

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California

1961 Dec 22 — January 3, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



ditional:

c. 16	iP	10	11	22
✓ 23	iP	19	23	43
ntinuation:				
c. 22	i	22	59	23
1 24	iP	07	02	18
1 24	iP	14	34	54
	iS		42	22
	iSS		46	14
	iG		48.5	
	eR		51.8	
	Distance	56°		
24	iP	23	55	53
	i		56	09
	iS	24	06	10
	eSS		11.5	
	eSSS		15.1	
	eG		17.9	
	eR		22.9	
	Distance	85°		
25	iP	14	07	18
	Dilatation			
	i	14	07	22
	eG		26.9	
	eR		31.3	
26	i(P)	04	43	02
	i		45	06
	e		56	24
26	eP	06	37	42
	i		38	22
	ePP		41	55
	ePKKP		52	55
	eSS	07	02.4	
	eG		08.9	
	Distance	110°		
	Interpretation doubtful, two shocks?			
(28)	eP	00	01	36
	ePP		05	31
	eSKS		12	10
	iS		13	04
	ePS		14.4	
	iPPS		15.5	
	eSS		19.3	
	iG		27.7	
	eR		32.2	
2	Distance	99°		
	Magnitude	6 ³ / ₄		
		mu	sec	
	MH	19	20	
	MZ	17	20	

Dec. 29	eP	00	08	25
	eSKS		18	40
	eS		19	18
	ePS		20	20
	eG		30.9	
	eR		34.3	
	Distance	89°		
29	iP	10	13	38
	e		14	16
29	eP	14	58	00
	ePP		59	32
	eS	15	04	34
	eG		07.4	
	eScS		08.1	
	eR		10.2	
	Distance	43°		
(30)	iP	00	48	06
	iPP		50	01
6	iS		55	08
	iSS		58	57
	eL		01	00.0
	Distance	53°		
	Magnitude	6 ³ / ₄		
		mu	sec	
	PZ	5	3	
	PPZ	7	5	
	SH	10	12	
	MH	50	20	
30	iP	09	01	56
30	iP	09	11	32
	i			45
30	iP	09	25	55
30	iP	10	23	19
30	iP	16	50	35
	i			43
	eS		57	42
30	iP	19	17	27
30	eP	23	31	03
31	eP	16	03	28
	eS		10	32
31	e(S?)	18	02.5	
	eL		05.9	
31	iP	18	08	55

KEW
OBSERVATORY
10 JAN 1962
RICHMOND,
Violet G. Taylor
Seismological Assistant

63 ✓

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
January 17, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



International
Seismological
Centre

Correction:

Dec. 24	iP	07 02 18	Dec. 30	eP	15 44 12
	should read:		31	iP	02 27 56
	iP	07 02 08	31	iP	04 44 20

Additional:

Dec. 29	iP	15 45 55	31	eP	06 48 08
61 29	eP	18 12 03	31	iP	07 44 11
29	eP	19 42 03	31	e	13 37 36
29	iP	21 43 17	31	iP	16 40 05
29	iP	22 08 58			
30	iP	01 20 02			
30	iP	01 50 17			
30	eP	02 32 10			
30	iP	02 46 01			
30	iP	03 16 32			
30	e	03 57 43			
30	iP	04 04 44			
30	eP	04 58 02			
30	iP	07 06 21			
30	eP	11 47 34			
30	iP	12 06 34			
30	iP	15 37 16			



Supplement: Times of P for additional shocks at China Lake
 Dec. 24 00 13 27 (i 00 13 56), 02 11 16, 03 07 32, 09 30 52
 Dec. 25 08 19 38, 09 27 43, 14 31 39
 Dec. 27 00 29 17, 02 27 28, 09 43 46, 15 43 08 (i 15 43 23)

Supplement: Times of P for additional shocks at Isabella
 Dec. 14 00 51 13 (i 00 53 32)
 Dec. 16 04 19 28, 09 29 19, 13 50 14, 20 47 36 (i 20 49 13),
 21 26 05
 Dec. 17 06 01 32
 Dec. 18 03 22 43, 22 02 21, 22 36 49
 Dec. 21 00 00 30

Supplement: Times of P for additional shocks at Woody
 Dec. 19 14 18 53, 14 42 58 (i 14 43 09)
 Dec. 20 07 06 51, 10 42 31, 18 02 18, 21 12 41
 Dec. 22 13 51 34, 15 04 54, 15 45 49, 22 58 38 (i 22 59 16)
 Dec. 23 06 56 57, 14 45 11 (i 14 46 26), 21 29 23
 Dec. 24 02 53 56, 09 58 16
 Dec. 27 12 02 44, 15 29 01
 Dec. 28 00 58 31, 02 30 48, 05 19 09, 05 57 57, 06 23 13
 Dec. 31 18 47 58

Violet M. Taylor
Seismological Assistant

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British Geological Survey (BGS)**

PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)

Jan. 4

Continuation:

Jan.							mu	sec
1	iP	02	49	50				
	iS		56	56				
1	iP	06	58	39				
	eS	07	05	48				
1	iP	10	25	44				
	eS		33	06				
1	eP	23	49	05				
	eS		56	02				
2	iP	05	34	42				
	i			59				
	i		35	18				
2	iP	12	33	33				
	i		34	18				
	eS		49	22				
	eSS		52.9					
	eG		55.9					
	eR		57.9					
	Distance	85°						
3	iP	18	01	47				
4	iP ₂	04	48	08				
	ipP			19				
	iS ₁		58	36				
	iPS		59.4					
	eSS	05	04.1					
	iSSS		07.5					
	iG		10.4					
	iR		14.3					
2	Distance	85°						
	Magnitude	6½						
	PZ					0.6		
	PH					0.2		
	SH					2½	10	
	MH					10	20	
	MZ					14	20	
5	iP					00	35	18
	iS						44	57
	iScS						45	27
	eG						54.9	
	iR						57.4	
	Distance	75°						
	Magnitude	6½						
	MH					10	20	
	MZ					7	20	
5	iP					08	19	25
	iS						28	51
	iScS						29	19
	iG						38.1	
	iR						40.2	
	Distance	75°						
	Magnitude	6½						
	MH					10	20	
	MZ					7	20	
5	iP					13	42	40
	iG						47.7	
	Distance	25°						
5	eP					13	56	59
5	eP					14	21	09



Supplement: Times of P for additional shocks at China Lake

Jan. 1	00 23 29, 12 28 16, 15 43 55, 16 27 55, 17 22 30
Jan. 2	06 04 46, 06 20 06, 08 35 57, 12 00 26

Supplement: Times of P for additional shocks at Isabella

Jan. 2	19 15 19, 19 20 25, 23 21 15
Jan. 3	01 00 57, 07 02 37 (i 07 04 24, i 07 06 11), 09 16 45, 10 25 09, 11 32 46, 11 37 47, 11 52 41, 13 17 54, 19 30 28, 21 01 46
Jan. 4	00 03 18, 04 27 49, 04 35 04
Jan. 5	04 28 52, 04 50 53, 06 48 59, 13 40 51 (i 13 41 16)

Supplement: Times of P for additional shocks at Woody

Jan. 6	01 10 44, 02 52 35 (i 02 52 49), 07 15 32, 07 47 26, 14 35 07, 15 03 07 (i 15 03 20), 17 06 56
Jan. 7	08 51 05, 15 10 37, 22 13 00
Jan. 8	01 43 14, 06 20 02, 07 43 29, 10 53 49, 12 19 48, 17 16 41, 18 30 31, 22 16 14, 22 18 26
Jan. 9	06 55 45, 18 57 57
Jan. 10	00 07 09, 02 27 22, 06 30 33, 06 36 44
Jan. 11	02 01 42, 03 02 46

Violet M. Taylor
 Seismological Assistant

KEW
 OBSERVATORY
 23 JAN 1962
 RICHMOND.

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
January 22, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



ditional:

n.	6	eP	02 39 00
	11	i(P)	17 25 56
	12	eP	13 49 33

ntinuation:

n.	7	iP	01 20 44
		eS	29 51
		iScS?	30 47
7		iP	01 39 16
		eS	50 00
7		iP	04 27 38
7		eP	10 16 25
		eS	28 39
		eSS	34.9
		eG	43.2
		eR	48.3

Jan. 9

	PZ	mu	0.1	sec	1
	PH		0.1		1
	SH		1 1/2		4
	MH		7		20
	MZ		3		20
9	iP		22	24	06
10	iP		03	05	51
10	eP		06	31	46
	eL			34.8	
11	eP		05	18	19
	ePP			22	07
	eS			30	21
	ePS				44
	eSS			35.4	
	eG			43.5	
	eR			49.9	

7	iP	16 48 26
7	eP	23 05 53
8	iP2	01 08 37
	i	09 22
B	iPP1	10 39
	iS1	15 23
	iScS	18 35
	eSS	19 09
	iG	19.6
2	iR	22.8
	i	25.2
	i	29.5

Distance 95°
Magnitude 5 3/4

	MH	mu	3 1/2	sec	20
	MZ		3 1/2		20
11	iP		06	57	41
	eS		07	04	23
	eG			07.9	
	eR			10.8	

Distance 46°
e 09 02 47
iP 11 03 43
eS 10.8
eG 15.5
eR 17.7

	Distance	50°
12	iP	11 27 18
13	iP	04 57 17
16	iP2	11 48 10
	ePP1	51 34
	iS1	58 40
11	iPS	59 50
	eSS	12 05.7
	eSSS	08.1
	iG	10.5
	iR	14.4

Distance 88°
Magnitude 6 1/2

	PZ	mu	0.1	sec	1
	PH		0.1		1
	PPZ		3/4		4
	SH		7		20
	MH		5		20
	MZ		5		20

Distance 47°
Magnitude 6 1/2

		mu		sec	
	PZ	0.3		1	
	PH	0.2		1	
	PPZ	0.9		2	
	SH	5		28	
	MH	25		16	
	MZ	27		16	
8	iP	02	13	46	
	e		15	43	
8	iP	05	08	00	
8	iP	05	55	07	

	Dilatation				
9	iP2	12	52	11	
	i			23	
10	iS1	13	01	31	
	eSS			06.5	
	eSSS			09.9	
	iG			11.4	
	iR			14.1	

Distance 78°

Violet M. Taylor
Seismological Assistant

KEW
OBSERVATORY
29 JAN 1962

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
January 31, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

Jan. 5	eP	23 17 10
13	iP	11 52 37
15	iP	18 59 37

Continuation:

Jan. 16	eP	15 24 45
17	iP	13 38 13
18	iP	16 07 12
	e	09 58
19	iP	06 11 05
19	iP	19 37 06
25	iP	02 02 57
	i	03 04
	eS	13 52
	e	15.1
	eSS	19.2
	eG	26.0
	eR	31.0

Jan. 27 Distance 40°

Magnitude 5 1/4
Several small earlier shocks indefinitely recorded. Numerous aftershocks.

28	eP	05 29 00
28	iP!2	05 51 33

Compression from southwest

10	i	05 51 43
	eS\	06 00 57
	eScS	01 29
	eSS	05.3
	eG	09.8
	eR	12.8

2 Distance 74°
Magnitude 6 1/4

26	iP	05 34 40
26	iP	06 21 16

Compression

26	eP	08 31 01
	e	32 22
	ePP	35 46
	eSKS	42 02
	ePS	44.8
	eSS	50.5
	eG	09 02.3
	eR	06.4

Distance 110°

26	eP	11 20 39
26	eP	18 47 14
	eL	58.8
27	eP	23 08 54
	i	09 04
	iS	46

	PZ	0.5	1
	PH	0.2	1
	SH	1	6
	MH	3 1/2	20
	MZ	3 1/2	20
28	iP	16 59 42	
29	iP	11 56 02	
	i		08
	e		59
30	iP	08 41 13	
	e		43 44
	eScP		46.8
	eS		47 30
	eG		50.5
	eR		52.2

Distance 42°

30	iP	15 35 04
	Dilatation	
	i	15 35 29

Supplement: Times of P for additional shocks at China Lake

Jan. 12	22 06 38
Jan. 13	00 56 35 (i 00 57 07), 13 35 18 (i 13 37 05)
Jan. 14	13 45 17
Jan. 15	08 14 49, 08 17 18 (i 08 17 35), 22 28 42
Jan. 16	18 29 17
Jan. 17	11 41 43, 21 21 19, 23 41 09 (i 23 43 32)
Jan. 19	13 34 41, 19 51 37, 19 59 29 (i 19 59 51)
Jan. 20	22 31 01
Jan. 22	07 39 23

Supplement: Times of P for additional shocks at Woody

Jan. 24	03 12 40, 04 58 56 (pP 04 59 28), 05 35 35 (pP 05 36 04), 15 53 14
Jan. 25	00 36 02, 07 36 53 (pP 07 37 47), 10 12 07 (pP 10 13 22), 12 26 24, 15 11 35

NEW OBSERVATORY
- 5 FEB 1962
RICHMOND, SURREY

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 February 12, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:			Feb. 2	iP	23 08 32
Jan. 21	iP	13 02 55		i(S)	12 20
	ipP	04 52		iL	13.5
26	eP	14 46 30	(3)	eP	00 51 56
27	iP	07 34 43		ePP	55 53
27	Earthquakes probably in Gulf of California:			iSKS	01 02 32
	Riverside:			i(S)	05 06
	eP	23 08 43		iSS	10.7
	i	09 00		iG	19.8
	iS	47	2	iR	24.2
	Barrett:			Distance 100 ⁰	
	eP	23 00 17		Magnitude 6 - 6 $\frac{1}{4}$	
	eP	04 49		MH	10 20
	eP	08 23		MZ	10 20
	iS	09 06	4	iP	03 13 29
	eP	26 52		i	36
28	Barrett:		4	iP	17 55 36
	iP	01 30 14	5	iP	23 07 46
	eP	02 13 16		Compression	
	eP	20 10		i	23 08 03
	eP	11 49 55		i	20
	Continuation:			e	09 59
Jan. 30	eP	17 25 45	7	iP	07 47 09
Feb. 1	iP	00 52 35		i	35
	ePP	55 52	8	eSKS	12 13 36
	eS	01 03 18		ePS	16.1
	eG	15.7		eSS	21.7
	eR	18.7		eG	30.4
	Distance 88 ⁰			eR	34.2
1	iP!	06 38 31.6		Distance 100 ⁰	
	Compression from northwest				
	iS	06 39 02.0			
	Magnitude 4 $\frac{1}{4}$ - 4 $\frac{1}{2}$				
	Reported felt at Pismo, Santa Maria, San Luis Obispo and Vandenberg Base.				
2	e	17 31 22			
	eL	55 --			

Supplement: Times of P for additional shocks at China Lake

Jan. 30	18 43 37
Jan. 31	08 55 29, 20 56 10
Feb. 1	00 29 10, 18 09 44

Supplement: Times of P for additional shocks at Woody

Jan. 25	22 47 11
Jan. 26	08 47 39, 09 42 34, 12 01 19, 14 08 49, 21 11 24
Jan. 27	06 38 55, 11 53 06, 12 13 14, 12 31 02, 22 05 32
Jan. 28	08 10 39, 12 48 35, 17 10 04
Jan. 29	05 08 45, 06 17 09, 15 11 40, 21 52 50, 22 21 12
Jan. 30	03 41 27, 07 09 21, 08 41 24, 08 43 48?, 14 04 41,

KEW
 OBSERVATORY
 19 FEB 1962
 RICHMOND

Violet M. Taylor
 Seismological Assistant

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SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
February 27, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

Feb.	4	eP	16	29	54
	5	iP	18	57	05
	9	iP	18	22	57

Feb. 11	eP	19	08	27
	i			55
	iSKS	18	55	
	eS	19	07	
	iPS	20.3		
	eSS	25.1		
	eSSS	28.9		
	eG	32.3		
	iR	36.7		
	Distance	90°		
13	iP	17	06	38

Continuation:

Feb.	11	iP ²	02	54	21
		Compression from southeast			
		ipP	02	55	53
6		iS	03	04	03
		esS		05.9	
		eG		16.9	
		Distance	77°		
		Depth	300 km		
		Magnitude	6 $\frac{1}{4}$		

KEW
OBSERVATORY
- 6 MAR 1962
RICHMOND,
SURREY.

		mu	sec
	PZ	0.6	1
	PH	0.2	1
11	iP	10	08 53
	eG		18.7
	eR		20.3
11	iP	18	55 41

Supplement: Times of P for additional shocks at China Lake

Feb. 4	10 47 16, 13 13 03
Feb. 6	12 42 37, 22 17 54
Feb. 7	00 51 48, 01 23 54, 07 43 55, 09 44 09
Feb. 8	08 37 07, 19 59 38
Feb. 9	21 18 47
Feb. 10	04 30 36 (pP 04 31 11), 13 17 07, 17 43 47, 19 41 01, 19 58 15, 21 41 05
Feb. 12	12 08 58, 17 37 46, 22 18 40, 23 37 07, 23 47 22
Feb. 13	00 56 11, 02 32 31, 20 44 53
Feb. 15	15 38 58 (i! 15 41 30)
Feb. 19	03 08 48

Supplement: Times of P for additional shocks at Woody

Feb. 1	19 01 01, 19 10 07, 20 33 22
Feb. 2	05 52 20, 06 48 45, 08 13 17, 09 19 03, 12 29 12, 13 45 58, 17 43 02, 23 58 36
Feb. 3	07 21 52, 08 27 59, 08 48 24, 13 37 11 (i 13 37 22), 20 12 38
Feb. 4	00 20 16, 01 15 06, 01 26 57, 20 48 28, 21 42 35, 21 47 06, 23 37 07
Feb. 5	01 20 53, 19 24 04
Feb. 6	02 08 39, 03 04 54, 03 07 36, 04 47 24 (i 04 47 38), 08 22 20
Feb. 11	08 31 08
Feb. 15	20 41 21, 21 08 16
Feb. 16	01 07 56, 03 07 38, 16 04 47, 23 04 11
Feb. 17	04 25 32, 18 28 37, 22 12 05
Feb. 18	10 54 01, 22 38 46, 23 20 09, 23 33 28

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
March 1, 1962

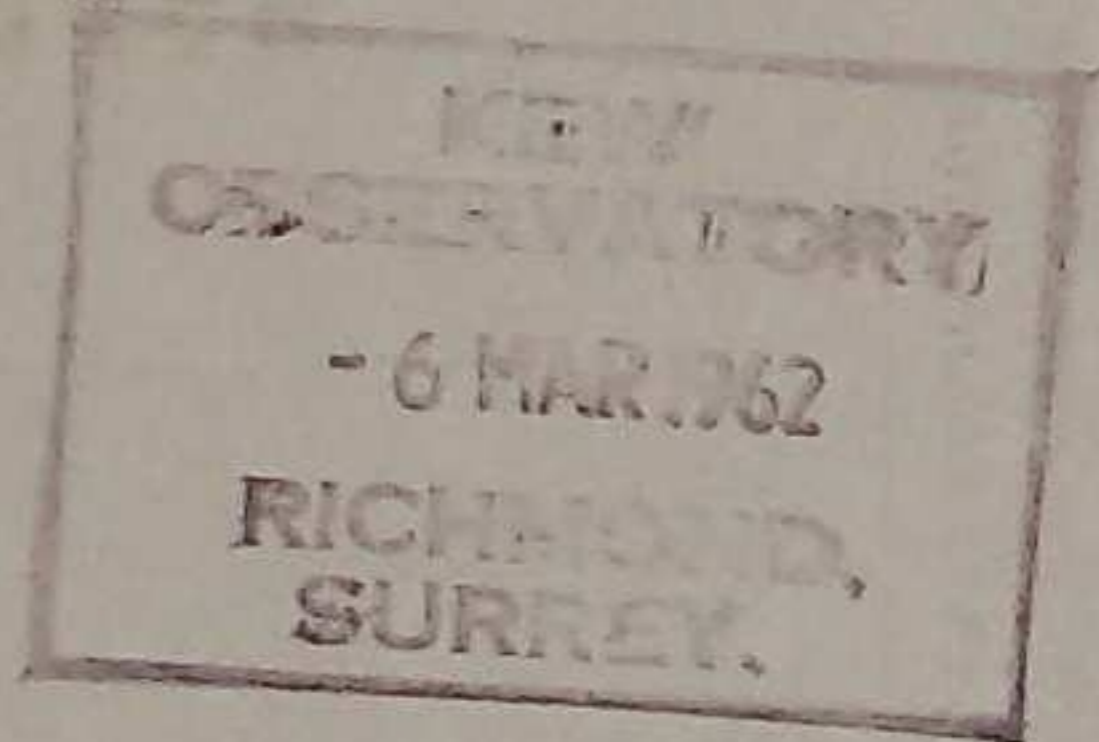
PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Continuation:

Feb. 14	iP 2	06 48 28	
	Compression from southeast		
12	iPcP	06 48 38	
	ipP		55
	isP		49 08
	iPP\		51 47
	iS\		58 45
	iSS	07 03.8	
	iG		10.5
	iR		16.5
2	Distance 82°		
	Depth 100 km?		
	Magnitude 7 1/4		
		mu	sec
	PZ	0.2	1 1/2
	PH	0.15	1
	PPZ	5	8
	SH	90	12
	MH	270	20
	MZ	217	20
14	iP	07 14 53	
15	iP	10 15 59	
	i		16 10
17	iP	22 36 08	
18	iP	01 39 10	
18	iP	17 33 49	
	iS		40 44
	eG		44.3
	iR		48.3
18	iP	23 33 03	
	Compression		
19	iP	11 16 14	
20	iP	16 17 06	
	ePP		19 58
	eS		26 27
	eSS		31.4
	eSSS		35.0
	eG		36.2
	eR		38.8
	Distance 79°		

Feb. 20	iP	19 19 22	
21	iP	17 27 50	
	ipP		28 06
23	iP	11 54 19	
26	e	13 24 01	
	iG		25 01
	i(Lg)		48
	iR		26.6
27	iP\	12 53 11	
	i		54 19
9	iS\	13 03 31	
	iSS		08.9
	iSSS		12.7
	iG		15.3
	iR		20.0
2	Distance 85°		
	Magnitude 6 1/4 - 6 1/2		
		mu	sec
	PZ	0.2	1
	SH	3	26
	MH	17	20
	MZ	10	20
Mar. 1	eP	03 23 13	
	i		25



Supplement: Times of P for additional shocks at China Lake

Feb. 19	20 23 07 (i 20 25 38)
Feb. 20	03 12 58 (i 03 13 22), 06 03 13, 10 19 03, 14 23 44, 22 21 45
Feb. 21	00 18 24, 07 49 10

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
March 13, 1962



PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)

Correction:			Mar. 4	iP	16 33 08
Mar. 1	eP	03 23 13	Mar. 5	iP	01 55 41
	i	25	Mar. 5	iP	07 44 42.6
should read:			Compression from southeast		
	eP	02 23 13	eS 07 45 13.0		
	i	25	Distance 250 km		
Additional:			Magnitude $4\frac{1}{4}$		
Feb. 14	iP	08 24 22	Felt in Imperial Valley		
24	iP	01 10 06	Mar. 6	iP	09 19 52
	ipP	20	Mar. 7	iP! 2	11 12 31
24	iP	14 39 50	Dilatation		
	i	40 03	ipP	11 14 52	
28	iP	13 54 40	isP	15 58	
Continuation:			ipP!	16 16	
Mar. 1	iP 2	23 53 27	i	19.0	
	i	51	iSKS	21 52	
9	eS!	24 03 47	iS!	22 02	
	i	04 37	iPS	23 05	
	eSS	09.0	isS	26.2	
	iG	14.5	isSP	26.9	
2	iR	18.3	isSS	31.2	
Distance 82°			iSSS	31.5	
Magnitude 6			eP'P'	38 28	
		mu	Distance 84°		
	PZ	0.2	Depth 680 km		
	PH	0.1	Magnitude 7		
	SH	2	mu		
	MH	7	sec		
	MZ	5	PZ	2	1
Mar. 2	iP	17 03 33	PH	1	1
Mar. 3	iP	16 25 18	PPZ	$\frac{1}{2}$	$1\frac{1}{2}$
Mar. 4	iP	11 48 42	SH	10	9
	e	50 20			

KEW
OBSERVATORY
16 MAR 1962
RICHMOND,
SURREY.

Supplement: Times of P for additional shocks at China Lake

Feb. 22	06 02 59
Feb. 23	20 34 55
Feb. 25	13 05 38, 20 22 34
Feb. 26	01 24 58, 02 43 33, 16 06 41, 16 55 59
Feb. 27	00 14 21, 01 52 12, 05 59 22
Feb. 28	07 32 01, 18 43 23 (pP 18 43 53, sP 18 44 11), 18 12 28, 20 42 38
Mar. 1	05 05 17 (e 05 08 58), 12 31 29

Supplement: Times of P for additional shocks at Woody

Feb. 15	23 52 38 (i 23 53 58)
Feb. 17	19 46 26
Feb. 24	19 48 04, 20 58 23
Feb. 26	09 14 16, 10 13 52
Mar. 1	07 28 27, 20 51 02
Mar. 2	02 22 53, 05 36 34, 09 05 33, 13 17 15, 13 32 49, 14 23 47
Mar. 3	10 31 05, 10 49 49, 12 28 56, 12 44 39 (i 12 44 55)

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
March 16, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

Mar.	4	iP	00 51 47
	5	Santa Barbara:	
		iP	07 44 25
		iS	44 48
		San Nicolas:	
		iP	07 44 34
		iS	45 08
		Woody:	
		eP	07 44 37
		Isabella:	
		iP	07 44 42
		Tinemaha:	
		iP	07 44 57
		Riverside:	
		iP	07 44 51
Correction; this shock not felt in Imperial Valley.			

Mar.	11	iPP?	19 37 40
		i	47 00
		i	48 00
		e	52 00
		e	56.5
		eG	20 02.5
		eR	07.0
		Distance	103 ⁰ ?
	12	iP	09 49 23
		iPP	50 50
		iPcP	51 26
		iS	55 44
		eG	59.2
		eR	10 01.0
		Distance	40 ⁰
	12	iP ²	11 48 03
		i	10
	11	iPP	49 31
		iPcP	56
		iS	54 32
		iG	56.7
		iScS	57.8
		iR	59.0
	2	Distance	40 ⁰
		Magnitude	6 ³ / ₄
			mu sec
		PZ	3 3
		PH	4 3
		SH	14 10
		MH	87 23
		MZ	55 23
	15	iP	13 18 19

Continuation:

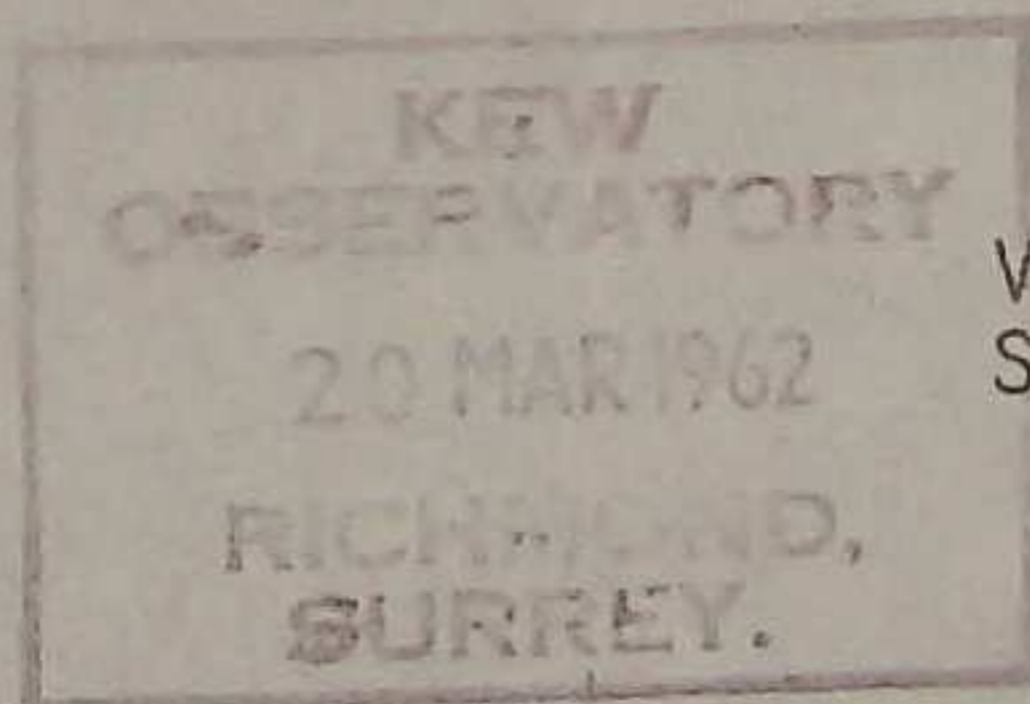
Mar.	8	iP	08 23 38
	8	iP	10 57 48
	9	iP!	07 08 19
		Dilatation	
		ipP	07 10 04
		esP	11 18
	11	iP	15 32 10
		iPP	34 11
		i	37 18
		iS	39 02
		eSS	42.5
		iG	44.4
		eR	46.2
		Distance	49 ⁰

Supplement: Times of P for additional shocks at China Lake

Mar.	1	01 13 11
Mar.	4	04 31 04
Mar.	5	01 00 43, 04 01 40, 04 04 59, 06 13 05, 10 34 07
Mar.	6	06 14 42, 15 45 28
Mar.	7	15 25 49, 19 16 45
Mar.	8	02 15 03

Supplement: Times of P for additional shocks at Woody

Mar.	2	18 16 06
Mar.	3	16 13 07



Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 March 23, 1962

PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:

Mar. 8	iP	10 46 56
8	eP	21 01 17
9	iP	08 44 27
9	iP	17 41 25
9	iP	22 21 06

Mar. 18	iP	03 19 01
	eS	29 42
	eG	41.9
	iR	45.2

Continuation:

Mar. 16	iP	19 55 13
	Compression	
6	i	19 59 54
	eG?	20 18.1
2	iR	20.9
	mu	sec
	PZ	1/2 1 1/2
	MH	1 1/2 20
	MZ	1 1/2 20
17	iP2	20 58 54
	i	21 00 02
	i	01 34
11	iS	08 18
	iSS	13.1
	iSSS	16.6
	iG	18.3
2	iR	21.4
	Distance 74	
	Magnitude 7	
	mu	sec
	PZ	3 1 1/4
	PH	0.1 1
	SH	16 16
	MH	136 20
	MZ	45 20
18	iP	00 53 01
18	iP	05 40 02

18	eP	10 24 42
18	eP?	15 44 07
	e	43
	eS	55 24
19	iP	06 09 17
19	iP	06 12 59
	i	13 46
	i	56
	i	14 39
21	iP	23 15 47
	i	17 24
	i	42
	i	18 27
21	iP	23 28 16
22	iP	00 37 42
	i	39 57
	i	40 24
	i	56.1
22	iP	00 55 33
22	iP	12 18 59
	i	19 12
	eL	44.6
22	iP	15 26 49
	i	27 02
	ePP	30 58
	iSKS	37 26
	iS	38.6
	iPS	39.8
	eR	58.1
	Distance 102	

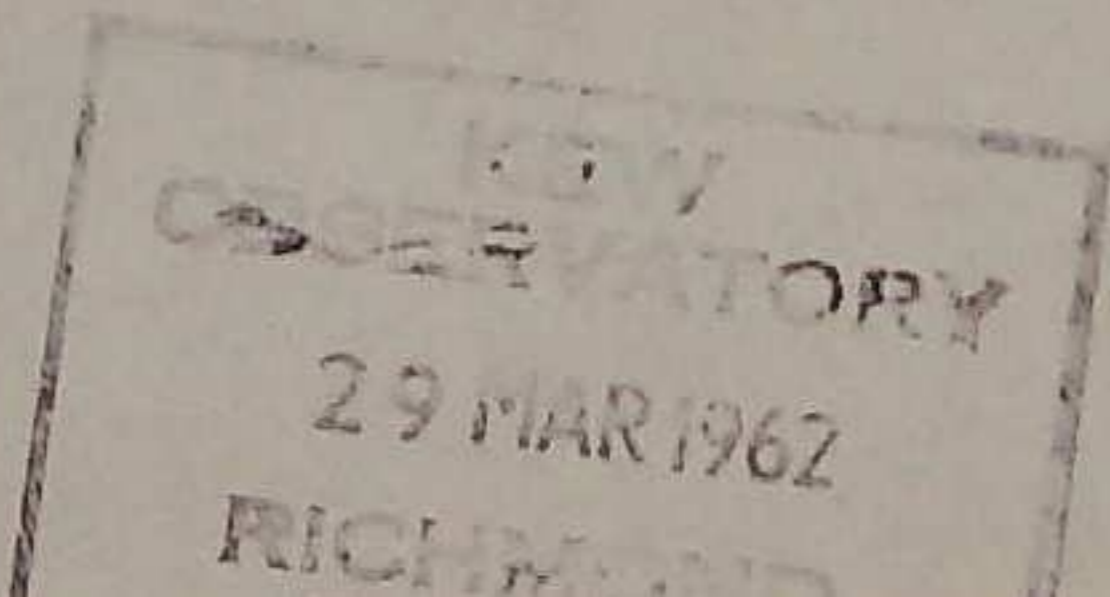
Supplement: Times of P for additional shocks at China Lake

Mar. 7 14 11 00, 19 22 12

Supplement: Times of P for additional shocks at Woody

Mar. 10 05 12 07, 07 16 19, 12 20 43
 Mar. 11 02 32 19 (i 02 32 34, i 02 35 02), 06 10 17, 07 31 06,
 16 28 12, 19 33 17
 Mar. 12 01 49 41, 02 03 17, 12 20 37, 13 35 09 (pP 13 35 34),
 13 50 20, 15 13 47, 19 42 05
 Mar. 13 06 19 43, 10 09 12
 Mar. 14 03 12 12, 05 41 22, 08 32 37, 08 57 29, 12 34 09
 (12 34 43), 14 04 51, 18 38 11, 20 28 10
 Mar. 15 00 42 02, 01 09 44, 02 01 57 (pP 02 02 07), 04 43 43,
 09 10 31, 21 32 08, 21 35 23
 Mar. 16 05 24 12, 09 55 16, 12 24 03, 15 38 19

Violet M. Taylor
 Seismological Assistant



SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
April 6, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:
Mar. 21 iP 13 52 51

Continuation:
Mar. 22 iP 19 10 38
23 iP 05 47 00
24 iP 13 13 03
i 27
eSKS 23.5
eG 39.8
eR 44.2
Distance 102°
25 iP 08 20 18
i 34
25 iP 12 03 31
26 iP 16 45 18
ePP 48 32
iSKS 55 48
iS 56 06
eSS 17 01.5
eSSS 05.0
eG 08.4
eR 13.3
Distance 88°
mu sec
MH 6 20
MZ 5 20
27 iP 21 24 42
eS 29.0
e 31.9
eL 33.1
Distance 25°
28 iP 04 24 33
28 iP 14 18 45
eG 21.9
eL 24.0
Distance 18°

Mar. 29 iP 02 02 24
ipP 38
30 iP 14 35 58
Apr. 1 eP 05 13 29
i 38
1 eP 12 07 22
i 40
eS 13.5
eG 16.0
eR 17.9
Distance 40°
1 iP 12 24 45
eS 36 16
ePS 38 16
e 52
eSS 43.5
iG 52.0
eR 56.7
Distance 103°
1 iP 15 49 51
2 iP 00 27 04
i 51
iS? 37 08
3 iP 16 37 35
eS 48 03
e 49.3
eSS 53.6
iG 59.9
eR 17 03.4
Distance 85°

Supplement: Times of P for additional shocks at China Lake

Mar. 17 03 58 31, 04 31 40, 18 08 38, 23 35 00
Mar. 18 01 39 19, 02 35 47, 13 51 15
Mar. 19 08 53 54, 14 09 21, 15 46 58, 21 15 09 (i 21 16 26),
21 19 46 (i 21 20 17)
Mar. 20 10 06 15, 11 12 03, 16 35 51, 19 05 19 (i 19 05 33),
20 08 39, 20 56 51
Mar. 21 01 59 49 (i 02 00 18), 06 20 36, 21 14 46
Mar. 22 02 02 33, 21 01 21
Mar. 23 00 26 42
Mar. 24 01 45 50
Mar. 25 11 12 56, 14 35 50, 15 37 30, 20 53 53
Mar. 26 05 34 42 (i 05 35 14)
Mar. 27 10 21 33, 15 01 33, 18 03 22, 19 25 48 (i 19 27 13)
Mar. 28 06 29 15 (i 06 30 56), 12 36 19, 14 25 37
Mar. 29 03 12 35, 09 29 45, 13 40 39

Violet M. Taylor
Seismological Assistant

NEW OBSERVATORY
-9 APR 1962
RICHARD D

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 April 12, 1962



PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)

Additional:

Mar. 30	iP	06	02	03
Mar. 1	iP	09	36	48
	ipP			58
1	eP	12	18	44

Continuation:

Apr. 4	iP	10	51	09
4	iP	14	10	24
	iS		17	13
	eSS		21.2	
	eG		22.0	
	eR		23.5	
2	Distance	49°		
		mu		sec
	MH	6		20
	MZ	6		20
5	iP	12	37	22
6	iP	06	17	00
	eS		09.0	
	iR		19.1	
	Distance	67°		
7	iP	06	34	37
	i(pP)			49
	i(sP)			55
	eSKS		45.0	
9	i(S)		45	29
	ePS		46.4	
	iG		58.2	
	iR	07	02.9	
	Distance	88°		
	Magnitude	6		
	Depth	50 km		
		mu		sec
	PZ	0.1		1 1/4
	MH	3		20
7	iP	13	12	37

Apr. 7	iP	23	13	38
	Compression			
	i	23	13	56
	i		14	24
	eS		20.3	
	eR		26.0	
	Distance	46°		
8	iP	21	55	51
	i		56	11
	eS	22	00.4	
	eG		01.4	
	eR		02.9	
	Distance	28°		
9	iP	04	26	36
	i		27	26
10	iP	04	48	14
	i			19
	i			48
	i			58
	iS		58	01
	eSS	05	03.3	
	eG		09.7	
	eR		14.2	
10	iP	10	42	13
10	iP	17	18	13
10	i(PP)	21	54	53
	i	22	09.1	
11	eP	01	04	29
				etc.

Supplement: Times of P for additional shocks at China Lake

Mar. 28	18	47	26
Mar. 29	08	53	44

Supplement: Times of P for additional shocks at Woody

Mar. 30	08	11	41	(08 11 52),	12	10	29	(i 12 10 45),	15	32	39		
Mar. 31	03	56	26,	08	00	38	(i 08 00 54),	12	20	58,	16	54	42
Apr. 1	08	29	14,	11	57	25							
Apr. 2	00	10	38	(i 00 11 01)									
Apr. 3	05	40	24,	06	26	32,	18	50	35				
Apr. 4	02	11	43,	15	33	27							

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 Seismological Assistant

KEW
 OBSERVATORY
 16 APR 1962
 RICHMOND,
 SURREY

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
April 25, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Correction:

Apr. 6 iP 06 17 00 etc.
should read:
iP 17 00 27 etc.

Additional:

Mar. 30 iP 05 14 32
Apr. 6 iP 04 37 11

Continuation:

Apr. 11 iP 23 29 21
 (12) Dilatation
 eP² 01 04 30
 i 39
 B ePP² 07 25
 iS\ 14 15
 iScS 44
 iSS 18.8
 iSSS 23.4
 iG 24.4
 2 iR 27.5

Distance 76°
Magnitude 7 - 7 1/4

	mu	sec
PZ	0.5	1
PH	0.6	2
PPZ	0.3	2
PPH	1 1/4	3
SH	26	23
MH	130	20
MZ	119	20

12 eP 05 28 00
12 iP 16 47 57

Apr. 13 iP 15 39 55.0
i! 56.8
iS 41 00.1
Distance 558 km
Magnitude 4 3/4 - 5
Tinemaha:
iP 15 39 15.4
Woody:
iP 15 39 33
14 iP 07 55 20
iS 56 51
14 iP 23 36 55
15 eP 08 07 43
16 iP 13 32 18
Dilatation
i 13 32 53
iPP 35 38
eS 42 23
eG 54.3
iR 57.0
Distance 72°

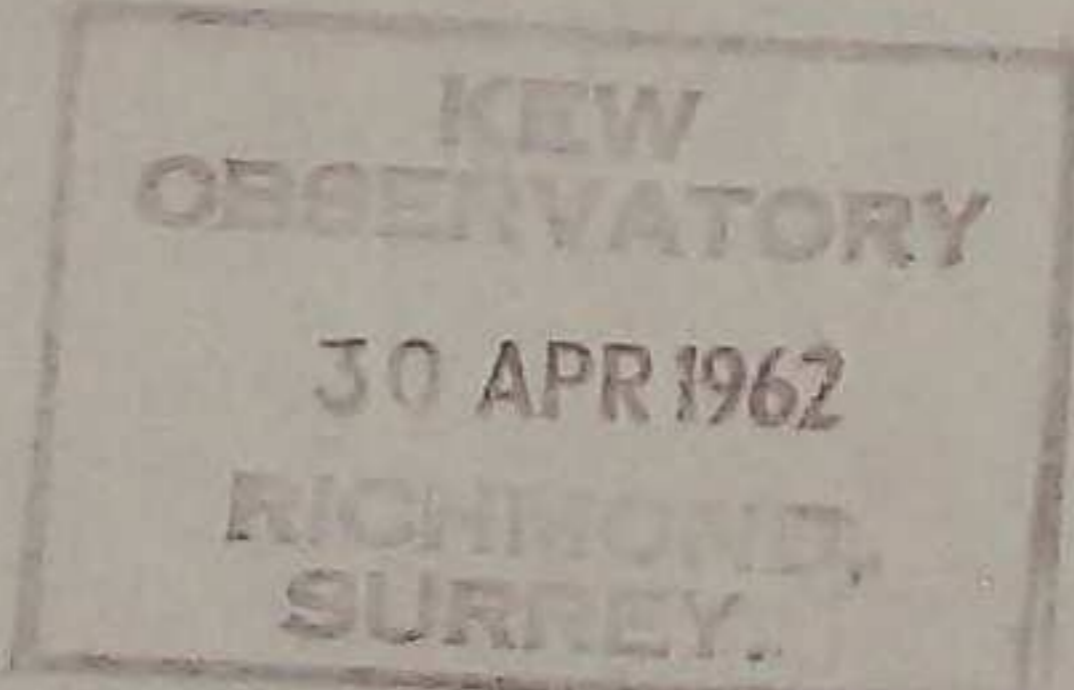
Supplement: Times of P for additional shocks at China Lake

Apr. 6 18 53 38, 20 36 12, 21 48 10
 Apr. 7 08 17 13, 10 43 33
 Apr. 9 09 13 11 (e09 13 34), 09 16 40, 20 26 55
 Apr. 10 12 47 19, 13 23 17 (e13 23 34), 14 21 49 (e14 22 09),
 20 15 43 (i 20 16 09), 20 35 59
 Apr. 11 09 32 34, 11 01 02, 12 22 15, 19 09 40
 Apr. 12 06 06 12 (e 06 06 22, e 06 06 57)

Supplement: Times of P for additional shocks at Woody

Apr. 3 01 31 41
 Apr. 4 02 57 51 (pP 02 58 11)
 Apr. 5 03 47 06, 06 41 43, 19 58 43 (i 19 59 13)
 Apr. 13 01 55 54, 15 39 33, 23 06 28
 Apr. 14 01 20 36

Violet M. Taylor
Seismological Assistant



SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California

April 26, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



63 ✓

Continuation:

pr. (18) iP 2 19 24 26
Dilatation followed
by sharp compression
B ipP 19 24 40
iPcP 25 15
ePP2 26 42
iS\ 32 21
iSS 36.4
iG 39.4
2 iR 43.0
iP'P' 54 25
Distance 58°
Depth 60 km
Magnitude 6 $\frac{3}{4}$

	mu	sec
PZ	1	1 $\frac{1}{2}$
PH	0.3	1 $\frac{1}{2}$
PPZ	0.3	1 $\frac{1}{2}$
PPH	1	5
SH	12	14
MH	15	20
MZ	10	20
19 eP	20	28 10
i		24
19 iP	23	26 33
i		27 10
iPP		29 58
iPS		37 58
eG		50.0
eR		52.9

(20) iP!Z 05 55 53
Compression from
southeast
isP 05 57 08
iPcP 28
iPP 43
iScP 06 00 58
12 i 01 18
i 02 10
iS\ 18
e 38
iScS 05.6
iG 07.0

Distance 45°
Depth 200 km
Magnitude 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$

	mu	sec
PZ	1	1 $\frac{1}{2}$
PH	1	2
SH	7	8

Apr. 20 iP 06 29 02
22 iP 02 22 28
Compression
22 iP 04 42 20
Compression
ipP 04 42 53
isP 43 08
22 iP 04 51 20
Compression from
southeast
i 04 51 37
i 53 10
i 54 24
i 55 35
iS 56 12
iG 58.5
eR? 05 00.5

(23) Distance 30°?
iP2 06 09 37
i! 41
iPcP 10 01
16 iPP2 12 24
iS!\ 19 04
iPS 50
iSS 23.7
iSSS 27.0
iG 29.0
2 iR 31.7
eP'P' 37 03
e 22

Distance 74°
Magnitude 7 - 7 $\frac{1}{4}$

	mu	sec
PZ	0.6	1
PH	2	2
PPZ	4	7
PPH	1 $\frac{1}{2}$	3
SH	17	6
MH	132	30
MZ	90	30

KEW
OBSERVATORY
30 APR 1962
RICHMOND,
SURREY.

Violet M. Taylor
Seismological Assistant

13 =

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
May 4, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

Apr. 16	iP	11 48 00
16	e	13 29 44
19	eP	22 27 39
	e	56
	e	28 33
	e	31 02
21	iP	07 57 48

Continuation:

Apr. 24	iP	16 15 29
	i	16 05
26	iP	07 37 25
	Compression	
	ipP	07 39 24
	eS	46 36
27	eS?	06 51 26
27	iP	07 00 15
	ePP	03.6
	eS	10.7
	iPS	12.0
	iSS	16.8
	eSSS	20.2
	eG	23.7
	eR	28.4
	Distance 90°	
(30)	iP	02 38 16 ²
	Compression from northwest	
	ePP	02 41 09
	iS\	48 04
	iG	58.2
	iR	03 01.5
	Distance 78°	
	Magnitude 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$	

Apr. 30		mu	sec
	PZ	0.4	1
	PH	0.1	1
	SH	0.8	5
	MH	5	20
	MZ	5	20
30	iP	07 57 26	
	e	58 11	
30	iP	09 56 42	
(30)	iP ²	16 28 34	
	iS\	38 21	
	iPS	49	
	iSSS	46.5	
	iG	48.0	
	iR	51.4	
2	Distance 78°		
	Magnitude 6 $\frac{1}{2}$		
		mu	sec
	PZ	0.1	1
	PH	0.1	1
	SH	3	10
	MH	6	20
	MZ	5	20
30	iP	18 42 43	
	eG	19 02.3	
	eR	05.3	
	Distance 42°		
May 2	iP!	09 08 00	
	Dilatation from southeast		
	eS	09 17 28	
	eG	27.7	
	eR	33.0	
2	iP	12 44 36	
	Dilatation		

Supplement: Times of P for additional shocks at China Lake
Apr. 21 02 30 32 (e 02 30 56), 21 31 50

Supplement: Times of P for additional shocks at Woody
Apr. 15 07 43 59 (pP 07 44 13)
Apr. 17 07 00 46, 08 00 55, 11 49 10, 12 55 44, 19 01 08,
21 05 48 (i 21 05 59)
Apr. 18 02 04 30, 04 43 07, 16 48 00, 18 24 02, 23 48 09
Apr. 22 16 51 52, 18 49 14, 18 54 26 (i 18 54 40), 19 02 07,
19 27 55 (pP 19 28 38)
Apr. 23 04 06 31, 10 01 13, 16 14 25
Apr. 24 04 33 27 (i 04 36 13), 05 32 35
Apr. 25 03 38 40, 04 20 52, 06 07 07 (i 06 07 29), 14 30 52,
20 01 29, 21 46 08
Apr. 26 18 33 18
Apr. 27 06 41 53 (pP 06 43 55)

KEW OBSERVATORY
- 8 MAY 1962
RICHMOND.

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 May 11, 1962

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PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)

ditional:

r. 25 iP 15 59 14
 iS 16 08 54

ntinuation:

y 3 iPⁱ 03 53 37
 ePS 04 04 34
 eSS 11.0
 e 14.0
 eG 24.0
 iR 30.9

Distance 117°
 3 iP? 13 49 51.6
 i 50 03.6
 iS 51 08.5
 Magnitude 5

4 iP 23 16 50
 iS 24 06

5 iP 11 24 08
 iS 34 11
 eG 45.0
 eR 48.5
 Distance 80°

5 iP 23 18 35
 6 iP 03 46 51

e 55.0
 eS 57.6
 eSS 04 03.4
 eG 10.4
 eR 15.0
 Distance 89°

6 iP 19 15 14
 iPⁱ 18 54
 iPP² 20 02
 iPKKP 29 30
 iPS 54
 iSS 36 02
 i 39.0
 i 44.2
 iG 49.1
 iR 56.2

Distance 117°
 Magnitude 7.0

	mu	sec
PPZ	2½	6
PPH	2	6
MH	33	20
MZ	28	20

7 iP² 17 51 02
 Compression from northwest

iS 18 00 12
 iScS 10 07

Kew Observatory
 15 MAY 1962

May 7 iSS 18 04 53
 eG 08.1
 eR 11.7
 iPⁱPⁱ 19 03

Distance 70°
 Magnitude 6¾

	mu	sec
PZ	3	6
PH	3	12
SH	5	15
MH	10	20

9 iP 12 27 51
 10 iP 00 10 23

Dilatation
 iP 00 10 40
 iS 11 04
 iPP 54
 iPcP 12 56
 iS 15 49
 iR 20.3

Distance 34°
 Depth 100 km
 Interpretation doubtful

10 iP 05 20 03
 i 15
 ePP 22 08
 iS 26 15
 iG 29.6
 iR 31.0

11 Distance 43°
 iP 12 18 07
 i 20
 iP² 14 17 04
 Compression from southeast
 iS 14 21 29
 iG 22.4
 iR 24.2

2 Distance 25°
 Magnitude 7

	mu	sec
PZ	6	2
PH	3	2
SH	35	10
MH	220	20
MZ	140	20

11 eP 20 03 35

Violet M. Taylor
 Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
May 23, 1962



PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)

Additional:

May 6 iP 12 19 58

Continuation:

May 15 eP 05 38 31

Compression
from west

14

iP' 05 42 24

iPP2 43 17

iSKS 49 17

iS 51 09

iPS 52 29

iPPS 54.0

iSS 59.0

iSSS 06 03.0

iG 10.1

2

iR 15.7

Distance 113°

Magnitude 7 - 7 1/4

mu sec

PZ 1 20

PPZ 0.6 3

PPH 0.1 1

SH 6 20

MH 80 20

MZ 35 20

16 iP 05 29 18

16 iP 17 45 41

eL 18 11.5

18 iP 07 25 13

May 18 iP 18 57 39

i 49

18 iP 23 30 15

19 iP2 15 03 27

iS 07 56

iG 08.9

iR 11.4

Distance 25°

Magnitude 7 - 7 1/4

mu sec

PZ 8 4

PH 8 3

SH 95 24

MH 220 20

20 iP 00 06 45

Dilatation

i 00 07 10

i 25

KEW
OBSERVATORY
28 MAY 1962
RICHMOND,
SURREY.

Supplement: Times of P for additional shocks at Woody

Apr. 27	16 41 11
Apr. 28	09 12 06 (i 09 12 34), 10 03 33, 10 05 33
Apr. 29	07 17 12, 15 22 56
Apr. 30	08 07 12, 10 53 03, 16 10 15, 22 53 19
May 1	00 01 07, 00 11 07, 02 57 50, 03 04 34, 22 11 12
May 2	02 49 53, 06 26 12, 10 20 12 (pP 10 20 29), 10 31 57, 14 24 21, 20 56 01 (pP 20 56 48)
May 3	02 49 14, 03 20 11, 22 55 56
May 4	05 59 49, 07 14 17, 17 47 00, 23 52 58
May 5	15 11 50, 16 54 38
May 6	00 48 45, 03 26 58, 05 33 31, 11 27 54, 12 20 00, 13 08 20, 21 51 23
May 7	08 20 12 (pP 08 20 40), 10 50 51, 13 19 39, 15 09 47, 18 48 30, 19 01 25, 19 15 38, 20 20 51, 23 05 53
May 8	08 02 02, 08 08 41 (i 08 10 17), 13 45 47, 16 36 16 (pP 16 36 46), 18 21 10
May 9	02 46 46, 11 29 33, 11 34 17, 11 41 13
May 10	08 54 01, 09 57 01, 11 25 00, 14 28 05
May 11	07 19 21 (pP 07 19 45), 13 47 54 (pP 13 48 20), 16 17 09, 16 30 53
May 12	10 22 21, 22 14 41 (pP 22 16 43)
May 13	09 21 22 (PcP 09 22 36, ScP 09 26 18), 11 45 42, 19 00 40
May 14	00 50 15, 03 56 21

Violet M. Taylor
Seismological Assistant

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SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
May 25, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Continuation:

21	iP	12 16 53	
	Dilatation from northwest		
	iP	12 20 54	
	iPP2	21 02	
	i	23 13	
	iPS	30 06	
12	ePKKP	32 45	
	iSS	36.2	
	iG	49.0	
	iR	53.5	
2	Distance 104°		
	Magnitude 7 - 7 $\frac{1}{4}$		
		mu	sec
	PZ	0.2	1 $\frac{1}{2}$
	PPZ	0.8	2 $\frac{1}{2}$
	PPH	0.6	3
	MH	25	20
	MZ	10	20
21	iP2	21 26 52	
	Compression from southwest		
	i	21 27 04	
14	ipP	28 24	
	iPP2	29 20	
	iS	36 22	
	iS	38.8	
	iSS	41.6	
	iG	49.3	
2	iR	50.6	
	i	54.6	
	eSKPP	55 54	
	Distance 82°		
	Depth 400 km		
	Magnitude 6 $\frac{3}{4}$ - 7		
		mu	sec
	PZ	0.5	1
	PH	0.4	1
	PPZ	0.5	1 $\frac{1}{2}$
	PPH	0.6	1
	SH	20	7
	MH	59	20
	MZ	21	18
22	iP 2	08 18 59	
	Compression from west		
	ipP	08 19 30	
	iPP2	22 18	
	iS	29 14	
	iPS	30 10	

May 22	e	08 30 52	
	isSS	35.8	
	iSSS	38.5	
	iG	41.3	
	iR	45.0	
	Distance 84°		
	Depth 100 km		
	Magnitude 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$		
		mu	sec
	PZ	0.3	1
	PH	0.1	1
	PPZ	1.0	4
	PPH	1.0	3
	SH	2	7
	MH	10	20
	MZ	7	20
22	iP	09 33 21	
22	iP	22 16 42	
	i	49	
	i	18 05	
	iS	28 02	
	ePS	29 10	
	i	30.5	
	eSSS	38.4	
	iG	42.0	
	iR	46.0	
	Distance 93°		
	Interpretation doubtful		
24	iP	04 28 51	
	i	30 35	
	iS?	32 18	
	iG	33.0	
	iR	33.5	
25	iP	04 31 16	
	eS	41 02	
	i	42	
	eSS	45.3	
	eSSS	50.6	
	eG	52.5	
	eR	54.7	
	Distance 80°		
25	iP	07 18 14	

Violet M. Taylor
Seismological Assistant

**KEW
OBSERVATORY**
28 MAY 1962
**RICHMOND,
SURREY.**

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 June 8, 1962



PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)

Additional:

May 27 Barrett:
 iP 01 45 56.4
 iS 46 08.0
 Riverside:
 iP 01 46 17.3

May 31 iP? 06 41 47
 iS? 50 42
 Overlapped by preceding

Continuation:

May 27 iP 01 46 24.5
 iS 47 06.0
 Distance 4°
 Magnitude $5\frac{1}{2}$
 29 iP 00 01 03
 i 31
 30 iP 09 24 24
 31 iP₂ 06 40 34
 Compression from west
 iP 06 41 32
 iS 42 11
 iS 50 33
 iSP 51 33
 i 52 25
 iSS 56.1
 iG 07 03.1
 iR 04.4
 Distance 84°
 Depth 250 km
 Magnitude $6\frac{1}{2}$
 PZ mu sec
 PH 0.1 1
 SH $1\frac{1}{2}$ 5

June 2 eP 17 28 15
 eS 38 49
 eSS 44.9
 eSSS 48.6
 eG 51.5
 eR 56.4
 Distance 90°
 3 iP 15 13 07
 eS 21 41
 eSS 26.0
 eG 29.2
 eR 33.1
 Distance 65°
 4 iP 04 34 39
 6 iP 17 51 40
 Magnitude $5 - 5\frac{1}{4}$
 Felt at San Francisco
 7 iP 05 44 34
 i 52
 8 iP! 01 42 54
 Compression

Supplement:

Times of P for additional shocks at Woody
 May 14 15 30 56, 17 03 50, 22 15 41 (i 22 15 50), 23 34 43
 May 15 03 46 17, 13 03 17 (i 13 03 31), 16 23 24 (i 16 23 42),
 16 59 48, 20 40 31 (i 20 40 47)
 May 16 06 24 18
 May 17 12 20 20, 16 19 23 (i 16 22 51), 16 29 39
 May 18 03 01 05, 07 40 58, 08 02 15, 12 22 35 (i 12 22 41),
 14 33 30, 20 10 07 (i 20 10 35)
 May 20 08 20 25, 15 10 00 (i 15 10 14), 18 43 16
 May 21 02 06 26 (i 02 06 49), 14 20 21
 May 22 00 31 33, 02 17 11, 02 31 31
 May 23 03 57 06, 06 47 09, 06 56 37, 08 30 51
 May 24 02 24 46
 May 25 00 58 58, 11 33 49, 14 32 23 (i 14 32 40), 14 58 23
 (i 14 58 43), 16 55 56, 17 33 31, 21 40 24 (i 21 40 51)
 May 26 02 24 07, 10 04 29, 07 37 04, 10 04 29, 13 03 50,
 20 03 14
 May 27 18 25 48
 May 28 10 21 52, 16 20 40
 May 29 03 57 48, 07 15 20, 15 37 09, 21 08 18, 22 03 10
 May 30 05 06 18, 05 10 12, 10 13 15, 16 48 02, 17 08 47,
 21 18 37
 May 31 03 30 32, 08 50 00, 15 08 00

KEW
 OBSERVATORY
 12 JUN 1962
 RICHMOND,
 SURREY

Violet M. Taylor
 Seismological Assistant

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SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
June 22, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

Line	Time	Station	Time	Time	Time	Station	Distance	Magnitude	mu	sec
Line 25	09 53 38	iP	55°	6						
Line 1	13 18 51	iP								
Line 2	11 53 59	iP								
Line 2	12 30 21	iP								
Line 2	33 42	i(L)								
Line 2	12 39 57	iP	14							
Line 3	17 41 09	iP	15							
Line 7	09 11 24	iP								
Line 9	01 44 07	iP								
Line 10	14 05 47	iP	17							

Continuation:

Line	Time	Station	Time	Time	Time	Station	Distance	Magnitude	mu	sec
Line 9	13 37 13	iP								
Line 9	20 03 52	iP								
Line 9	06 38	i								
Line 10	09 14	e(S)								
Line 10	12 32 05	iP								
Line 10	38 07	i								
Line 11	04 46 20	iP								
Line 11	07 28 58	e(P)								
Line 14	41 21	i(S)								
Line 14	08 01 10	iP	18							
Line 14	08 40	iS								
Line 14	15.6	eR								
Line 2	Distance 55°									
Line 2	Magnitude 6 - 6 1/4									
Line 2	mu	sec								
Line 2	PZ 1/4	1 1/2								
Line 2	PH 0.1	1								
Line 2	SH 10	20								
Line 2	MH 10	20								
Line 2	MZ 10	20								
Line 14	08 05 05	iP								
Line 14	12 36	iS								
Line 14	Overlaps the preceding									

Supplement: Times of P for additional shocks at China Lake

June 9	02 00 13, 10 40 39 (pP 10 40 53), 18 07 10, 21 33 48
June 10	03 12 33, 09 51 32, 14 05 43, 14 22 13, 17 37 20, 17 46 04
June 11	07 28 47, 17 14 48, 21 59 16
June 12	13 58 01 (i 13 58 53)

Supplement: Times of P for additional shocks at Isabella

June 4	18 58 49
June 6	10 45 36, 17 51 25, 20 14 15
June 7	02 53 48, 15 09 15, 22 49 31
June 8	05 31 42, 05 37 21, 11 29 46, 12 04 55

Correction: Woody Supplement

May 31 For iP 15 08 00 Read iP 15 07 30

Supplement: Times of P for additional shocks at Woody

May 27	14 54 02
May 30	05 00 36
May 31	21 31 35
June 6	05 32 34, 11 21 35

Violet M. Taylor
Seismological Assistant

KEW
OBSERVATORY
26 JUN 1962
RICHMOND,
SURREY

KEW
OBSERVATORY
10 JUL 1962
RICHMOND,
SURREY.

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
July 6, 1962

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PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Correction:
June 20 iP 19 30 24
should read:
iP 19 29 24

Additional:
June 14 iP 13 38 02
14 eP 17 23 37
14 e(P) 22 27 32
15 iP 12 08 36
i 09 23
15 iP 12 22 10
i 40
16 eP 03 32 49
16 iP 05 34 36

Continuation:
June 23 iP 09 57 54
iSKS 10 08 28
iS 09 04
eR 27 --
Distance 93°
mu sec
PZ 1/4 1 1/2
MH 4 20
25 iP 06 39 16
iS 49 30
25 iPl 11 24 00
Compression from west
iPP 11 27 59
iSKS 34 37
i 35 35
iSS 42 15

June 25 eG 11 51.1
iR 56.3
Distance 97°
Magnitude 5 3/4 - 6
mu sec
PZ 0.1 1 1/2
MH 5 20
28 iP 04 34 20
iS 40 02
iL 42 09
Distance 35°
29 iP 16 35 00
iS 40 31
Distance 37°
July 2 iP2 08 45 04
Compression from southwest
i 08 45 20
i 54
ePP 48 20
eS 55 18
ePS 56 11
e 09 01.3
eG 07.0
2 eR 10.9
Distance 82°
Magnitude 6 1/2 - 6 3/4
mu sec
PZ 0.6 1 1/2
PH 0.4 2
PPZ 0.6 3
SH 1 1/4 8
MH 3 1/2 20
MZ 3 1/2 20

Supplement: Times of P for additional shocks at China Lake
June 17 13 34 52, 14 45 16 (pP 14 46 09), 22 36 49
(i 22 37 00, i 22 37 11), 22 42 01
June 18 12 35 02, 13 29 17, 21 08 53
June 19 02 01 56, 03 45 10, 06 30 48, 15 56 39,
16 50 50 (i 16 52 29)
June 20 00 17 21, 04 45 27, 06 34 31, 23 05 11
June 21 05 21 02, 08 02 27, 15 49 15
June 25 01 42 49, 03 00 16 (i 03 00 25), 19 05 49

Supplement: Times of P for additional shocks at Isabella
June 16 14 23 37 (i 14 23 49)

Supplement: Times of P for additional shocks at Woody
June 22 08 29 04, 15 09 08, 18 08 18
June 23 04 35 39, 10 12 12, 15 15 31, 22 44 02 (i 22 44 27)
June 24 01 40 10, 03 15 18 (i 03 15 33), 10 55 43
(pP 10 55 56), 12 08 49 (i 12 09 08), 14 22 36 (i 14 22 46)
June 26 10 07 54, 13 29 14
June 27 08 30 26, 13 45 54, 13 58 20
June 28 04 26 34, 11 33 29, 18 02 16 (pP 18 02 45), 19 09 01,
19 19 54 (i 19 20 03), 20 58 53 (pP 20 59 52)

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 July 18, 1962

PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



ditional:

June 29	eP	22 40 13
July 1	iP	01 44 29

ntinuation:

July 3	iP	18 35 01
	i(S)	45 50
	e(SS)	51.7
	e	56.4
	eL	58.4
	eR	19 03.6
	Distance	90°?
	MH	5 20
5	eP?	17 53 10
	eS?	18 03 12
	eSS	08.8
	eR	17.3
	Distance	82°?
5	eP	20 52 43
6	eP?	09 34 14
	eS?	41 30
6	iP	17 00 56
6	iP	23 19 38
	Compression from north	
	epP	23 20 27
	isP	57
	iP"	23 49
	iPP	24 09

July 6	iSKS	23 29 57
	i(S)	31 27
	iPS	34.6
	Distance	110
	Depth	220 km
	Magnitude	6 $\frac{3}{4}$
	PPZ	2 $\frac{1}{2}$ 5
	PPH	1.3 3
	Hindu Kush?	
(7)	iP	06 21 22
	iS	28 18
	eR	35.1
	Distance	50°
	Magnitude	5 $\frac{3}{4}$ - 6
	PZ	$\frac{1}{4}$ 1
	SH	1 $\frac{1}{2}$ 6
7	eP	21 31 03
8	iP	03 30 37
	ipP	47
	eS	37 37
8	eP	12 13 46
8	eP	13 05 09
10	iP	05 23 15
12	iP	09 44 23
13	iP	22 28 56
13	iP	23 05 57

upplement: Times of P for additional shocks at China Lake

June 29	03 49 03, 10 39 49 (i 10 40 01, i 10 40 23),
	17 18 02, 21 19 17
June 30	01 21 53, 14 10 25, 15 30 18
July 1	00 26 26, 01 44 36, 03 56 11, 05 19 54
July 2	19 31 42
July 3	06 35 14, 08 45 56, 13 46 32, 18 26 54, 21 29 29
July 4	08 07 29, 09 12 31, 17 13 34, 23 30 16
July 5	05 47 25, 07 45 11, 14 55 11, 20 19 57
July 6	02 22 12

upplement: Times of P for additional shocks at Isabella

July 6	02 31 29 (pP? 02 33 56), 09 29 53, 12 23 35 (pP? 12 24 00)
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upplement: Times of P for additional shocks at Woody

July 6	01 27 39, 13 40 10, 15 24 07, 16 53 29,
	18 47 25 (pP 18 47 52)
July 7	07 08 34 (pP 07 08 44), 07 22 58 (pP 07 23 08),
	10 28 02 (pP 10 28 12)
July 8	07 42 46, 09 14 14, 23 07 14
July 9	02 47 21, 09 57 41, 14 03 56
July 10	00 54 39, 04 33 45, 13 07 37 (pP? 13 08 29)
July 11	03 24 18, 07 01 18, 07 27 11, 09 06 55,
	12 54 41, 17 05 30, 22 33 11
July 12	01 52 04, 07 01 28

Violet M. Taylor
 Seismological Assistant

OBSERVATORY
 23 JUL 1962
 RICHMOND, D.

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
July 25, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Continuation:

July 14	iP	01 11 28
14	iP	19 45 50
	iL	47.5
	i!	48 13
	Distance	10°
14	iP	20 48 17
	ipP	31
15	iP	06 59 02
	i	29
	eS	07 08 40
	eR	19.4
	Distance	75°
15	iP	09 46 20
16	iP	04 59 09
16	iP	09 39 00
16	iP	13 01 37
	Compression from northwest	
	ipP	13 01 55
	iPP	03 02
	iS	07 14
	eG	09.8
	eR	10.8
	Distance	36°
16	iP	16 27 48
17	iP	04 19 52
17	iP	05 44 51
	Dilatation	
	ipP	05 45 02
	eS	54 56
	eSS	06 01.2
	eG	07.2
	Distance	83°
	Depth	50 km
17	eP?	09 47 00
	eS?	52 08
	Distance	35°?

July 17	iP	17 31 59
	iS	41 08
	eSS	45.9
	eG	50.9
	eR	53.4
	Distance	75°
18	eP	06 12 40
	i	56
18	iP	10 22 47
	Compression	
	iS	10 23 06
	e	24 56
20	iP	09 03 34
	i	46
	iS	04 59
	Magnitude	5 1/4
20	iP	17 17 21
22	iP	13 49 37
	Compression	
	eS	14 00 11
24	iP	21 14 19
	ipP	42
	iPcP	17 19
	ipPcP	47
	iS	19 12
	iS	19.9
	iS	21.9
	i(ScS)	25 36
	Distance	28°
	Depth	110 km
25	iP	00 22 18
	ipP	38
	i	49

KEW OBSERVATORY, SURREY, ENGLAND
 OBSERVATION NO. 1070
 DATE 30 JUL 1962
 TIME 00 22 18
 MAGNITUDE 5.1
 DEPTH 110 km

KEW
OBSERVATORY
30 JUL 1962
SURREY.

Supplement: Times of P for additional shocks at China Lake

July 12	22 58 43
July 13	04 23 38, 13 45 50, 20 13 56
July 14	08 08 20, 15 06 19, 20 28 37, 23 46 47
July 15	12 49 31, 14 53 35 (e 14 53 55), 15 24 18, 17 11 32, 19 47 02
July 16	06 29 16, 08 01 17, 08 40 46 (i 08 40 59), 09 38 19 (i 09 39 04), 20 19 02 (pP 20 19 50)
July 17	07 18 12, 17 31 42 (pP 17 31 55)
July 18	09 41 27, 14 53 28
July 19	11 27 21, 12 13 44 (pP 12 14 09)

Supplement: Times of P for additional shocks at Woody

July 7	06 00 47
July 19	22 17 17 (i 22 17 42, i 22 17 53)
July 20	01 31 47 (i 01 31 59, i 01 32 10), 04 44 29 (i 04 44 43)

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California

August 1, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)
July 26



Additional:

July 20	iP	16	39	15
23	iP	01	20	04
23	iP	15	09	35
24	iP	04	06	35

Continuation:

July 25	iP	04	44	50
Compression from north				
8	i	04	45	00
	iPP		46	06
	iS		50	34
	iG		52.9	
2	iR		55.3	

Distance 38°
Magnitude 6

	PZ	0.3	2
	PPZ	0.1	1½
	SH	13	20
	MH	15	20
	MZ	10	20

25	iP	06	15	34
	i		16	00

26	iP	04	34	02
26	iP!2	08	22	38

Compression from southeast

	iPcP	08	24	16
	iPP2			26
	iS		29	08
	iL		33.9	

2 Distance 43°
Magnitude 6¾

	PZ	1¼	1
	PH	0.6	1
	PPZ	5	3

	PPH	1	2	
	SH	10½	8	
	MH	500	30	
	MZ	397	30	
27	iP	12	46	20
	eS?		53	06
28	iP	00	16	17
	iS		26	03
	iR			54
	Distance	73°	37.8	
	PZ	½	2	
	MH	2½	20	
28	iP	14	04	45

RICHMOND, SURREY
Kew Observatory
Richmond, Surrey

KEW
OBSERVATORY
- 7 AUG 1962
RICHMOND,
SURREY.

Supplement: Times of P for additional shocks at China Lake

July 21	21	09	24,	21	47	34
22	00	30	49,	00	55	12, 10 11 57
25	07	26	31,	11	18	26, 14 47 12
26	02	42	33,	07	14	15

Supplement: Times of P for additional shocks at Woody

July 21	13	23	07,	19	35	58
22	04	34	17,	18	21	23
23	07	31	04,	23	21	55 (i 23 22 10)
24	10	22	21			
25	00	54	04,	03	55	22
26	03	01	47 (i 03 01 54),	05	15	23
27	01	29	06 (pP 01 29 35),	06	24	16, 13 19 42

Violet M. Taylor
Seismological Assistant

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SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
August 7, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



ditional:
ly 28

iP	06	14	12
ipP			23
28 iP	06	54	30

ntinuation:
ly 28

iP	19	54	52
eP	17	30	24
iPP ²		33	33
iS		41	05
iPS		43.3	
eSS		48.8	
eG		57.4	
iR	18	01.3	

Distance 100°
Magnitude 6³/₄ - 7

	mu	sec
PZ	0.1	1
PH	0.1	1
PPZ	2	2
PPH	1 ¹ / ₂	2
SH	3	24
MH	38	20
MZ	24	20
iP	20	27 29
i		53
iPP		29 51
i		34 25
iS		35 15
i		37 19
iR		42.2

Distance 57°
Magnitude 6³/₄

	mu	sec
PZ	0.3	1
PH	0.3	1
PPZ	3/4	1
PPH	1	2
SH	6	8
MH	20	20
MZ	35	20
iP	01	24 19
iP	11	36 02
iP	04	50 39
eP		53 48
iPP ²		54 44
iSKS	05	01 17
eS		02 09
i		37
iPS		03.5
i		04.1
iSS		08.4
iSSS		12.6
eG		17.6
iR		21.2

31
31
g. 1

Aug. 1

Distance 100°
Magnitude 6¹/₂ - 6³/₄

	mu	sec
PZ	0.1	1
PPZ	0.3	2
PPH	0.2	2
SH	2 ¹ / ₂	10
MH	21	20
MZ	14	20
1 iP	11	19 28
3 iP	08	08 58
3 iP! 2	09	07 45

Dilatation from southeast

ipP	09	08 48
isP		09 08
iPP ²		10 33
iS		17 11
iScS		43
iSS		22.4
iSSS		26.3
iG		28.4
iR		32.3
eP'P'		35 02
i		14

Distance 74°
Depth 250 km
Magnitude 7 - 7¹/₄

	mu	sec
PZ	16	4
PH	2	1 ¹ / ₂
PPZ	2	2 ¹ / ₂
PPH	1 ¹ / ₂	3
SH	9 ¹ / ₂	7
3 iP	10	17 32

Compression

3 eP	10	29 15
4 iP	02	55 56
eS	03	01.1
eG		03.4
eR		04.9

Distance 36°

Kew
OBSERVATORY
13 AUG 1962
RICHMOND,
SURREY.

Violet M. Taylor
Seismological Assistant

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SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California

August 17, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Additional:

July 27	iP	19 38 43
	i	39 36
28	iP	02 41 40
28	eP?	20 57 39
29	iP	04 49 47
30	eP?	10 25 49
Aug. 2	iP	13 39 48
2	eP	23 10 07

Aug. 6 Distance 85°

		mu	sec
	MH	5	20
	MZ	7	20
9	iP	04 30	31
9	iP	06 31	26
10	iP	21 14	38
	i		56
11	iP	01 58	40

Continuation:

Aug. 6	iP 2	01 45 59
	Compression	
6	iS	01 54 34
	e	02 01.5
	iG	01.7
2	iR	07.2

Dilatation

ePP	02 01 48
iS	07 54
11 eP	06 58 54
eS	07 08 19
eG	17.3
eR	20.5

Distance 75°
Magnitude 6 1/4

	mu	sec
PZ	0.2	1
PH	0.1	1
SH	0.8	10
MH	11	20
MZ	11	20
8 iP	09 00 03	
6 iP	21 04 16	
i		32
iS	14	36
e	23.5	
eG	25.9	
iR	29.1	

RICHMOND OBSERVATORY, 220 NORTH SAN RAFAEL AVENUE, PASADENA 2, CALIFORNIA

Supplement: Times of P for additional shocks at Woody

July 27	23 09 03
July 28	10 15 07 (pP 10 15 32), 22 06 07
July 29	03 50 28
July 30	07 07 52 (i 07 08 24), 11 02 39 (i 11 02 51), 14 16 39, 15 23 03, 16 11 57, 16 53 52, 19 06 37, 21 05 13
July 31	01 29 59 (i 01 30 12), 02 32 42, 05 21 51, 05 26 56, 07 34 11, 11 45 06
Aug. 1	04 01 36, 05 33 47, 12 50 51 (pP 12 51 20, sP 12 51 29), 13 00 10 (13 00 20)
Aug. 2	04 48 57
Aug. 3	07 35 28
Aug. 4	05 50 48, 17 51 21, 22 32 49
Aug. 5	00 04 12, 01 53 44, 02 58 57, 15 21 09 (i 15 21 33)
Aug. 6	04 20 44, 09 35 07 (i 09 35 27), 19 36 22 (pP 19 36 32)
Aug. 7	00 55 18, 06 30 39, 19 30 36
Aug. 8	07 17 35, 09 30 27, 10 32 13, 11 02 27 (pP 11 02 39), 12 25 07, 12 35 06, 13 47 57, 17 28 21, 18 07 22
Aug. 9	00 32 34, 13 00 47 (i 13 01 14), 17 37 46, 22 41 40 (pP 22 41 57)
Aug. 10	09 23 26 (pP 09 23 38), 13 32 06

Violet M. Taylor
Seismological Assistant

RICHMOND OBSERVATORY
23 AUG 1962
RICHMOND, SURREY.

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SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 August 24, 1962

PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Continuation:

Aug. 11	iP	08 29 02
	Compression	
	ipP	08 29 37
	iPP	32 22
	i	33 04
	eSKS	39 21
	iS	28
	isS	40 11
	iPS	30
	iR	56.8
	Distance	84 ⁰
	Depth	150 km
	Magnitude	6
		mu sec
	PZ	0.2 1 1/2
	PPZ	0.1 1 1/2
	SH	8 8
13	iP2	06 44 15
	Dilatation	
	iPcP	06 45 37
	ePP	46 06
	iS	51 10
	eSS	54.8
	iG	56.0
	iR	58.3
	Distance	48 ⁰
	Magnitude	6 1/2 - 6 3/4
		mu sec
	PZ	0.9 2 1/2
	PH	0.3 2
	SH	17 20
	MH	11 20
15	iP	08 29 23
	ipP	33
15	iP	10 18 52
15	iP	11 28 56
	ipP	29 08
17	iP	03 35 45
17	iP	05 23 13
	ePP	43
	eSKS	29 41

Aug. 17	eS	05 31 03
	eSS	38.7
	eG	49.1
	eR	53.5
	Distance	110 ⁰
		mu sec
	MH	3 1/2 20
	MZ	3 1/2 20
17	iP	07 35 44
	i	36 37
17	iP	16 30 50
18	iP2	16 50 51
	iPP	52 04
	iS	56 27
	eG	59.2
	eR	17 01.8
	Distance	46 ⁰
	Magnitude	6 - 6 1/4
		mu sec
	PZ	0.3 1
	PH	0.1 1
	SH	1 1/2 6
	MZ	3 20
18	iP2	17 53 11
	ipP	34
	isP	54
	iPP	54 41
	iS	59 23
	eG	18 01.5
	eR	04.3
	Distance	48 ⁰
	Magnitude	6 1/4 - 6 1/2
		mu sec
	PZ	0.4 1
	PH	0.1 1
	SH	2 6
	MH	6 20
	MZ	5 20
19	eP	18 40 30

Supplement: Times of P for additional shocks at China Lake

Aug. 11	02 17 02
Aug. 12	03 49 24, 19 14 16, 20 47 39
Aug. 13	10 15 29, 11 03 14, 20 24 01, 22 18 18 (i 22 18 36)
Aug. 15	01 34 27, 02 57 35, 03 20 34, 18 20 22, 20 02 56
Aug. 16	08 57 30, 14 58 16

Supplement: Times of P for additional shocks at Woody

Aug. 14	11 53 32
Aug. 17	00 43 51, 01 18 39, 02 45 27, 03 16 49, 05 18 51,
	11 59 53

Violet M. Taylor
 Seismological Assistant

KEW
 OBSERVATORY
 28 AUG 1962
 RICHMOND,
 VICTORIA

14 SEP 1962

RICHMOND, SURREY.

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California

September 10, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)

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Continuation:

19 eP? 18 56 44
eS 19 07 08
eG 16.0
eR 22.0
Distance 78°
19 iP 23 24 33
Dilatation
20 eP 10 44 36
i 47
iS? 45 32
Magnitude 5 - 5 1/4
20 Barrett:
iP 10 44 03
21 iP 17 37 10
21 i 18 45 12
Distance 93°?
Magnitude 6
mu sec
MH 4 20
21 iP2 21 20 20
iS 29 03
6 eSS 33.7
eG 36.6
2 iR 39.9
Distance 65°
Magnitude 6 1/4 - 6 1/2

Aug. 21

PZ 0.1 1
PH 0.05 1
SH 2 7
MH 90 20
MZ 50 20
23 iP 12 44 34
Compression
23 iP 12 53 20
23 iP! 19 31 27
iS 33 06
Distance 9°
Magnitude 5 - 5 1/4
Felt at Eureka, Calif.
24 iP 06 58 42
24 iP 09 15 47
ipP 54
iS 25 08
iScS 46
iSS 28.8
iG 34.0
iR 36.9
Distance 70°

plement: Times of P for additional shocks at China Lake

17 04 08 53, 22 45 18, 23 07 25
18 02 19 31, 04 12 59, 07 08 10, 19 32 18, 23 02 49
19 00 34 12 (pP? 00 35 10), 04 25 44 (pP 04 25 58), 06 32 35,
10 53 12, 14 54 04, 16 37 47, 22 30 30
20 11 33 54, 14 42 45, 19 33 50, 23 31 26
21 02 14 55, 02 54 46, 07 37 29, 16 22 37 (i 16 22 49), 17 16 02,
18 22 15 (ipP 18 22 27), 18 32 38, 21 18 30 (i 21 18 40),
21 19 04 (i 21 19 11), 22 01 51, 22 17 13
22 04 44 51 (i 04 45 03), 05 22 50, 05 41 59 (i 05 42 08),
12 18 25 (i 12 18 36)

plement: Times of P for additional shocks at Woody

23 04 06 31, 15 43 26, 19 28 48, 19 31 04, 21 11 40
24 02 58 21, 04 11 23, 06 26 21, 13 26 43, 18 25 59, 18 37 36,
21 50 39
25 00 39 55 (pP 00 40 08), 02 17 37 (pP 02 17 50), 03 09 41,
15 42 03, 15 58 22
26 11 11 36, 22 47 14
27 10 00 40 (pP 10 00 54)
28 00 41 32, 00 51 30, 03 01 56, 08 10 05, 12 54 02, 15 46 40
29 02 25 06 (i 02 25 23), 05 51 07 (i 05 51 49), 07 44 22,
07 49 54, 08 43 27, 10 22 29, 12 33 18, 15 26 27 (e 15 26 42),
20 32 25, 22 15 36
30 06 52 42, 11 47 14, 11 48 52 (i 11 49 03)
31 09 11 46, 16 35 48, 21 31 33 (i 21 31 49)

Violet M. Taylor
Seismological Assistant

KEW
OBSERVATORY

14 SEP 1962

RICHMOND,
SURREY.

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
September 10, 1962

PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)



Continuation:

19-25 IP 2 08 42 56
 Compression
 4 ipP 08 44 59
 iS\ 52 13
 Distance 80°
 Depth 580 km
 Magnitude 6

	mu	sec
PZ	1/2	1
PH	0.3	1
SH	5	8

26 ip 07 01 28
 i 36
 eS 11 24
 eG 40
 eG 22.8
 eR 25.6
 Distance 80°

26 ip 23 52 38
 Dilatation

27 ip 02 30 29
 Dilatation

27 ip 16 32 01

28 ip 08 24 53
 eS 28 43
 eR 30.0
 Distance 21°

28 ip 2 11 13 32
 ipP 14 11
 ip' 17 38
 iPP\ 43
 i 18 24
 iSKS 23 59
 esS 25 47
 iSP 26 24
 iPKKP 29 49
 eSS 31.8
 eP'P' 38 05
 eG 42.1
 eR 47.6
 Distance 100°
 Depth 100 km (possibly
 150 km)
 Magnitude 6 3/4

	mu	sec
PZ	0.2	1
PH	0.1	1
PPH	0.1	1 1/2
MH	5 1/2	20
MZ	3 1/2	20

Aug. 28 ip 17 01 12
 28 ip 23 05 46
 i 09 17
 29 ip 08 55 17
 eG 59.9
 eR 09 00.6
 29 ip 09 31 46
 29 ip 22 49 13
 i 21
 eS 59 19
 eG 23 10.6
 eR 13.8
 30 ip 13 37 46
 eS 39 37
 iLg 40 15
 Distance 9°
 Magnitude 5 3/4 - 6
 Felt in Utah and Idaho

30 ip 17 29 42
 i 56
 eS 39 30
 eG 49.9
 eR 52.9
 Distance 80°

31 ip 10 45 15
 eS 54 48
 eG 11 04.4
 eR 07.4
 Distance 75°

31 ip 2 17 11 14
 Compression
 iS\ 17 18 04
 iSS 21 04
 iR 24.0
 Distance 48°
 Magnitude 6 3/4

	mu	sec
PZ	1/2	1 1/2
PH	1/2	1 1/2
SH	1 1/2	6
MH	10	20

31 ip 18 04 38

Violet M. Taylor
Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 September 14, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Continuation:

Sept.	Time	Station	Time	Sept.	Time	Station
1	03 54 35	iP1	2	00 27 10	eP	
		Compression	2	03 11 00	iP	
4	04 01 26	iS	2	15 41 00	eP	
	06.8	iR	4	15 23 38	iP	
		Distance 48°	4	17 19 28	iP	
		Magnitude 6 1/2		21 54	iS	
		μ sec				
		PZ 1/4 1 1/2				
		MH 7 20				
1	04 50 10	iP	5	08 45 51	iP	
		i	5	16 06 32	iP	
1	05 04 27	i(P)		08 47	iS	
		Compression				
		i	7	23 42 38	iP	
		i		43 02	iS	
1	07 59 38	iP1	7	23 49 46	iP	
		iS	9	19 19 30	iP	
		Distance 48°	10	15 55 05	iP! 2	
		Magnitude 6 1/2				
		μ sec				
		PZ 1/4 1 1/2				
		MH 3 20				
1	19 35 15	eP2	6	15 57 18	ippP	
		eP'		58 18	isp!	
		iPP2		16 04 24	is!	
14	42 00	i		05 16	eSP	
	46 00	iSKS				
	47 30	iS				
	49 12	iPS				
	55.0	iSS				
	20 05.9	eG	10	18 00 48	eP?	
	08.9	iR		01 16	i	
2		Distance 110°	10	20 16 35	iP	
		Magnitude 7 - 7 1/4	12	12 39 37	iP	
				40 15	i	
		μ sec				
		PZ 1 10				
		PH 1 20				
		PPZ 0.3 1 1/2				
		PPH 0.3 2				
		MH 70 20				
		MZ 60 20				

6
 GRAVITY
 KEW OBSERVATORY
 RICHMOND, SURREY

KEW OBSERVATORY
 18 SEP 1962
 RICHMOND, SURREY.

Supplement: Times of P for additional shocks at Woody

pt.	Time	Station
1	07 05 44, 07 50 26	
2	16 24 44, 21 59 48	
4	03 54 02, 08 38 48, 19 41 04 (pP 29), 21 56 24	
5	11 30 47	
6	11 00 47, 15 15 46 (pP 16 12), 18 19 03 (pP 30)	
7	08 00 42, 12 23 29	
8	00 04 53 (pP 05 19), 01 07 08, 07 39 48	
9	03 07 00, 03 32 39 (pP 33 05), 14 52 22 (i 54 56), 15 27 46	
10	10 06 18 (i 38), 13 59 06	

Violet M. Taylor
 Seismological Assistant

SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 September 20, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:

Sept. 11 iP 18 03 31

Continuation:
 Sept. 12 eP 21 11.3
 iPP₂ 15 48
 e(S) 23 33
 iPS 25 14
 iSS 31 26
 eL 53.1

Distance 110°
 Magnitude 6½ - 6¾

	μ	sec
PPZ	0.2	2
PPH	¼	2
MH	15	20
13 iP	08 18	11
13 eP	14 01	45
13 iP?	19 28	24
14 eP	14 03	11
14 iP	18 29	14
Dilatation from SW		
15 iP ₂	23 01	07
Dilatation		
1 ipP	23 01	24
iS 1	09 33	
eP'P'	30 06	
Distance 64° Depth 60 km Magnitude 6½		
	μ	sec
PZ	0.3	1
PH	0.1	1
SH	1	5
MH	7	20
MZ	3½	20
16 iP	03 09	59
i	10 18	
i(S,L)	13.9	

Sept. 16 eP 03 17 41
 16 iP 05 36 44.4
 iS 37 05.9

Distance 190 km
 Magnitude 4.8
 Felt at Fresno, Bakersfield and Los Angeles.
 V-VI MM at China Lake.

16 iP 13 08 04
 17 iP 18 06 54

Dilatation
 i 18 09 10
 eS? 16 14
 eL 21.0

18 iP₂ 00 37 00
 Compression from southeast

iPP₁ 00 38 45
 iS 1 43 35
 iG 48.0
 iR 49.8

Distance 45°
 Magnitude 7

	μ	sec
PZ	0.8	1
PH	2	2
PPH	4	5
SH	42	10
MH	300	30
MZ	150	30
18 iP	05 21	34
Dilatation		
i	05 21	43
eS	28 03	
eG	31.5	
eS	34.0	

Distance 45°

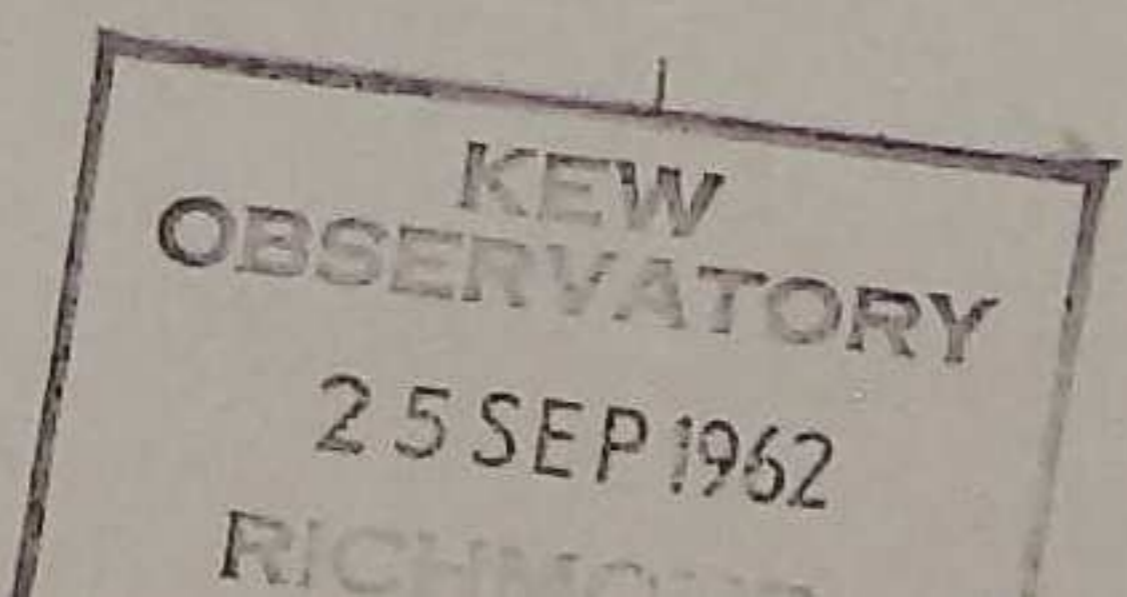
Supplement: Times of P for additional shocks at China Lake

Sept. 2 05 46 10
 Sept. 10 17 18 39, 21 59 15
 Sept. 11 20 21 51

Supplement: Times of P for additional shocks at Woody

Sept. 12 18 32 18
 Sept. 13 05 14 17, 13 03 11
 Sept. 14 17 34 55
 Sept. 15 01 08 36, 03 38 24, 06 36 45 (i 57, i 37 10), 11 29 54,
 12 30 00 (ipP 20), 19 17 20 (i 32), 23 39 39
 Sept. 16 05 36 28.4
 Sept. 17 01 16 57, 03 28 24, 05 10 50, 07 39 43, 15 53 49 (pP 54 06)

Violet M. Taylor
 Seismological Assistant



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SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 October 1, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:

Sept. 16 China Lake:
 iP 05 36 22.8
 Fort Tejon:
 iP 05 36 37.0
 Tinemaha:
 iP 05 36 39.8
 Santa Barbara:
 iP 05 36 50.0
 Hayfield:
 iP 05 37 01.2
 Epicenter near 35° 46' N,
 118° 03' W
 O = 05:36:16

Sept. 26	iP?	12 57 10
	i	20
	eS	13 07 43
	ePS	08 27
	eG	18.4
	eR	22.4
	Distance 82°	
27	iP	08 01 41
	i	02 25
	eR	36.9
27	iP	13 18 26
27	iP	13 36 10
28	iP (or P')	19 04 40
	i	05 03
	i (PP)	09 51
	i	12 15
	i (SKS)	14 12
	e	16 19
	No clear surface wave. Interpretation uncertain.	
(29)	iP 2	15 28 59
	Dilatation	
	ipP	15 31 02
	i	32 10
	iS	38 20
	iSP	39.1
	iSS	41.9
	iSS	43.9
	iSSS	47.4
	iG	50.9
	eSKPP'	57 59
	Distance 81°	
	Depth 580 km	
	Magnitude 6½	
	PZ	0.8
	PH	0.2
	SH	8
		sec
		1
		1
		6

Continuation:

Sept. 18 iP 20 24 28
 18 eP 21 58 19
 eS 22 08 00
 eG 17.0
 eR 20.4
 19 iP 00 18 22
 19 iP 01 30 33
 19 iP 01 50 12
 19 iP 05 18 01
 19 iP 08 01 41
 21 iP 15 05 52
 22 eP 07 10 40
 i(S) 20 05
 eL 40 -
 23 iP 07 14 51
 23 iP 15 57 21
 Dilatation
 24 iP 14 49 43
 eS 58 59
 eG 15 07.6
 eR 10.8
 Distance 70°
 25 iP 07 43 18

Supplement: Times of P for additional shocks at China Lake
 Sept. 18 01 09 34, 03 30 16, 05 03 15, 23 22 38 (pP 23 32)

Supplement: Times of P for additional shocks at Woody
 Sept. 1 04 06 52, 08 55 25
 Sept. 8 13 13 02
 Sept. 12 14 28 57 (i 29 14)
 Sept. 16 22 58 40
 Sept. 19 11 12 26
 Sept. 20 06 29 04, 11 09 01, 14 20 41, 16 58 12, 18 15 18
 Sept. 21 05 12 37, 05 49 40, 08 55 20, 09 16 56
 Sept. 22 03 46 58, 06 55 42, 07 21 06, 11 12 58, 15 10 20,
 15 21 15 (i 32), 18 12 23
 Sept. 23 07 11 17, 07 22 16, 12 28 38, 17 34 12
 Sept. 24 07 21 11, 09 35 07 (pP 35), 14 08 20 (pP 57), 14 30 45,
 14 41 17, 14 56 01 (pP 57 01)

Violet M. Taylor
 Seismological Assistant

KEW
 OBSERVATORY
 8 OCT 1962
 RICHMOND,
 SURREY.

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SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 October 12, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Correction:
 Sept. 25 iP 07 43 18
 should read:
 iP 07 42 18

Additional:
 Sept. 27 iP 07 00 51
 27 iP 18 38 28
 Oct. 1 iP 10 09 50

Continuation:
 Sept. 29 iP 23 38 39
 30 eP 06 56 37
 e 50
 e 57 04
 30 iP 11 01 19
 30 iP 11 11 53
 ipP 12 03
 Oct. 1 iP 04 07 51
 Compression
 ipP 04 09 46
 1 eP? 12 33 51
 i 36 13
 1 iP 20 54 07
 3 eP? 01 27 46
 e 30 21
 eR 51.9
 6 iP 03 28 05
 eR 48.9
 6 e(P) 04 36 13
 iPP 39 41
 i(S) 46 47
 I 48 08
 iSS! 52 54
 iG 59 11
 iR 05 02.8
 Distance 90°
 Magnitude 6½

	μ	sec
MH	25	20
MZ	20	20

Oct. 6 iP 05 51 56
 6 e(P) 08 16 22
 iPP 20 02
 iR 36.0
 4 Distance 90°
 MH μ sec
 5 20
 6 iP 11 13 07
 i 59
 6 eP 23 44 12
 i 23
 eS 54 52
 ePS 55.9
 9 eSS 24 00.9
 eG 07.3
 eR 11.0
 Distance 90°
 MH μ sec
 7 20
 8 MZ 3½ 20
 eP 22 10 01
 ePP 15 16
 eSKS 20 45
 eS 21 40
 ePS 23.1
 iG 37.9
 eR 41.3
 Distance 100°
 Magnitude 6
 MH μ sec
 5 20
 MZ 7 20

Supplement: Times of P for additional shocks at Woody

Sept. 25 00 34 13, 02 49 50, 10 34 25, 15 03 02
 Sept. 28 05 27 13, 05 41 03 (pP 41 15)
 Sept. 29 01 34 28, 05 33 21 (i 49)
 Sept. 30 14 38 42
 Oct. 1 10 03 57, 12 32 41 (e 33 52), 12 43 11, 12 47 14, 12 59 56,
 13 15 43 (pP 55), 15 20 31
 Oct. 2 08 46 44
 Oct. 3 05 39 25 (pP 38), 17 26 35 (pP 45), 19 07 45
 Oct. 4 09 49 17, 13 34 27, 20 47 48
 Oct. 5 09 13 09, 10 35 56, 13 13 45
 Oct. 6 04 05 50, 04 47 47, 07 29 45, 08 09 04, 08 44 34, 13 42 50,
 14 14 31, 18 13 51, 22 53 33
 Oct. 7 01 02 47 (e 04 57), 06 25 57, 09 00 15

KEW
OBSERVATORY.
 16 OCT 1962
 RICHMOND,
 SURREY.

Violet M. Taylor
 Seismological Assistant

SEISMOLOGICAL LABORATORY
220 North San Rafael Ave.
Pasadena 2, California
October 26, 1962



PROVISIONAL READINGS AT PASADENA
(and auxiliary stations as noted)

Correction:

Sept. 23 Woody: 12 28 28
should read 12 13 28

Continuation:

Oct. 9 iP 20 28 02
e 31 57
iPS 40 20
iSS 45.8
iG 53.6
iR 57.5
Distance 97°
Magnitude 6 1/4

	μ	sec
MH	10	20
MZ	7	20
10 iP	13 52	18
12 iP	08 07	19
Dilatation		
14 iP	00 42	46
16 i(P)	18 10	56
e(G)	20.7	
iR	23.4	
18 iP	04 24	58
ipP	25 09	
19 iP	04 25	00
ipP		32

Oct. 19 iP 21 25 40
Dilatation
iG 21 28 57
eR 25.8
Distance 19°
iP 15 33 36
eS 42 27
Distance 65°
iP 06 28 17
iP 02 11 58
Compression
ipP 02 12 11
isP 18
eS 17 21
eG 15.5
Distance 34°
Depth 60 km
25 iP 07 47 41
25 iP 09 48 38
e 52 53
ePP 53 08
iSKS 59 15
ePS 10 02.5
eG 19.4
eR 24.4
Distance 110°
25 iP 12 48 02

Supplement: Times of P for additional shocks at China Lake

Sept. 27 09 29 34 (pP? 30 11)
Oct. 4 19 01 54
Oct. 5 04 25 30, 08 50 19
Oct. 7 16 19 10
Oct. 8 05 25 10

Supplement: Times of P for additional shocks at Woody

Oct. 8 18 04 56 (i 05 13), 19 07 18 (e 40), 22 37 37
Oct. 9 03 26 30 (i 43), 04 39 18 (i 40 37), 18 54 54
Oct. 10 05 01 22, 08 02 58 (pP 03 10), 09 32 00, 11 51 58, 14 45 44,
16 31 07, 17 28 54, 19 25 15, 21 05 38, 22 04 00 (pP 33)
Oct. 11 00 59 52, 06 31 50, 16 16 04
Oct. 12 01 57 41, 11 55 04, 19 16 13
Oct. 13 01 04 26, 05 16 09 (i 16 16), 07 46 35, 19 00 19
Oct. 14 03 41 34, 07 36 16, 15 21 37 (pP 46), 21 25 17
Oct. 15 00 38 08, 03 25 20, 08 20 05 (pP 20 20), 14 12 38 (i 52)
Oct. 16 03 02 21 (i 35, i 45), 05 34 10, 10 03 06, 10 32 56,
18 16 08 (i 16, i 26), 21 25 12 (i 26)
Oct. 17 12 50 50
Oct. 18 04 34 49 (i 35 02), 08 51 28 (pP 52 05, sP 52 23), 11 33 14
(pP 52, sP 34 09), 19 55 53 (pP? 56 31), 19 58 53, 19 59 24
Oct. 19 09 58 24

Kew
OBSERVATORY
29 OCT 1962
RICHMOND,
SURREY.

Violet M. Taylor
Seismological Assistant

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SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 November 2, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Correction:

Oct. 22 iP 15 33 36
 should read:
 iP 15 33 56

Continuation:

Oct. 25 iP 16 00 17
 ePP 02 02
 e(ScP) 05 50
 eS 06 36
 eG 11.8
 eR 14.8
 Distance 43°
 25 eP 16 04 52
 27 iP 08 16 43
 i 57
 eL 24.8
 27 iP 13 59 53
 28 iP 22 58 48
 i 59 04
 i 25
 ePcP 23 01 52
 eS 03 30
 eG 05.7
 eR 07.4
 Distance 30°?
 29 iP 00 27 36
 e 29 25
 eS? 34 10
 eL 38.8
 29 iP! 02 43 13.9
 Compression from northeast
 iS 02 43 28.1
 Distance 120 km
 Magnitude 4 3/4 - 5
 Intensity VI at Big Bear.
 Felt at San Bernardino
 and Palm Springs, and as
 far as San Diego and
 West Los Angeles.
 29 iP 09 43 02

Oct. 29 iP? 16 16 40
 29 iP 21 11 18
 i 12 09
 e(S) 19.3
 iG 26.1
 eR 28.8
 Distance 60°
 30 eP! 02 05 51
 i 06 01
 eSS? 26.9
 eG 45.6
 eR 53.3
 Distance 140°?
 30 iP 08 38 38
 i 55
 eS? 44.5
 iG 46.8
 eR 48.3
 Distance 38°
 31 iP2 11 40 32
 Compression from
 southeast
 iPP 11 42 21
 iS 47 10
 iR 54.0
 Distance 46°
 Magnitude 6 1/2
 μ sec
 PZ 0.6 1 1/2
 PH 0.4 1 1/2
 SH 8 25
 MH 15 30
 MZ 15 30
 31 iP 13 36 02

KEW
 OBSERVATORY
 - 8 NOV 1962
 RICHMOND,
 CALIFORNIA

Supplement: Times of P for additional shocks at Woody
 Oct. 19 17 26 42
 Oct. 20 00 00 46 (i 01 21), 03 47 07 (pP? 49 09), 05 48 58, 06 44 29,
 11 13 13 (i 26), 16 28 26, 19 27 50
 Oct. 21 00 36 20?, 00 36 45, 13 18 50, 15 37 57
 Oct. 22 02 46 48, 04 48 07, 09 17 30, 22 30 31 (pP 42)
 Oct. 23 00 37 22, 00 58 00 (pP 13), 03 38 11, 09 11 06,
 10 09 55 (pP 10 31)
 Oct. 24 01 58 48, 05 16 06, 11 32 45
 Oct. 25 03 51 35, 10 03 51, 21 31 21
 Oct. 26 07 33 17, 11 52 01, 13 52 22
 Oct. 27 02 11 44, 10 04 53, 10 27 43

Violet M. Taylor
 Seismological Assistant

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SEISMOLOGICAL LABORATORY
 220 North San Rafael Ave.
 Pasadena 2, California
 November 13, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:

Oct. 29	iP!	02 43 03.9
	iS!	11.7
	Palomar:	
	iP!	02 43 11.6
	Hayfield:	
	iP!	02 43 15.5
	Barrett:	
	iP!	02 43 22.8
	iS	43.4
	China Lake:	
	iP	02 43 21.8

Continuation:

Nov. 2	iP	19 14 33
3	iP	01 13 16
4	iP	23 06 14
	ePP	0, 37
	iS	16 54
	eG	29.7
	eR	4.1
	Distance 90°	
	Magnitude 5 3/4 - 6	
		μ sec
	PZ	0.1 1 1/2
	MH	4 20
6	iP	03 3, 57
	iL	42 0,
	eLg	43 08
	Distance 12°	
6	iP	21 39 53
7	iP	13 08 43
	iL	31.1
8	iP	00 40 51
	i	41 41
	iS	47 06
	i(R)	50.2
	i(R)	52.2
9	iP	09 33 35
9	iP	14 03 20
9	iP	14 18 59

Nov. 10	iP ²	01 44 27
	iS	53 34
	iL	02 01.8
	Distance 70°	
	Magnitude 6 1/2 - 6 3/4	
11	iP	06 37 48
11	eP	07 59 21
	e	32
	e	08 00 26
11	iP	11 4, 54
	i	44 02
	i	15
	i	46 03
11	iP	12 08 49
	Dilatation	
11	iP	16 22 28
	Compression	
	i	16 22 41
	i	51
	iSKS	3, 01
	iS	17
	iPS	34 17
	eSS	38.5
	iG	45.5
	iR	48.7
	Distance 88°	
	Magnitude 6 1/4	
		μ sec
	PZ	0.1 1
	MH	7 20
	MZ	3 1/2 20
11	eP	21 49 14
		μ sec
	PZ	1 2
	PH	1/2 2
	SH	3 1/2 10

Supplement:

Times of P for additional shocks at Woody

Oct. 27	14 31 22, 16 27 01, 21 10 27, 22 22 30, 22 41 58
Oct. 28	01 05 10, 01 15 16 (i 23, i 31, i 40), 04 10 58, 11 44 53, 14 13 49, 15 18 48, 15 29 40, 18 01 14, 23 09 55
Oct. 29	00 17 44, 01 37 06, 11 00 24 (pP 37, PcP 02 49)
Oct. 30	00 06 26, 05 17 39 (pP 50), 15 25 56, 15 32 20, 15 53 47, 16 11 17, 19 34 10, 21 06 59
Oct. 31	23 17 43
Nov. 1	04 11 02, 09 58 46, 11 40 51, 13 35 29, 14 04 20, 15 13 10, 15 29 10, 15 47 29, 17 25 33, 18 06 20, 20 21 10, 20 24 02, 22 18 05, 23 31 57
Nov. 2	06 42 21, 07 07 13, 15 05 37, 15 12 10 (pP 23)

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Additional:

Nov. 6	Tinemaha:	
	eP	03 39 02
	Isabella:	
	eP	03 39 20
	Woody:	
	eP	03 39 20
	China Lake:	
	eP	03 39 21
	King Ranch:	
	eP	03 39 24
	Riverside:	
	eP	03 39 43
	Hayfield:	
	eP	03 39 54
	Barrett:	
	eP	03 40 02

Nov. 12	eP	19 40 57
14	iP	08 00 02
	i	14
	eS	10 13
	eG	20.5
	eR	23.5
	Distance 80°	
15	iP	16 04 30
	iS	14 45
	eG	27.9
	eR	31.5
	Distance 88°	
15	iP ²	23 34 52
	Compression	
	iS	23 42 43
	eR	49.5
	Distance 56°	
	Magnitude 6	

Continuation:

Nov. 11	iP ²	22 27 00
	Compression from south	
	ePP	22 30 21
	iSKS	37 29
	eS\	41
	iPS	38 41
	iSS	43.5
	eSSS	46.8
	iG	50.5
	iR	55.1
	Distance 88°	
	Magnitude 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$	
	μ	sec
	PZ	2 3
	PH	0.2 2
	SH	4 20
12	eP	13 02 21
	i	34

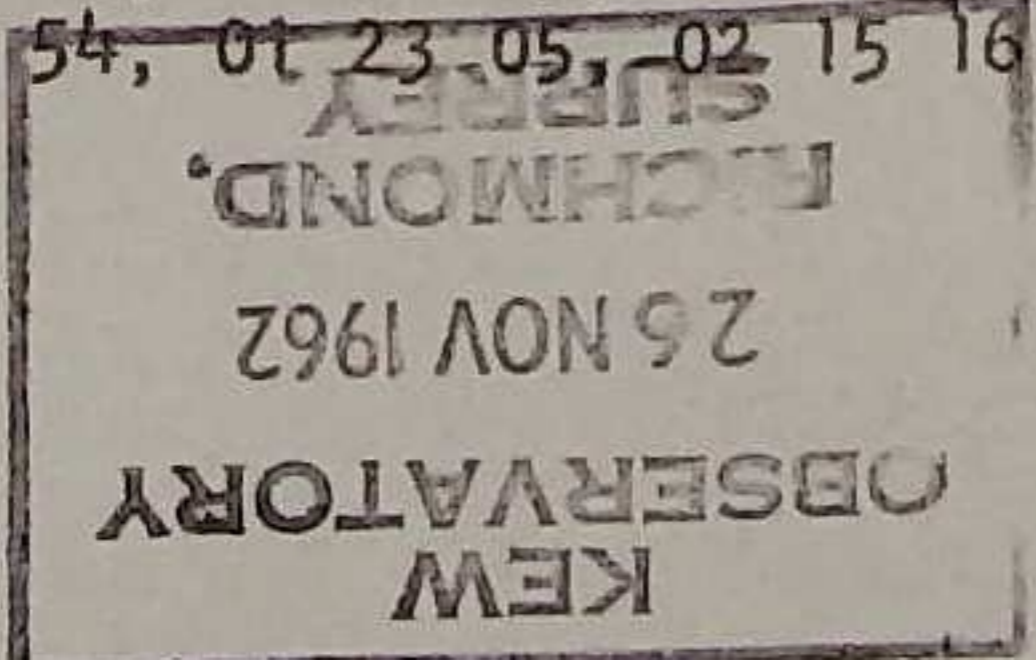
16	iP	06 48 09
15	iP ²	07 29 24
	Compression	
	iS\	07 38 24
	iSS	42.5
	iSSS	46.4
	iG	47.2
	iR	50.2
	Distance 70°	
	Magnitude 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$	
	μ	sec
	PZ	0.5 2
	PH	0.1 1 $\frac{1}{2}$
	SH	4 8
	MH	45 20
	MZ	28 20

Supplement:

Times of P for additional shocks at Woody

Nov. 3	07 09 31, 11 59 25, 14 40 41 (pP 41 15)
Nov. 4	01 54 30, 09 16 04, 19 42 11
Nov. 7	04 09 13, 05 23 22, 06 33 42, 16 21 37, 22 35 09 (i 24)
Nov. 8	00 12 49, 02 38 43, 03 30 41, 08 01 34, 10 06 40, 10 16 04, 15 25 51, 16 40 38, 17 30 38, 18 58 52, 21 24 38 (i 52, i 25 08)
Nov. 9	01 30 05, 17 18 16, 18 19 44, 21 18 37, 22 21 15
Nov. 10	00 11 36, 02 39 03, 03 23 46, 10 20 37, 10 50 48, 10 58 55, 19 43 37 (pP 48), 21 37 32, 22 26 09
Nov. 11	06 14 42, 10 52 58, 15 16 02
Nov. 12	08 37 02
Nov. 13	09 06 04 (pP 23), 10 05 22, 22 06 33
Nov. 14	05 28 21, 07 36 13, 16 21 49, 21 53 33, 22 56 13
Nov. 15	09 28 29, 11 32 05, 16 21 58, 16 38 40 (pP 54)
Nov. 16	00 04 54, 01 23 05, 02 15 16, 02 30 45, 05 48 53, 12 09 11

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Continuation:

Nov. 16	iP	10 04 38	Nov. 29	iP	07 43 18
16	iP	21 29 03	29	iP	09 15 50
17	iP	11 12 44	29	iP	19 19 21
	iS	17 24		eL	45.8
	eL	19.5		iP	21 56 31
	Distance 25°			iS	22 00 47
20	iP	07 04 02		eL	02.0
20	iP	07 42 38		Distance 23°	
20	iP	10 24 12			
	i	24		PZ	μ sec
23	iP	00 40 36		SH	1 4
	i	43		MH	6 5
	iS	49 08		30	10 20
	iSS	53 36		iP	23 51 25.1
	eL	58.3		iS	39.8
	Distance 63°			Magnitude 4	
24	iP	16 31 28	Dec. 1	iP	00 36 08.9
	eS	40 56		iS	23.9
	eScS	41 40		Magnitude 4 1/4	
	eSS	46.0	1	iP	04 29 30
	eG	50.5		i	46
	eR	54.5		eL	55.1
	Distance 75°		1	iP	21 13 45
27	iP	07 06 16	2	iP	00 41 57.9
27	iP	17 03 25		iS	42 13.4
28	iP	02 48 48		Magnitude 4 1/4 - 4 1/2	
	i	59	3	iP	13 01 59
	eS	59 44			
	eSS	03 04.6			
	eG	13.0			
	eR	15.9			
	Distance 90°				
28	iP	06 05 39			
	e	06 08			

Supplement: Times of P for additional shocks at China Lake

Nov. 21	07 19 16
Nov. 22	10 45 36
Nov. 26	16 11 00
Nov. 28	20 08 14
Nov. 29	04 11 01

Supplement: Times of P for additional shocks at Woody

Nov. 17	00 11 28 (pP 12 05), 14 49 55 (i 50 06), 22 34 59 (pP 35 20)
Nov. 18	07 12 45, 07 49 17, 12 11 47 (pP 12 12 25)
Nov. 19	04 29 01 (i 16), 10 27 04, 10 41 42, 14 44 15, 21 51 48 (pP 52 01)
Nov. 20	16 13 34 (i 44, i 49), 16 44 41
Nov. 21	05 59 53, 10 05 35, 19 38 13, 19 51 36 (pP 53 46)
Nov. 22	03 21 07 (i 27), 07 50 13, 13 57 02, 15 25 23, 20 45 33
Nov. 23	00 07 01, 00 13 48, 23 17 00
Nov. 24	07 41 49, 08 21 57, 10 45 43 (pP 47 33), 14 31 16, 16 02 27

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 PROVISIONAL READINGS AT PASADENA
 (and auxiliary stations as noted)



Additional:

Dec. 1 iP 01 58 02
 iS 02 04 14
 eL 07.3
 Distance 46°

Dec. 8 iP 18 12 08
 ipP 31
 isP 40
 iP₂ 18 29 51

Continuation:

Dec. 3 iP 10 48 35
 4 iP 03 35 25
 eS 40.2
 eL 42.1
 Distance 30°

8
 7
 2
 Dilatation
 iS 18 39 17
 eG 48.1
 iR 50.6
 Distance 73°

4 iP 07 34 14
 ipP 35 26
 4 iP 16 51 31
 eS 17 00 55
 eL 09.8
 Distance 71°

Magnitude 6 3/4
 μ sec

6 iP 03 56 47
 Compression
 6 iP 04 14 32
 ipP 51
 6 iP 06 57 11
 i 16

8
 6
 PZ 2 3
 PH 1/2 2 1/2
 MH 20 20
 MZ 15 20

7 iP₂ 14 15 22
 Compression
 ipP 14 16 15
 isP 55
 iPP₁ 18 41
 is\ 25 04
 10 isP 49
 iSS 30.7
 eP'P' 41 39
 iSKPP' 44 24

iP₂ 21 38 26
 Compression
 ipP 21 40 27
 isP 41 18
 is\ 47 41
 isS 51.3
 eP'P' 22 04 46
 eSKPP' 07 37

Distance 83°
 Depth 250 km
 Magnitude 6 3/4
 μ sec
 PZ 3/4 1
 PH 1 1
 PPZ 3/4 2
 SH 12 8

Distance 83°
 Depth 560 km
 Magnitude 6 3/4 - 7
 μ sec
 PZ 1.3 1
 PH 1.2 1
 SH 9 4
 8 iP 23 03 16
 9 iP? 21 05 43
 i(P) 56
 10 iP' 05 16 28
 iP₂' 17 58
 iPP 21 51
 eSS 42.7
 eL 06 09.7
 eR 19.3
 Distance 168°

Supplement:

Times of P for additional shocks at Woody

Nov. 24 17 36 14, 19 59 07
 Nov. 25 12 08 28, 14 02 19, 14 57 38, 18 48 28
 Nov. 26 09 42 31, 12 16 25, 13 39 51
 Nov. 27 04 15 24 (pP 36), 08 58 01
 Nov. 28 15 44 55, 21 18 15? (i 32), 22 19 13 (i 57)
 Nov. 29 07 43 04 (pP 21), 12 57 06, 15 53 29, 19 26 08
 Dec. 3 03 50 47, 18 59 25
 Dec. 4 06 27 18 (i 29), 08 48 54, 10 46 17 (i 39, i 47 41)

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 December 20, 1962
 PROVISIONAL READINGS AT PASADENA
 (and auxillary stations as noted)



Correction:

St. 3 iP 10 48 35
 should read:
 iP 10 48 45

Additional:

St. 4 iP 20 43 34
 St. 5 iP 01 28 57

Continuation:

St. 10 iP 06 24 57
 i 25 07
 eL 53.2
 10 iP 17 08 19
 i 27
 eS 18 40
 eG 31.8
 eR 33.1
 $\Delta 87^\circ$
 12 iP 10 22 11
 iS 32 15
 eSS 38.5
 eG 45.7
 iR 50.2
 $\Delta 90^\circ$
 12 iP 23 15 41
 i 59
 12 iP 23 18 55

Dec. 13 iP 04 28 16
 i 35
 13 iP? 08 12 45
 13 iP 15 03 58
 15 eP 06 36 36
 iS 38 22
 $\Delta 9^\circ$
 Magnitude $4\frac{1}{4} - 4\frac{3}{4}$
 18 iP 03 06 49
 18 iP 10 46 06
 ipP 58
 19 iP 13 09 42
 20 iP 08 44 22

Supplement: Times of P for additional shocks at China Lake

St. 11 00 40 29, 14 57 28, 18 04 15, 18 36 47 (e 37 00)
 St. 12 00 14 01 (e 16 20)

Supplement: Times of P for additional shocks at Woody

St. 4 04 31 10, 17 19 25, 18 56 43
 St. 5 05 22 11, 11 48 12, 12 35 43
 St. 6 02 25 29, 02 39 10, 07 19 56, 09 02 13 (i 51, i 03 51),
 10 15 35 (pP 53), 11 38 01, 17 25 45, 22 48 56
 St. 7 00 18 54, 03 02 11 (pP 27), 13 07 42
 St. 8 01 50 25 (pP 48), 23 27 00
 St. 9 10 28 43 (pP 54), 13 13 56 (i 14 06), 14 27 53 (i 28 01,
 pP 39), 20 02 55, 21 28 42
 St. 10 05 10 52, 10 39 31, 16 20 08 (pP 22), 23 23 31

Violet M. Taylor
 Seismological Laboratory

M E R R Y C H R I S T M A S

and

A H A P P Y N E W Y E A R T O A L L ! !

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 PROVISIONAL READINGS AT PASADENA
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Continuation:

Dec. 21	i(P or P')	01 03 21	
	i	05 00	
	i	17 00	
21	iP	06 35 24	
	i	49	
	i	37 38	
	iS?	41.4	
	I(L?)	44.5	
(21)	iP	08 50 29	
	i	40	
	i	47	
	iS	56 38	
	iL	59.4	
	$\Delta 37^\circ$		
	Magnitude $6\frac{1}{2}$		
		μ	sec
	PZ	$\frac{1}{2}$	$1\frac{1}{2}$
	SH	3	4
	MH	40	15
	MZ	35	15
21	iP	09 08 19	
21	iP	09 17 36	
	i	54	
	i	18 06	
21	iP	09 44 51	
	i	45 12	
21	iP	09 54 07	
	i	21	
21	eP	21 36 42	
(22)	iP	01 05 12	
	e(S)	15 54	
	iR	32.6	
	$\Delta 90^\circ$		
	Magnitude $6\frac{1}{2} - 6\frac{3}{4}$		
		μ	sec
	PZ	2	8
	MH	14	19
	MZ	11	19

Dec. 22	iP	02 18 52	
	i	19 10	
	e	20 40	
(22)	iP	15 28 05	
	eS	34 02	
	iL	37 18	
	$\Delta 37^\circ$		
	Magnitude $6\frac{1}{4}$		
		μ	sec
	PZ	$\frac{1}{2}$	2
	SH	21	20
	MH	35	15
	MZ	20	14
25	iP	12 21 08	
	iP?	15	
	eS?	30 33	
(26)	iP-2	22 34 35	
	Dilatation from northwest		
	iS	22 42 08	
	iG	47.5	
	iR	49.7	
	$\Delta 57^\circ$		
	Magnitude $6\frac{1}{2}$		
		μ	sec
	PZ	0.3	1
	PH	0.1	1
	SH	3	6
	MH	35	20
	MZ	17	20
26	iP	23 55 34	
	i	40	
	i	56 37	
27	iP	18 30 25	
	i	38	
	eS	40 04	
	eR	53.2	
	$\Delta 79^\circ$		

Supplement: Times of P for additional shocks at China Lake

Dec. 14	13 10 42, 13 18 40, 18 04 06, 18 12 25
Dec. 15	06 36 09 (S 37 31)
Dec. 17	11 18 07 (i 56)
Dec. 18	22 56 23 (i 32)
Dec. 19	11 14 27 (i 40)
Dec. 20	08 59 00 (e 09 01 05)

H A P P Y
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 N E W
 = = =
 Y E A R!!!!

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 Seismological Laboratory

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 - 4 JAN 1963
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