

1 Jan 21	1P	01	08	50 C
	1	01	09	17
	ePP	01	12	28
	+1P	01	08	47

+PZ      Micr.      Sec.  
 0.2                      0.8

PZ      0.14

2 Jan	eP	00	58	39
	eS	01	00	14
	+1P	00	58	34
	+1S	01	00	03

2 Jan	1!P	02	30	58
	1PP	02	34	43
	ePS	02	43	30
	ePKKS	02	51	-
	eLR	03	02	-
	+1P	02	30	53
	+1!PP	02	34	37
	+1	02	43	06

+PZ      Micr.      Sec.  
 0.3                      1,0

2 Jan	1P	03	26	12
	1	03	26	34
	1PP	03	29	55
	+iP	03	26	09
	+1	03	29	48
	+1	03	43	52
	+1	03	54	25

2 Jan	e	04	02	04
	1!P	04	02	07 D
	1PP	04	05	56
	1PPP	04	08	01
	e	04	13	22
	eS	04	14	20
	eLR	04	33	-
	+eP	04	02	00
	+ePP	04	05	47

PZ      Micr.      Sec.  
 1,4                      2,0  
 +PZ      2,2                      1,6

2 Jan	1!P	04	16	49 C
	1PP	04	20	35
	1S	04	27	(15)
	+1P	04	16	45
	+1PP	04	20	23

PZ      Micr.      Sec.  
 0.4                      2  
 +PZ      0.1                      1,8

2 Jan	1P	11	02	52
	+1P	11	02	49
	+1	11	03	03

2 Jan	1P!	11	07	59 local
2 Jan	1P	13	00	27
	+iP	13	00	25

			Micr.	Sec.
	+PZ		0.08	0.8
2 Jan	1P	14	16	35 local

2 Jan	1P	20	59	49
	1S	21	00	29
	+1P	20	59	39
	+1S	21	00	07

3 Jan	1P	00	54	20,5 C
	+1P	00	54	19

			Micr.	Sec.
	+PZ		0.13	1,0

3 Jan	1P	07	39	34
	+1P	07	39	35

3 Jan	1!P	12	58	56 C
	1pP	13	00	56
	1PP	13	01	48
	1	13	02	19
	1	13	03	38
	1!S	13	07	33
	1	13	08	20
	1	13	10	20
	1	13	16	44
	1!PKKP	13	19	16
	eSKKS	13	26	30
	e(PPP)	13	29	10
	+iP	12	58	53
	+1pP	13	00	51

			Micr.	Sec.
	PZ		0.5	1,7
	PPZ		11	4

3 Jan	1!P	13	53	58 C
	1	13	54	13
	1	13	56	51
	+1P	13	53	56

			Micr.	Sec.
	PZ		0.14	0.8

3 Jan	1P	15	58	24 local
-------	----	----	----	----------

4 Jan	1P	02	01	32
	+1P	02	01	32

			Micr.	Sec.
	+PZ		0.15	1,0

4 Jan	1P	03	10	33 D
-------	----	----	----	------

5 Jan	1P	08	32	23
	1S	08	33	37
	+1P	08	32	21
	+1S	08	33	28

			Micr.	Sec.
	PZ		0.06	0.8

5-7 Jan Large microseisms  
 mean amplitude am=0.3Micr.  
 mean period tm= 2 Sec.







Date	Time	Mag	Depth (km)	Location	Date	Time	Mag	Depth (km)	Location
20 Jan	1P 1	18 18	19 20	28 C	29 Jan- 2 Feb				Masked by microseisms Tm= 2 sec. am= 0.5 Micr .
22 Jan	e1P 1S 1LR	01 01 01	33 37 39	36 Small	29 Jan	1P	11	05	12blast?
22 Jan	1P 1PP eS e e	11 11 11 11 11	25 27 30 36 37	35 C	29 Jan	1P 1! 1!S	16 16 16	24 24 28	13 D 25 05
	PZ	Micr. 0.15		Sec. 1,4	30 Jan	1(P) 1	15 15	48 49	58 14
22 Jan	1P	15	10	21 local	31 Jan	1P 1S	21 21	35 37	42 53
23 Jan	1P	06	53	39 local	2 Feb	1P	00	31	06 local
23 Jan	1P	15	43	52 local	3 Feb	1P	05	44	55 local
23 Jan	1P 1S	17 17	29 31	49 55	3 Feb	1!P 1!S	12 12	39 40	57 02
	PZ	Micr. 0.03		Sec. 0.5	3 Feb	1P e l eL e	17 17 17 18 18	30 31 57 09 14	03 C 19   -
23 Jan	1P 1	18 18	00 00	20 31	3 Feb	1P	23	10	48
23 Jan	1P	22	07	40	5 Feb	1P 1	04 04	21 22	23 C 33
24 Jan	1P 1 1	01 01 01	16 17 29	02 15 41		PZ	Micr. 0.2		Sec. 1,2
24 Jan	1P	16	00	15	5 Feb	1P	05	02	34
24 Jan	e1P	19	45	04	5 Feb	1P 1S	13 13	59 59	03 local 08
25 Jan	1P	13	06	10 local	5 Feb	1P 1S	15 15	22 23	08 26
25 Jan	1P 1	14 14	39 40	59 58	5 Feb	1P 1S	18 18	55 56	17 36
25 Jan	1p 1	17 17	12 12	17 43	5 Feb	1P 1S	14 14	41 43	57 15
26 Jan	1P 1	09 09	10 10	24 38	5 Feb	iP iS	14 14	54 56	47 05
26 Jan	1P 1S 1	16 16 16	33 36 39	45 C 28 37	6 Feb	1P 1	18 18	33 35	22 Small 38
	PZ	Micr. 0.5		Sec. 2	6 Feb	1P 1 1 e	19 19 18 19	24 26 26 29	30 07 20 50
26 Jan	1P 1S	21 21	45 45	34C local 40	6 Feb	1P 1 1 e	20 20 20 20	44 46 47 56	24 D 22 42 40
27 Jan	1P	00	10	35 local		PZ	Micr. 0,2		Sec- 1,5
27 Jan	1P	12	17	49 C	6 Feb	1P 1 e e	20 20 20 20	26 26 26 28	28 48
27 Jan	1P	14	16	06 C					
28 Jan	1P	05	35	40					
28 Jan	1(P)	08	40	13					
28 Jan	1P	11	35	15					
28 Jan	1P	18	02	31					
28 Jan	1P	23	31	25					



6 Feb	1P	22	38	10	small	16 Feb	1!P	03	02	16 D
	e	22	39	59			1!S	03	02	53,5
	l	22	40	04						
	l	22	41	12		16 Feb	1P	07	37	51
7 Feb	1P	13	01	17		16 Feb	1P	13	12	57
	l	13	02	34		16 Feb	1P	14	23	46 C
7 Feb	1P	15	36	47			PZ	Micr.		Sec.
	l	15	37	27				0.08		0.6
	l	15	38	54		17 Feb	1P	16	06	09
7 Feb	1P	21	55	04		18 Feb	e	07	40	24
	1S	21	57	07		18 Feb	1P	15	00	50
7 Feb	1P	23	48	47		19 Feb	1(P)	05	16	54
	l	23	49	16		19 Feb	1!P	07	46	48
	l	23	51	05			iS	07	48	56
8 Feb	1P	00	36	13		19 Feb	1P	11	58	21
9 Feb	1P	01	41	42		19 Feb	1P	20	11	19
	1S	01	43	22		20 Feb	1P	04	46	02,5 C
9 Feb	1P	13	48	57			l	04	46	20
	l	13	49	09			eS	04	50	08
	l	13	49	50		20 Feb	1P	13	12	05 D
9 Feb	1P	18	15	56		20 Feb	1P	20	32	42
	1!	18	16	02		20 Feb	1P	22	08	46
							l	22	09	07,5 C
							1!	22	09	31
10 Feb	1P	05	57	52	C	20 Feb	e	22	37	58
	l	05	57	59		21 Feb	eP	01	19	12
	l	05	58	13		21 Feb	1P	13	56	23 local
10 Feb	1!P	22	44	48	D		1S	13	56	31
	l(PcP)	22	45	29		21 Feb	1P	14	43	10
	l	22	46	43			l	14	43	40
	eS	22	55	35			e	14	47	20
	PZ	Micr.		Sec.						
		1,3		2,0						
10 Feb	1!P	23	03	46	C					
	l	23	03	47						
	l	23	04	21						
	eS	23	14	10						
	eLR	23	25	45						
	PZ	Micr.		Sec.						
		1,1		2,0						
11 Feb	1P	01	27	25						
	l	01	27	35						
	eS	01	38	06						
	eL	02	03	-						
11 Feb	1P	14	38	22	C					
	l	14	38	36						
11 Feb	1P	18	09	31						
13 Feb	1PKP	00	43	34	C					
	l	00	42	43,5						
13 Feb	1P	02	43	24						
	1S	02	43	51						
15 Feb	e1	18	02	29						

A. Shlanger.



GEOLOGICAL SURVEY  
Ministry of Development  
Hebron Road  
JERUSALEM  
(Israel)

Jerusalem, September 3rd, 1957.

Gentlemen,

We beg to inform you that the Seismological Survey of Israel has been transferred from the Research Council of Israel to the Geological Survey of the Ministry of Development.

Please mail in future, all your correspondence to the following address :

Geomorphology & Quarternary Research Department,  
GEOLOGICAL SURVEY  
Hebron Road  
JERUSALEM (Israel).

Sincerely yours,

*N. Shalem*

Dr. N. Shalem,

Geomorph. & Quat. Research Dept. Director.

NS/OA.



BULLETIN No. 45

April 25th / August 11th, 1957

Jerusalem Provisional Readings

GEOLOGICAL SURVEY  
 Ministry of Development  
 Hebron Road  
 Jerusalem  
ISRAEL

20.8.57

25	April	iP	08	24	18	
"	"	iS	08	25	33	
"	"	iP	11	19	08	
"	"	iP	14	20	50	C
"	"	iP	16	24	42	
"	"	iS	16	25	55	
"	"	iP	21	29	35	
"	"	iS	21	30	35	
26	"	iP	06	35	17	D
"	"	iS	06	36	30	
"	"	iP	15	18	49	
"	"	i	15	20	48	
"	"	iP	16	10	51	
"	"	iS	16	12	05	
27	"	iP	00	22	32	
28	"	i!P	01	36	35	D
"	"	i	01	40	01	
"	"	eS	01	47	30	
"	"	eLR	02	05	-	
"	"	PZ		Micr 0,2	Sec 1,1	
29	"	iP	02	08	04	
"	"	iS	02	08	29	
"	"	iP	21	08	08	
"	"	iP	21	40	47	
"	"	iS	21	42	03	
"	"	i!P	22	00	27	C
"	"	iS	22	01	40	
"	"	PZ		Micr 0,03	Sec 0,4	
1	May	i!P	20	58	45	
"	"	iS	21	00	09	
2	"	i!P	03	06	09	D
"	"	PZ		Micr 0,7	Sec 1,5	
"	"	ePKP <sub>2</sub>	10	54	08	
"	"	i	10	54	55	



2	May	iP	11	42	32	
2	"	iP	11	52	13	
"	"	i	11	55	59	
"	"	e	11	59	30	
"	"	e	12	10	-	
"	"	i!P	14	38	17	Local blast
"	"	iP	16	43	06	
"	"	iS	16	44	18	
"	"	i!P	21	48	25,5	C
"	"	ipP	21	50	34	
"	"	i	21	58	35	
"	"	PZ		Micr 0,25	sec 1,2	
3	"	iP	13	15	05	blast
"	"	iP	14	21	46	
"	"	iS	14	23	00	
"	"	iP	14	55	35	C
4	"	iP	10	29	41	
"	"	i	10	32	54	
"	"	i	10	33	39	
"	"	iP	15	01	18	
5	"	iP	05	13	44	
"	"	iS	05	15	19	
6	"	eP	15	10	18	
"	"	iS	15	14	50	
"	"	eLR	15	16	03	
"	"	iP	21	54	16	
8	"	iPKP	20	28	52	
9	"	iP	09	07	43	
"	"	iS	09	08	56	
"	"	i!P	12	05	59	local
"	"	iS	12	06	03,5	
"	"	i!P	12	21	42	local
10	May	e	12	32	35	
"	"	e	12	33	12	
11	"	iP	01	04	52	
"	"	iS	01	06	29	
12	"	iP	16	19	16	local
"	"	PZ		Micr 0,06	Sec 0,8	
13	"	iP	02	32	04	
"	"	iP	04	35	24	
"	"	iS	04	36	38	
14	"	iP	10	30	33	local
"	"	iP	22	10	33	
"	"	iS	22	11	50	



15	May	iP	01	26	10	small
"	"	i	01	29	29	
16	"	iP	20	21	17	
"	"	iS	20	22	44	
17	"	iP	03	01	40	
"	"	eP	07	59	30	
18	"	iP	05	37	25	
"	"	i	05	37	38	
19	"	iP	20	57	01	
"	"	iP	22	06	58	
"	"	eS	22	13	21	
20	"	iP	20	01	52	
"	"	eS	20	05	32	
21	"	iP	01	25	08	
"	"	i(pP)	01	25	35	
"	"	iPP	01	28	57	
"	"	i(s)	01	35	34	
"	"	i	01	37	27	
"	"	iP	11	48	23	
"	"	eS	11	51	41	
"	"	iP	12	58	25	local
"	"	iP	13	27	25	
"	"	iS	13	29	48	
"	"	e	13	32	04	
22	"	iP	13	43	06	
"	"	i	13	43	11	short period phase
"	"	i	13	46	15	
"	"	e	13	55	36	
"	"	iP	15	03	00	local
"	"	iP	18	41	08	
23	"	eP	08	03	49	
24	"	e	03	55	05	
"	"	iP	04	04	58	
"	"	iS	04	07	26	
"	"	eP	15	19	38	
"	"	i	15	20	25	
26	"	iP	06	35	51	C
"	"	iS	06	38	19	
"	"	PZ		Micr 26	Sec 4	
"	"	iP	08	57	05	
"	"	iS	08	59	32	
"	"	PZ		Micr 0,1	Sec 0,9	



26	May	iP	09		42		55	
"	"	iS			45		23	
"	"	PZ		Micr 0,14		Sec 0,5		
27	"	iP	07		07		24	
"	"	iS	07		09		54	
"	"	iP	11		03		47	
"	"	i	11		03		54	
"	"	i	11		05		50	
"	"	iS	11		06		17	
"	"	PZ		Micr 10		Sec 2,0		
28	"	iP	00		12		07	
"	"	i	00		14		38	
"	"	iP	02		52		42	small
"	"	i(s)	02		54		10	
"	"	iP	05		36		02	
"	"	iP	06		00		47	
29	"	iP	10		05		49	
"	"	i	10		06		16	
"	"	i	10		08		15	
"	"	iP	10		20		05	
"	"	i	10		24		33	
"	"	i!P	18		41		59	C
"	"	iS	18		43		56	
"	"	PZ		Micr 0,3		Sec 0,7		
30	"	e	00		38		44	
"	"	i	00		43		34	
"	"	iP	14		32		10	
"	"	iP	20		00		53	
"	"	PZ		Micr 0,4		Sec 2,0		
"	"	iP	21		17		05	
"	"	i	21		19		21	
"	"	iP	23		17		19	
31	"	iPKP	02		34		00	
"	"	i	02		34		17	
"	"	i!P	22		30		32	
"	"	iPP	22		34		14	
"	"	i	22		41		28	
1	June	iP	05		29		11	
"	"	iS	05		31		41	
1	"	iP	21		10		33	
"	"	iS	21		13		03	
2	"	iP	01		14		17	



2	June	iS	01	16	47	
"	"	iP	21	34	20	
4	June	iPKP	17	23	44	D
"	"	i(pPKP)	17	26	34	
"	"	i	17	32	16	
5	"	iP	09	22	15	
"	"	i	09	25	21	
"	"	eP	14	10	18	
"	"	e	14	20	39	
7	"	iP	02	59	45	
8	"	iPKP	17	31	53	
"	"	i	17	32	26	
"	"	i	17	38	56	
10	"	iP	02	44	05	
"	"	iP	04	51	52	
"	"	e(s)	04	56	32	
11	June	iP	04	17	13	
11	June	iP	05	03	17	
"	"	iPKP	15	09	31	
"	"	iPKS	15	13	01	
"	"	i	15	21	30	
"	"	i	15	23	27	
"	"	iP	19	01	20	
"	"	ipP	19	02	03	
"	"	e	19	11	06	
12	June	iP	08	40	34	
13	"	iP	10	53	51	
"	"	iPP	10	57	33	
"	"	eiS	11	04	45	
14	"	iP	06	37	30	
15	"	iP	00	55	19	
"	"	e	01	05	33	
"	"	eL	01	17	-	
16	"	iP	12	23	12	
"	"	iP	14	33	15	local
17	"	i(P)	12	40	04	
"	"	i	06	36	34	
"	"	i!PKP	06	36	38	D
"	"	i	06	37	04	
"	"	PKPZ		Micr 0,5	Sec 1,5	
18	June	iP	02	22	07	C
"	"	i!	02	22	25	



18	June	eL	02		46		-	
"	"	PZ		Micr 1		Sec 1,8		
"	"	iP	07		06		19	
"	"	iP	14		58		14	
"	"	PZ		Micr 0,7		Sec 1,5		
19	"	iPKP	01		49		37	D
"	"	i	01		49		55	
"	"	eP	08		21		02	
"	"	iP	15		43		08	local
20	"	iP	15		59		52	local
"	"	iP	16		25		06	
21	"	iP	18		50		43	
"	"	i!	18		50		56	
"	"	iP	23		30		35	
"	"	e	23		31		23	
22	"	ePKP	06		37		05	
"	"	e	06		38		39	
23	"	iP	16		31		27	local
"	"	iP	19		54		41	
"	"	eP	20		24		(28)	small
"	"	i	20		26		11	
"	"	eL	20		30		08	
24	"	ePKP	10		21		41	
"	"	e	10		34		01	
25	"	iP	04		03		15	near
"	"	iS	04		03		44	
"	"	iP	10		20		16	
"	"	i!P	17		36		44	local
26	"	iP	03		51		04	small
"	"	i	03		53		32	
"	"	iP	04		57		55	
"	"	i	04		58		05	
27	"	i!P	00		19		48	C
"	"	iPP	00		22		13	
"	"	i!!PPP	00		23		35	
"	"	i	00		25		06	
"	"	iS	00		28		17	
"	"	eLR	00		36		-	
"	"	PZ		Micr 6		Sec 3,0		
28	"	iP	18		00		23	
"	"	iP	21		29		47	



29	June	iP	08		01	40	
"	"	i	08		05	34	
1	July	iP	16		55	45	local
"	"	iP	19		39	27	D
"	"	ipP	19		39	46	
"	"	iPP	19		41	36	
"	"	iPcS	19		45	28	
"	"	eS	19		46	48	
"	"	eL	19		55	28	
"	"	e	19		59	-	
"	"	PZ		Micr 1,0		Sec 1,5	
2	"	i!P	00		46	01	D
"	"	i!S	00		49	05	
"	"	eLR	00		50	31	
"	"	PZ		Micr 38		Sec 5	
"	"	iP	04		59	48	
"	"	i	04		04	35	
3	"	iP	02		00	10	
"	"	iPKP1	06		21	28	
"	"	iPKP2	06		21	33	
4	"	iP	08		55	51	
"	"	iP	08		40	25	D
"	"	ipP	08		40	45	
"	"	iP	15		32	00	local
6	"	iP	14		06	39	
"	"	iS	14		07	57	
"	"	iP	17		54	52	small
7	"	iPKP	16		30	10	
"	"	iPP	16		31	31	
10	"	iP	20		16	24	local
12	"	eP	22		24	13	
13	"	iPKP	09		51	29	
14	"	iPKP	08		30	02	C
"	"	i	08		33	05	
"	"	PKPZ		Micr 0,7		Sec 1,5	
"	"	iPKP	10		01	48	
"	"	i	10		01	59	
"	"	iP	15		58	05	near
"	"	iS	15		58	41	
"	"	iP	16		06	40	
16	"	iP	17		09	32	



17	July	iPKP	11	29	25	
"	"	i	11	29	57	
"	"	i!PP	11	31	45	
"	"	i	11	33	36	
17	"	iP	14	51	57	D local
"	"	iP	16	29	10	
"	"	iP	18	49	44	
18	"	i!P	08	34	22	D
"	"	i!S	08	34	46	
"	"	PZ		Micr 2	Sec 0,6	
"	"	<u>Safed</u> :	i!P	08	34	09
"	"		i!S	08	34	22
M = 4 1/2						
Felt in Jerusalem with intensity 2-3 Focus 80 kms NW of Haifa						
19	"	iP	13	13	53	
"	"	ipP	13	14	17	
"	"	iP	16	57	55	
"	"	i(s)	16	59	36	
20	"	i!P	05	28	08	
"	"	i!S	05	29	34	
"	"	iPKP	15	58	47	
21	"	eP	15	11	36	
"	"	i	15	13	59	
"	"	eP	19	56	54	
22	"	ePKP	06	36	47	
"	"	i!	06	36	55	
"	"	i	06	41	52	
23	"	iP	00	58	25	
"	"	eS	01	09	47	
"	"	e(PS)	01	11	01	
"	"	iP	13	49	11	
25	"	iP	07	55	40	
"	"	iP	14	18	00	local
"	"	iS	14	18	04,5	
26	"	iPKP	07	09	32	
27	"	iP	15	05	25	
28	"	eP	08	55	13	
"	"	ePKP	08	58	45	
"	"	iPP	08	59	46	
"	"	i	09	04	00	
"	"	i!PKKP	09	09	39	



28	July	i	09	10	58	
"	"	e	09	19	35	
"	"	09	09	33	-	
disturbance continues for two hours						
29	"	iP	01	20	40	near
"	"	iS	01	21	26	
"	"	iP	16	35	52	
"	"	i	16	36	42	
30	"	iP	17	34	04	
"	"	iS	17	44	40	
31	"	iP	01	46	03	
"	"	iS	01	49	29	
3	August	iP	08	35	46	
5	"	iP	00	20	52	
"	"	eLR	00	47	-	
7	"	iP	20	59	35	
8	"	iP	02	14	17	near
"	"	iS	02	15	45	
11	"	iP	00	39	38	
"	"	iP	00	12	27	
"	"	i	00	14	20	
"	"	eP	18	57	36	
"	"	e	19	00	12	

A. Schlanger,  
Seismologist.



GEOLOGICAL SURVEY  
Ministry of Development  
Hebron Road  
JERUSALEM  
(Israel)



Jerusalem, September 3rd, 1957.

Gentlemen,

We beg to inform you that the Seismological Survey of Israel has been transferred from the Research Council of Israel to the Geological Survey of the Ministry of Development.

Please mail in future, all your correspondence to the following address :

Geomorphology & Quarternary Research Department,  
GEOLOGICAL SURVEY  
Hebron Road  
JERUSALEM (Israel).

Sincerely yours,

*N. Shalem*

Dr. N. Shalem,

Geomorph. & Quat. Research Dept. Director.

NS/OA.





GEOLOGICAL SURVEY  
 Ministry of Development  
 Hebron Road  
 JERUSALEM  
 ISRAEL  
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Bulletin No. 46  
 August 13 / October 15  
 Jerusalem Provisional Readings  
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additional : 5.5.57							25.9.57
		iP	19		30		03
		i	19		32		25
		i	19		32		47
continuation:							
Aug.	13	iP	14		30	36	local
		iS	14		30	41	
	13	iP	16		02	45	D
	14	iP	02		46	12	
		iS	02		47	29	
		PZ		Micr 0.05			Sec 0.8
	14	iP	05		16	31	
		iS	05		17	49	
	14	iP	03		13	09	
		iS	03		14	27	
	14	iP	08		46	44	
		iS	08		48	01	
	14	iP	09		49	22	small
		iS	09		50	39	
	14	i	18		46	19	
		iPKP!	18		46	24	
		i	18		47	19	
		PKPZ		Micr 0.3			Sec 1,2
	14	iP	20		12	47	C
	15	iP	14		12	43	local
	15	iP	21		03	14	
		i	21		06	05	
		i	21		09	21	
	16	iP	10		41	20	local
		iS	10		41	25	
	16	iP	13		21	55	
		iS	13		22	11	
	16	ePKP	23		50	55	small
		e	23		52	14	
		e	23		02	20	
	17	iP	07		55	14	very small
		i	07		57	13	
	18	iP	03		23	10	
		iS	03		24	29	



Aug.	18	eP	06	54	06	
	18	iP	08	49	26	D
		iPPP	08	54	20	
		iPPS	09	00	40	
		eL	09	19	-	
		PZ	Micr 0.14	Sec 1,5		
	18	i!P	21	55	00	D
		ePPP	22	00	15	
		e	22	15	40	
		MZ	22	39	-	
		PZ	Micr 0.3	Sec 1,0		
	19	iP	07	25	33	
		iS	07	29	30	
	19	iP	21	45	16	
	20	iP	15	27	00	
	20	iP	22	40	48	
		ipP	22	40	55	
	20	i	23	17	28	
	21	iP	15	46	15	C
	21	e	17	58	26	
	21	eP	19	44	24	
		i	19	44	40	
	22	iP	08	08	10	
	22	iP	08	50	08	D
	22	iPKP	17	02	51	
		e	17	06	12	
	22	iP	17	08	12	
		iS	17	13	48	
		i	17	17	11	
	23	iP	01	44	49	
	25	iP	21	24	13	
	26	iP	02	11	01	
		iS	02	12	19	
	26	ePKP	11	46	43	
		i!	11	47	44	
		MLR	12	36	-	
	26	iP	13	31	30	
	26	iP	13	47	37	
	26	MLR	15	15	-	
	26	iP	15	36	34	local
		iS	16	36	46	
	26	iP	17	25	03	
	27	eP	11	59	42	small



Aug.	27	iPKP	21	17	04	
		i(pPKP)	21	19	21	
	28	iP	08	39	11	
		i	08	39	23	
	28	iP	10	10	15	local
	28	iP	12	06	19	
	28	iP	13	27	21	local
	29	iP	14	21	27	
		i	14	23	40	
	30	iP	16	24	19	
		iP	17	06	05	
		iP	20	15	52	
	31	iP	01	50	54	
		i	01	51	35	
		i	01	53	16	
31	iP	11	59	33		
	i	12	01	36		
Sept.	1	iP	02	57	13	local
		iS	02	57	25	
	1	iP	03	03	14	local
		iS	03	03	26	
	1	iP	12	56	29	
	1	iP	12	59	52	local
	1	iP	13	12	37	local
	2	iP	03	45	18	
		ePKP <sub>2</sub>	10	06	15	
	2	i	10	07	19	
		iP	14	33	34	C
	2	i	14	33	51	
		iP	21	33	26	
	2	ipP	21	34	39	
		3	iP	14	59	04
i	14		59	1?		
3	PZ					
		Micr 0.06		Sec 0.7		
3	i	20	48	20		
	i	20	49	24		
	i(PP)	20	51	11		
	i	20	56	21		
4	iP	08	12	49		
	i	08	13	10		
5	iP	11	39	58		
	iPP	11	40	43		
	iPPP	11	42	18		
	eS	11	44	12		
	eLR	11	47	28		
	i	11	48	51		
	PZ					
	Micr 0.02		Sec 0.6			



Sept.								
6	i		01		48	19	C	
		Micr 0.01						Sec 0,5
6	iP		12		18	27	local	
	iP		12		29	49	local	
	iP		12		36	23	local	
6	iP		17		48	09		
	iPP		17		50	21		
6	iP		20		25	46		
	iPP		20		27	43		
	i		20		30	35		
7	i		05		59	48		
7	i!PKP		07		01	03		
7	iP		10		19	57		
7	iP		17		41	12		
	iS		17		42	06		
	PZ	Micr 0.02						Sec 0,4
8	iP		13		05	53	local	
9	iP		09		20	10		
	i		09		20	40		
	i		09		21	14		
	i		09		23	45		
	PZ	Micr 0.9						Sec 2,7
10	iP		00		23	55		
11	iP		15		27	16	local	
	iS		15		27	24		
11	eP		17		38	49		
	e		17		40	12		
	i		17		41	17		
11	i		23		42	01		
	iPKP <sub>1</sub>		23		42	07		
	i!		23		42	17		
	PKP <sub>1Z</sub>	Micr 0.3						Sec 1,4
12	iP		00		43	42		
	iPP		00		45	12		
12	iP		01		01	43		
12	iP		17		23	25		
	iS		17		24	35		
	PZ	Micr 0.02						Sec 0,5
13	iP		22		40	50		
	iPP		22		42	14		
15	iP		04		34	06	C	
	i!		04		34	08		
	i		04		35	45		
	PZ	Micr 0.15						Sec 0,4



Sept.							
16	e		18		04	49	
17	e		20		24	57	
	i		20		27	16	
17	iP		22		28	18	local
18	iP		01		11	52	
	i		01		12	02	
18	iP		20		55	45	local
19	iP		13		41	40	local
19	iPKS		17		21	37	C
	Z	Micr 0,07 M = 6		Sec 1,0			
20	iP		08		37	50	
20	iP		11		48	58	local
20	iP		18		51	40	
	iS		18		52	33	
20	iP		19		06	20	
20	iP		22		22	17	
	i		22		23	45	
21	iP		15		29	25	
	iS		15		30	23	
21	iP		20		19	05	
	iS		20		21	09	
	PZ	Micr 0.1		Sec 1,0			
22	iP		19		07	00	local
22	iP		20		00	09	
23	iP		08		14	52	
23	iP		19		04	03	
	PZ	Micr 0.1		Sec 1,4			
24	iP		02		04	28	
	i		02		04	34	
	PZ	Micr 0.1		Sec 1,5			
24	iP		08		12	10	
	iPP		08		12	25	
	iS		08		12	51	
	PZ	Micr 0.03		Sec 0,5			
24	iP		08		34	02	
	iS		08		44	57	
	e		08		47	27	
	e		08		51	17	
	eL		08		59	-	
	MLR		09		15	-	
25	iP		02		00	51	



Sept	25	iP		06		01	10	
	25	eP		06		35	05	
		e		06		37	11	
	25	iP		10		27	53	local
	25	iP		15		40	23	
	25	iP		16		42	23	
	25	iP		16		49	30	
	25	iP		22		30	00	
	25	iP		23		46	28	
	26	iP		02		45	00	
	26	iP		10		48	53	local
		iS		10		48	59	
	26	iPKP!	Micr	12	Sec	22	27	
		PKPZ	0,3		1			
	26	iP		18		59	37	D
		i	Micr	18	Sec	59	37	
		PZ	0.3		1,8			
	26	iP		20		40	00	
	27	iP		04		21	38	
		i		04		21	59	
		i		04		22	55	
		i		04		25	34	
	28	iP		00		39	12	
		i		00		39	35	
		i P		00		40	53	
		p						
	28	iPKP <sub>1</sub>		14		38	38	C
		iPKP <sub>2</sub>		14		39	23	
		ipPKP <sub>1</sub>		14		41	00	
		iPKS <sub>1</sub>		14		41	57	
		i		14		44	23	
		iSKS		14		45	51	
		i!		14		52	57	
		e		14		57	16	
		PKP <sub>1</sub> Z	Micr		Sec			
			0.3		0.8			
	28	iPKP		15		02	49	
	29	iP		08		32	02	
		iS		08		34	21	
	29	iP		12		37	14	local
	29	iP		15		23	43	local
	29	iP		15		35	14	local
October	2	i!P		00		79	37	
		iS	Micr	00	Sec	48	53	
		PZ	0.07		0.5			



Month	Day	Station	Time	Scale	Time	Time	Time	Notes
October	2	e	12		41	06		
		i	12		41	12		
		Z		Micr 0.3	Sec 2			
	2	iP	13		13	16		
		e(S)	13		19	06		
		eLR	13		21	24		
	2	iP	20		56	02		
		i	20		56	11		
	2	iP	21		07	46		
		i!	21		07	54		
	4	iPKP	01		20	12		C
		i	01		20	16		
		PKPZ		Micr 0.05	Sec 0,5			
	4	iP	05		39	16		D
		i	05		39	48		
		eS	05		50	23		
		e	05		51	36		
		PZ		Micr 0.6	Sec 2,1			
	4	iP	22		50	19		
		iS	22		51	01		
	5	iP	05		31	19		
	5	iP	07		58	16		
	5	i(P)	07		21	02		small
		i(PP)	07		23	49		
	5	i!	11		45	51		T=0,6sec
		i	11		48	03		T=0,5sec
	5	iP	11		38	40		
		iS	11		40	02		
		PZ		Micr 0.16	Sec 1.0			
	5	iP	15		53	42		
		iS	15		55	04		
	5	i(PKP)	21		40	18		D
		i	21		40	44		
	5	e	23		30	17		
	6	iP	00		32	10		
		i	00		33	29		
	7	iP	01		02	26		small
		i	01		04	17		
	7	i!P	13		32	20		
		i!	13		32	31		
		i	13		33	05		T=0,5sec
		PZ		Micr 0.6	Sec 2,1			
	7	iPKP1	17		07	28		C
		iPKP2	17		07	32		
		i	17		09	56		
		PKP1Z		Micr 0.06	sec 0,5			



October	9	iP		20		07	18	
		iS		20		08	17	
	10	iPKP	Micr	04		05	34	C
		PKPZ	0.04		Sec			
					0,6			
	11	iP		18		47	57	
		i		18		49	11	
		i		18		52	06	
		i		18		53	29	
		i(s)		18		53	51	
	11	iP		19		08	56	
		e		19		14	43	
	12	i		19		09	29	D
		i!		19		09	46	
	13	iP		04		31	50	
		i		04		31	52	C
		PZ	Micr		Sec			
			0,1		1,0			
	13	iP		14		33	41	local
	13	iP		19		06	26	
		i		19		07	06	
	14	iP		15		47	38	
		i		15		47	49	
	14	iP		21		21	18	
		iS		21		22	05	
		i!		21		22	22	
		PZ	Micr		Sec			
			0.14		0,5			
	15	iP		01		29	25	
		i		01		30	58	
	15	iP		04		37	20	
	15	i		06		15	04	C
	15	iP		14		50	20	local
	15	iP		15		03	24	local
	16	iP		10		10	04	local
	16	iP		10		30	51	
		PZ	Micr		Sec			
			0.02		0,4			

A. Schlanger,  
Seismologist.



GEOLOGICAL SURVEY  
(Ministry of Development)

Geomorphological & Quaternary Department  
Hebron Road  
JERUSALEM  
Israel  
- - - -

Bulletin No. 47  
October 16/November 26

10.12.57

October	16	iP	13		15		35
		iS	13		15		40
				M=1,4			
	18	iP	01		53		52
	19	iP	03		17		09
		i	03		18		03
	19	eP	06		33		52
		i	06		34		52
	19	iP	18		40		38
		i	18		41		01
		ePP	18		45		29
		MLR	19		18		-
				Micr		Sec	
		PZ		0,2		1,2	
	20	iP	12		16		00
		ePP	12		18		48
		eLR	12		41		-
	20/21			microseisms from 20/10		13 00	
				to 21/10		07 00	
				mean Amplitude		A = 0,14 Micr	
				" Period		T = 2,0 Sec	
	21	eP	14		13		26
				local			
	22	iP	09		59		46
				local			
	22	iP	2 0		57		01
		i	20		57		14
	23	eP	06		10		07
				Micr		Sec	
		PZ		0.05		0,8	
	23	iP	14		35		00
	24	iP	02		35		32
		i!	02		35		35
		iS	02		37		08
		i	02		38		42
	24	iP	09		26		16
		i!	09		26		20
		e	09		28		27
				Micr		Sec	
		PZ		0,17		0.4	
	24	iP	11		26		23
				local			
	24	iP	11		47		10
				local			
	24	iP	12		35		26
				local			
	24	iP	12		43		37
				local			
	24	eP	12		54		42
				local			



October	24	iP	21	08	06		
	25	iP	02	21	15		
	25	iP	06	30	55		
	25	iP	07	43	43		
		e	07	45	24		
		eS	07	48	29		
	25	iP	10	15	58		
		e	10	22	55		
		eS	10	26	17		
		eL	10	36	-		
		PZ		Micr 0.8	Sec 2		
	25	iP	10	34	06		D
		iS	10	34	16		
				d= 80 km M =2,5			
	25	iP	22	56	42		D
		e	22	57	23		
		PZ		Micr 0.07	Sec 1		
	26	iP	04	44	06		
		PZ		Micr 0.07	Sec 1		
	26	iPKP	08	44	56		
		i!	08	45	00		
		i	08	46	30		
		i	08	47	20		
		PKPZ		Micr 0.3	Sec 1.0		
	26	iP	14	29	27		
		i!	14	29	29		
		i	14	32	42		
		PZ		Micr 0.2	Sec 1		
	27	iP	22	26	48		
				local			
	27	iP	22	44	40		D
		i	22	48	36		
		PZ		Micr 0.6	Sec 1,5		
	29	iP	00	21	32		
	29	iP	02	34	02		
	29	iP	04	09	21		
	30	iP	01	44	52		
		iS	01	46	15		
		iT	01	51	57		
	30	iP	02	57	49		
	30	iP	07	32	05		D
		iS	07	33	24		
		iT	07	38	53		
		TZ		Micr 0.05	Sec 0.5		
	30	iP	11	49	59		
		i	11	52	21		
	30	iP	18	05	42		
		iS	18	07	07		
	30	iP	18	23	41		
		iS	18	25	05		
	30	iP	20	35	52		
		iS	20	37	14		
	31	iP	02	49	15		
		i!	02	49	35		



November	1	iP	20	59	04	
		e	21	00	18	
	2	iP	05	35	58	
		iS	05	37	09	
	2	eP	16	29	51	
	3	iP	01	03	29	C
		iS	01	03	46	
				D=140 km		
				M = 2,5 , Foreshock		
	3	iP!	09	56	59	C
		i!S	09	57	16	
				D=140 km		
				M=4,5-5		
				felt in Israel : Jerusalem INT III-IV		
	4	iP	12	05	55	
		i	12	07	07	
	4	iP	00	24	15	
		iS	00	24	33	
				M=1,5 - after shock		
	4	iP	12	55	47	
				local		
	4	iP	17	01	32	
		iS	17	01	50	
				Aftershock		
	5	iP	11	42	38	
				local		
	6	iP	00	36	05	small
		iS	00	37	35	
	6	iP	13	25	36	
		PZ		Micr 0.04	Sec 0.6	
	6	iP	21	05	10	
		e	21	05	38	
	6	iP	22	02	02	
		i	22	03	21	
	7	iP	22	23	22	
		e	22	23	52	
		i(s)	22	25	58	
	8	iP	08	08	15	
		iS	08	09	38	
	8	eP	12	29	29	
				local		
	8	iP	18	18	41	
		iS	18	20	81	
	9	iP	23	58	57	
		i	00	01	15	
	10	eP	02	55	17	
		e	02	57	29	
	10	e	04	04	07	
	10	iP	06	07	09	
				local		
	10	iPKP	05	48	10	
		L	05	48	19	
				Micr 0.15	Sec 1,6	
	10	iP	19	32	33	
	10	iP	18	14	08	



November	11	iP	03			22	small
		i	03		29	23	
	11	iP	18		32	55	
		i	18		34	19	
	11	iP	21		44	22	small
	12	iP	00		39	56	
	12	iP	21		58	00	
		iS	21		58	41	
	12	iP	22		03	11	
		iS	23		03	52	
	13	iPKP	17		42	31	
		i!	17		42	39 C	
		i	17		43	08	
		PZ		Micr 0.5		Sec 2,0	
	14	iP	14		20	08	
	14	iP	10		42	48	
		iS	10		44	09	
	14	iP	11		37	14	
				local			
	14	iP	11		45	05	
				local			
	15	iP	08		05	01	
		i	08		05	23	
	15	eP	16		42	56	
		e	16		49	44	
		PZ		Micr 0,2		Sec 1,6	
	15	e	17		04	(35)	
	16	iP	09		56	54	
		iS	09		58	13	
	17	iP	20		26	16	
		iS	20		27	35	
	18	iP	03		04	59	
		i	03		08	53	
		i	03		10	54	
	19	i!	16		25	49	
		PZ		Micr 0.3		Sec 1,0	
	19	iP	20		09	43	
		iS	20		11	07	
	21	iP	07		42	01	local
	22	iP	14		35	11	
	24	iP	14		05	30	local
		PZ		Micr 0.01		Sec 0.5	
	25	iP	22		47	20	
		i	22		50	35	
		eS	22		57	43	
		MZ	23		28	-	
		PZ		Micr 0.8		Sec 2,0	
	26	iP	05		22	22 D	
		i	05		33	52 D	
		PZ		Micr 1,6		Sec 3,0	



MICROSEISMS

November

	00h		06h		12 h		18 h	
	A(microns)	T(sec)	A(Microns)	T (sec)	A(Microns)	T(sec)	A(micr.)	T(sec)
5	-----		-----		-----		0.12	2,0
6	0.06	2,0	0,12	2,0	0.15	2,0	0.15	2,0
7	0.06	2,0	0.06	2,0	0.06	2,0	0.03	2,0
8	-----		-----		-----		-----	
9	-----		-----		-----		-----	
10	-----		-----		-----		-----	
11	-----		-----		-----		-----	
12	-----		-----		-----		-----	
13	-----		-----		-----		0.07	3,0
14	0.04	2,5	0.04	2,5	0.04	2,5	0.03	1,5
15	0.03	1,5	0.03	1,5	0.06	2	0.07	2,5
16	0.03	1,5	0.06	2	0.06	2	0.06	2
17	0.06	2	0.06	2	0.06	2	0.06	2
18	0.06	2	0.04	1,5	-----		-----	
19	-----		-----		-----		-----	
20	-----		-----		-----		-----	
21	-----		-----		-----		-----	
22	-----		-----		-----		0,06	2
23	0.06	2	0.07	2	0.03	2	-----	
24	-----		-----		-----		-----	
25	0.04	2	0.06	2	0.06	2	-----	

A. Shlanger,  
Seismologist.





GEOLOGICAL SURVEY  
(Ministry of Development)

Geomorphological & Quaternary Department  
Hebron Road  
JERUSALEM  
ISRAEL

Bulletin No. 48

November 26, 1957/~~January 9, 1958.~~  
DEC 1957

					15.1.58.	
November 26	iP	08	18	05		
	iS	08	20	28		
26	iP	11	52	44		
	iS	11	55	06		
27	iP	03	10	44		
	iS	03	13	06		
28	iP	05	10	49		
	iS	05	13	08		
28	iPKP	21	09	46		
	e	21	12	19		
29	iP	01	00	01		
29	eP	22	34	00		
	ipP	22	35	00		
	iPKP	22	37	32		
	i	22	38	07		
	i!PP	22	38	38		
	i!pPP	22	39	34		
	i!	22	47	53		
	i	22	48	16		
	PPZ				Micr	Sec
					10	4
	pPPZ				70	6
29	iP	18	05	19		
	iS	18	05	37		
30	iP	22	06	45		
December 1	iP	01	15	12		
	i(s)	01	21	19		
4	i!P	03	47	01		
	iPP	03	49	00		
	iS	03	54	26		
	eL	03	58	57		
	eLR	03	59	57		
	PZ				Micr	Sec
					5	2,0
5	iP	13	57	15		
	iS	13	58	33		
5	iP	19	44	53		
	iS	19	46	11		
	PZ				Micr	Sec
					0.07	1,0

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December	5	iP	23	44	08			
		is	23	44	49			
	6	iP	00	13	39			
		iS	00	15	36			
		iT	00	20	31			
	6	i!P	03	02	02	c		
	6	i!P	21	33	13		Micr	Sec
		PZ					0.05	0.5
	9	iP	01	20	13			
	10	iP	14	54	33			
		e	14	56	12			
		e	15	06	40			
	11	iP	15	00	23			
	11	iP	18	23	55			
	11	iP	22	04	23			
		PZ					Micr	Sec
							0.04	1.0
	12	iP	18	57	37			
		i(s)	18	59	32			
	13	i	01	47	36			
		i!P	01	47	42			
		i	01	48	15			
		eiS	01	49	41			
		iLR	01	50	06			
		PZ					Micr	Sec
							3	2.0
	13	i	02	15	23			
	13	ip	03	20	17			
		eS	03	22	19			
		eLR	03	22	51			
	13	iP	17	57	37	c		
		iS	17	57	47			
	14	iP	00	22	16			
		i	00	25	05			
		i	00	25	29			
	14	iP	12	12	25			
		i	12	14	40			
	14	iP	15	10	59			
		is	15	11	18			
	14	e	22	04	07			
		e	22	04	42			
		e(s)	22	06	37			
	15	e	03	32	50			
		i	03	33	13			
	15	iP	18	33	20	small		
		i	18	34	57			
		i(s)	18	35	45			
	16	eP	17	33	09			
		i	17	34	13			
		is	17	36	29			
		i	17	36	42			



December 16	iP	23	08	10			
	i	23	09	09			
	i!	23	09	52			
	i	23	10	48			
	iS	23	11	29			
17	iP	04	22	(39)			
	i	04	24	47			
17	iP	05	22	40			
	i	05	22	53			
	e	05	27	54			
	e(s)	05	33	30			
	e	05	43	50			
	MLR	06	08	-			
	MLR					Micr	Sec
						35	16.0
17	i!P	14	09	20			
	i	14	09	53			
	i	14	11	46			
	i	14	12	15			
	i	14	35	46			
	PZ					Micr	Sec
						0.6	1.0
17	iP	16	36	05	small		
	i	16	38	32			
18	iP	03	33	54			
18	iP	12	14	39			
18	iP	13	25	43			
	iS	13	28	10			
18	e	13	45	03			
19	iP	16	01	49			
	i	16	09	29			
	i	16	12	21			
22	iP	14	09	59			
22	i	21	57	21			
	i	21	58	26			
23	iP	00	46	31			
23	iP	12	43	58			
23	iP	14	34	26	D		
	is	14	34	45			
	PZ					Micr	Sec
						0.2	0.7
23	iP	19	41	26			
23	iP	21	39	07			
	iS	21	40	28			
24	iP	12	13	11			
	is	12	14	44			
	PZ					Micr	Sec
						0.02	0.4
25	iP	11	30	10			
	i	11	31	56			
	i	11	35	40			



December 25	iP	15	55	35			
	iS	15	55	42			
25	iP	16	39	12			
25	iP	20	43	58			
	i	20	46	01			
26	iP	12	29	02		C	
	i!	12	29	08			
26	i	15	04	05			
	i!P	15	04	08			
	i	15	06	35			
	PZ						Micr 0.4 .    Sec 1.0
27	e	16	31	48			
	i	16	32	50			
28	i!(PKP)	19	21	20		C	
	i	19	21	28			
	PZ						Micr 0.3        Sec 1,7
29	iP	03	31	42		small	
29	iP	13	31	59			
	i	13	33	12			
29	iP	23	01	28			
	iS	23	02	07			
30	iP	02	01	38		D	
	PZ						Micr 0.05        Sec 0.5
31	iP	14	47	46			
	iS	14	50	43			
	PZ						Micr 0.3        Sec 1,7