



**HELSINKI UNIVERSITY**

**Seismological Station**

**Bulletin No 15<sup>17</sup>**

**1950**

**January — March**

**FINLAND**

Helsinki: 60° 10' N, 24° 58' E, h = 19.9 m.

The station is equipped with one vertical and two horizontal Mainka seismographs with mechanical registration and electromagnetic damping.

Instrumental constants (approximate):

M	To	V	v	Drum speed
N 730 kg	12 sec.	140	3.5	20 mm/min
E 730 "	12 "	140	3.5	"
V 300 "	3,5 "	70	2	17 "

In addition, a new sensitive vertical seismograph (Galitzin type, constructed by Vesanen) has been operating temporarily. The readings of the new instrument have been marked with Z. The final constants of the instrument have not yet been determined.

All times are G. C. T.  
c = compression, d = dilatation.

The post address of the station:

Seismological Station  
Fysiikan Laitos  
Siltavuorenpenger 20  
Helsinki, Finland

January

03	eP	02	58	50	c
	e		59	04	
	e	03	05	06	
	eS		08	42	
	e			50	
	e		09	02	
	eSS		13	34	
	eSSS		15	13	
	eL		24		

03	eL	12	16		
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19	eL	17	46		
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22	eP	04	20	25	
	eS		23	24	
	eL		27		

24	eL	17	48		
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30	e	01	19	30	
	eL		58		

February

02	iP	23	50	46.0	c
	ePP		52	49	
	eS		57	40	
	eL	24	02		

03	e	02	55	36	
	eL	03	12		

03	eP	03	08	54	
	eS		15	49	
	eL		20		

03	eL	13	37		
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05	e	02	27	08	
	e		34	36	
	eL		45		

07	eL	11	12		
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11	eL	03			
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12	eL	23			
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25	iPZ	05	55	23.5	
	iZ			28.0	

February

25	iPZ	10	03	20.6	
	eL	10	29		

28	iP	10	30	53.2	c
	i			57	

	ipP		31	57	
	i		32	12	
	iS		38	53	
	i			57	
	i		40	10	
	i			14	
	i		41	12	
					h = 280 km.

March

01	eL	09			
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02	iPZ	18	59	52.7	
	iZ	19	00	26	

03	iPZ	11	03	21.9	
	iZ			28.8	
	iZ			50.8	
	iZ			57.9	

07	iPZ	02	20	24.0	
	iZ			31	

	eS		30	42	
	eL		55		

12	eL	02	25		
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27	e	13	23	10	
	e		33	57	
	eL		38		

29	e	18	14	15	
	eL		30		

April 6, 1950

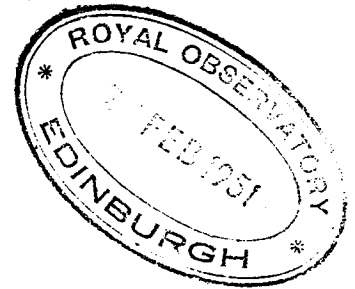
Eijo Vesanen  
H. Harkkoma

Address  
 Seisminen Asema  
 Fysiikan Laitos  
 Siitavuorenpenger 20  
 Helsinki  
 Suomi (Finland)

Seismological Station  
 HELSINKI UNIVERSITY  
 FINLAND

60°10' N, 24°58' E, h = 19.9m

Bulletin № 17  
 October - December 1950



October

03	eLM	23	32	
05	eLM	01	51	
05	iP	16	22	34.7
	iPP		26	12.1
	eS		33	16
	ePS		34	54
	eN		36	49
	iSS		40	05.6
	eSSS		43	52
	eL M		51 55	
08	eP	03	37	04
	ePP		41	12
	iPPP		43	12.2
	iSKS		47	40.8
	iS		48	42.6
	ePS		49	55
	ePPS		50	51
	eSS		55	27
	eN		57	02
	eL M	04	12	23.5
08	MN	05	20	
	ME		25	
15	eLM	17	06	
21	eLM	10	27	
23	eP	16	26	20
	ePP		30	26
	iSKS		36	50.8
	eSS		43	02
	iE		50	38
	eL		51	
	E	19	30	
25	eNE	07	24	37
	eL		34	

October

26	eLM	05	19
29	eLM	01	44
30	eL	23	41
	F		51
31	eL	03	26.0
	M		28.1
31	eL	19	48
31	eL	21	06
	M		15

November

02	eL? MN	07	20	53
02	ePZ	15	41	50
	iZ		42	42.4
	iZ		43	40.2
	iZ		43	56.8
	eZ		49	20
	eN		56	35
	eN	16	02	15
02	eL	08	16	
	MN		30	
02	eLN	20	48	
	ME		53	
05	ME	17	33	
05	eL	18	15	
	MN		20	
06	eLN	23	15	

<u>November</u>					<u>December</u>				
08	ePPZ	02	38	27	01	ePZ	15	02	03
	eZ		38	33		iZ		02	18.7
	eZ		38	44		iSN		11	03.0
	eSKS		43	51		eSSE		15	29
	eSKS(b)		44	09		MQN		23.1	
	iSSPZ		54	52.0		MQN		24.5	
	eLE	03	11			MRNE		27	
	MQN		22						
	MQN		24		02	eSN	15	42	37
	MRNEZ		30						
	MRNEZ		35		02	1PKPZ	20	10	57.8
	MRNZ		45			iZ		11	11.0
11	MNE	15	03			iZ		11	27.8
12	eLMN	22	01			iZ		12	27.8
14	eLMN	05	25			iZ		13	42.2
16	eLMN	09	41			i(PKS)Z		14	18.2
17	eLMN	16	34			iZ		15	00.2
17	eSSN	19	58	24		iZ		15	13.4
	eLN	20	12			iNE		15	18.3
	MNE		24.5			eE		15	55
17	ME	22	23			eE		16	24
	ME		25.5			e(SKS)NE		17	(59)
22	eSN	10	36	21		eE		24	16
	eE		37	13		eN		33	19
	eE		44	28		eE		34	59
	eLE		47			eE		38	07
	eLN		50			eLE		49	
	MN		58			(MQ)N	21	03.5	
	ME	11	00.5			(MR)NE		11.5	
	MN		01.0			MN		22.5	
24	MN	14	27.5		04	iPPZN	16	47	44.4
24	e(PKS)N	20	41	37		ipPPZ		48	01.7
	MNE	21	42			iZ		48	42.5
25	eN	17	29	07		eSKSNE		53	09
	eLE		33			eSKS(b)N		54	12
	MN		40			iZ		58	11.3
28	ME	18	06			eLN	17	17	
						MN		27	
						MN		35	
						ME		39	
					05	eLN	22	35	
						ME		39.5	
					09	ePPE	21	57	56
						iSKSE	22	03	42.0
						eSKKSE		04	09
						i(pSKS)E		04	43.5
						eN		06	33
						eN		06	59
						e(SP)E		07	13
						i(PS)E		07	30.8
						eSSN		13	21
						i(SSS)E		17	52.1
						e(L)N		27	
						eLE		33	
						ME		38.5	

December

10	eE	03	15	31
	eE		18	42
	eE		19	47
	eLE		42	
	eLN		45	
	ME		49	
10	iPKPNZ	13	42	13.9
	iN		42	19.8
	ipPKPZ		43	26.5
	eSKPZ		45	27
	eZ		46	17
	e(SKKS)N		51	52
	eN		52	26
	eSKKPZ		53	30
	eN		55	44
	eN		57	24
	eN	14	05	58
	MN		30-32	
14	iPKPZ	02	11	44.8
	iZ		11	53.2
	ipPKPZ		12	46.0
	esPKPZ		13	06
	iZ		14	22.0
	ePPNEZ		14	38
	iPKSNE		15	23.2
	eNE		16	22
	eN		24	32
	eSPZ		24	46
	epSPZ		25	46
	esSPZ		26	11
	eSPPZ		26	33
	ePSPZ		26	58
	eN		27	55
	eN		29	06
	eSSNE		32	24
	esSSNE		33	58
	eN		34	39
	eSSSE		37	26
	eE		55	31
	eLE		59	

D about 15,200 km  
Tonga Islands region

14	ePZ	14	29	03
	iPPZ		32	38.8
	eSKSN		39	47
	iSN		40	22.6
	ipSN		40	47.1
	eLE		59	
	MQ	15	09	
	MR		12.5	

D about 10,300 km  
Southern Mexico

18	eN	08	29	20
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December

18	eLN	16	35	
	MN		45	
22	eE	09	31	28
	eLNE		48.5	
	MN		55	
24	MNE	05	55.5	
24	MNE	17	13	
28	ME	22	46	
29	eN	12	15	53
	eLN		21.5	
	ME		29.5	
29	ME	20	55	
29	MN	23	11	
	ME		14	

Helsinki, 12th February, 1951

H. Harkkoma