatico sea H = 10.03.50
						USCGS: 42.3 N, 17.3 E
						h = ab. 25 km Adriatic sea
						H = 10.03.46.9
40	17	I(v)	e	N	10 43 46	Slight traces
41	17	Iv	(e)	N	11 18 33	Ab. 1050 km
			e(Sn)	N	19 19	molto debole
			e	Z	19 50	USCGS: 37.0 N, 18.5 E h = ab.25 km
			iQ	E	20 46	Jonian sea H = 11.15.17.1
			iM	ZN	21 22	
42	17	Iv	ePn	N	11 36 05	(930) km
			e	Z	36 19	BCIS: 39.° N, 18 1/4 E H = 11.34.0
			ePgPgPg	E	36 48	Jonian sea
			e	E	37 03	USCGS: 37.8 N, 19.9 E h = ab. 25 km
			eSn	N	37 42	Jonian Sea H = 11.33.51.0
			iSg	E	38 14	
43	17	Ir	e	N	14 58 19	Slight trace
			eSgSgSg	N	59 52	USCGS: 38.7 N, 21.6 E h = 25 km
						Near east coast of Grece H = 14.54.35.3
44	17	Iu	eiP	Z	22 44 15	5900 km
			iS	N	51 49	USCGS: 1.5 S, 14.9 W h = ab. 25 km
			eM	N	23 04 40	Mid Atlantic Ocean h = ab. 25 km
						H = 22.34.56.7
45	18	Iv	e	Z	10 47 19	ab. 1040 km
			i	N	48 52	USCGS: 38.1 N, 20.5 E
			eSgSg	E	49 54	h = 25 km H = 10.44.41.3
			iSgSgSg	N	49 58	
			i(Q)	E	50 13	
46	18	Iu	eP	Z	19 28 31	11000 km
			e	Z	31 53	USCGS: 10.0 S, 79.0 W h = ab. 39 km
			iISKS	E	38 53	Off coast of Perù Felt Casma Perù
			eM	E	20 06,5	M = 6 3/4 (Pas)

N°	Date	Character	Phase		h. m. s.	Remarks
47	19	Ir	e	Z	02 08 26	Ab. 980 km
			eSn	E	09 46	USCGS: 38.5 N, 20.5 E h = ab. 25 km
			e	E	10 22	Jonian sea H = 02.05.59.4
			iSgSg	N	10 47	
			iM	N	11 36	
			i	N	12 13	
48	19	Iv	ePn	Z	03 20 02	(950) km
			e	Z	20 20	
			e	E	21 29	
			i(SgSg)	N	22 37	
			i(M)	N	23 19	
49	19	Ir	eP	Z	12 00 36	Traces
			ePP	Z	01 24	38.6 N, 44.0 E Eastern Turkey
			eS	E	04 59	h = ab. 25 km H = 11.55.27.3
			eM	N	09,1	
50	19	IVu	eP'	Z	22 34 29	Slight trace 15.8 S, 168.0 E
						h = 213 km New Hebrides Islands
						Felt: Santo H = 22.15.20.9
51	19	Iu	iP	Z+	23 26 01	6550 km
			ePP	N	28 15	USCGS: 69.8 N, 138.6 E, h = ab. 0 km
			eL	E	44,5	Siberia H = 23.16.04.1
			eM	E	48,2	
52	20	IVu	iP	Z+SE	05 59 25	Ab. 8070 km
			i	Z	59 31	USCGS: 20.6 N, 72.2 W h = 25 km
			ePP	Z	06 02 16	Near north coast of Haiti. Minor
			iIS	EN	08 48	damage at Port an-Prince Felt
			i	EN	09 12	San Juan Puerto Rico M = 6½ - 6 3/4
			i	N	09 44	(Pas) 6 3/4 - 7 (Berk) H = 05.47.55.3
			iSPP	N	10 18	
			eL	N	21,2	
			iM	N	27,9	
53	20	I(u)	e	Z	06 26 49	Sligh trace
54	22	IVu	eP'	Z	02 29 21	Slight trace deep
						USCGS: 18.9 S, 169.5 E h = ab.288 km
						New Hebrides Island region
						H = 02.10.12.1
55	22	Iu	eP	Z	04 58 15	10000 km weak
			eSKS	E	05 08 43	USCGS: 15.5 N, 93.1 W h = ab. 69 km
			i	E	08 46	Near coast of Chiapas, Mexico
			ei(sSKS)	E	09 12	M = 5 1/4 - 5½ (Pal)
			eL	E	28,3	H = 04.45.20.3

N°	Date	Character	Phase		h. m. s.	Remarks
56	22	IVu	eP	Z	19 27 42	Slight trace ab. 9350 km
			epP	Z	28 25	h = ab. 180 km
						USCGS: 32.3N, 130.3 E h = ab. 185 km
						Near west coast of Kyushu, Japan
						H = 19.15.29.7
57	23	IIIu	eP	Z+	06 10 22	9050 km
			iI	Z+SW	10 26	USCGS: 42.9 N, 143.4 E h = ab. 25 km
			ePP	E	13 35	Hokkaido Japan May 7-7 1/4 (Pas)
			iIIS	N	20 33	7(Pal) H = 05.58.04.9
			iISP	N	21 15	
			iISPP	N	22 18	
			iSS	N	25 58	
			eSSS	E	29 34	
			eLQ	E	37,2	
			iLR	N	40,0	
			iMQ	N	42,9	
58	23	Iv	e	Z	07 25 44	Traces
			!	ZE	26 04	
59	23	I(v)	eP	EZ	19 58 35	Slight trace
			e	N	58 37	
			e	E	58 41	
60	24	IVu	eP	Z	16 19 13	Slight trace
						USCGS: 2.2 S, 76.1 W h = ab. 175 km
						Ecuador - Perú border H = 16.06.23.7
61	25	Iu	eP	Z	03 40 49	Slight trace
						USCGS: 54.0 N, 160.3 E h = ab. 29 km
						Kamchatka H = 03.28.56.1
62	25	IIv	ePn	Z	04 46 18	640 km
			ePb	Z	46 30	BCIS: 45°03' N 5°30'E Felt largerly in
			ePg	Z	46 40	Southeastern France and till the
			i	N	47 08	Switzerland Damage in Grenoble region
			i	NZ	47 20	Epicentral intensity 8-9
			iSn	N	47 23	H = 04.44.48
			i	NEZ	47 30	USCGS: 45.3 N, 5,2 E h = ab. 30 km
			iSb	Z	47 52	Southeastern H = 04.44.51.3
			iSg	ZN	48 03	
			iIM	N	48 38	

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N°	Date	Character	Phase		h. m. a.	Remarks
63	25	Iv	ePn	Z	06 24 40	1010 km
			e	N	25 16	USCGS: 38.1 N, 20.6 E h = ab. 25 km
			e	N	25 45	Jonian sea H = 06.22.28
			i	N	26 16	
			iSn	Z	26 25	
			i	E	26 49	
			I	E	27 (11)	
			iSgSg	N	27 30	
			iQ	NZ	27 46	
			iM	N	28 22.5	
64	25	Iu	eP	Z+	15 59 58	9700 km
			iS	N	10 19	USCGS: 38.4 N, 142.5 E h = ab. 56 km
			isS	N	10 37	Honshu, Japan H = 15.47.29.4
			i(SP)	N	11 31	
			eSSS	N	20 19	
			eL	E	30,7	
			eM	N	34,3	
65	25	I	eM	E	20 44,2	Traces
66	26	I(v)	e	N	05 58 21	Slight trace
67	26	I	e	Z	06 36 39	Slight trace
68	26	IVu	e(P'2)	Z	07 45 15	Traces USCGS: 17.8 S, 179.1 W h = ab.684km Fiji Islands H = 07.26.31.3
69	26	Iv	ePn	E	13 09 50	400 km
			e	E	09 56	
			eSn	N	10 33	
			iSb	N	10 45	
			iSg	E	10 51	
70	27	Iv	eSn	N	04 20 18	Very weak 640 km
			e	N	20 35	BCIS: 45° N, 55° E VERCORS FRANCE
			eSg	N	20 53	Aftershock of the seism of 25 april
			e	N	21 18	1962 at 04h 44m 48s H = 04.17.43
			eM	N	21 30	
71	28	IIIr	e	Z+	11 22 11	Ab. 1570 km
			i	Z	22 22	USCGS: 36.4 N, 26.6 E h = ab. 40 km
			eSn	E	24 49	Dodecannese Islands H = 11.18.57.4
			i	N	26 37	BCIS: 36°1 N, 27° 0 E M = 5 3/4
			i ISgSgSg	N	26 44	(Praha) North of Karphatos Islands
			iQ	E	27 02	(Egean Sea)

Nº	Date	Character	Phase		h. m. s.	Remarks
72	28	IIr	ePn	Z	12 46 59	Ab. 1570
			e	E	49 54	USCGS: 36.3. N, 26.7 E h = ab. 48 km
			iISgSgSg	N	51 33	Dodecannese Islands H = 12.43.49.1
						BCIS: Aftershock M = 5 3/4 (Praha)
						H = 12.43.44
73	28	Iv	e	E	21 00 22	Very weak
			e	E	01 11	
			e(Sn)	E	01 26	
			e(Sg)	N	02 07	
			e	E	02 44	
74	29	I(r)	e	N	09 28 56	Very weak
			e(Sn)	N	29 32	
			e	N	29 35	
			i	NE	30 51	
			i	N	31 15	
75	29	I(v)	e	E	16 59 08	Traces
76	29	I(r)	e	E	18 03 45	Very weak
			e	E	04 47	
			e	E	05 13	
			e	E	06 15	
			e	N	06 31	
			i	E	06 40	
			i	E	06 53	
77	30	IIu	eiP	Z+SW	02 38 51	9200 km
			eS	E	49 07	USCGS: 38.8 N 140.9 E H= ab. 104 km
			eSKKS	N	49 26	Honshu Japan
			iSP	NE	49 57	H = 02.26.30.0
			eSS	E	54 42	
			eSSS	E	58 21	
			eL	E	03 06 08	
			eM	E	12 13	
78	30	Iu	eP'1	Z	16 36 39	16700 km
			iP'2	Z	36 53	USCGS: 17.9 S, 176.1 W h = ab. 26 km
			e	N	39 12	Tonga Islands region H = 16.16.47.8
			[illegible]	N	42 10	
			[illegible]	N	17 00 31	
			[illegible]	E	05 24	
			eL	N	29,3	
			eM	N	40,3	

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N°	Date	Character	Phase		h. m. s.	Remarks
79	30	IVu	eP'1	Z	18 50 46	Very weak 16700 km h = ab. 130 km
			iP'2	N	50 51	USCGS: 18.0 S, 176.4 W h = ab. 135 km
			epP'1	N	51 13	Fiji Islands region H = 18.31.06,6
			epP'2	N	51 28	
80	30	Iu	eP	N	23 56 11	Weak
			e	N	56 46	BCIS: North Atlantic 73° 7 N, 7° E
			e	E	58 38	Northeastern of jan Mayen island
			eL	E	00 05,2	H = 23.50.20
						USCGS: 72.0 N, 7.2 E h = ab. 25 km
						Svalbard region H = 23.50.33.5

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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 S P E R I M E N T A L E
T R I E S T E

Viale Romolo Gessi, n. 4 - Italia

MICROSEISMIC MEASUREMENTS -

- April 1962 -

Constants of the Station

Instrument	Components	To	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 u	T sec
1	3	0.2	4.3	3	0.2	5.3	3	0.5	5.0	3	0.2	5.6
2	2	0.2	5.9	2	0.2	5.3	2	0.6	6.5	3	0.5	6.0
3	2	0.8	6.0	2	0.6	6.5	2	0.5	5.8	2	0.7	6.7
4	2	0.6	6.5	2	0.3	6.7	2	0.4	6.2	3 3	0.5 0.1	7.0 4.0
5	3 3	0.5 0.2	7.0 4.0	3 3	0.5 0.2	7.0 4.0	3 3	0.4 0.2	7.0 3.3	3 3	0.3 0.3	5.8 3.0
6	3 3	0.3 0.2	4.7 3.3	3	0.2	5.0	2	0.2	5.2	2	0.2	5.4
7	2	0.2	5.7	3	0.2	5.3	2	0.2	5.0	...		
8	2	0.1	5.0	...			2	0.2	6.7	2	0.3	7.3
9	2	0.2	6.0	...			2	0.2	5.8	3	0.2	5.2
10	3	0.3	5.4	3	0.2	6.2	3	0.2	6.0	3	0.2	5.2
11	3	0.2	6.0	3	0.1	5.5	2	0.1	5.0	2	0.1	5.0
12	2	0.1	4.5	2	0.1	4.0	2	0.1	4.4	2	6.1	4.0
13	2	0.1	5.0	2	0.1	5.0	2	0.1	5.3	2	0.1	5.3
14	2	0.1	6.2	2	0.1	5.0	2	0.1	3.0	3	0.1	3.0
15	3	0.1	3.0	3	0.1	4.4	3	0.1	5.0	3	0.1	4.7
16	3	0.1	5.6	3	0.1	5.0	2	0.1	5.0	2	0.1	5.0
17	3	0.1	5.0	3	0.1	5.0	...			...		

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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
18	2	0.2	4.7	2	0.2	4.3	2	0.2	5.0	2	0.1	5.0
19	2	0.1	5.0	...			0.0			0.0		
20	...			...			...			...		
21	2	0.1	4.7	2	0.1	4.7	0.0			2	0.1	4.7
22	2	0.1	5.0	2	0.1	5.3	2	0.1	5.3	2	0.1	5.3
23	2	0.1	5.0	2	0.1	5.0	2	0.1	6.0	2	0.1	5.5
24	2	0.1	6.3	2	0.1	6.0	2	0.1	5.0	2	0.1	5.0
25	2	0.1	5.0	2	0.1	5.0	...			...		
26	...			...			...			...		
27	2	0.1	5.0	0.0			0.0			0.0		
28	0.0			0.0			...			...		
29	0.0			0.0			0.0			0.0		
30	3	0.1	4.0	3	0.1	3.3	3	0.1	3.3	...		

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Osservatorio Geofisico Sperimentale
T R I E S T E

Bollettino Sismico Preliminare n. 9

1 - 15 Maggio 1962

1	I(v)	e: 11.57.54; i: 58.43; i: 59.26 debole
2	Iu	i(S): 09.20.19; i: 21.19 Tracce
2	I(v)	i(Sg): 17.51.29 Tracce
5	Iu	e(S): 11.35.04; eM: 59.7 molto debole
5	Iv	e: 22.32.17; e: 32.40; e: 33.29 debole
6	Iv	e: 03.57.13; i: 57.37 debole
6	Iv	e: 04.06.27; e: 07.26 debole
6	Iv	e: 06.44.48; e: 46.23; e: 47.24; i: 48.09 debole
6	Iu	ezP: 09.14.59; iz: 19.33; izPP: 19.40; ezPPP: 22.10; eSKKS: 26.10; iSP:29.1 i: 29.22; eSSS: 39.29; ei: 42.20; i: 47.59; eM: 20.01,3; 12500 km
6	Ir	e: 21.42.50; i(Sn): 44.20; i(SgSgSg): 45.49; i: 46.03 debole
6	Iv	e: 22,31.43; i(Sg): 33.02 debole
6	Iv	e: 23.19.36; e: 19.52; iSg: 20.00 Tracce
6	Iv	e: 23.40.10; e: 41.51 tracce
6	Iv	e: 23.59.17; ez: 59.20; e(Sn): 59.53; i!(Sg): 00.00.12 debole
7	IIIu	ez+P: 17.52.02; iz: 52.04; ez: 54.59; ezPPP: 57.03; iS: 18.02.05; i: 02.31; i: 03.13; i: 04.04; eSS: 07.59; eSSS: 10.37; eLQ: 20.06; iLR: 23.11; iMQ: 25.43; iMR: 29.45 9100 km ca
8	Iv	ez: 03.50.25; ez: 52.01; e: 52.41; e(Sg): 53.00 tracce
8	Iv	ez: 09.06.04 debole traccia
8	Ir	ezPn: 23.56.58; eSn: 59.20; e: 59.32; eSgSg: 00.00.47; iSgSgSg: 00.52; i!Q: 01.13; i!M: 01.45; 1380 km ca
9	I	ez: 13.21.39; ez: 21.53 tracce
9	I	ez: 16.14.37; i: 1518 tracce
9	I	ez: 19.49.04 debole traccia
10	Iu	ezP: 00.14.57; eS: 24.17 Tracce 8000 km
10	I	ez: 00.47.14; ez: 48.08; e(L): 01.58.30;
10	Iu	e(S): 05.34.52; e: 55.24 tracce

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10 IIv ez+Pn: 18.32.19; i: 32.37; iPgPg: 32.38; iSn: 33.18; i!Sb: 33.38; i!!Sg: 33.46; i!SgSg: 33.49; iM: 34.19; 550 km

11 IIv ePn: 01.06.07: ePg: 06.16; iSn: 06.38; iSg: 06.47; iM: 07.07 290 km

11 IIIu eP: 14.25.(01); iz: 25.11; i!zPP: 28.53; i!SKKS: 35.45: iSS: 42.10; iSSS: 46.10; iL: 55,8; eM: 59.6, 10.300 km

15 IIIu i: 05.43.09; i: 43.19; i: 50.49; i!!52.52 Coperto da microsismi

15 Iv e: 08.35.50; e: 36.17; i: 36.54; iSg: 36.58

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Osservatorio Geofisico Sperimentale

T R I E S T E

Bollettino Sismico Preliminare n.10

15 - 31 maggio 1962

16 Id ezPn: 10.51.39.5; ez: 51.43; iSg: 51.49; i: 51.53 debole 80 km

16 Iu ezPP: 14.51 54. debole tracoia USCGS: 73 S, 1281 E h = 34 km ca

Mare di Banda H = 14.35.29.6

I ez: 19.29.10; ez: 29.36; ez: 32.11 debole tracoia

17 I(d) e: 20.00.31; i: 00.36; i: 00.42 debole traccia

18 I es: 23.38.40 tracce

19 I(v) iz: 07.18.42; iz: 19.14 debole

(le componenti orizzontali non hanno registrato)

19 IIIu eiz.P: 15.11.28; izPP: 15.10; iPPP: 17.23; iSKS: 22.(05); i!SKKS:22.17; iS: 22.42; iPS: 23.37; iPPS: 24.42; eSS: 28.8; eSSS: 32.46; eLQ: 42,4; iLR: 46,3; iMQ: 49.6; iMR: 53,9 10.300 km

16 feriti e vasti danni a proprietà nel Messico centro meridionale

M = 7 - 7 1/4 (Pas) H = 14.58.13.3

19 Iv eP: 20.52(38); eSn: 53.50; iSgSg: 54.33 700 km

21 IIIu iz.P: 12.12.56; izPP: 15.11; izPPP: 16.34; i!S: 21.12; i!:21.22; i(SS); 24.35; i!(L) 30,3 i!!!N: 35.7; 6630 km

21 I eiz: 13.25.45; e: 41.09; i:53.21" tracce

21 Vu ezP: 21.34.40; iz: 34.48;izpP : 36.29; izPP: 38.23; izpPP: 39.57; izPPP: izPPP: 40.29; i!S: 44.53; isS: 47.53; i: 57.19 10.000 km ca h = 460 km ca

22 Iu (e)z: 08.25.42; izP': 08.25.52; eizpP': 26.23; iz: 26.39; izPP: 28.48; eizpPP: 29.15; iPKS: 29.27; ezPPP: 31.50; i: 35.27; e(sSS): 47.16; m eM: 09.16,5 15250 km h = 120 km ca

22 Iu ez(P'): 22.22.32; e: 34.39; e: 38.11; e: 45.50; eL: 23.04,6; eM: 14.4 molto debole

23 I ez: 12.43.20 tracce

24 Iv ez: 23.07.35; ez: 07.39; e: 07.42; i(Sg): 08.01 tracce

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25 Iu eM: 01.06,2 Tracce

25 I ez: 04.39.23; ez: 39.49 Tracce

26 Iv iz: 15.59.11 debole traccia

27 Iv (e): 20.21.40; e: 22.12,1 i: 22.15

28 Iv e: 21.52.36; e: 53.00; e: 53.05; e: 53.24 tracce

28 I(r) e: 23.00.47; e(SgSgSg): 03.09; i: 03.33; molto debole

29 I e: 00.20.25; tracce

29 Iv e: 01.30.30; e: 30.36; i: 30.47; i: 30.54; i: 31.05 tracce

29 Id ez: 19.00.10; i: 00.15; iSg: 00.19; tracesm

29 I(v) ez: 23.46.36; ez: 47.19; e: 47.40; i: 48(03); e: 48.56 molto debole

30 Iu iP: 10.11.17; ePP: 13.(03); iS: 18.08; eM: 28.8 5200 km molto debole

31 Iu ei(SKS): 51.47; e(S): 52.39; m i: 53.36; i: 54.24; i: 54.38;
eSS: 59.10; iSSS: 07.03.18; eL: 15,3, eM: 21.7 (La componente Z non ha registrato)

31 I(v) e: 07.27.41; e: 28.24 debole traccia

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OSSERVATORIO GEOFISICO - TRIESTE

Viale Romolo gessi, 4 - Italia

Seismological Bulletin

- June 1962 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	I	e	Z	07 20 29	Slight trace
2	2	I	e	E	18 00,4	Obscured by microseisms
			eM	N	02,6	USCGS: 29.8 N, 130.6 E h = ab. 15 km
						Kyushu, Japan H = 17.15.08,7
3	3	Iv	i	E	03 35 16	Obscured by microseisms
			i	E	35 27	
4	3	Iu	eiP	Z	15 11 40	Weak 5900 km
			eiS	EN	19 12	USCGS : 22.4 N, 45,2 W North Atlantic
			eL	N	27 44	Ocean h = ab. 25 km H = 15.02.25.5
5	4	Iv	ePn	Z	05 32 21	330 km
			ePb	N	32 25	BCIS: 45° N, 14°½ E H = 05.31.56
			ePg	N	32 32	Dalmazia coast Jugoslavia
			e	EN	32 35	H = 05.31.56
			eSb	Z	33 07	USCGS: 43°0 N, 15.8 E h = ab. 41 km
			eSg	E	33 09	Adriatic Sea H = 05.31.33.6
			eSg Sg	Z	33 16	
			i	E	33 21	
			i	E	33 24	
			iM	E	33 34	
			i	N	33 43	
6	6	Iu	eP	Z	18 03 06	Slight traces
						USCGS: 39.1 N, 123.1 W h = ab. 23 km
						California Felt: S. Francisco
						and Ukiah H = 17.50.08.6
7	9	I	e	Z	10 46 08	Traces
			e	N	47 19	
			e	Z	47 29	
8	11	Iv	e	E	03 03 07	Slight trace
			e	E	03 21	
			e	E	03 22	
			e	E	03 35	

AUG 1 3 1962

N°	Date	Character	Phase		h. m. s.	Remarks
9	11	IIIv	iPn	Z +	07 16 39	405 km Azimut 117° ca
			iPg	SW-NW	16 49	Felt II° at Trieste
			iSn	NW-SE	17 22	BCIS : 43° 6 N, 18° 3 E
			iSg	NW-SE SW-NE	17 42	H = 07.15.42 (determination by electronic calculating machine)
						STAMPA: Yugoslavia - Forcibly Felt in central Bosnia important damages (VIII) at Kalinovik damages at Sarajevo , Krasnica Zenica e Mostar
						USCGS: 43.5 N, 18.3 E hm ab. 21 km Yugoslavia 10 Injured extensive damage at Sarajevo Felt along Adriatic coast to Trieste
						M = 5- 5 1/4 (Pal) H = 07.15.37.6
10	11	Iv	e	E	07 43 47	Traces
			e	E	44 09	
			e	E	44 21	
			eSn	N	44 25	
			e(Sb)	E	44 37	
			iSg	N	44 41	
11	11	Iv	e	E	08 50 40	Slight trace
			e	N	50 48	
			e	Z	51 06	
12	11	Iv	e	E	08 52 31	Very weak
			i	E	52 37	
			i	E	52 40	
			i	ZE	53 15	
			e	Z	53 26	
			i	ZE	53 31	
			i	Z	53 40	
13	11	Iv	e	E	09 49 44	Slight trace
			e	Z	49 51	
			e	N	49 (57)	
14	12	Iv	e	E	13 57 04	Slight trace
15	12	Iv	e	EN	05 26 27	Sligh trace
16	12	Iv	e	N	07 21 59	Slight trace

N°	Date	Character	Phase		h. m. s.	Remarks
17	12	I(d)	e	N	15 47 28	Slight trace
			e	ZE	47 32	
			i	E	47 37	
18	13	Id	i	ZNE	15 22 51	Slight trace
19	14	Iu	eP	Z	08 03 51	ab. 8700 km
			e(SP)	N	14 46	USCGS: 54.3 N, 169.1 E Near
			e(SSS)	E	22 01	islands Auletian Island
			eM	E	37,1	M = 6 - 6 1/4 (Pas) 5 3/4 (Berk)
						h = ab. 34 km H = 07.5 51.0
20	14	Iu	eP	Z	08 07 51	ab. 8700 km
						USCGS: 54.2 N, 169.3 E h = ab. 56 km
						Near Islands Auletian Island
						M = 6 (Pas) H = 07.55.48.9
21	14	Iv	ePn	Z	15 08 19	250 km
			ePg	E	08 22	
			ePgPg	ZNE	08 29	
			iISn	NE	08 47	
22	14	Iu	(e)	Z	22 27 02	9550 km weak
			ePP	Z	30 15	USCGS: 26.4 N, 126.5 E Ryukyu Islands
			eS	E	37 20	h = ab. 22 km H = 22.14.10.9
			e(SSS)	E	46 17	
			eM	E	23 04,2	
23	15	Iv	ePn	Z	15 21 37	250 km
			ePg	Z	21 40	
			iSn	E	22 04	
			iSg	N	22 11	
			iSgSg	N	22 22	
			i(M)	Z	22 28	
24	15	Iv	e	N	20 37 39	Slight trace
25	16	Iv	e	E	18 00 33	Slight trace
			e	N	00 36	
			e	N	00 42	
			e	E	00 54	
			e(Sn)	EN	01 02	
26	17	Iv	e	Z	04 40 43	Traces
						USCGS: 40.1 S, 45.7 E h = ab. 15 km
						Indian Ocean, north of Crozet
						Islands H = 04.27.39.2

N°	Date	Character	Phase		h. m. s.	Remarks
27	17	i	e	E	14 05 48	Traces
			e	EZ	06 26	
28	19	iu	eiP'	Z	00 01 27	Traces
			e	Z	03 21	USCGS: 4.8 S, 151.8 E h = ab.47 km
						New Britain region M = 6 3/4 (Pas)
						H = 23.42.31.3
29	19	i	e	Z	08 40 23	Slight traces
			e	Z	40 26	
			e	Z	40 36	
30	21	iu	eP	Z	04 56 49	Slight trace
			eSKS	E	05 07 24	ab. 10.000 km
			eS	E	07 45	USCGS: 5.7 N, 82.6 W h = ab. 23 km
			eM	E	37,4	South of Panama M - 6 1/4 (Pas)
						6 1/4 (Berk) H = ab. 23 km
						H = 04.43.43.3
31	22	iu	eP	Z	12 01 52	Slight trace
						USCGS: 32.2. N, 142.4 E
						h = ab. 25 km off coast of Honshu
						Japan M = 11.48.55.3
32	22	i	e	Z	20 55 51	Slight trace
			e	E	56 03	
33	23	iu	eP	Z-	09 57 27	Ab. 9600 km
			e	Z	58 07	USCGS; 25.7 N, 128.5 E h = ab. 36 km
			ePP	Z	10 00 52	Ryukyu Islands M = 5 3/4 (Berk)
			eiISKS	NE	07 52	H = 09.44.37.7
			iS	N	08 07	
			iM	N	32,2	
34	23	iu	eP	Z+	10 11 12	Ab. 9600 km
			e	Z	11 22	USCGS: 121.4 E 19.1 N ab. 40 km Near
			e	Z	14 04	coast of Luzon Philippine Islands
			eSKS	NE	21 38	H = 09.58.26.0
35	23	i	e	Z	13 02 (01)	Slight trace
36	23	i	e	Z	13 07 04	Slight trace
37	24	iu	eP	Z	01 32 31	Ab. 7800 km
			ePP	Z	35 07	USCGS: 25.6 N 101.1 E h = ab. 35 km
			iS	NE	41 35	Junnan Province, China, H = 01.21.18.2
			i	N	42 48	
			eM	N	02 00,2	

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N°	Data	Character	Phase		h. m. s.	Remarks
38	24	I	e	Z	15 16 26	4900 km Slight traces
						USCGS: 12.5 N, 48.6 E h = ab. 47 km
						Gulf of Aden H = 15.08.15.5
39	25	IVu	eP'1	Z	01 50 21	Slight trace
			e(P'2)	Z	50 44	USCGS: 20.8 S, 179.2 W h = ab.645 km
						Fiji Islands region H = 01.31.41.9
40	25	I	eM	N	07 33,8	Slight traces
						37.3 S 73.5 W h = ab. 40 km
						Near coast of Chile H = 06.26.49.6
41	25	Iu	(e)P	Z	11 23 (00)	Ab. 9350 km
			i	Z	23 19	USCGS: 24.3 N, 122.6 E h = 33 km
			ePP	E	26 16	Off coast of Formosa M = (Pas)
			iS	E	33 19	5 3/4 (Berk) 5½ H = 11.10.23.3
			iSKKS	E	33 32	
			e(SS)	E	39 29	
			eL	N	53,0	
			eM	N	59.9	
42	25	Iv	i	Z	16 37 18	Slight trace
			e	Z	37 28	
			e(Sn)	ZN	37 35	
			i	E	53 52	
44	26	Iv	ePn	E	14 56 31	Ab. 760 km
			ePb	E	56 48	
			ePgPg	N	57 03	
			eSn	E	57 50	
			e	E	58 03	
			eSb	E	58 19	
			eSgSg	E	58 35	
			iSgSgSg	E	58 44	
45	26	I	e	N	20 22 28	Traces
			e	N	22 42	
46	27	Iv	ePn	E	08 39 11	(260) km Traces
			ePg	E	39 15	
			ePgPgPg	E	39 33	
			e(Sn)	EN	39 40	
			e	E	39 43	
			e(Sb)	E	39 46	

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N°	Date	Character	Phase		h. m. s.	Remarks
47	28	IIw	ePn	Z	05 52 48	725 km
			ePb	EN	53 03	BCIS: 40.8° N, 20° 9 E
			iPg	ZE	53 13	Albania, South of Ohrida Lake
			iSn	EN	54 04	SKOPJE: Felt: Ohrida Bitola Kiceno
			iSb	EN	54 33	and Skopje H = 06.51.05
			iISgSg	ZE	54 47	USCGS: 40.9 N, 20.8 E h = ab. 25 km
			iIISgSgSg	E	54 55	Near Greece - Albania border
			iIIM	E	55 26	H = 06.51.04.3
48	28	Iu	eP'	Z	19 08 38	Traces
			ePP	Z	08 47	USCGS: 0.2 S, 124.3 E h = ab. 58km
			i(SKS)	EN	15 05	Northern Celebes H = 18.50.27.5
49	28	IVu	eP'1	Z	21 06 52	Slight trace
			epP'1	Z	08 02	Ab. 16800 km ab. 260 km
						USCGS: 17.6 S, 175.2 W h = ab. 244 km
						Tonga Islands region H = 20.47.30.6
50	29	I	(e)	Z	10 26 44	Slight trace
51	29	Iu	i	Z	16 39 25	Traces ab. 8000 km
						USCGS: 62.3 N, 152.4 W h = 39 km
						Alaska M = 4 3/4 5 (Pal) H = 16.28.04.4
52	29	I	(e)	Z	19 49 38	Traces
			e	Z	50 09	
53	29	Ir	eS	E	22 46 49	Traces
			e	N	53 20	USCGS: 32.1 N, 48.4 E h = ab. 25 km
						Iran Felt: Schughstar and Masped
						Solyman H = 22.35.40.5
54	30	Iu	e(SKS)	E	19 53 20	Trace
			e	E	55 03	USCGS: 16.5 N, 122.0 E h = ab. 40 km
			eM	E	20 24,2	Near coast of Luzon, Philippine Islands
						H = 19.29.51.0

International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE

TRIESTE

Viale Romolo Gessi, n. 4 - Italia

MICROSEISMIC MEASUREMENTS

- JUNE 1962 -

Constants of the Station

Instrument	Components	T_0	V_0	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	2.55	2.295	2.15	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 u	T sec
1	2	0.1	4.2	2	0.1	4.0	0.0			1	0.2	3.3
2	1	0.2	3.3	1	0.2	3.3	3	0.2	2.0	...		
3	3	0.3	3.2	3	0.2	2.5	3	0.2	2.5	3	0.1	3.0
4	3	0.1	3.3	3	0.1	3.3	3	0.1	4.0	3	0.1	4.0
5	3	0.1	3.3	3	0.1	3.0	3	0.1	3.0	3	0.1	3.0
6	3	0.2	4.0	3	0.2	3.5	3	0.1	3.5	3	0.1	3.7
7	3	0.1	3.5	...			3	0.1	3.0	1	0.1	2.0
8	1	0.1	2.5	3	0.1	4.0	3	0.1	4.0	3	0.1	3.7
9	0.0			0.0			3	0.1	3.7	3	0.1	3.5
10	...			...			0.0			1	0.2	1.7
11	2	0.1	4.0	2	0.1	4.0	0.0			0.0		
12	0.0			0.0			0.0			0.0		
13	0.0			0.0			0.0			0.0		
14				0.0			2	0.1	5.3	2	0.1	5.0
15	2	0.2	5.0	2	0.2	5.5	2	0.1	5.3	2	0.1	5.0
16	2	0.1	5.3	2	0.1	5.0	0.0			2	0.2	5.5
17	2	0.1	4.7	2	0.1	4.7	2	0.1	4.5	2	0.1	4.3
18	2	0.1	4.0	2	0.1	4.0	2	0.1	4.3	2	0.1	4.3
19	2	0.2	5.0	2	0.2	5.0	2	0.2	5.3	2	0.2	5.0
20	2	0.2	5.0	2	0.2	5.0	2	0.2	5.0	2	0.1	4.3
21	2	0.1	4.3	2	0.1	4.3	...			...		
22	...			2	0.1	4.5	2	0.1	4.5	2	0.2	4.7
23	2	0.2	5.0	2	0.1	5.0	2	0.1	4.8	2	0.2	4.7
24	2	0.2	4.7	2	0.2	5.0	2	0.2	4.5	2	0.2	4.7
25	2	0.2	5.0	2	0.1	4.5	...			2	0.1	4.7
26	3	0.1	4.7	3	0.1	4.7	3	0.1	4.7	3	0.1	4.5
27	2	0.1	4.5	0.0			0.0			0.0		
28	1	0.3	2.7	1	0.1	2.7	0.0			0.0		
29	0.0			0.0			0.0			0.0		
30	1	0.1	2.0	1	0.1	2.0	1	0.1	2.0	1	0.1	2.0

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OSSERVATORIO GEOFISICO SPERIMENTALE

Viale Romolo Gessi, n. 4 - I T A L I A

Seismological Bulletin

- July 1962 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	I	e	N	14 50 05	Traces
2	1	Iv	i	EZ	20 41 09	Traces
			i	EN	41 12	
			i	E	41 15	
			i	E	41 17	
			i	Z	41 20	
3	1	I	e	Z	21 32 02	Traces USCGS: 40.0 N, 75.4 E h = ab.25 km Sinkiang Provincie China, H = 21.23.41.7
4	2	I	eP'	E	08 51 (56)	Traces 15.200 km h = ab. 50 km
			e	E	55 24	USCGS: 10.3 S, 165.9 E
			iSKP	EN	55 30	h = ab. 50 km Santa Cruz Island
			isSKP	E	55 58	M = 6 1/4 (Berkeley) H = 08.32.37.9
5	3	Iu	eP'1	Z	18 33 43	Slight trace ab. 17.800 km
			eP'2	Z	34 28	USCGS: 56.3 S, 142.5 W
			ePP	N	38 06	h = ab. 25 km, about 600 miles
			e(M)	N	19 50,0	west of Macquarie Island H = 18.13.35.6
6	4	Iv	e	E	14 20 55	
			e	E	21 04	
			e	E	21 13	
			i(Sn)	EN	21 55	
			e	E	22 21	
			i	E	22 29	
			i	E	22 31	
			i	N	22 39	
			i	E	22 45	
7	5	Iu	eM	EN	18 30,6	Traces USCGS: 30.9 N, 141.4 E h = ab. 23 km South of Honshu Japan H = 17.40.55.3

SEP 1 0 1962

International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
8	6	Iu	eP	Z	02 21 09	5450 km USCGS: 13.3 N, 58.0 E h = ab. 30 km
			e(PP)	E	23 13	Arabian Sea east of Socatra
			iS	N	28 17	H = 02.12.19.9
			iSP	E	28 30	
			e	N	30 58	
			eSS	E	32 09	
			eL	N	35,2	
			eM	N	41,2	
9	6	IIIr	(e)Pn	Z	09 18 26	Ab 1000 km
			i	Z	18 30	USCGS: 38.0 N, 20.2 E h = ab. 30 km
			i	E	20 04	Jonian Sea M = 5 (Pal.) H = 09.16.15.0
			iSn	Z	20 09	BCIS: Jonian Sea off coast of Cefalonia
			iil	E	20 22	38° N, 20° 1/4 E H = 09.16.19
			il(Q)	SW-NE	21 36	
			i	SW-NE	22 31	
10	6	Ir	e	Z	09 33 26	Traces
11	6	Ir	e	Z	09 41 10	Traces
12	6	Ir	e	Z	13 31 28	Traces
13	6	Ir	(e)	E	14 22 23	Traces
			e	Z	23 43	
			i	Z	25 34	
14	6	Ir	eSn	N	15 58 24	ab. 1050 km
			iSgSgSg	E	59 38	USCGS: 37.2 N, 19.4 E h = ab. 25 km
			iM	Z	16 00 28	Jonian Sea H = 15.54.20.5
15	6	Ir	e	Z	16 11 28	Traces
16	6	I	e	Z	16 47 12	Slight trace
17	6	Iv	(e)	Z	17 03 20	Weak
			e	E	03 48	
			e	E	04 15	
			e(Sn)	N	04 38	
			e	E	05 07	
			i	E	05 31	
			iM	N	06 07	

N°	Date	Character	Phase		h. m. s.	Remarks
18	6	IIIr	iIP	Z+SW	23 13 13	4800 km h = 180 km Az 82° ea
			ipPP	Z	13 (59)	USCGS: 36.6 N, 70.4 E
			iPP	Z	14 53	h = ab. 203 km Hindu Kush, Felt:
			IIIIS	E	19 28	Afghanistan, Pakistan Tadzhik SSR
			IIIIsS	E	20 43	Minor damage H = 23.05.32,2
			iIIISS	N	22 41	
			iIL	N	25 52	
			iM	E	28 57	
19	7	Iu	eiP	Z	06 25 08	Weak
			e(S)	N	35 27	USCGS: 51.3 N, 178.6 E h = ab. 60 km
			eM	E	07 02,9	Rat Islands, Auletian Islands
						H = 06.12.48.9
20	7	I(v)	e	Z	12 25 40	Slight trace
			e	N	26 44	
			e	E	27 02	
21	7	Ir	ePgPg	Z	12 51 05	1070 km weak
			eSN	E	51 36	USCGS: 36.8 N, 18.5 E h = ab. 25 km
			e(Q)	E	52 25	Jonian Sea H = 12.51.05
			iM	N	53 10	
22	7	I	e	Z	23 14 25	Trace
			e	E	15 15	
			e	Z	15 56	
23	8	Id	(e)Pg	Z	01 28 12	(50)km weak
			i	EZ	28 16	
			iSg	Z	28 18	
24	8	Iu	eP	Z	07 40 44	Traces
						USCGS: 8.1 N, 38.0 W h = ab. 25 km
						Mid Atlantic Ocean H = 07.30.49.7
25	8	Id	I	E	10 44 38	Slight traces
26	9	I	e	E	04 50 06	Traces
			e	E	51 07	
			e	E	52 09	
27	9	I	e	Z	16 47 45	Slight trace
			i	Z	48 (58)	

N°	Date	Character	Phase		h. m. s.	Remarks
28	9	Iv	eP	Z	17 40 37	ab. 900 km
			ePgPg	Z	41 13	
			eSn	Z	42 10	
			eSgSg	E	43 05	
			eSgSgSg	E	43 14	
29	9	Iv	(e)Pn	Z	18 03 35	debele ab (900) km
			e(PgPgPg)	E	04 16	
			e	E	05 20	
			e(SgSg)	E	06 06	
			e(Q)	E	06 19	
30	10	IVu	eP'1	Z	05 30 53	Slight trace ab. 17.000 km
			e(P'2)	Z	31 14	USCGS: 20.8 S 178.7 W
						h = ab. 584 km Fiji Islands
						H = 05.12.06.4
31	10	Ir	ePn	Z	10 08 46	ab. 1270 km
			i(Q)	ZE	12 33	USCGS: 38.4 N, 25.9 E
			i	E	13 18	h = ab. 25 km Aegean Sea
			i	E	13 37	H = 10.06.02.9
32	11	Iu	eP	Z	01 12 (03)	Traces ab. 4800 km
			eM	E	28,9	USCGS: 31.8 N 66.9 E
						h = ab. 25 km Afghanistan
						H = 01.03.59.3
33	11	Iv	e	N	11 50 57	Slight traces
			e	E	51 11	
			e	Z	51 17	
34	11	Iu	eP	Z	12 53 52	ab. 10600 km - trace
			ePP	Z	57 42	USCGS: Panay, Philippine Islands
			eSKKS	E	13 04 47	H = 12.40.30.7 11.9 N, 122.1 E
			eS	E	05 10	h = ab. 25 km
			eSP	E	06 23	
			eL	E	27,7	
			eM	E	31,5	
35	12	Iv	e	EN	02 15 25	Traces
			e	ZE	16 27	
			e(Sg)	E	16 25	
			e	N	16 44	
36	12	I(d)	i	N	12 56 05	Slight trace

N°	Date	Character	Phase		h. m. s.	Remarks
37	13	IVu	ePP	E	03 49 14	Traces
			eSKKS	E	55 49	USCGS: 10.2 N, 121.7 E h = ab.13? km
			eS	E	56 12	Panay, Philippine Islands
			e	E	56 35	Felt: Dipolong, Roxas City, Mello Cuya
			eiSPP	E	58 16	Palawan H = 03.32.12.6
			eM	N	04 25,5	
38	14	Iu	eP	Z	16 08 06	Slight trace
						USCGS: 30.4 N, 79.5 E h = ab. 40 km
						Tibet India Border H = 15.58.53.7
39	14	IVu	eP	Z	20 50 01	Slight trace
						USCGS: 50.2 N, 155.8 E h = ab. 60 km
						Kurile Islands H = 20.38.03
40	15	IVu	IP	Z	06 59 35	Weak h = ab. 100 km
			epP	Z	07 00 04	USCGS: 39.8 N, 140.9 E h = ab. 103 km
			ePP	Z	02 52	Honshu Japan H = 06.47.22.5
			eIS	E	09 44	
			eIsS	E	10 31	
41	16	I(r)	e	E	07 06 09	
			e(Sn)	E	07 43	
			e	E	08 56	
42	17	Iu	ePP	Z	05 52 14	Weak ab. 13150 km
			e	E	52 20	USCGS: 43.0 S, 74.9 W h = ab. 26 km
			eM	E	06 39,3	Near coast of Chile H = 05.32.08.8
43	17	Iu	(e)P	Z	17 32 34	Weak h = (40) km
			eS	N	42 44	USCGS: 43.1 N, 144.5 E h = ab. 30 km
			I(sS)	E	43 02	Hokkaido Giappone H = 17.20.22.9
			eM	N	18 06,5	
44	21	Iv	(e)Sn)	Z	08 18 01	Slight trace
			e(Sg)	ZE	18 25	
			e	Z	18 33	
45	21	Ir	e	Z	17 36 39	Slight trace
						USCGS: 37.0 N, 71.9 E h = ab. 38 km
						Hindu Kush region H = 17.28.34.7
46	22	Iv	e	Z	13 59 10	Traces
			e	E	59 34	
			i(Sg)	E	59 56	
			e	Z	14 00 01	

N°	Date	Character	Phase		h. m. s.	Remarks
47	24	Id	iPg	E	16 19 55	(18) km Slight trace
			iSg	E	19 57	
48	24	Iu	e(PP)	Z	16 39 58.5	Traces
						USCGS: 10.3 N, 121.5 E h = ab. 21 km
						Sulu Sea H = 16.23.10.8
49	24	IVu	e	Z	21 21 37	Very weak ab. 10.000 km h = ab 130 km
			e	Z	21 41	USCGS: 15.5 N 92.5 W h = ab. 129 km
			e	Z	21 52	Mexico - Guatemala border region
			e	Z	22 10	M = 5.6 (Berkeley) 5½ (Pal.)
			ePP	E	24 35	H = 21.08.22.6
			eSKKS	E	31 37	
			eS	EN	31 54	
			esSKKS	N	32 42	
			e	EN	33 21	
50	25	Iu	eP	Z	04 49 57	ab. 9000 km
			I	Z	50 06	USCGS; 18.9 N, 81.1 W h = ab.64 km
			IS	E	05 00 04	West of Jamaica M = 6 (Pas)
			I(SP)	E	00 44	5½ (Berkeley) 6 (Pal) H = 04.37.50.7
			ISPP	E	01 41	
			eL	E	16,1	
			eM	E	21,6	
51	26	Iu	eP	Z	04 35 28	Slight trace
						USCGS: 47.1 N, 153.9 E h = ab. 35 km
						Kurill Islands H = 0,4.23.11.9
52	26	IIIu	IP	Z-	08 27 41	ab, 9900 km az. 285°
			IPP	Z	31 11	USCGS: 7.5 N, 82.7 W h = ab. 21 km
			IIISKS	E	38 18	South of Panama Felt: Balboa Heights
			IIIS	N	38 32	M = 6 3/4 (Pas) 7 (BRK) H = 08.14.41.8
			ILQ	N	52,2	
			ILR	N	55,5	
			IMQ	N	58,7	
			IMR	N	09 02,5	
53	26	Iv	e	N	17 59 47	Slight trace
			e(Sg)	E	18 00 34	
54	26	Iv	ePn	ZE	22 36 29	Traces (740) km
			e(Sn)	N	37 44	
			eSgSg	N	38 28	
			I(SgSgSg)	E	38 39	
			eQ	Z	38 42	

N°	Date	Character	Phase		h. m. s.	Remarks
55	27	Iv	e	Z	13 35 08	Traces
			e	N	35 18	
			e	ZN	35 23	
			ISg	ZE	35 25	
56	27	Iv	ePn	Z	20 24 38	(425 km)
			ePg	E	24 48	
			ePgPgPg	E	25 01	
			e	E	25 15	
			I(Sn)	E	25 22	
			ISb	ZE	25 37	
			I(Sg)	Z	25 44	
			ISgSg)	E	25 47	
			IQ	E	25 53	
57	27	Iv	e	E	23 00 26	Slight trace
			e	E	00 43	
58	28	Iu	eP'1	ZN _	00 24 (58)	ab. 16.600 km h = ab. 40 km
			IIP'2	ZN	25 (04)	USCGS: 16.2 S, 173.2 W h = ab. 40 km
			I	E	25 11	Samoa Islands region Felt: Apia
			IIpP'1	Z	25 14	H = 00.05.10.8
			IpP'2	N	25 21	
			I	E	25 32	
			eL	N	01 20,5	
			eM	N	26,6	
59	28	Ir	(e)	Z	12 19 53	Very weak
			e	E	21 29	
			e	E	21 45	
			e	Z	22 13	
			e	E	22 24	
			e	Z	23 13	
			e	E	23 19	
60	30	IIu	eP'	Z	17 35 39	ab. 13250 km
			ePP	Z	36 59	USCGS: 3,3 S, 143.9 E h = ab. 25 km
			Iz	Z	37 17	Near north coast of New Guinea
			IPPP	N	39 33	Felt M = 6 3/4 - 7 (Pas.) 7 (Berkeley)
			IISKS	E	42 41	7 (Pal) H = 17.16.44.4
			ISKKS	E	43 40	
			IS	N	44 56	
			ISS	E	53 32	
			eISSS	E	57 36	
			eL	N	18 13,4	
			eM	E	23,8	

N°	Date	Character	Phase		h. m. s.	Remarks
61	30	IIIu	IIP	Z+	20 31 31	9550 km
			IPP	E	34 52	USCGS: 5,0 N, 76,3 W h = ab. 45 km
			I	E	35 27	Western Colombia 47 Killed, 300
			I	E	41 23	injured in Caldas Province, property
			IIIS	EN	41 50	damage over 400.000 square mile area
			ISP	N	42 47	Felt at Balboa Hights C Z
			ISPP	N	43 41	M = 6 3/4 (Pasadena) 6 3/4 (Berkeley)
			IIISS	N	47 42	6 (Pal) H = 20.18.49.3
			ISSS	E	51 06	
			II(LQ)	N	54 10	
			eL	E	59,3	
			eM	N	21 05,1	
62	31	Iv	e(Sn)	N	01 30 14	ab. (1250) km weak
			e	E	31 11	USCGS: 36.5 N, 22,7 E h = ab. 109 km
			eSgSg	E	31 45	Near south coast of Greca
			eQ	E	32 07	Traces
			I	EN	32 31	
			eIM	E	32 45	
63	31	Iu	I(SKS)	E	05 36 19	
			I(S)	E	36 34	
			eM	N	06 01,2	
64	31	I(d)	I	E	23 03 35	Slight trace
			I(Sg)	E	03 39	

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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 S P E R I M E N T A L E

T R I E S T E

Viale Romolo Gessi, n. 4 - ITALIA

MICROSEISMIC MEASUREMENTS

- JULY 1962 -

Constants of the Stations

Instruments	Components	T_0	V_0	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	2.55	2.295	2.15	Foto

Component E - W

Hours	0h			6h			12h			19h		
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			0.0			0.0		
2	0.0			0.0			2	0.1	5.0	2	0.1	5.0
3	2	0.1	4.7	2	0.1	5.5	2	0.1	5.6	2	0.1	5.0
4	3	0.2	2.4	3	0.2	2.4	3	0.2	2.8	2	0.3	2.5
5	3	0.2	3.3	3	0.2	3.3	3	0.2	3.2	2	0.2	4.0
6	2	0.2	4.0	2	0.2	4.0	2	0.1	3.0	0.0		
7	...			0..			0..			0..		
8	0..			0..			0..			0..		
9	0..			0..			0..			0..		
10	0..			0.0			0.0			0..		
11	0.0			0.0			0.0			0.0		
12	0.0			0.0			0.0			0.0		
13	0.0			1	0.2	2.0	1	0.2	2.0	0.0		
14	0.0			1	0.2	2.0	2	0.1	4.0	2	0.1	4.0
15	2	0.1	5.0	2	0.1	5.0	2	0.1	4.7	2	0.1	4.7
16	1	0.2	2.2	1	0.1	2.0	0.0			2	0.1	4.5
17	3	0.1	2.2	...			3	0.1	2.0	3	0.1	2.0
18	3	0.1	4.0	3	0.1	3.7	3	0.1	3.0	3	0.1	3.5
19	3	0.1	4.0	3	0.2	4.7	3	0.2	5.0	3	0.2	5.3
20	2	0.3	5.0	2	6.3	5.0	2	0.2	4.7	2	0.2	5.0
21	2	0.2	5.3	2	0.2	4.7	2	0.2	4.7	2	0.2	5.0
22	2	0.1	4.7	2	0.1	4.7	2	0.1	4.5	2	0.1	4.3
23	2	0.1	4.0	2	0.1	4.0	0.0			0.0		
24	3	0.1	2.0	3	0.1	2.0	0.0			0.0		
25	0.0			...			0.0			0.0		
26	0.0			0.0			0.0			0.0		
27	2	0.1	3.7	2	0.1	3.7	0.0			0.0		
28	0.0			0.0			0.0			0.0		
29	0.0			...			...			...		
30	...			...			3	0.1	2.0	...		
31	3	0.1	2.0	...			0.0			3	0.1	4.0

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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 S P E R I M E N T A L E

Viale Romolo Gessi, n. 4 - I T A L I A

Seismological Bulletin

- August 1962 -

Nº	Date	Character	Phase		h. m. s.	Remarks
1	1	Iu	iP'	Z	04 55 50	13250 km
			iPP	E	57 10	USCGS: 3,2 S, 143.7 E h = ab.30 km
			eSKKS	N	05 03 35	Near north coast of New Guinea.
			eSS	N	13 31	Felt M = 6½ - 6 3/4 (Pas) 7 (Berk)
			e(M)	E	37,8	6½ (Pal) H = 04.36.57.6
2	1	Iu	eP	Z	15 57 54	Sligh trace
						USCGS: 39.1 N, 98.6 E h = ab. 25 km
						Kansu Province, China H = 15.47.45.5
3	2	I	e	Z	15 40 48	Slight trace
						USCGS: 33.4 N, 73.5 E h = ab.33 km
						West Pakistan Felt Rawalpind
						H = 15.32.20.9
4	3	IVu	eP	Z	09 09 55	Ab. 11.150 km h = ab. 150 km
			iPP	E	14 (02)	USCGS: 23.2 S, 67.5 W h = ab. 71 km
			e1PPP	Z	16 19	Northern Chile Argentina Border
			epPPP	Z	16 47	Felt: M = 7 7 1/4 (Pas) 6,8 (Berk)
			iiiSKS	E	20 22	H = 08.56.12.1
			iii(eSKS)	E	21 23	
			iSPP	E	23 37	
			iSS	E	28 21	
			e	E	38 (01)	
			eM	E	51,6	
5	3	I	e	Z	10 36 17	Slight traces
			e	Z	36 32	16750 km
						USCGS: 23.3 S, 171.2 E h = ab. 39 km
						Loyalty Islands region H = 10.16.28.7
6	3	Ir	eP	Z	11 12 (02)	ab. 4750 km
			eS	E	18 23	USCGS: 40.9 N, 73.3 E h = ab. 25 km
			eSS	E	21 53	Kirghiz, S,S R
			eM	E	28 51	H = 11.04.03.6
7	4	I	e	Z	03 02 51	Slight traces
						USCGS: 14½ N, 93.0 W h = ab. 30 km
						Near coast of Guatemala M = 4½
						(Berk) H = 02.49.44.7

OCT 2 9 1962

International Seismological Centre

Nº	Date	Chatacter	Phase		h. m. s.	Remarks
8	4	Iv	e	E	17 16 23	Weak
			e	E	16 42	
			e	E	17 (01)	
			e	E	17 05	
			i (Sg)	EN	17 10	
			i	EZ	17 16	
9	5	Ir	(e)P	Z	09 15 28	Nuclear blast
			(e)	Z	15 50	USCGS: 74.2 N, 52.5 E h = ab.0 km
			e	E	22 09	Novaya Zemnlja 30 MT
			e	E	23 07	H = 09.08.45.8
			e	E	26 05	
			e	E	27 03	
			eM	EN	27 13	
			i	E	30 39	
			i	N	32 16	
10	6	Ir	eiP	ZE	01 43 37	ab. 4950 km
			i	Z	43 50	USCGS: 32.0 N, 40,8 W h = ab,48 km
			e	Z	44 09	North Atlantic Ocean M = 6 1/4 (Pas)
			eiS	EN	50 11	5½ (Pal) H = 01.35.30.5
			eiSS	N	53 26	
			eL	N	58 31	
			eM	N	02 00,0	
11	6	Iv	ePg	ZE	04 25 44	490 km
			eSn	N	26 21	BCIS: 46°3 N, 7° 5 E H = 04.24.20,5
			eSb	E	26 38	Valais, Switzerland
			iSg	Z	26 45	
12	6	Iu	(e)	E	21 14 10	Slight trace
			e(L)	E	11 17,9	Z not recording
13	7	I(d)	i	N	16 27 26	Slight trace
			iSg	E	27 28	Z not recording
14	7	Iv	i	N	23 38 26	Traces Z not recording
15	8	I	e	E	19 54 (59)	Slight trace
16	10	Ir	eiP	ZE	21 09 51	3200 km
			ePP	E	10 47	USCGS: 49,9 N, 27,9 W H = 21.03.59.2
			iS	N	14 39	h = ab. 33 km North Atlantic Ocean
			eL	N	17,6	Mag = 4½ (Pal)
17	11	IWu	(e)P'1	Z	02 06 19	Tracce h = ab. 620 km
			epP'1	Z	06 49	USCGS: 20,0 S 178,8 W h = ab. 638 km
			i(P'2)	Z	06 41	Fiji Islands H = 01.47.39.6
			e	EN	16 06	

N°	Date	Character	Phase		h. m. s.	Remarks
18	11	IVu	IP	Z -	08 28 05	9450 km h = ab. 140 km
			IpP	E	28 40	USCGS: 25.2 N, 123.3 E h = ab.140 km
			IPP	Z	31 24	Off NE coast of Formosa M = 6 (Pas)
			ePPP	Z	33 21	5.5½ (Pal) H = 08.15.43.7
			epPPP	E	33 49	
			eISKS	E	38 12	
			IIIS	EN	38 23	
			eISP	EN	39 14	
			IsS	E	39 23	
			IsSP	EN	40 20	
			eL	E	55,4	
			eM	E	09 01,8	
19	13	Iu	eiP	Z+	05 49 15	Ab.10400 km
			e	Z	50 01	USCGS: 2.1. N, 83.5 W h = ab.33 km
			ePP	Z	53 05	About 3000 miles N, west of Ecuador
			ISKS	E	59 51	M = 6½ - 6 3/4 (Pas), 5,4 (Berk)
			IS	E	07 00 30	5½ - 5 3/4 (Pal) H = 06.35.56.0
			ISP	E	01 33	
			ISPP	E	02 18	
20	13	Iv	I	N	20 02 47	Traces Z not recording
			I	E	02 54	BCIS: 46°7 N, 13°0E H = 20.02.33
			ISg	E	02 56	Carnian Alps VIENNA: Felt: High vally of Gail
21	15	Iu	eP	Z	13 17 15	Slight trace 5250 km
			eS	E	24 10	USCGS: 14.5 N, 55.3 E h = ab.33 km
						Socotra Island region H = 13.08.42.0
22	17	Iu	eP'1	Z	00 32 16	Traces
						USCGS: 15.8 S, 172.9 W h = ab.33 km
						Samoa Islands region H = 00.32.26.9
23	17	Iu	eP	Z	05 17 32	10500 km
			ePP	Z	21 35	USCGS: 10.6 N 121.6 E h = ab. 33 km
			ePPP	Z	23 44	Panay region Philipine Islands
			e(SKS)	E	28 32	H = 05.04.31.5
			eS	N	29 05	
			eISP	N	30 23	
			eL	NE	52,3	
			eM	E	58,3	
24	17	Iu	eP	Z	23 15 47	Slight trace
						USCGS: 15,4 S, 172,7 W h = ab. 33 km
						Samoa Island region H = 22.55.55.4
25	18	Iv	e	E	09 15 46	Slight trace
			e	E	15 55	
			e	E	16 15	

N°	Date	Character	Phase		h. m. s.	Remarks
26	18	Iu	eP	Z	16 55 15	Slight trace
						USCGS: 62.3 N, 152.5 W h = ab. 32 km
						Central Alaska, Felt M = 6 - 6 1/4
						(Pas) 5 1/4 - 5½ (Pal) M = 16.43.54.3
27	18	Iu	eP	Z	17 57 37	Slight trace 7950 km
			ePP	Z	18 00 21	USCGS: 62.3 N, 152.5 W h = ab.32 km
						Central Alaska M = 6 -6 1/4 (Pas)
						5 1/4 - 5½ (Pal) H = 17.46.14.9
28	19	Iv	e(Sn)	E	00 55 07	Slight trace
			e(Sg)	E	55 24	
29	19	I(v)	i	E	06 27 11	Slight trace
			e	Z	27 13	
			i	E	27 16	
30	19	IIr	iP	Z◆	18 35 04	Ab.5150 km
			ipP	Z	35 15	h = ab. 30 km
			i	Z	37 09	USCGS: 44.6 N, 81.7 E h = ab. 33 km
			iS	N	41 50	Northwest Sinkiang Province
			eSS	N	45 30	M = 5 3/4 - 6 (Pal) H = 18.26.38.6
			eL	E	48,7	
			eM	N	52,3	
31	20	Ir	L	E	09 17 27	Nuclear blast
			eM	E	20 30	BCIS: Nuclear blast in Novaja Zemlja
						10 MT H = 09.02.14
						USCGS: 74.4 N, 51.2 E h = 0 km
						Novaja Zemlja H = 09.02.14.5
32	20	Iv	e	N	20 12 54	Ab (300) km Slight trace
			e	E	13 07	
			e(Sn)	E	13 17	
			e(Sg)	E	13 29	
			i	E	13 36	
			i	E	13 47	
33	20	Iv	e	E	21 30 39	Slight trace
			e	E	30 46	
			e(Sg)	E	31 02	
34	21	Iv	ePn	Z	15 56 47	550 km weak
			eSn	E	57 44	
			e	E	58 11	
			i	E	58 21	
			i	E	58 28	
			i	E	58 40	

N°	Date	Character	Phase		h. m. s.	Remarks
35	21	IIIv	ePn	Z	18 09 16	560 km
			iSn	N	10 15	
			iSb	SW-NE	10 33	
			iSgSg	SW-NE	10 47	
			iM	SW-NE	11 16	
36	21	IIIv	iPn	Z	18 20 40	540 km
			iPgPg	SW-NE	21 01	BCIS: 41°.0 N, 14°6 E H = 18.19.25
			i	SW-NE	21 29	M = 6,3 Colle 6 Ateno
			iSg	NW-SE	22 05	Presa South Italy Campania
			iQ	SW-NE	22 16	Forcibly felt, IX at Ariano Irpino, Molinare, Paduli, Montecalvo, Mirabella, e Ciano, Bonito Savignano 15 dead 200 injured numerous building and arts works destroyed USCGS: 41.5 N, 15.4 E h = ab. 36 km Italy H = 18.19.33,3 Italy about 15 dead, 200 injured major property damage at Naples
37	21	IIIv	ePn	Z	18 46 04	540 km
			iPgPg	Z	46 25	BCIS: The mean aftershock
			eSn	NW-SE	47 02	H = 18.44.51 41° 1 N 14° 8 E
			i	NW-SE	47 08	USCGS: 41.2 N, 15.2 E h = ab. 31 km
			iSg	NW-SE	47 31	Italy H = 18.44.56,4
38	21	Iv	ePg	Z	20 09 41	550 km
			ePgPg	Z	09 45	
			eSn	E	10 22	
			iSg	Z	10 54	
			iQ	E	11 00	
39	21	Iu	eP'2	Z	21 27 07	Ab.18.000 km
			e(SKP)	Z	29 49	USCGS: 28.7 S, 176.8 W h = ab. 55 km
			ePP	E	30 32	Kermadec Island region
			eSKKS	E	36 31	H = 21.06.00.1
			eSSP	E	52 11	
			eL	E	22 17 10	
40	22	Iv	e	E	00 38 04	Slight trace
41	22	Ir	eM	E	09 19 15	Nuclear Blast
			e	E	20 53	BCIS Nuclear Blast in Novaya Zemlya 7 MT H = 09.00.06
42	22	Iv	e	E	17 24 46	Slight trace
			e	E	25 37	
43	23	Iu	eP	Z	19 41 51	Traces
			e	Z	42 04	
			e	N	52 32	
			e(L)	N	20 09 39	

N°	Date	Character	Phase		h. m. s.	Remarks
44	24	Iv	e	E	05 16 03	Slight trace
			e	E	16 10	
			e	E	16 18	
45	24	Iu	eP'1	Z	09 24 09	Weak ab 16500 km
			iP'2	NZ	24 13	USCGS: 15.0 S, 173.7 W h = ab.33 km
			e	N	34 33	Samoa Islands region Felt: Apia
			eM	N	10 25,0	M = 5 1/4 - 5½ (Pal) H = 09.04.22.9
46	24	Iv	e	N	12 24 51	Weak
			e	N	24 59	
			e	E	25 08	
			e	E	25 30	
			e	E	25 40	
			I(Sg)	N	25 49	
47	25	I	e	N	06 33 46	Slight trace
			e	N	34 01	
48	25	I(v)	e	E	08 22 30	Slight trace
49	25	IVu	eIP'1	Z	08 50 35	ab. 16900 km
			IP'2	Z	50 (58)	h = ab. 560 km
			ipP'2	Z	53 (03)	USCGS: 20.5 S, 178.5 W h = ab.561km
			I	EN	09 00 27	H = 08.31.48.7, Fiji Islands
			eSS	E	13,4	
			eSSS	E	19,2	
50	25	Ir	e(M)	E	20 07,8	Slight trace USCGS : 36.7 N, 1.6 E h = ab. 33 km Near east coast of Algeria H = 19.58.47.9
51	26	Iu	eP	Z	07 01 42	Ab. 9600 km
			ePP	Z	05 09	USCGS: 34.0 N, 139.2 E h = ab.38 km
			eS	E	12 15	Near east coast of Honshu Japan
			eL	E	32,2	Felt Tokyo H = 06.48.57.1
			eM	E	36,9	
52	26	Iu	(e)PP	Z	23 50 49	Slight trace USCGS: 3,7 S, 140.1 E h = ab.50 km New Guinea H = 23,30,38.0
53	27	Id	e	E	08 03 (58)	Traces
			e	Z	04 01	
			e(Sg)	E	04 05	

N°	Date	Character	Phase		h. m. s.	Remarks
54	27	Ir	eM	E	09 19 23	Traces nuclear blast
			e	N	21 29	BCIS: Nuclear blast in Novaja Zemlja
			e	N	23 30	11 MT H = 09.00.51
						USCGS: 74.7 N, 50.3 E h = ab. 0 km
						Novaja Zemnlja H = 09.00.40.9
55	27	Iu	eP	Z	16 32 34	Traces
			eM	E	17 14 26	USCGS: 38.3 N, 142.4 E h = ab.40 km
						off east coast of Honshu Japan
						H = 16.20.04.7
56	27	Iu	eP'1	Z	23 49 53	Slight trace
						USCGS: 21.6 S, 171.5 E h = 69 km
						Loyalty Islands region H = 23.30.10.4
57	28	I	eP'1	Z	00 59 54	Slight trace
						USCGS: 15.7 S, 173.1 W h = ab. 33 km
						Samoa Islands region H = 00.40.04.9
58	28	Vr	iIIPn	Z =	11 02 22	ab. 1230 km
			i	NW-SE	03 08	Felt IV at Trieste
			i	NW-SE	03 34	BCIS: 22° 3/4 E 37°0 N Southeastern
			iS	SW-NE	04 07	Peloponneso
			iiii	SW-NE	04 09	PRESS Felt: at Atene (5 dead, several
			iiii(sS)	NW-SE	05 08	buildings damaged) Rome, Naples, Bari;
			i	SW-NE	05 24	Malta till the Egypte H = 10.59.48.5
						h = ab. 150 km
						USCGS: 38.0 N 23.1 E h = 120 km Greece
						1 killed 11 injured and moderate pro-
						perty damage felt: Southern Italy,
						Sicily, Crete, Malta Southern Yugoslavia
						M = 6 3/4 (Pas) H = 10.59.58.5
59	28	I(d)	e	E	12 43 44	Slight trace
			i	EZ	43 46	
60	28	Iu	eP	Z	22 56 54	Slight trace
						USCGS: 02.2 S, 67.8 E h = ab. 33 km
						Nortwest of Chagos Islands region
						H = 22.46.00.8
61	29	Iu	eP	Z	09 22 53	Slight trace 7400 km
			ePP	Z	25 22	USCGS: 01.9 S, 67.9 E h = ab.33 km
						Nortwest of Chagos Islands region
						H = 09.12.00.4
62	29	Iu	(e)	E	22 49 51	Wery weak
			e	E	59 50	USCGS: 34.1 N, 139.1 E h = ab.33km
			eS	E	23 00 10	Near east coast of Honshu Japan
			eM	E	22,7	H = 22.36.53.9

N°	Date	Character	Phase		h. m. s.	Remarks
63	30	Iv	e	E	02 17 25	Slight trace
			e	E	17 33	
64	30	IIv	ePn	Z	06 27 43	230 km
			e	Z	27 48	USCGS: 44.1 N, 12.5 E h = ab.33 km
			ePgPg	Z	27 53	Italy H = 06.27.07,4
			iSn	E	28 10	
			iSg	N	28 15	
65	30	Iv	e	E	08 49 46	Traces
			i	E	49 58	
			i	E	50 12	
66	30	Iv	e	E	09 03 47	Traces
			i	E	04 05	
67	30	Iv	ePn	Z	12 11 16	360 km
			eSn	N	11 53	USCGS: 42.2 N, 14.3 E h = ab. 33 km
			iSg	E	12 09	Italy H = 12.10.23.8
68	30	Iv	e	E	13 12 33	Slight trace
69	30	Iu	eP	Z	13 47 38	Traces
			eL	E	14 15,4	USCGS: 41,8 N, 111.8 W h = ab.37km Utah Idaho border minor damage in Logan Utah area. Felt in 4 states M = 5 3/4 - 6(Pas) 5,8 (Pal) H = 13.35.28,7
70	30	Iv	e	E	14 10 32	Slight trace
71	30	Iv	e	E	16 59 43	Slight trace
72	30	Iu	eP'1	Z	17 37 43	Traces
			eP'2	Z	38 14	USCGS: 21.2 S, 174.4 W h = ab.33 km Tonga Islands M = 5½ (Berk) H = 17.17.51.9
73	30	Iv	e	E	17 53 01	Weak
			e	Z	17 53 07	
			i(Sg)	E	53 13	
			i	E	53 18	

Seismological Station not recording from 31st August 8h52m to

1st Septembrer 11h30m

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 S P E R I M E N T A L E

T R I E S T E

Viale Romolo Gessi, n. 4 - ITALIA

MICROSEISMIC MEASUREMENTS

- AUGUST 1962 -

Constants of the Stations

Instruments	Components	T_0	V_0	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	2.55	2.295	2.15	Foto

Component E - W

Hours	0^h			6^h			12^h			18^h		
Data	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec	K	A μ	T sec
1	2	0.1	3.0	...			2	0.1	4.3	2	0.1	4.5
2	2	0.2	5.2	2	0.1	4.7	2	0.1	4.7	2	0.1	4.7
3	2	0.1	4.7	2	0.1	4.7	0.0			2	0.1	4.0
4	2	0.1	4.0	0.0			2	0.1	4.0	2	0.1	4.0
5	2	0.1	4.3	2	0.1	4.0	2	0.1	4.5	2	0.1	4.0
6	2	0.1	4.3	2	0.1	4.0	2	0.1	4.0	2	0.1	4.0
7	2	0.1	4.3	2	0.1	3.7	2	0.1	4.0	...		
8	...			...			3	0.1	2.0	0.0		
9	0.0			3	0.1	2.0	3	0.1	2.0	0.0		
10	3	0.1	3.5	3	0.1	4.5	2	0.1	5.0	2	0.1	4.0
11	2	0.1	4.0	2	0.1	4.3	2	0.1	4.7	2	0.2	5.0
12	2	0.2	5.0	2	0.2	5.0	2	0.2	5.3	2	0.2	5.0
13	2	0.2	5.0	2	0.2	4.8	2	0.1	5.0	2	0.1	5.0
14	2	0.1	4.5	2	0.1	4.3	2	0.2	4.5	2	0.1	4.3
15	2	0.1	4.0	2	0.1	4.0	2	0.1	4.5	2	0.1	4.0
16	2	0.1	4.0	2	0.1	4.0	2	0.1	5.0	2	0.1	5.0
17	2	0.1	5.7	...			...			2	0.1	5.0
18	2	0.1	5.0	2	0.1	5.0	0.0			0.0		
19	3	0.1	2.0	3	0.1	2.0	0.0			0.0		
20	2	0.1	5.0	2	0.1	5.0	0.0			2	0.1	5.0
21	2	0.1	4.0	2	0.1	4.0	2	0.1	5.0	2	0.1	5.0
22	2	0.1	4.0	2	0.1	4.0	2	0.1	4.5	0.0		
23	0.0			0.0			2	0.1	4.7	2	0.1	4.7
24	2	0.1	4.0	2	0.2	5.0	2	0.2	6.0	2	0.2	5.7
25	2	0.2	5.0	2	0.2	5.2	2	0.2	5.5	2	0.2	4.7
26	2	0.2	5.2	2	0.1	5.0	2	0.2	5.5	2	0.2	5.3
27	2	0.2	5.0	2	0.2	5.3	2	0.2	5.3	2	0.2	4.7
28	2	0.2	5.0	2	0.1	4.7	...			2	0.1	4.7
29	2	0.1	5.0	0.0			2	0.1	4.5	0.0		
30	...			1	0.1	2.0	...			...		
31	...			...			...			...		

C. PUPIS

International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE

Viale Romolo Gessi, n. 4 - ITALIA

Seismological Bulletin

- September 1962 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	Iu	eP	Z	15 09 20	Ab. 5050 km
			eS	E	16 07	USCGS: 25.8 N, 65.3 E near east
			eM	E	30 47	of West Pakistan H = 15.01.04.6
2	1	IIIr	IIP	Z+	19 26 39	3200 km
			IPP	Z	27 37	BCIS: 36°½ N, 49½ E Iran
			IIIS	N	31 27	Descructive shock in the whole
			IIIM	N	37 13	region of Kavzin about 20.000
						killed macroseismic surface >
						65.000 km^2 H = 19.20.40
						M = 7,3 (Atene) 7.0 (Strasbourg)
						6-6.25 (Istanbul)
						USCGS: 35.6 N, 50.0 E h = ab.21 km
						Northwest Iran Over 10.000 killed
						many injured and extensive property
						damage M = 7½ (Pas) 7 3/4 (Berk)
						7 (Pal.) H = 19.20.38.5
3	3	I	e	E	15 20 22	Slight trace
			e	E	20 36	
			e	ZE	20 42	
4	4	Ir	eP	Z	13 36 12	Ab. 3250 km
			eS	E	41 11	BCIS: 36°½ N, 49° E aftershock of
			eM	E	46,9	1st september - Iran H = 13.30.18
						USCGS: 35.6 N, 49.7 E
						h = ab. 24 km Northweast Iran
						H = 13.30.10.9
5	4	Ir	eP	ZE	23 04 22	Ab. 2600 km
			i	ZE	04 26	BCIS: 40° N, 44° E H = 22.59.17
			eS	N	08 33	ISTANBUL: SW of Erivan, Turkey - Russian
			i	E	08 40	border heavy damages at Igdir (39° 55'6 N,
			eM	E	13,2	44°01' E and its environs 1 killed
						22 injured
						Forcibly felt at Diyadin (39°5 N,
						43°7 E) e (Dogubayazit) 39°5 N, 44°1 E
						KSARA: M = 5,3
						USCGS: 39.9 N, 44.2 E h = 33 km
						Turkey: Armenia SSR border Felt: Diyadin
						and Doggbayazit
						H = 22.59.19.4

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N°	Date	Character	Phase		h. m. s.	Remarks
6	7	I(d)	e	E	05 34 36	Slight trace
7	10	IIr	ePn	Z	09 39 56	D = Ab. 1630 km
			e	N	42 28	BCIS: 35° 6N, 27° 5 E off E of Creta
			i	N	44 13	Island: H = 09.36.28
			iSgSgSg	N	44 36	USCGS: 35.0 N, 27.1 E h = ab. 33 km
			i	N	45 19	Dodecannese Islands H = 09.36.24.3
8	10	IVu	eiP'1	Z	16 02 38	Weak 17000 km
			ei	Z	02 48	h = ab. 650 km
			iP'2	Z	03 (03)	USCGS: 21,S, 179.2 W h = ab.640 km
			ipP'1	Z	05 16	Fiji Islands M = 6½ (Pas)
			iPP	Z	06 43	H = 15.43.59.4
9	10	Id	e	E	21 31 40	Slight trace
			i	E	31 44	
			i	E	31 51	
10	12	I(v)	(e)	E	03 59 36	Slight trace
			e	ZE	59 47	
			i	E	59 50	
11	12	Iu	(e)	Z	05 00 00	Slight trace
			e	Z	05 00 07	USCGS: 7.0 S, 12.4 W h = ab. 33 km
						Ascension Island region H = 04.50.14.3
12	12	Ir	iP	Z	21 04 48	Ab. 4700 km
			i(pP)	Z	05 07	h = ab. 70 km
			iPP	Z	06 30	USCGS: 36.5 N, 69.2 E h = ab. 50 km
			iPPP	Z	07 19	Hindu Kush M = 6½ 6 3/4 (Pas) 6 (Pal)
			iS	N	11 (05)	H = 20.57.00.4
			eSS	N	14 25	
			iM	N	20,3	
13	13	Iu	eP	Z	00 08 33	Traces
						USCGS: 7.3 S, 13.3 W h = ab. 33 km
						Ascension Island region H = 23.58.46.8
14	14	Ir	e	E	00 39 50	Traces
			e(SgSgSg)	N	40 22	USCGS: 39.6 N, 28.6 E h = ab.69 km
						westerm Turkey. Slight damage at
						Balikesir and Bursa H = 00.33.25.8
15	15	Id	e(Pg)	ZE	03 30 23,3	Weak (30) km
			e	E	30 25.0	
			iSg	EN	30 27.6	
16	15	Ir	eL	E	08 18 18	Nuclear blast
			eM	N	20 37	BCIS: Nuclear blast in Novaje Zemlja
			e	E	24 18	10 MT H = 08.02.13
						USCGS: 34.4 N, 51.5 E h = ab. 0 km
						Novaja Zemlja H = 08.02.13.9

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N°	Date	Character	Phase		h. m. s.	Remarks
17	15	Mu	eiP	Z	23 03 00	Ab. 9000 km
			iS	EN	13 (06)	USCGS: 48.5 N, 156.8 E h = ab. 33 km
			eL	E	30,8	Kurile Islands M = 6½ (Pas) 6 (Pal)
			eM	E	36,3	
18	16	I	e	Z	08 50 49	Slight trace
			e	Z	50 52	
19	16	Ir	eM	E	11 19 19	BCIS: Nuclear blaat in Novaja Zemlja
			e	N	22 39	12 MT H = 10.59.11
						USCGS: 74.2 N, 51.6.E h = ab. 0 km
						Novaja Zemlja M = 4 3/4 - 5 (Pal)
						H = 10.59.10.5
20	16	IIv	ePn	Z	14 50 29	300 km
			ePg	N	50 34	
			iSn	E	51 00	
			iSg	Z	51 12	
21	17	IIv	ePn	Z	19 46 27	745 km
			iSn	ZN	47 44	BCIS: 41°0 N, 20°7 E Border Albania
			iSgSg	Z	48 27	Jugoslavia region
			iSgSgSg	N	48 35	Monastir : Felt: at ohrid and Bitola
						H = 19.44 41
						USCGS: 41.3 N, 20.8 E
22	18	IIu	eiP	Z	00 42 02	ab. 9850 km
			iPP	E	45 38	USCGS: 7.5 N, 82.3 W h = ab. 33 km
			iS	E	52 31	South of Panama
			eM	E	01 17,9	Felt: Chiriqui Province Mag = 7(Pas)
						7 (Berk) 6½ - 6 3/4 (Pal)
						H = 00.29.05.2
23	18	Ir	eM	N	08 50 54	Nuclear blast
						BCIS: Nuclear blast in Novaja Zemlja
						7 MT H = 08.29.10
						USCGS: 73.2 N, 54.7 E h = ab. 0 km
						Novaja Zemlja H = 08.29.02.7
24	19	Ir	eM	E	11 19 13	Nuclear Blast
			e	E	22 30	BCIS: Nuclear Blast in Novaje Zemljia
			i	N	24 27	18 MT H = 11.01.01
						USCGS: 73.8 N, 53.8 E h = ab. 0 km
						Novaja Zemljia M = 5 - 5 1/4 (Pal)
						H = 11.00.56.4

Seismological Station not recording from 21st September 02h 05m to 22nd September 07h40m

International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
25	22	IVu	eM	N	07 40,5	Traces
						USCGS: 24.3 S, 67.1 W h = ab. 168 km
						Salta Province Argentina H = 06.44.04.9
26	24	Iu	eP	Z	14 50 41	Weak ab 9000 km
			eM	N	15 28,6	USCGS: 42.8 N, 145.3 E
						Near east coast of Hokkaido Japan
						H = 14.38.21.7
27	25	Ir	eM	N	13 22 31	Nuclear blats in Novaje Zemlja (22 MT)
			ei	N	26,1	H = 13.02.40
						USCGS: 73.7 N 55.0 E h = ab. 0 km
						Novaja Zemlja M = 5 1/4 (Pal)
						H = 13.02.40
28	27	Ir	eM	E	08 21 06	Nuclear Blast
			e	E	25 10	BCIS: H = 08.03 21 74½ N 52° E
						Nuclear Blast in Novaje Zemlja 25 MT
						USCGS: Novaja Zemlja 74.3 N 52.4 E
						h = ab. 0 km M = 5 1/4 - 5½ (Pal)
						H = 08.03.16.4
29	27	IVu	eP'1	Z	14 43 58	Slight trace
						USCGS: 17.6 S, 178.9 W h = ab.507 km
						Fiji Islands H = 13.25.05.6
30	28	Iv	e	E	15 23 10	Slight trace
			e	E	23 50	Z not recording
31	28	Iu	e	E	19 08 41	Traces
			iS	E	18 55	Z not recording
			i	N	19 08	
32	29	I(v)	e	N	05 29 55	Traces
			e	E	30 10	Z not recording
33	29	I(v)	e	E	06 23 18	Traces
			e	E	24 34	Z not recording
			eSn	E	24 43	USCGS: 40.1 N, 21.0 E h = 33 m
			iSgSg	E	25 33	Greece Albania border region
			i	N	26 09	H = 06.01.20,5
34	29	I	e	Z	08 28 46	Traces
35	29	IVu	eP	Z	15 30 36	11200 km h = ab. 580 km weak
			iPP	Z	34 51	USCGS: 27.0 S, h = ab. 57.5 km
			ePPP	E	37 09	Santiago Del Estero Provincia Argen
			ei	E	37 37	tina M = 6½ (Pas), 6 1/4 (Pal)
			iSKS	EN	40 22	H = 15.17.47.7
			eiSKS	N	44 19	
			e	E	46 39	
36	30	Iv	e	E	16 53 08	Weak
			e	E	53 24	
			e	Z	53 36	
			i	Z	53 43	
			iSg	E	53 47	
			iM	E	54 07	

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International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - Italia

MICROSEISMIC MEASUREMENTS

- SEPTEMBER 1962 -

Constants of the Station

Instruments	Components	T_0	V_0	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	2.55	2.295	2.15	Foto

Component E - W

Hours	0^h			g^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	...			...			2	0.2	6.0	2	0.2	4.3
3	2	0.2	6.0	2	0.2	6.0	2	0.3	6.3	2	0.1	5.0
4	2	0.2	5.0	2	0.2	5.0	2	0.2	5.0	2	0.1	5.0
5	2	0.1	5.0	2	0.1	4.7	3	0.1	2.0	3	0.1	4.0
6	3	0.1	4.0	3	0.1	3.3	3	0.1	3.7	3	0.1	3.7
7	3	0.1	4.3	3	0.1	4.0	3	0.1	2.5	3	0.1	3.7
8	3	0.1	3.5	3	0.2	2.3	3	0.3	2.3	3	0.2	3.5
9	3	0.1	3.3	3	0.1	3.3	3	0.1	3.0	2	0.1	4.3
10	2	0.1	3.7	2	0.2	4.2	...			2	0.2	4.0
11	2	0.2	4.7	2	0.2	4.7	2	0.2	4.7	...		
12	2	0.4	5.7	2	0.3	5.3	2	0.3	5.0	2	0.2	4.3
13	...			...			2	0.2	5.3	2	0.2	4.5
14	3	0.4	2.7	3	0.2	3.0	3	0.1	3.0	3	0.1	3.3
15	2	0.1	4.5	2	0.1	4.0	2	0.1	4.0	2	0.2	4.7
16	...			2	0.2	4.7	2	0.2	4.3	2	0.2	4.7
17	2	0.3	5.7	3	0.1	2.4	3	0.1	2.3	2	0.3	6.6
18	1	0.3	2.3	1	0.2	2.5	1	0.2	2.0	3	0.1	3.5
19	3	0.1	3.0	3	0.1	2.3	3	0.1	2.0	3	0.1	2.0
20	2	0.1	4.0	2	0.1	4.0	3	0.1	4.0	3	0.1	4.0
21	2	0.1	4.0	2	0.1	4.0	2	0.1	4.5	2	0.1	4.5
22	...			...			2	0.1	4.3	2	0.1	4.0
23	2	0.1	4.3	2	0.1	4.0	2	0.1	4.7	2	0.4	5.7
24	2	0.3	6.0	2	0.3	6.0	2	0.4	7.0	2	0.4	7.0
25	3	0.8	7.3	3	0.8	6.7	3	0.6	7.0	3	0.5	7.5
26	3	0.2	2.7	3	0.2	2.7	3	0.2	2.0	3	0.2	2.0
26	3	0.3	6.0	3	0.2	6.0	3	0.2	4.7	3	0.3	5.0
	3	0.2	2.7	3	0.1	2.2						
27		0.2	4.7	2	0.1	5.0	2	0.1	4.5	2	0.1	4.0
28			4.0	2	0.1	3.0	1	0.1	3.3	1	0.1	3.0
29					.4	6.7	2	0.4	7.0	2	0.4	5.5
30						6.0	2	0.7	6.0	2	0.8	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 S P E R I M E N T A L E

Viale Romolo Gessi, n. 4 - I T A L I A

Seismological Bulletin

- October 1962 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	1	IVu	eP*1	Z	04 15 43	Slight trace USCGS: 17.5 S 178.9 W h = ab. 550 km Fiji Islands H = 03.56.52.0
2	1	IVu	eP	Z	10 05 30	Slight traces 47.3 N, 151.5 E h = ab. 127 km Kurile Islands H = 09.53.32.9
3	1	Ir	eP	Z	12 21 06	4200 km
			ePP	E	22 37	BCIS: 27°0 N, 54°3/4 E
			e	E	23 27	Iran, a SE di Lar H = 12.13.50
			iS	E	26 56	USCGS: 27.9 N, 54.9 E
			i	E	27 22	h = ab. 16 km Southern Iran
			eM	E	36,6	h = 12.13.57,4
4	1	I(d)	e	Z	12 43 07	Slight trace
5	1	Iv	e	E	22 34 36	Weak
			e	E	34 46	
			i(Sg)	E	35 25	
6	3	Ir	(e)P	Z	01 23 14	Traces
			eM	E	35,3	USCGS, 40.6 N 29.7 W, h=ab. 33 km Azores region H = 01.16.46.7
7	3	Ir	eP	Z	01 25 44	Slight Trace USCGS: 40.7 N, 29.7 W H = 01.19.22,5 h = ab. 33 km Azores region
8	4	IIr	ePn	ZN	19 48 30	1020 km
			e	Z	48 33	BCIS: 38°1 N, 22°6 E deep ab.
			ePgPgPg	E	49 17	40 km Grece, Gulf of Corinto
			iSn	EN	50 17	region (Determination by elec-
			i	E	50 52	tronic calculating machine)
			i(SgSg)	E	51 17	H = 19.46.10
			iSgSgSg	N	51 26	USCGS: 38.3 N, 22.7 E
			iQ	E	51 39	h = ab. 38 km Grece Felt
			iIM	E	52 11	Corinth H = 19.46.01

International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
9	5	I(v)	e	N	16 55 10	Slight trace
10	5	Ir	eP	Z	20 09 23	Slight trace
						BCIS: 35° 1 N, Iran 58°6 E
						H = 20.02.22
						ICHIRAZ: 5 dead and several injured: Ristoh-destroyed (35°16' N 59°13' E damages at Ahmadabad (35°06' N, 58°44' E). Felt at Torbat Heidariyeh, Kachmar (35°12' N, 58°27' E) Gonabad(34°20' N, 58°42' E) and Tayebad (34°7 N,60°7 E)
11	5	Iv	ePn	Z	23 01 06	Very weak 305 km
			ePgPg	N	01 17	
			eSn	N	01 37	
			iSb	Z	01 48	
			iSg	EN	01 51	
12	6	Iv	e	E	00 46 55	Traces
			e(Sg)	E	47 17	
13	6	Iv	e	E	01 56 46	Slight trace
			e(Sg)	E	57 08	
14	6	Ir	eP	Z	03 23 29	Weak 3550 km ca
			ePP	Z	24 41	BCIS: 40°3/4 N, 29°½ W
			eS	E	28 44	H = 03.17.00
			eM	E	36.1	Atlantic ocean, Off NW of Azzorre
						USCGS: 40.8 N, 29.5 W
						h = ab. 33 km Azores region
						H = 03.17.07.2
15	6	Iu	eP'1	Z	04 42 56	Ab. 16000 km
			i	Z	43 15	USCGS: 17.4 S, 167.7 E
			e(PP)	E	46 35	h = ab. 33 km New Hebrides
			e(SKSP)	E	56 45	Islands Felt Port Vila
			eSS	E	05 04 42	H = 04.23.24.1
			eSSS	E	10 24	
			eL	E	36,3	
			eM	E	45,6	

N°	Date	Character	Phase		h. m. s.	Remarks
16	6	lu	eiP	Z	05 51 10	9500 km h = ab. 60 km
			epP	Z	51 29	weak obscured by preceding
			e(sSKS)	E	06 01 54	shock
						USCGS: 26.2 N, 126.9 E
						h = ab. 122 km Ryukyu Islands
						H = 05.38.40.3
17	6	lu	e	Z	08 23 21	Slight trace
			eM	E	09 26,3	USCGS: 17.2 S, 168.0 E
						h = ab. 33 km New Hebrides
						Islands H = 08.03.31.7
18	6	lu	eP'	Z	23 50 59	Traces
			eM	N	00 50 39	USCGS: 17.5 S, 167.6 E
						h = ab. 42 km New Hebrides
						Islands H = 23.31.27.7
19	8	lr	e	E	14 30 26	Obscured by microseisms
			iSgSg	N	31 10	BCIS: Southern Bulgaria
			i(M)	E	31 50	42°4 N, 24°6 E H =14.26.37
						SOFIA: Felt at Peschtera e
						Welingrad (VII) Damages
20	8	lr	e	E	15 14 44	900 km ca
			eSn	E	14 50	obscured by microseisms aftershock
			eSb	E	15 24	Southern Bulgaria 42°4 N,
			iSgSg	N	15 47	24°3 E H = 15.11.17
			i(M)	E	16 24	USCGS: 42.2 N, 24.1 E
						h =ab. 33 km Bulgaria
						H = 15.11.12.8
21	8	llu	eiP	Z	22 08 54	ab 9450 km
			(e)PPP	N	14 42	USCGS: 24.3 N, 121.7 E
			eiS	N	19 20	h = ab. 29 km
			i	E	19 55	Near east coast of Formosa
			eL	N	38 31	M = 6(Pas) 6 1/4 (Pal)
			i(LR)	E	41 21	H = 21.56.22.2
			iM	E	44 27	
22	9	lu	ePP	Z	20 35 15	Weak ab. 13600 km
			eL	N	21 13,5	USCGS: 3.2 S 148.2 E
						h = ab. 33 km Bismark Sea
						M = 6 1/4 (Pas) H = 20.14.38.3
23	10	lu	eP'1	Z	22 12 24	Traces
						USCGS: 15.1 S, 173.3 W h = ab.
						33 km Samoa Islands region
						Felt: Apia H = 21.52.36.8

N°	Date	Character	Phase		h. m. s.	Remarks
24	12	I(v)	e	Z	11 24 57	Traces
			i	E	25 06	
			i	N	25 09	
25	12	Id	e	E	15 38 17	Slight trace
			iSg	ZEN	38 19	
26	12	Iv	ePg	Z	23 15 24	Traces 340 km ca
			ePgPg	N	15 29	
			iSg	E	16 07	
			iSgSg	N	16 15	
26	13	Ir	iS	N	10 34 30	Initial phases obscured by microseisms ab 3250 km BCIS: 35°8 N, 50°3 E H = 10.23.37 Determination by electronic calculate machine CHIRAZ: Iran west of Teheran Damages on coast of Caspian sea at Rondsar (37°07' N, 50°15' E) Felt at Tehéran USCGS: 35.5 N, 49.8 E h = ab. 33 km Northwestern Iran Felt: Tehran h=10.23.38.2
			ei	E	34 52	
			eM	N	40 06	
27	14	Iu	eM	E	16 02,5	Traces USCGS: 31.8 N, 131.5 E h = ab. 33 km Near South coast of Kyushu Japan H = 15.08.59.5
28	14	Iv	e	N	20 26 14	Traces
			i	E	26 18	
			iSg	E	26 24	
29	15	Iv	i	E	16 20 07	Traces
30	15	I	e	N	22 08 21	Traces
			i	EN	08 26	
31	20	Iv	eSg	E	09 27 53	Slight trace
32	20	Iv	e	E	19 06 10	Slight trace
33	25	Iv	e	N	18 44 33	Traces
34	31	Iv	e	N	03 54 21	Traces
			i	E	54 26	
			i	N	54 35	

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International Seismological Centre

OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - Italia

MICROSEISMIC MEASUREMENTS

- OCTOBER 1962 -

Constants of the Station

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	2.55	2.295	2.15	Foto
		DAL 26.10.62			
Alfani 3 kg	Z	5.3	3.400	5.0	

COMPONENT E - W

Hours	0h			6h			12h			18h		
Date	K	Aμ	T sec	K	Aμ	T sec	K	Aμ	T sec	K	Aμ	T sec
1	2	0.7	6.0	2	0.6	5.8	2	0.4	5.8	2	0.4	6.0
2	2	0.3	5.7	2	0.3	5.3	2	0.3	5.6	2	0.4	6.0
3	2	0.3	6.0	2	0.2	5.7	2	0.2	5.5	2	0.2	5.5
4	2	0.2	5.3	2	0.2	5.3	2	0.2	5.0	2	0.3	5.0
5	2	0.3	5.7	2	0.3	5.3	2	0.2	5.0	2	0.3	5.0
6	2	0.3	5.0	...			2	0.2	5.0	2	0.2	5.0
7	...			2	0.2	5.0	2	0.2	4.0	3	0.2	5.3
8	3	0.2	5.0	3	0.2	4.5	3	0.2	5.0	3	0.2	5.0
	3	0.1	2.0	3	0.1	2.0	3	0.1	2.0	3	0.1	2.3
9	3	0.2	5.0	3	0.2	5.0	2	0.2	5.0	2	0.2	4.0
	3	0.1	2.0	3	0.1	2.0						
10	2	0.1	4.3	2	0.2	4.0	2	0.2	5.0	2	0.2	5.0
11	2	0.1	5.0	2	0.2	5.5	2	0.2	5.3	2	0.2	5.0
12	2	0.2	5.0	2	0.2	4.8	2	0.1	4.3	2	0.2	4.8
13	2	0.2	5.0	2	0.1	4.3	2	0.2	5.0	3	0.2	3.0
14	3	0.2	3.0	3	0.1	2.7	2	0.1	2.7	2	0.2	5.3
15	3	0.2	5.0	3	0.2	4.7	2	0.2	5.0	3	0.1	2.0
16	3	0.1	2.0	3	0.1	2.5	3	0.2	2.5	3	0.2	2.5
17	3	0.2	3.2	3	0.2	2.5	3	0.2	2.3	3	0.2	2.0
18	3	0.2	2.3	3	0.2	2.0	2	0.2	4.7	3	0.2	5.2

2-3-63

International Seismological Centre

O S S E R V A T O R I O G E O F I S I C O S P E R I M E N T A L E

Viale Romolo Gessi, n. 4 - I T A L I A

Seismological Bulletin

- November 1962 -

Nº	Date	Character	Phase		h. m. s.	Remarks
1	3	I	e	N	10 39 00	Slight trace
2	4	I	e	N	10 21 34	Slight trace
3	4	Iu	ePP	Z	23 13 43	Traces
			eM	N	59,3	USCGS: off coast of Southern Chile
						43.2 S, 75.6 W h = ab. 33 km
						M = 5 3/4 - 6 (Pas) 5½ (Pal)
						H = 22.53.34.2
4	7	I(v)	e	E	00 55 00	Slight trace
			i	EN	55 15	
5	9	Ir	eP	Z	01 16 56	Slight trace
						USCGS: 33.4 N, 47.2 E h = 33 km
						Iraq - Iran border region Felt:
						Pal - E - Dachtar H = 01.11.02.1
6	10	Iu	iP	ZN	01 45 33	Ab 9000 km
			e	E	55 40	USCGS: 43.8 N, 147.2 E h = ab. 60 km
			iS	EN	55 43	Kurile Islands region H = 01.33.19.0
			eL	N	02 14,6	
7	10	I(d)	e	Z	14 23 20	Slight trace
8	11	Iu	eP	Z	11 41 39	Ab 6500 km
			e	Z	41 43	USCGS: 55.8 N, 113.1 E Lake Baikal
			i	Z	41 47	
			eS	E	50 42	region U.S.S.R. H = 11.31.44,5.
			eL	E	59,8	
			iM	N	12 04 15	
9	11	Iv	ePg	E	12 59 27	ab.(170) km
			e(PgPg)	E	59 36	
			iSg	N	59 48	
10	11	Iu	eP	N	15 12 15	Slight trace
			e	E	12 24	

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International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
11	11	Ir	eP	Z	15 22 33	ab. 4000 km
			i	EN	22 42	USCGS: 17.2 N, 40.7 E h = ab.34 km
			eiS	N	28 18	Red sea H = 15.15.33.6
			i	N	28 20	
			eM	E	40,3	
12	11	Iu	eiP'	Z	16 29 19	ab. 15.500 km
			iPP	Z	32 29	USCGS: 12.9 S 166.5.E h = ab. 77 km
			e	Z	35 24	Santa Cruz Islands Felt: Port Vila
			i(PPP)	Z	35 31	M = 6 - 6½ (Pas) H = 16.09.57.6
			eSKKS	E	38 40	
			eSS	N	50 34	
			eSSS	N	55 26	
			eM	E	17 23,9	
13	11	Iu	e(PP)	E	22 34 30	13250 km
			e(SKS)	E	40 37	USCGS: 43.2 S, 76.0 W h = ab. 33 km
			e	E	41 27	Off coast of southern Chile
			eSP	E	44 30	M = 6½ - 63/4 (Pas) H = 22.14.18.7
			eSS	E	50 55	
			eL	E	23 05,3	
			eM	E	13,8	
14	12	I	eiP	Z	13 02 03	Traces
			eL	N	37 42,3	USCGS: 26.0 N, 128.4 E h = ab.40 km
						Ryukyu Island H = 12.49.10.8
15	12	I	i	Z	15 06 58	Traces
16	12	I	i	E	15 17 39	Slight trace
			i(Sg)	E	17 41	
17	15	Iv	i	E	05 25 08	Slight trace
			i(Sn)	E	25 16	BCIS: Italy, Appenins Ligure 40 km
			i(Sb)	E	25 28	to NE from Genova 44°5 N, 9°3 E
						H = 05.23.46
18	16	Iv	i	E	05 52 57	Slight traces
19	16	Iu	i(SSP)	E	07 59 21	Slight trace
			e(L)	E	08 28,7	USCGS: 32.3S 111.1 W h = ab 43 km
						Easter Island region M = 6½-6 3/4
						(Pas) 6 (Pal) H = 07.18.37.3
20	16	Iu	e	N	21 21 45	ab. 8100 km
			iPP	E	24 18	Z not recording
			eiS	E	30 56	USCGS: 13,5 N, 93,2 E Andaman
			ei	N	31 07	Islands h = ab. 33 km M = 6 - 6 1/4
			eSSS	N	38 27	(Palisades) H = 21.10.01,8
			eL	N	43 55	
			eM	N	49,3	

N°	Date	Character	Phase		h. m. s.	Remarks
21	21	I(v)	e	E	14 26 17	Slight trace
22	25	I	i	Z	08 16 16	Slight trace
23	25	Iv	e	N	01 25 47	Traces
			i	EN	26 04	
			i	Z	26 09	
24	26	Iv	e	Z	15 18 54	Slight trace
			e	Z	19 17	
			i	Z	19 38	
25	26	Iv	e	ZNE	17 37 11	Slight trace
26	27	IVu	iP	Z	07 05 16	Slight trace
						USCGS: 25.1 N, 122.9 E
						h = ab. 148 km Ryukyu Islands
						H = 06.52.57.8
27	29	I	i	Z	21 41 57	Slight trace
28	30	Iv	e	Z	12 34 12	Slight trace
			e(Sn)	E	34 46	(390) km
			e(Sg)	E	35 04	
			e	N	35 13	
			i	N	35 15	
			i	Z	35 19	
29	30	I	i	Z	17 04 42	Traces

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - Italia

MICROSEISMIC MEASUREMENTS

- NOVEMBER 1962 -

Constants of the Station

Instruments	Components	T_o	V_o	ε	Registration
Alfani 3 kg	N - S	8.15	2.880	∞	Foto
" 3 kg	E - W	7.00	2.400	∞	Foto
" 3 kg	Z	5.3	3.400	5.0	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	3	0.9	6.0	3	1.1	5.0	3	1.0	5.0	3	1.2	6.7
	3	0.5	2.3									
2	3	1.2	6.7	3	0.8	7.0	3	1.2	7.3	3	1.1	7.3
3	3	0.7	7.7	2	0.6	6.8	2	0.4	7.0	2	0.4	6.2
4	2	0.4	6.4	2	0.3	6.0	...			...		
5	...			...			3	1.6	9.3	3	1.5	8.3
							3	0.3	3.0	3	0.4	3.0
6	3	0.9	4.7	3	0.9	4.3	3	0.9	5.5	3	0.6	5.0
7	3	0.6	7.1	3	0.4	6.4	3	0.4	6.0	3	0.4	5.7
8	3	0.3	4.3	3	0.3	3.7	1	0.3	3.5	1	0.3	3.3
9	1	0.3	3.7	1	0.4	4.0	1	0.4	4.0	1	0.6	4.7
10	1	0.5	4.6	1	0.3	4.7	1	0.2	3.7	1	0.2	4.3
11	2	0.2	4.7	2	0.2	4.8	...			1	0.1	3.0
12	1	0.1	3.0	1	0.2	4.0	2	0.2	5.7	2	0.2	6.0
13	2	0.2	6.0	2	0.2	6.0	2	0.2	5.0	2	0.2	5.5
14	2	0.2	5.0	2	0.3	5.7	...			2	0.4	5.5
15	3	0.3	4.7	3	0.3	5.7	3	0.3	5.0	3	0.3	5.0
	3	0.2	2.5	3	0.2	3.0	3	0.2	3.0	3	0.2	3.0
16	3	0.2	3.0	3	0.3	3.0	3	0.4	3.7	3	0.4	5.3
17	3	0.4	5.0	3	0.4	5.4	2	0.3	5.0	3	0.3	5.0
18	3	0.2	2.0	3	0.3	2.7	3	0.5	3.7	3	0.3	3.5
19	3	0.4	3.7	3	0.4	4.0	3	0.5	3.5	3	0.5	4.4
20	3	0.5	4.7	3	0.5	4.7	3	0.4	3.5	3	0.4	4.3
21	3	0.3	4.7	3	0.3	2.5	3	0.2	3.5	3	0.3	4.0
22	3	0.4	5.0	3	0.4	5.0	...			3	0.3	3.4
23	3	0.3	3.5	3	0.3	3.0	3	0.6	3.0	3	0.4	3.0
24	3	0.4	3.0	3	0.3	3.0	3	0.3	3.0	3	0.3	3.5
25	2	0.4	5.8	2	0.3	5.2	2	0.3	5.0	2	0.3	5.6
26	2	0.3	5.5	...			2	0.4	6.3	2	0.6	6.7
27	...			2	0.6	7.0	2	0.8	6.7	3	0.5	7.0
28	3	0.4	6.0	3	0.4	6.5	3	0.3	5.7	3	0.3	5.0
29	3	0.2	5.0	1	0.2	2.5	1	0.3	2.3	1	0.2	2.7
30	1	0.2	2.3	1	0.2	2.3	1	0.1	2.3	1	0.1	2.5

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OSSERVATORIO GEOFISICO SPERIMENTALE

Viale Romolo Gessi, n. 4 - ITALIA

Seismological Bulletin

- December 1962 -

N°	Date	Character	Phase		h. m. s.	Remarks
1	7	IVu	iP	Z-	14 15 55	10050 km h = ab. 440 km
			i	Z	16 06	USCGS: 29.2 N, 139.2 E Bonin
			iPP	NE	19 39	Island region h = ab. 411 km
			ePPP	Z	21 47	H = 14.03.37,0 M = 6 3/4 - 7
			iSKS	NE	25 44	(Berk)
			iS	E	26 08	
			i	N	27 20	
			i(sSKS)	NE	28 48	
			i(sS)	E	29 07	
			i(SSS)	E	36 07	
			e(M)	N	48,2	
2	8	Iv	e	N	09 35 25	Slight trace
			e	Z	35 49	
3	8	Iu	iP'1	Z	18 38 17	Traces
			iP'2	Z	38 40	USCGS: 15.2 S, 173.7 W h = ab.33 km
			iM	N	19 37,9	Tonga Islands region H = 18.18.29.1
			i	N	41,9	
4	8	IVu	(e)P	Z	21 40 (02)	11.100 km ca h = ab. 640 km
			i	Z	40 10	USCGS: 25.8 S, 634 W h = ab. 620 km
			izPP	Z	44 13	Salta-Santiago Del Estero Provinces
			izpPP	Z	46 07	border, Argentina H = 21.27.22.2
			iSKS	E	49 44	
			iS	N	50 47	
			esS	N	54 46	
			eSS	N	57 45	
			esSSS	N	22 01,1	
5	8	Iu	iP	Z	23 07 31	Slight traces
			i(pP)	Z	07 45	USCGS: 50.5 N, 176.8 W h = ab. 33 km
						Andreanov Islands: H = 22.55.01.2
6	9	Iv	e	Z	07 33 55	Slight trace
7	10	Iu	iP	Z	05 08 57	Debole traccia
						USCGS: 28.3 S, 62.7 E
						h = ab. 33 km Indian Ocean
						H = 04.56.19.4

MAR 8 1983

N°	Date	Character	Phase		h. m. s.	Remarks
8	10	I(v)	i	Z	06 21 53	Slight trace
9	10	I	e(Sg)	N	13 21 32	Slight trace
10	11	I(v)	e	Z	00 18 49	Slight trace
11	11	I(d)	e	ZE	15 37 46	Slight trace
			i	ZE	37 48	
12	12	Iu	e	Z	10 28 04	Slight trace
			i	Z	28 13	USCGS: 48 S, 153.8 E h = ab. 94 km
			e(PP)	Z	29 54	New Britain H = 10.08.48.5
13	16	I(d)	i	ZEN	14 28 41	Slight trace
14	21	IIu	(e)P	Z	08 55 (06)	9200 km M = 7,0
			i	Z	55 (10)	USCGS: 52.4 N, 168.5 W h = ab. 33 km
			eS	N	09 05 29	Fox Islands Auletian Islands 6 1/4
			iI	N	05 41	(Berk) 6½ (Pas) 6 3/4 (Pal)
			eSP	N	06 29	H = 08.42.48,3
			iSPP	E	07 32	
			eSS	N	11 16	
			eSSS	N	15 09	
			e(L)	N	28,2	
15	21	IIu	iP	Z+	09 13 02	9200 km M = 6 3/4 - 7 (6,87)
			iS	N	23 36	USCGS: 52,4 N, 168.5 W h = ab. 33 km
			eM	N	48,5	Fox Islands Auletian Islands
						H = 09.00.41.4
16	21	IIu	iP	Z+	09 22 22	9200 M = 7,0
			iS	N	32 44	USCGS: 52.5 N, 168.5 N
			eSPP	N	34 42	h = ab 33 km Fox Islands Auletian
			eM	E	57,8	Islands H = 09.10.01.6
17	21	Iu	iP	Z-	09 45 30	Traces - obscured by preceeding shock
						USCGS: 42.4 N, 142.3 E Near south
						coast of Hokkaido, Japan H = 09.33.15.5
						h = ab. 27 km
18	22	Iu	iP'1	Z+	01 12 12	Weak
			eL	E	02 00,7	USCGS: 22.0 S, 170.1 E h = ab. 33 km
			eM	E	09,5	Loyalty Islands region
						M = 6½ - 6 3/4 (Pas) H = 00.52.23.4
19	22	Iu	iP	Z+	15 32 49	9150 km M = 6 3/4
			ei(S)	E	43 17	USCGS: 168.8 N, 52.5 N Fox Islands
			e(SSS)	N	52 39	Auletian Islands - h = 47 km
			eM	E	16 09,6	H = 15.20.31.0 M = 6 1/4 (Pas)

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Nº	Date	Character	Phase		h. m. s.	Remarks
20	23	Iv	iPn	ZE	00 45 32	740 km
			ePgPgPg	Z	46 06	BCIS: 41.3 N, 20.3 E
			iSn	E	46 50	Albania - Yugoslavia border region
			i	E	46 57	H = 00.44.00
			iSb	E	47 19	USCGS: 41.3 N, 20.4 E h = ab. 33 km
			iSgSg	E	47 36	Albania - Yugoslavia border region
						H = 00.43.56.3
21	24	I	eM	E	11 31,9	Z not recording
						USCGS: 73.6 N, 57.5 E h = ab. 0 km
						Novaja Zemljia H = 11.11.42.0
22	26	Ir	iP	EZ	09 02 36	2100 km weak
			eS	E	06 14	BCIS: 39.3 N, 10.9 N h = ab. 40 km
			eM	E	09 18	Atlantic Ocean off west coast of Portugal
						Serra do Pilar: Felt at Lisbona, Coimbra, Oporto
						PRESS: Forcibly felt at Lisbona
						H = 08.58.12
						USCGS: 39.3 N, 10.6 W h = ab. 19 km
						off coast of Portugal Felt H = 08.58.11.1
23	26	IIu	iP	N	22 37 16	Z not recording D = 8700 km
			iPP	N	40 14	M = 6½ - 6 3/4
			iS	E	47 07	USCGS: 53.9 N, 168.7 E h = ab. 33 km
			eSS	N	52 11	Komandorskie Islands H = 22.25.15.5
			eM	NE	23 07,4	
24	27	Iu	i(P	Z	18 31 05	Slight trace
						USCGS: 39.9 N, 142.0 E h = 36 km
						Near east coast of southern Honshu
						Japan H = 18.18.42.0
25	28	I(d)	e	Z	15 41 59	Slight trace
			i	E	42 02	
26	28	Iu	iP	Z	21 50 03	Slight trace
						USCGS: 17.1 S, 14.1 W h = ab. 33 km
						South Atlantci Ocean H = 21.39.07.9
27	28	Ir	ii	Z	23 34 (56)	Traces
			eSn	E	35 20	USCGS: 34.7 N, 23.9 E h = ab. 33 km
						Mediterranean Sea H = 23.29.30.2

International Seismological Centre

N°	Date	Character	Phase		h. m. s.	Remarks
28	29	Iu	ePP	ZE	10 58 50	ab. 11.000 km M = 6½ - 6 3/4
			i	E	59 00	USCGS: 20.0 S, 69.9 W h = ab. 46 km
			eSKS	E	05 27	Northern Chile
			iSKKS	E	05 43	Felt: Arequipa, Peru
			iS	E	06 17	M = 6 3/4 (Pas) 6½ (Berk) 6 (Pal)
			iSP	E	07 52	H = 10.41.04.1
			eSPP	E	08 56	
			e	E	12 18	
			eSS	E	13 08	
			e	E	13 30	
			eL	E	28,1	
			eM	E	33,4	
29	29	Iu	eM	E	16 25 18	Traces USCGS: 31.2 S, 177.9 W h = ab. 43 km Kermadec Islands region M = 6-6½ (Pas) H = 14.47.41.4
30	31	Iu	eP'1	Z	20 00 00	Slight trace USCGS: 22.7 S, 171.4 E h = ab.39 km Loyalty Islands region H = 19.40.10.5

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OSSERVATORIO GEOFISICO SPERIMENTALE
TRIESTE

Viale Romolo Gessi, n. 4 - ITALIA -

MICROSEISMIC MEASUREMENTS

- DECEMBER 1962 -

Constant of the Stations

Instruments	Components	To	Vo	ε	Registration
Alfani 3 kg	N - S	8.15	2,880	∞	Foto
" 3 kg	E - W	7.00	2,400	∞	Foto
" 3 kg	Z	5.3	3,400	5.0	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	0.1	4.0	2	0.1	4.0	2	0.2	4.7	3	0.3	3.0
2	3	0.3	3.0	3	0.4	3.3	3	0.6	4.0	3	0.7	5.3
3	3	1.0	5.5	3	0.9	4.3	3	0.6	3.7	3	0.8	3.3
4	3	0.6	3.3	3	0.4	3.0	3	0.3	2.8	3	0.3	3.0
5	3	0.2	3.0	3	0.2	2.5	3	0.2	2.0	2	0.2	5.0
6	2	0.2	5.0	3	0.1	2.3	3	0.1	2.0	2	0.4	5.3
7	2	0.6	5.3	2	0.4	5.7	2	0.3	5.3	2	0.4	5.5
8	2	0.3	5.3	2	0.3	5.0	2	0.5	5.7	2	0.6	5.7
9	2	0.6	6.0	2	0.7	6.5	2	1.0	7.0	2	0.9	6.3
10	2	1.0	6.3	...			2	0.7	5.7	2	0.6	6.0
11	2	0.6	6.0	2	0.4	5.3	2	0.6	6.0	2	0.7	5.5
12	2	0.8	5.7	2	0.7	6.0	2	0.8	6.0	2	0.8	6.5
13	2	0.8	6.5	2	1.0	7.0	3	0.5	4.0	3	0.6	4.3
14	3	0.7	4.0	3	0.7	4.0	3	0.6	5.0	3	0.5	5.0
15	2	0.4	6.0	2	0.5	5.0	2	0.6	6.0	2	0.8	6.5
16	3	1.7	7.3	3	1.1	6.0	3	1.0	5.3	3	1.0	5.3
17	3	1.1	5.3	3	0.9	5.3	3	0.8	5.5	3	0.6	6.0
18	3	0.6	6.0	2	0.4	5.5	2	0.7	6.0	2	0.9	6.7
19	2	0.9	7.5	2	0.7	7.0	2	0.8	7.0	2	0.8	6.5
20	2	0.7	5.7	2	0.6	5.7	...			...		
21	...			...			2	0.7	6.3	2	0.7	6.3
22	2	0.7	6.7	3	0.2	3.0	3	0.3	3.0	3	0.4	3.0
23	3	0.4	3.3	3	0.7	2.7	3	0.3	3.0	3	0.4	3.3
24	3	0.4	3.3	3	0.2	2.7	3	0.3	3.0	3	0.2	3.0
25	2	0.3	5.3	2	0.6	5.7	3	0.2	2.5	3	0.2	3.0
26	3	0.5	3.0	3	0.5	3.0	3	0.3	3.5	3	0.3	3.7
27	3	0.4	4.0	3	0.4	3.5	3	0.3	4.0	2	0.3	5.0
28	2	0.3	5.7	2	0.4	6.0	2	0.3	5.5	2	0.4	6.0
29	2	0.2	5.0	3	0.3	3.5	3	0.3	3.5	3	0.3	3.7
30	3	0.3	4.3	3	0.4	4.5	3	0.4	4.5	2	0.3	3.7
31	2	0.3	4.5	2	0.2	4.0	2	0.2	5.0	2	0.2	4.3

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