International Seismological Centre

SHASTA DAM SEISMOLOGICAL STATION

INSTRUMENTAL REPORT - January, February, March, 1944

The Shasta Dam station continued in routine operation throughout the period of the report.

The following earthquake swarms are of interest:

January 9 - 11 - Lassen Volcanic National Park Area. A number of light to moderate shocks, the following of which were felt at Mineral:
January 10, 7:44 a.m. PWT - Felt by one family in community. The Shasta Dam record for this time was defective.
January 10, 9:54 p.m. PWT - Felt by several in community. Floor lamp vibrated.
January 11, 10:55 a.m. PWT - Reported felt by 2 families. No record for this hour was obtained. However a moderate shock was recorded at 10:52 p.m. on January 10 which is probably the shock for which the questionaire was intended.
January 17, 14:22 - Felt by several, awakened few.

January 12 - 16 - 3 strong shocks and a number of smaller shocks occurred in the Humboldt Bay and Cape Mendocino regions, probably a few miles off the coast. The strongest, January 12, 8:03 a.m. PWT was reported felt in Eureka, Ferndale, Westport, Scotia, Cape Mendocino and Upper Mattole. No damage reported.
January 14, 9:24 p.m. PWT - reported felt in Ferndale and Upper Mattole. This may be an aftershock of the above. If so, the tentative epicenter indicated in the text probably is in error.
January 15, 7:26 p.m. PWT - reported felt in Ferndale and Upper Mattole.

Information relating to earthquakes reported felt was supplied by the Seismological Field Survey of the Coast and Geodetic Survey.

February 18, 2:18 p.m. to 8:25 p.m. PWT - 31 small local shocks or disturbances were recorded during this time. Distances ranged to 25 mi. from the station with more than half of them at 5 mi. or less.

March 6, off the Oregon Coast. This swarm is of some interest since epicenters thereof are in the general alignment of the San Andreas rift zone as it leaves the coast of northern California. The epicenter of the main shock, March 6, 20h 10m GCT, was tentatively placed at 44.7°N, 128.6°W or eastward thereof toward mainland depending on the time of origin which is a bit indefinite. Epicenters of certain aftershocks were probably 10 to 50 miles southeastward.

SHASTA DAM SEISMOLOGICAL STATION MONTH OF January 19 44 1.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
2	eP	04	37	15		–	+		15:02–	Δ = 57 mi. SE
	iP			15.6					+2.6	
	iS			26.3			80	50		
3	eP	13	18	07		–	–	–	15:13–	C 13:18:40
	iP			08.4	0.8			–15	+4.9	
3	iP	10	28	27.6				–10	+4.6	C 10:28:30.5
4	iP	01	07	06.3				–15	15:01– +5.8	
4	iP	23	24	50.8					15:17– +7.6	
5	iP	03	05	55.7	1.5		+	–20	+7.9	C 03:05:44
5	eP	04	19	43.5	1.3				+8	C 04:20:06
5	iP	04	35	09.6					+8	Very small local shock
	iS			20.9						Δ = 57 mi. E?
5	iP	11	08	24.5	1.5			–10	+8.5	C 11:08:27.7
5	eP	21	31	44					15:01–	C 21:31:37.5
	iP		33	34.6					+9.3	
6	iP	03	26	55.5		–15	–6	+	+9.8	Very small trace of region
	iS		27	16						shock - 100 mi. WSW
	iS			16.8			25			
6	iP	05	33	57.7		+2	–5	–	+10	Small local shock 18 mi. S
	iS		34	01.3			60			
6	iP	10	50	33.3		–80+	+20	?	+10.3	Light local shock
	iS			36.1		Disappears 200?				14 mi. W or WSW
6	iP	13	45	11.2	0.8	+3	–2	+5	+10.6	C 13:44:55.5
	iP			25.3	0.8	+15	–8	+20		
	i		47	34.1						
	i			49.6						
6	eP	16	55	15.5				+	15:01– +10.9	
7	iP	00	59	40.0	0.16	+50	+74	?+	+11.6	Light local shock
	iS			42.7	0.16	250+	300	100?		12½ mi. SSW

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7	eP	03	02	38.5	2.5			+	+11.7	Δ = 87° h = 70 mi.?
	ipP?		03	10						
	e		05	24						
	ePP		06	28						
	iS		13	05						
	eSS			53						
8	iP	00	13	31.5					15:00-	I Local shock
	iP			41.5		5			+13.5	Δ = 50 mi. M = 12 mi.
8	eP	19	29	18				+	15:08-	C 19:29:52.8
	iP			20.7				+20	+15.1	
	e		39	15						
9	iP	01	19	51		+			+15.5	Δ = 140 mi. W
	iS		20	18.5						
9	i	06	47	35					+16	I Δ = 45 mi.
	i			44						
9	iP	06	51	37.7		-10		+10	+16	Δ = 45 mi. E M = 7½ mi.
	iS			46.7						
9	iP	07	44	01.8					+16	I Δ = 46 mi. M = 9 mi.
	eS			11						
9	i	12	45	20.2					+16.5	I Δ = 46+ mi. M = 10 mi.
	i			29.3						
9	iP	13	13	17.0		-10	-10?	+	+16.5	Δ = 45 mi. M = 8½ mi.
	iS			25.9						
	iS			26.2		100				
9	i	14	26	27.4					+16.6	I Δ = 48 mi. M = 7½ mi.
	i			37.1						
	i			37.4						
10	iP	16	41	25.7					15+00+	I Δ = 53 mi.
	iS			36.3					-10.8	
10	iP	20	15	33.7	1.2;3	-	+	+30	-10.5	CGS 18.1°N, 100.6°W
	e		25	20						(Mexico) 0 = 20:10.0
	eL			42	4.0					Δ = 1620 mi.
10	iP	20	39	03.3	1.7	-	+	+25	-10.6	Aftershock of above
	e		48	23						
	e			51	3.5					
10	eP	21	54	59.6					-10.3	Δ = 57 mi. Mt. Lassen
	iS		55	11.0						M = 10 mi.
	iS			12.1						

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11	iP	01	44	40.5		1.0		+10	-10	C 01:44:56.3
	i		45	12.8						
11	iP	04	54	12.8		-10		+	-9.6	Moderate local shock
	iP			14.0				-25		Δ = 62 mi., SE of Mt. Lassen
	Coda			25.2	2.0			300+		M 8½ mi.?
11	iP	05	10	27.1					-0.6	Δ = 57- mi.
	iP			27.7						Mt. Lassen
	iP			28.2						
	iS			38.4						
	iS			39.1		130		100		
11	iP	05	12	57.2					-9.6	I Δ = 57½ mi. M 8½ mi.
	eS		13	08.7						Mt. Lassen
	iS			09.1						
11	eP	05	52	11.4		+	-	+	-9.6	Moderate local shock
	iP			12.2		+	-			58 to 62 mi. ESE
	iP			13.4						Felt at Mineral M 9? mi.
	iS			23.9						
	iS			24.6				300+		
	Coda				1.8					
11	iP	06	07	01.0					-9.5	Δ = 56 mi. M12½ mi.
	iP			01.5						Mt. Lassen
	iS			12.1						
	iS			12.5						
11	e	08	32	54.1					-9.4	I Δ = 52 mi. M 13 mi.
	i		33	04.2						Mt. Lassen
	i			04.8						
11	eP	21	39	58.4		-			-8.1	Δ = 58½ mi.
	iP			59.1						Mt. Lassen
	iS		40	10.1						
12	iP	06	31	11	1.8			-	-7.3	C 06:30?41
12	iP	07	48	11				-	-7.1	C 07:48:00
12	iP	09	37	55.4					-7	I Δ = 55 mi.
	iS		38	06.4						Mt. Lassen
	iS			07.0						
12	i	14	25	46.1	0.9				-6.5	
12	i	15	03	11.9	0.4			+5	15:00+	Strong Regional shock felt at
	iP			12.6	0.5			-40	-6.4	Eureka. III Record incomplet
	S			40-		Disappears				as seismic waves arrived at
	Coda				4.5					time of changing records.
										140 mi.? W

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12	iP	15	48	15.7		+15		+	-6.4	Aftershock of Eureka earthquake Δ = 140 mi. W
	iS			42.6				30		
	iS			44.4						
12	iP	16	06	07.6		+10		+	-6.4	Aftershock Δ = 140 mi. W
	iS			35.2						
	iS			35.6		20		10		
12	iP	19	15	13.7		-10	+3	+	-6.1	Δ = 56 mi. ESE Mt. Lassen
	iP			14.5				-		
	iS			24.8		60		40		
13	iP	03	26	31.7		-			-5.5	I Δ = 85 mi.
	eS			48.8						
14	iP	02	56	43.6					-3.4	I Δ = 100 mi.
	iS		57	04.1						
14	iP	03	43	55.6	.15;.6	+38	0	+30	-3.2	Δ = 100 mi. W
	i		44	01.8						
	iS			16						
	Coda				1.0					
15	iP	03	49	08.0		-10	+4		15:00+	46 mi. ESE M 8 mi.
	eS			17.2		25			-.9	near Mt. Lassen
15	iP	04	24	06.2		+70	-10	+45	-.8	Moderate regional shock III
	iS			26.2		1000	700	580		Δ = 100 mi. N of W Probably a few miles W of Trinidad
15	eP	05	56	57.5					-.7	C 05:56:59
	eP		57	01.3						
15	iP	23	14	24.1	0.8			+	15:13+	C 23:14:09.5
	iP			38.2		+10	-	+20	+.9	
	e		18	18						
15	iP	23	28	03.9				+?	+.9	Sharp blast or local shock
	i?			04.4						Δ = 2½? mi.
16	iP	00	02	14.9	1.5;2.5	-20	+12	+50	+1	Destructive at San Juan,
	iSKS		12	37						Argentina. C. & G.S.
	iS			54						31.5°S, 68°W, 23:49.4
										Δ = 88.5°
16	iP	02	07	11				-	+1.2	Small local shock
	iS			16.3						Δ = 26.5 mi.
16	iP	02	26	03.7		+509	+45	+360	+1.2	III Disappears at P. Strong
	i?			33?						regional shock 140? mi. S of
	iS?			35						off Cape Mendocino.
	Coda				5.0					

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16	iP	02	47	21.7		+40	-?	+25	1.2	Aftershock
	eS			48.2						Δ = 140 mi. W
16	iP	04	05	53		+8	-		1.5	Aftershock
	eS		06	20.5						Δ = 140 mi. W
16	iP	04	16	38		+	+	+15	1.2	Aftershock
	eS		17	04						Δ = 140 mi. S of W
16	iP	09	37	12.7		-35	-12	+?	1.8	Small local shock or blast
	iS			14.4			80			8½ mi. EnE?
16	iP	11	22	39.4		+20	+2	+12	2	Aftershock 140 mi. S of W
	eS		23	05.5				40		
16	iP	12	38	57.5		-	-8	+?	2	Δ = 46 mi.
	iS		39	06.7		40				
17	iP	00	10	52.3					15:00+	Δ = 56 mi. Mt. Lassen
	iP			53.4					+3.3	
	iS		11	03.5						
	iS			04.8						
17	iP	02	05	59		+			+3.5	Δ = 145 mi.
	eS		06	26.2						
17	iP	12	00	47.2		-20	-	-	+4.5	Δ = 145 mi. S of W
	eS		01	13.5						Focus bad
17	iP	14	22	00.5		-28	+8	+8	+4.7	Δ = 46 mi. ESE
	iS			09.7						Mt. Lassen M 10 mi.?
	iS			10.5				320		
18	iP	01	04	36.8		-?	+	+10	15:00+	C 01:05:06
									+5.8	Compression from SE
18	eP	03	18	01.1					+6.1	Δ = 185 mi. W
	iP			01.8		+25	?	+15		
	iS			35.6		60				
	iS			36.6						
19	iP	05	41	26.3				+25	15:00+	C 05:41:19.5
	iPcP		43	21.8					+8.8	
19	e	07	46	53					+9.0	C 07:46:45
	iP			54.2						
20	iP	03	10	40				+20	15:00+	Δ = 72°
	ePP		13	31					+10.9	
	eS		20	02						

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
21	iP	04	48	16					15:00+	Small local shock
	iS			21.6					+13.3	Δ = 28 mi. direction indefini
22	iP	13	07	18.5		-16	0	+	15:00+	Δ = 43 mi. E
	iS			27		60		25	+15.6	
22	iP	13	15	07	.16	+10	-1	+	+15.7	Δ = 160 mi. W
	eS?			34.7						
	eS			38		40				
23	iP	07	24	32.1	0.9			+5	+17.9	C 07:24:08.2
	iP			36.1	1.3			+25		
	i		31	15						
23	eP	09	17	58.5					+18.0	Δ = 56 mi. M 10 mi.
	iP			59				-?		Mt. Lassen
	iS		18	09.7						
23	eP	11	00	48.2				-	15:00+	Δ = 150 mi.
	eP			50				-	+17.2	
	iS		01	12.2		40				
23	eP	11	08	36		+6			+17.2	Δ = 150 mi.
	eS		09	03.2						
23	iP	23	23	33.7	0.2	+8		+2	-12.2	Δ = 105 mi. W
	i			39.3						
	i			54						
	e		24	04						
23	iP	23	28	52.5		+12	-1	+10	15:01-	Δ = 100 mi. W
	i		29	00.4					-12.2	
	iS			12.3		60		40		
24	iP	05	39	26					-11.9	Δ = 53 mi. M 10 mi.
	i			29						Mt. Lassen
	iS			36.6						
	iS			37.1		35				
24	iP	06	02	58.5	1.3	+		+	-11.8	C
24	i?	13	41	45					-11.5	I Δ = 55 mi.
	iE			45.6						Mt. Lassen
	i			46.5						
	iS			57						
24	iP	16	43	21.2		+6	+1	+	-11.3	Δ = 105 mi. W
	e			41.7						
26	iP	23	59	18.5				-6	-7.0	C 23:58:35

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27	iP	06	51	41.4				+	15:01- -6.4	
27	iP iS	09	35	27.2 28.8		-32 80	-2	-12 40	-6.2	Blast? or small local shock 8 mi. S of West
27	iP iS	09	36	05 06.6		+70 80	-6	+30 60	-6.2	Blast? or small local shock 8 mi. S of West
27	e	23	11	01.5					-5	
28	e i	05	22	49.5 51.5					-4.5	C 05:23:00
28	eP iS	05	30 31	54.6 00.8					-4.4	I Δ = 31 mi.
28	iP iS	07	37	00.7 03.6		+25 60	-1	-12	-4.2	Small local shock 15 mi. E
28	e e e	11	12 15 16	22 49 02					-4	C 11:12:38
28	iP iS iS	20	27 28	58 09.1 09.4		-15 180	+8 150	+10 80	-3.3	Local shock 57 mi. ESE M = 13 mi. Near Mt. Lassen
29	iP e e e	02	31 35 38 39	12.7 45 21 26	1.2	+	-15	+20	-3	Compression from NW
30	i i e	10	19 20	19.7 26.7 07		 0.8		+4	15:11- -1	
30	iP iPN iS	20	10	04 04.4 26.3		+15	0 -	+6	15:01- +.1	Δ = 110 mi. W
31	i	00	05	30					+.3	
31	iP	09	38	47.2		+		+10	+1.2	C 09:38:32
31	iP iP iS	21	11	28.4 29.0 38.8					+1.4	Very small trace Δ = 52 mi., M 12 mi. Mt. Lassen
31	iP iS	22	57 58	51.6 00.4					+2.4	I Δ = 44 mi.

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1	iP	03	36	05.3				+8	+2.8	III Destructive in Turkey
	eSKS		46	52						CGS 41°N, 31°E
	eS		47	36						3 h 22.7 m
	eG	04	06.0		50					Δ = 96°
	M		14		30	50				
	Coda		50		16					
1	eP	05	27	06.5					+3.0	Δ = 67°
	iP			07.2						h = ca 75 mi.
	iP			09.0		–				
	iS		35	59						
	iS		37	00						
1	eP	06	22	14.5					+3.1	C 06:21:40
1	iP	14	15	25				+10	+3.8	
2	e	03	46	38					15:06- +5.4	C 03:46:04.3
2	iP	03	59	38	1.0			+5	+5.4	C 03:59:41
2	e	11	07	32					+6	I Faint trace of a regional shock
3	eP	11	35	09.5					15:00- +8.5	C 11:35:18.3
3	iP	12	19	51.4	2	0?	-20	+30	+8.7	Δ = 1450 mi. NW
	e?		24	23						CGS 59° N, 138° W
	e		27	07						12 h 15.2 m
	L		28.0		12					
3	iP	20	40	05.4				–	15:01- +9.4	C 20:40:37.7
4	iP	02	19	54.6					+10	I Mt. Lassen
	i		20	00.5						Δ = 48°
	iS			04.2						
	i?			06.0						
4	iP	02	21	14.3					+10	I
	iP			15.2						
	i			23.9						
	eS			26.5						
4	e	02	21	51.6					+10	I
	iP			52.5						
	iS		22	01.3						
	i			03.5						

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4	iP	02	26	15.4					+10	I Mt. Lassen
	iP			16.3						Δ = 48°
	iS			24.9						
	i			28.1						
4	iP	02	31	55.5					+10	I Mt. Lassen
	iP			56.5						Δ = 48°
	i		32	05.5						
	i			08.5						
4	iP	21	16	07.1				+10	15:01-	C 21:15:50
	iP			39.2	1.3			-10	+11.7	
4	eP	22	46	52.2		Poor	focus		+11.8	Small local shock
	iS			57.4			80?			Δ = 26 mi.
5	e	09	26	36					+12.7	I Faint trace of regional shoc
5	eP	17	33	16.2					15:08-	Δ = ca 100°
	ePP		37	07					+13.4	
	eSKS		44	13						
	e			34						
5	iP	20	15	21.7	1.5				+13.7	
6	eP	02	37	51.5					+14.3	
6	e	03	27	40	1.3				+14.4	
6	iP	11	20	40.4		+10	+1	-3	+15.1	Δ = 210 mi.
	iP			44.1		+30	+4	-15		
	eS		21	18.3						
	eS			22.3						
6	iP	16	33	22.4	1.1			-	15:00+	
									-14.3	
6	iP	18	43	37.6					-14.2	Very small local shock
	iS			41.4						Δ = 19 mi.
6	e	18	50	36					-14.2	C 18:50:34
7	iP	07	58	43.8				+?	-12.8	Small local shock
	iS			50.6				60		Δ = 34 mi.
7	iP	09	06	29					-12.6	I Faint trace
	eS			45.1						Δ = 80 mi.
7	eP	17	44	44					15:00+	C 17:43:45
									-11.7	

SHASTA DAM SEISMOLOGICAL STATION MONTH OF February 1944 10.

International Seismological Centre

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R. M. is hour and minute of flasher mark at end (or beginning) of record.
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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
9	iP	02	11	38.2					-8.6	I Δ = 27 mi.
	iS			43.7						
10	eP	12	18	36.4					-4.6	C 12:18:19
11	iP	04	59	50.8					-2.5	I Δ = 13½ mi.
	iS			53.5						
11	eP	05	28	06.5					15:00+	Small trace Δ = 95 mi.
	eS			25.5					-2.5	
11	iP	06	13	04.6		-40	+5	+15	-2.4	Mt. Lassen
	iS			14.0						Δ = 47 mi. S of E
	iS			14.4				80		
11	iP	06	15	46.3		-40+	+10	+15	-2.4	Δ = 47 mi. S of E
	iS			55.7				80		
11	iP	08	07	55.6					-2.2	I Δ = 180 mi.
	eS		08	28.3						
11	eP	09	42	16				Blur	-2.0	
	e			25.5						
	i		44	30						
12	iP	09	31	07.2		-30	-24	+15	15:00+	Local Shock
	iS			13.4		80+			+0.9	Δ = 32 mi. NE
12	iP	13	26	52.1	1.1	+?		+15	+1.3	Δ = 80°
	e		37	01						
13	iP	09	34	11.3		+10	-3	+	15:07+	Blast or small local shock
	iS			12.8		70			+3.8	Δ = 7½ mi. N of W
14	iP	03	03	12.5	1.1	+10	-6	+24	15:00+	h = 100+ mi.
	ipP			55				+	+5.9	Compression from the NW
	e		12	24						C 03:02:55.6
	e			54						
	e		13	39						
14	e	16	35	18.5					+7.6	
15	e	05	49	34.9	1.1				+8.9	C 05:48:46
15	iP	10	36	44.7		-10			+9.4	Δ = 160 mi.
	eS		37	13.4		20				
	eS			15.9						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF February 1944 11.

International Seismological Centre

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
16	eP	11	17	30.3					15:00	C 11:17:12.5
	iP			44	1.2		.		+12.5	
	e		22	24						
	i			56						
16	iP	17	56	28.3	.15	-8	?	+	+13.3	I Δ = 100 mi. E
	iS			48.3						
16	iP	18	18	48.7	.16	+4	+?	+	+13.4	I Δ = 80 mi. W
	eS		19	04.7						
17	iP	00	04	58.7				+10	+14	
18	iP	09	23	38	0.9	+10		+25	+18.2	C 09:24:07.3
18	iP	19	28	46.8	1.5			+8	15:01- -10.7	C 19:28:31.7
18	iP	23	18	48.2		-450	-60	-30	-10.4	Sharp local shock
	iS			49.0		800		710		Δ = 4 mi. S of W
19	iP	02	06	42.0					-10.1	Very small local shock
	iS			42.6		24				Δ = 3 mi.
19	e	02	08	08.6					-10.1	Very small local shock or
	i			09.5						disturbance
	i			10.3				20		
19	i	02	09	40					-10.1	Blast? 1 mi.
19	iP?	02	19	25.7			+	-3	-10.1	Small local shock 2 mi. N?
	iS			26.1		+		100		
19	iP	02	26	18.2				-	-10.1	Small local shock
	iP			18.7		-	+			Δ = 4 to 6 mi. NW.
	iS			19.5				120		
19	iS	02	26	22.4				100	-10.1	Small local shock
19	iP	02	28	36.7		-		+?	-10.1	Very small local shock
	iS			37.2				40		Δ = 2½ mi.
19	iP	02	29	32.6		-		-	-10.1	Very small local shock
	iS			37.4						Δ = 24 mi. W?
19	i	02	32	08.7				-	-10.1	Very small local shock or
	i			09.1						disturbance Δ = 2 mi.

SHASTA DAM SEISMOLOGICAL STATION MONTH OF February 19 44 12.

International Seismological Centre

Bureau of Reclamation and
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R. M. is hour and minute of flasher mark at end (or beginning) of record.
Δt is time correction referred to R. M.

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. Δt	Remarks
19	i i	02	32	14.1 16.2					-10.1	Very small local shock or disturbance Δ = 5½ mi.
19		02	41							7 very small local disturbances Δ = 3 to 10 mi.
19	iP iS	02	57	14.3 16.3			+	-	-10	Very small local shock Δ = 10 mi.
19	e iP iS	02	57	24.8 25.2 25.5		-15	- 340	-20 300	-10	Light local shock Δ = 1½ to 3½ mi. S of E
19	iP iS	03	08	33.2 38.3		-?		+ 70	-10	Small local shock Δ = 25 mi. E?
19	i i	03	10	22.5 26.3				+	-10	Very small disturbance or local shock
19	e iP iS	03	10	40.8 42.3 45.3				-15	-10	Very small disturbance or local shock
19	iP iS	03	14	57.4 58.5		+			-10	Very small local shock or disturbance Δ = 5½ mi.
19	iP iS	03	15	05.4 06.7					-10	Very small local shock or disturbance Δ = 6½ mi.
19	iP e	03	16	51.5 57		-10			-10	Very small local shock or disturbance Δ = 22 mi.?
19	eP eS	03	18	54.5 55.0		-10	+10		-10	Very small local shock Δ = 2½ mi. NW
19	i e	03	20	27.0 30.6				- 20	-10	Very small local shock or disturbance Δ = 18 mi.
19	iP eS	03	23	18.0 18.8				-	-10	Very small local shock or disturbance Δ = 4 mi.
19	eS	03	23	24.0					-10	Very small local shock or disturbance
19	iP eS	03	24 24	58 01		-		- 30	-10	Very small local shock or disturbance Δ = 15 mi.
19	i i	03	29	51.9 58.5		-		-	-10	Δ = 33 mi.?

SHASTA DAM SEISMOLOGICAL STATION MONTH OF February 1944 13.

International Seismological Centre

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
19	eP	13	00	44	2				-9	
	iP		01	02	1.8					
19	iP	16	09	18	0.8	+	-	+	15:13- -8.8	C 16:08:28.5
20	eP	04	14	00.2					-7.6	C 04:13:23.4
20	iP	19	33	33.6	1.0	+	-	-10	15:01	C
	iP			35.2		+24	-	-24	-6.0	Dilatation from SE
21	iP	11	25	20.7	1.0			+	-4.3	
21	iP	11	34	22.7	1.5			+	-4.3	C
	eL		46.0		10					
21	ePZ	13	01	10.3					-4.1	Regional shock Δ = 320 mi.
	eP			17.4						
	e		02	04						
	eS			06.4						
	iS			09.1						
22	e	04	11	04.5					15:01- -2.5	
	e			24.5	0.7					
	e			53.5	1.0					
23	iP	12	32	39.4	1.0	+20	-15	+45	+.9	Compression from the NW
	iPcP		34	45.9	1.0			+20		Δ = 39.5°
	iE		35	50						
	iZ		37	36						
	i		38	29.5	1.2			+		
	iS			38						
	eS			59						
	e		42	41						
23	eP	20	21	47.5	1.5			-	+1.5	
23	e	23	45	37	0.8				+2.2	I
24	iP	02	02	47.1		+250	-210	-190	+2.5	Moderate local shock
	iS			52.7		1000		620		Epicenter 28 mi. SE at 40° 28'N, 122° 55'W, a few mi. SW of Shingletown M = 18½ mi.
24	iP	17	41	39.2		+	+	+	+4.3	Local shock
	iP			39.6	0.2	-15	-12	-15		Δ = 50 mi. SW
	iS			49.5		100	110	50		
25	eP	02	10	24.3		-			+5.1	Δ = ca 50 mi.
	iP			25						
	eS			33.3						
	i			35.6						

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SHASTA DAM SEISMOLOGICAL STATION MONTH OF February 19 44 14.

International Seismological Centre

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
25	eP	02	44	36					+5.2	Δ = ca 45 mi.
	eS			44.6						
	eS			45.5						
25	iP	07	39	32	1.3			+	+5.8	C
	e		40	46						
25	iP	12	49	00.1			-		+6.4	Δ = 44 mi.
	iP			01.2			-			
	iS			08.9						
	iS			09.4			70			
25	iP	12	52	08	1.5	-		-	+6.4	
	i			52.5						
	eE		54	22						
26	iP	22	29	07.8	0.8;1.5		+	+	15:02	C
	eS		36	04					+10	
28	i	06	12	53.8		-25	-10	+15	+13.5	Blast or local shock
	i			57.5		+55	-50	-18		18½ mi. ENE
28	eP	09	44	41.0					+13.8	Δ = 38 mi.
	eS			48.6						M 16 mi.
28	eP	09	53	24.3		?	?	-	+13.8	Δ = 38 mi.
	eS			31.8			Blur			M 16 mi.
28	i	20	23	03.3				-	15:00-	Δ = 50 mi.?
	i			04.0					+15	
	i			44.3						
28	i	22	20	40	3.5				+15.3	
	i		23	59						
	i		24	08	2.0					
28	eP	23	22	23.6					+15.3	Δ = 180 mi.
	eS			56.3						
	eS			59.3						
29	i	03	18	05		-8			+15.7	Seismic disturbance
	i			21.8		-40	+12			Δ = 85 mi.
29	iP	03	53	06.1	1.2	+50	-50	-120	+15.7	CGS 13.7°S, 70.6°W
	ipP			56						O = 3:42.0 Peru
	isP		54	21						Δ = 73° h = 125 mi.
	iPP		55	45						
	eS	04	02	12						
	epS			58						
	i		13	12	1.5					May by iP

SHASTA DAM SEISMOLOGICAL STATION MONTH OF February & March 19 44 15.

International Seismological Centre

Bureau of Reclamation and Coast and Geodetic Survey

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
29	i	05	06	24.4					+15.9	Seismic disturbance
	i			25.4		-25				
29	i	05	14	40.4		-12			+15.9	Seismic disturbance
	i			41.7						
29	eP	16	47	16.4	1.0			-	15:00+	Δ = 1025 mi. C
	eP			27.5	1.2			-40	-13.1	
	eS		50	00						
	iEN			11						
	iZ		51	46						
29	iP	20	39	49.0	1.5	+30	-8	+20	-12.7	C
	i		40	34						
	iZ		43	51						
	i		59	38	1.5					
29	eP	21	15	06.3	1.5				-12.7	
	e			44.3						
29	iP	21	51	41.7	1.4			+10	-12.6	
	iP		52	26						
29	e	21	59	27					-12.6	Probably not part of earlier shock
	e	22	02	20						
29	eP	23	20	49.5	1.5				-12.5	C
	e		21	34						
29	eP	23	50	25					-12.5	C
	e		51	10						
1	iP	00	25	23.4		-8	?		-12.4	Small local shock Δ = 15 mi. E?
	iS			26.4		50				
1	eP	21	04	14.3	1.2			-	-10.5	
1	iP	23	14	24.7		-22	-2	-	-10.3	Small local shock Δ = 8½ mi. W
	iS			26.4		50				
1	eP	23	15	15					-10.3	
2	eP	00	38	32.5					-10.1	C
	iP			34	1.5					
	e		39	16						
2	iP	16	59	19.2	1.3	+10	+5	+25	15:00+	Compression from the SW
	e	17	01	14.5					-8.5	

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 19 44 16.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
3	iP	20	57	20.4		+4	+2	-	-5.5	Small local shock
	iS			23.1				60		Δ = 13½ mi. NE
5	eP	17	29	31.5					15:00+	Δ = 89°
	i			42.5					-.8	
	iPP		33	36.5						
	iSKS?		40	05						
6	iP	09	00	44.7				+15	+1	C
6	e	14	05	03				-	+1.7	First shock of swarm off
	e			41	2.0					Oregon coast.
	e		06	02.4	9					
6	eP	20	10	43					15:00+	Main shock of a swarm off
	iP			44	2.5				+2.3	Oregon coast.
	e		11	57	7.5	70				
6	e	20	29	55					+2.3	Faint trace
6	iP	21	07	31	.8;1.8			-	+2.4	
	e		08	37	5					
6	e	21	28	47					+2.5	Aftershock
	i		30	07	7					
6	e	22	04	57.5					+2.5	Aftershock
	eP		05	00	1.3					
	e		06	24	7					
6	e	22	22	19.5					+2.5	Aftershock
	e		23	37	7					
6	ePZ	22	52	38					+2.6	Aftershock
	eE			48						
	e		54	02	8					
6	eP	23	18	07.7					+2.7	Aftershock
	e		19	28	9					
7	eP	01	02	25.5					+2.9	Aftershock
	iP			27	1.5					
	e		03	56	7					
7	iP	04	53	57.4	1.8	-6	-	-20	+3.4	II Distant
	iS	05	03	26						
7	e	05	50	44.5					+3.5	Aftershock
7	iP	06	10	47.2	2.0	-?		+	+3.5	Aftershock
	e		11	58	8					

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
7	e	06	46	41.5					+3.6	Aftershock
	iP			43	0.7			+		
	iP			47.5	1.8					
	e		48	00	8					
7	e	08	22	58					+3.8	Aftershock
	eP		23	01						
	e		24	09	8					
7	e	11	18	52	2				+4.2	
	e		24	30						
	e		27	54						
7	e	20	48	52					15:00 +5.1	
7	iP	23	00	30.1		+280	-55		+5.4	Sharp blast or local shock
	S?			30.7		Disappears				3 mi. N of W?
8	eP	06	58	30.6					+6.1	Very small local shock
	i			32.6						Δ = 53 mi.
	e			41.3						
	e			42.4		25				
8	iP	12	00	40.2		-			+6.6	Δ = 170 mi. W?
	iP			40.6		-30	-4			
	iS		01	12.6		40				
	iS			14.7			-			
8	e	14	29	32					+6.9	
8	iP	23	12	18	1.7			+5	+7.8	C
9	iP	05	02	21.5		+130	+50	+80	+8.4	Δ = 69? mi. WSW
	iS?			35.3						
	Record of 9-10 faulty - Several distant shocks recorded but time control blank.									
10	iP	18	41	54.2				+15	+12.5	C
11	iP	06	23	42	1.0			-	+13.8	C
	e		31	46						
11	iP	17	41	22.3				-12	15:05 +15.1	Δ = 260 mi.
12	eP	02	57	58.8		-			+16.0	
	i		58	12.2						
	eS			45						
	iS			52						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 19 44 16.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
12	i	11	20	55					+16.7	Impulses each of which have
	i		21	21.5				-		characteristics of iP or eP
	i		22	40						most of which are probably
	i		26	05						seismic
	i			40						
	i		46	25.5						
	e	12	15	35						
	i		40	14						
12	e	13	12	53				+	+16.8	C
	i		19	57						
12	iP	23	15	38.4		+12	-10		+17.9	Blast or small local shock
	iS			39.1		70				3½ mi. NW?
12	iP	23	53	10.5		-			+18	Δ = 110 mi. W?
	eS			32.2						
	iS			33						
13	iP	22	29	16.7		+	-	-	15:01	Very small local shock
	iS			33.1					-9.5	32 mi. SE
14	iP	05	16	00.6	.15	+55	-30	+40	-8.7	Light local shock
	iS?			12.1						Δ = 60 mi. WNW
	iS			13.3				200		
14	eP	07	30	03					-8.4	C
	iP			05.5	1.2					
14	eP	18	46	16	1.5				15:00½	C
									-7.1	
14	iP	19	00	58		+12	-15	+10	-7	Blast 2½ mi. NW
	iS			58.5				50		
14	eP	23	10	49.5					-6.6	Faint trace
	iP			57.5						C
	e		11	51						
15	i	00	10	30.7					-6.5	C
15	eP	08	15	45				-	-5.7	Δ = 410 mi.
	iP			50		+				
	e		16	44						
	eS			55	0.7					
15	eP	09	09	45.5				+	-5.5	C
	iP			47.7	1.6			-75		From NW
	ePP?		13	20.5						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 19 44 19.

International Seismological Centre

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
15	iP	20	52	31.5	1.5				15:00½ -4.3	
16	iP	12	39	35.2	2			-	-2.6	C
16	iP	22	12	26.8		-25	+3	+10	-1.5	Light local shock
	i			28.5						Δ = 45 mi. S of E
	iZ			35.3				50		M 15 mi.
	iS			35.8			180			
16	iP	23	05	51.7		+62	-52	+70	-1.4	Sharp blast or local shock
	iS			52.2			360	250		Δ = 2½ mi. NW
16	eP	23	43	48.5					-1.4	C
17	iP	03	08	29	1.0			+	-1	C
17	eP	11	24	47.2					-.1	Faint trace
	iP			47.9						Δ = 56 mi.
	iS			58.4						
	iS			59.3		20				
17	e?	09	30	32.4					-.3	Faint trace of local shock
	iS			39.5						
17	iP	23	49	19.6		-13	-13	+?	+1.4	Blast or small local shock
	iS			21.4		50				9 mi. SW
18	iP	23	00	27.5		-12	+2	+	15:07 +4.2	Δ = 56 mi. E M 15 mi. Mt. Lassen
	iZ			38						
	iS			38.7						
	iS			39.2	.17	70		25		
18	iP	23	22	55		+5	0	+	+4.2	Blast Δ = 5 mi. (2.5 mi.?) W
	iN			55.5						
	iS			56		125				
19	i	08	32	29.7		-38	-3	-15	+5.4	Small local shock or disturbance Δ = 8 mi. W
	i			31.3						
19	iP	08	45	30	1			+	+5.4	C
	i			42						
20	iP	21	58	46	1.0			+	15:00 +10	C C
21	iP	07	04	13.8					+11.4	Faint trace of local shock
	iP			14.9						Δ = 56 mi.
	iS			25.0						Mt. Lassen?
	iS			26.4		25				

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 19 44 20.

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Bureau of Reclamation and
Coast and Geodetic Survey

R. M. is hour and minute of flasher mark at end (or beginning) of record.
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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
21	iP	14	02	28.3	1.4	+		+	+12.3	C
	i			42						
21	iP	18	22	14		+5	+22	+	+13	Blast or small local shock
	iE			14.2						3 mi. W of S
	iS			14.6				80		
21	iP	22	20	51.8				+10	+13.5	C
	iP		21	06.9	1.4	+20	-20	+70		
	e		29	32.5						
22	eP	00	57	43	1.5				+14	Δ = 113°
	iP			51						CGS 7°S, 126°E
	e	01	00	57						oh 43.0m, Banda Sea
	e		01	20						
	iPKP			35						
	iPP		02	21						
	eSKS		08	02						
	eSKKS		09	06						
	ePS		11	51						
	ePPS		12	46						
22	i	01	12	18	0.8			-	+14	C
	i		16	10						
22	iP	17	42	44	1.2				+16.2	C
22	iP	17	54	17	1.2			+	+16.2	C
22	eP	19	19	44.5					+16.5	
23	iP	14	57	32		+55	-18	+20	+19	Blast or small local shock
	iS			32.6	.20	220		110		3 mi. WNW
23	iP	22	30	37.7		+3	0	+	15:00½	Probably small local shock
	iS			38.7		125			-10	5 mi. W
24	iP	17	10	26				+	-7.2	C
24	iP	19	00	23.8		+50	-63	+22	-7.0	Heavy blast or light local
	iS			24.3		350	360	115		shock 2½ mi. NW
24	iP	22	10	13.5				+	-6.6	C
25	iP	04	31	17.5				+	-5.7	C
25	iP	05	32	27.6				-	-5.6	C

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 19 44. 31.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
25	iP	18	04	17.2		-80	-30	+30	-3.8	Light local shock
	i			20.9						20 mi. ENE about 5 mi. W of
	iS			21.3						Round Mountain
	iZ			22.2		200+		200		
25	iP	18	30	58.3		+20	-21	+10	-3.7	Heavy blast or light local
	iS			58.9		200		125		shock 3 mi. NW
25	i	20	24	21.5				+	-3.4	C
27	iP	00	17	32		-			15:00+	Small local shock
	iP			32.4					0.6	Δ = 31 mi.
	iSE			37.9						
	iS			39.3						
27	e	04	41	52					+1.3	Faint trace
	i			55.5						
27	eP	07	21	05.8	0.3	-		+	+1.6	Δ = 55 mi.
	i			07.2						Near Mt. Lassen
	eZ			15.8						M 16 mi. (12½ mi.)
	iSEN			16.8						
	iSZN			17.6	0.4	60				
27	iP	17	13	38.3				-	15:01	C
									+3.1	
29	eP	08	13	40.2					15:00	Δ = 285 mi.
	i		14	02.6					+7.6	
	eS			25.1						
29	i	13	10	19.5					+8.2	Seismic origin doubtful
	i			26						
29	iP	21	39	56.2		+75	-75	+	+9.0	Blast 2½ mi. NW
	iS			56.7	.12	100+		60+		
29	iP	22	02	01				+	+9	C
31	eP	03	05	55					+12.6	Δ = 95°
	e		06	21						
	ePP		09	53						
	eSKS		16	25						
	eS		17	15						
31	iP	19	07	57	0.7			-	+14.6	Δ = 580 mi.?
	e		09	33.5						C
31	iP	20	44	45.2	1.5	+		+	+14.8	

SHASTA DAM SEISMOLOGICAL STATION MONTH OF March 1944 22.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
31	eP	21	16	53.4					+15	I △ = 430 mi. N
	eP		17	05	0.7					Near Eatonville, Washington.
	e		18	45						Felt in Puget Sound Area
31	iP	21	42	35.4		+24	-24	+12	+15	Blast or local shock
	iS			36		140		80		3 mi. NW

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SHASTA DAM SEISMOLOGICAL STATION

INSTRUMENTAL REPORT . . . . . APRIL AND ~~MAY~~, 1944

The Shasta Dam station continued in routine operation throughout the period of the report.

The reservoir began filling in January or February and continued through April and May. Several local shocks, not identified as blasts, were recorded. Some of them should have been felt locally under favorable conditions. However, it is too early to associate these definitely with readjustments of the earth's crust to load in the reservoir.

Roman numerals I, II, and III refer to the size of the record; shocks marked I are barely recorded, II well recorded, and III well recorded with large trace amplitudes. The last should have been felt under favorable conditions. Letters C, PF, O and B refer to the other Bureau of Reclamation stations, and M refers to the Mineral Station.

Confidential-not for publication.

SHASTA DAM SEISMOLOGICAL STATION MONTH OF April 1944. 1.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
1	iP	20	38	16.2		+	-	-	15:00	Small local shock 25 mi. NE
	iS			21.2		50			-12.4	
2	iP	09	42	26.5		+ -84	-10	+ -25	-11.1	Blast? 8 mi. S of W
	iS			28.2						
2	i	20	32	06		-	-?	+	15:00½	Δ = 17 mi. S?W
	i			09.8		50			-9.9	
3	iP	18	03	09.5					14:52 -7.9	C B
4	iP	18	13	44				-	15:00½ -6.9	PF
4	iP	18	35	55		+15	-12	+	-6.8	Blast 2½ mi. N 225# Powder
	iS			55.5		100				
4	iP	22	58	06	1.3			+	-6.4	C
	e	23	07	50						
5	e	04	12	15.2		+	?	+	-5.8	Δ = 170 mi. W
	iP			16.2		+	?	+		
	iS			48.2						
	iS			49.5				130		
5	eP	04	54	06					-5.7	C PF
5	iP	09	29	49.4	.8	+		+	-5.2	C
5	i	12	22	54					-4.8	Faint trace
	i		23	07						
5	iP	12	23	19.5		+			-4.8	Δ = 58½ mi.
	eS			31.2						M 17
	iS			31.9	.16			40		
5	iP	18	37	08.2		+150	-140	+150	-4	Sharp blast or local shock
	iS			08.7				350+		2½ mi. NE
5	iP	21	58	15		+28	-30	+	-3.5	Blast 2½ mi. NE
	iS			15.5				150		900# powder
6	iP	10	53	42	1.4			-?	-2	C PF
7	iP	00	03	44.6	0.6	+		+	-0.2	C?
7	iP	22	47	41.5		+65	-65	+25	15:00	Blast 2½ mi. NW
	iS			42	.16	250	250	160	+2.7	1600 lb. powder

SHASTA DAM SEISMOLOGICAL STATION MONTH OF April 19 44 2.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
8	iP	03	19	03.8		-25			+3.2	Δ = 105 mi.
	iP			25						
8	iP	03	36	52.5	1.0			+	+3.2	C
8	iP	09	27	53	0.8			-	+4	C B
	i		28	18	0.8			-		
9	i	18	24	14					+8.2	C
	e		27	37						
	i		28	35						
	e		30	59						
	i		39	36						
	e?		44	38	3					
9	eP	19	14	50.3	1.4			-	+8.3	C
	i		15	15.5						
9	iP	22	43	55				+	+8.7	C
10	eP	02	32	42					+9.2	C
10	iP	10	16	32	1.4			+	+10.2	C
	iP			58.5						
11	iP	20	29	32		+15	-15	+	+14.5	Blast 3 mi. NW
	iS			32.6		150	150	130		800 lb. powder
13	iP	01	55	40.2		0	-10	-	+17.9	II Δ = 64 mi. S
	i			44						Reported felt at Orland
	eS			53						
	eS			58		170		150		
13	iP	08	18	18.8		-		+	+18.8	II Δ = 53? mi.
	i			20.0						M 12½ mi.
	e			29.3						
	iE			33.3						
13	iP	13	51	51.0		+75	-40	+68	+19.6	II Regional
	i		52	17.6						200 mi. WNW off Cape Blanco
	iSN			27.6						
13	iP	15	17	35		+90?	-70		15:00½	Blast? 3½ mi. NW
	iS			35.7			-500?	350	-10.3	
13	eP	15	39	06					-10.3	I Distant C O
	e		41	18						
13	iP	22	13	50		+90	-100	+40	-9.3	Blast 3 mi. NW
	iS			50.6				200		2250 lb. powder

SHASTA DAM SEISMOLOGICAL STATION MONTH OF April 1944 3.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
15	eP	06	05	12.8					-5.2	I Local
	iS			16.1						Δ = 16½ mi.
15	iP	20	55	00		+20	-	+	-3.2	Blast 3 mi. NW
	iS			00.6		175				850 lb. powder
16	iP	01	40	36	.8			-	-2.6	I C
16	i	09	56	11.3	1.4	+15	-	+	-1.5	II Distant - compression from
	iP			12.2						NW C B
	i			38.5						
	iPP		59	08.5						
	e	10	00	18						
	e		05	18						
16	iP	20	49	49.5	1.5	-	+	-	+0.1	Distant C I
	i		50	33						
	e		52	04						
	e		59	14						
17	e	21	26	50					15:00	I Distant
									+3.3	
18	eP	00	03	54					+3.7	I Δ = 56 mi.
	eS		04	05.2						
18	iP	09	17	47		+			+4.8	Δ = 55 mi. I
	iS			58.3						
18	iP	09	59	25.3		-5		+	+4.9	Δ = 50 mi. I
	i			26.9						M 10 mi.
	iS			35.2						
	iS			37.6						
18	iP	14	49	21.7		-8			+5.4	Δ = 50 mi. I
	iS			31.7	.15					
19	iP	02	26	48.9		+8	0	+	+7.1	Δ = 135 mi. W I
	iS		27	15.3	0.5					
19	eP	22	43	07.5					15:19½	I C Distant B
									+9.5	
19	eP	23	22	47					+9.5	I Distant
20	iP	22	10	11		+25	-25	+	15:00	Blast 2½ mi. NW
	iS			11.5		200			+13	
20	iP	22	19	21.5					+13	I C B

SHASTA DAM SEISMOLOGICAL STATION MONTH OF April 1944 4.

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R. M. is hour and minute of flasher mark at end (or beginning) of record.
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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. Δt	Remarks
20	iP	23	46	17.2		+10	0	+	+13.2	I Δ = 135 mi. W
	iS			43.6						
21	iP	22	45	50		+	−	+	+16	Blast 2 mi. NW
	iS			50.4			250			1000 lb. powder
22	iP	02	28	01.3	1.5			+	15:00½	I C B
									+16.8	
22	e?	03	27	09					+17	I C
22	eP?	03	46	43	1.5				+17	I C B
	eP			45						
22	iP	07	51	21					+17.5	I Δ = 57 mi.
	iS			32.5						
22	iP	23	36	27	0.5				-10.2	I Regional
	iS		37	09						
23	iP	06	21	15.3	0.8	−		−	-9.2	I Regional? C
	i			34						
	i		27	44						
23	iP	09	45	03		+25	-25	+	-8.7	Local shock or blast
	iS			04.6			250	125		8 mi. NW
23	iP	11	09	20.4		+	+	-30	-8.5	II C B
	epP		10	46.5						h = 230 mi.
	e		11	01						Δ = 81°
	iS		18	58						
	e			14						
	esS?		21	49						
23	iE	23	17	50.5					-6.7	2 heavy blasts. Also several
	i		17	54				+10?		other blasts or disturbances
	m							200		about this time.
	i			57		480		300		
24	eP	02	02	43.5					-6.3	I C B
	i		10	07.5						
24	iP	19	01	48.4		+28	-30	+	-3.8	Blast 3 mi. NW
	iS			49				120		1200 lb.
24	iP	23	23	50.5		-20	?	-15	-3.2	I 13 mi. E
	iS			53.1		90				
25	iP	03	56	19.5					-2.6	I

SHASTA DAM SEISMOLOGICAL STATION MONTH OF April 1944 5.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
25	i	05	27	10					-2.4	I
	iP			11.5				-		
25	iP	14	38	58.5		+85	-25	+	-1.3	Blast 2½ mi. WNW
	iS			59				100		
25	iP	18	20	02					15:00 -0.7	I
25	i?	21	41	02					-0.2	I
	iP			36.8						
26	1:36 and 12:37 GCT - 2 blasts or small shocks at 13 mi. E?									
26	eP	02	08	02.5	2.5				+0.5	II Distant 104°
	ePP		12	06	2.5					
	eSKS		18	44						
	eS		20	20						
26	iP	18	35	21		-40		-?	+3	I Local - 12 mi.
	iS			23.5						
27	eP	05	28	05.7					+4.5	I 115 mi.
	eS			28.1						
27	eP	14	51	55					+5.8	II Distant 103°
	iP			57						CGS 1°S, 131°E, 14:37.9
	iP		52	07	1.5					(Western New Guinea)
	iPP		56	12	2.5					
	eSKS	15	02	46						
	eSKKS		03	11						
	ePS		05	15						
27	iP	19	18	58					+6.5	I C
27	iP	22	06	15.4		+	-		+7	Blast 3 mi. NW
	iS			16		110				
28	iP	19	02	49.4		-12	+2	-	+10	I Local 13 mi. E
	iS			52		75				
29	iP	06	32	58	01	+	-	+	+11.8	I Distant C O
	i		33	36						
	eS		36	29						
	e			46						
29	iP	16	28	10	0.8			+	+13.3	I C B
30	eP	00	18	29	1.5				+14.3	I PF

SHASTA DAM SEISMOLOGICAL STATION MONTH OF May 1946

International Seismological Centre

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
1	iP	21	48	57.5					15:00½	I Local 12½ mi.
	iS		49	00					-10.6	
1	iP	22	49	31		+55	-50	+30	-10.5	Blast 2½ mi. NW
	iS			31.5						1250 lb.
3	iP	17	47	21.4					-5.9	Blast 3 mi.
	iS			22		Disappears				
4	iP	06	07	25.6	0.8			+	-4.8	I
4	iP	06	17	43	1.0				-4.8	I C
	i			56						
4	iP	13	10	19.5		-120	+40		-4.1	Probably blast
	iS			21.8			Disappears			11+ mi.
4	i	20	05	54.3					-3.5	I
4	i	22	56							Blast 3 mi. NW 1100 lb.
5	eP	06	25	17.7		+		-	-2.6	II Local 57 mi. ESE
	iP			18		-38	+	+		M 17 mi.
	eS			29.2						
	iS			30.4		130				
6	eP	00	24	31					15:00	I C
	iP			36					+0.8	
	e		25	37						
	e		36	10						
6	iP	01	59	42					+0.6	I
6	eP	03	41	54.5					-0.4	I
	eS		42	36.5						
	eS			43.5						
6	iP	17	45	14.5				+	+0.2	I C
6	i	18	01	30				140		Blast 3 mi.
7	eP	15	15	43	2				+2.4	I C
8	iP	23	04	05.3					+6.1	I 90 mi.
	eS			30.1						
9	iP	10	25	41	0.9			+	+7.5	I
9	eP	14	39	36					+8	I C

SHASTA DAM SEISMOLOGICAL STATION MONTH OF May 1944.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
9		23	13			50				Blast - 3 mi. 400 lb.
10		22	49			220				1150 lb. Blast 2½ mi. NW
11	eP	00	06	18					+11.7	
11	eP	03	11	31.5					+12.2	I 215 mi.
	iP			34.2		+20				
	eSNZ		12	10.7						
	eS			13						
11	iP	08	53	25.2					+12.8	I 100 mi.
	e			31.8						
	eSN			45.2						
	eS			59						
11	iP	19	51	08					+14	I Regional 130 mi.
	eS			33						
11	iP	21	38	03		+	?	+	+14.2	I Regional 135 mi. W
	eS			29.2						
12	iP	08	13	56.6		+62	-50	-40	+15.3	II Local 13 mi. SE
	iS			59.2						
13	e	22	08	32.5					15:00½	I C
	i			40	1.0				-10.4	
13	i	22	50	22		260			-10.3	1400 lb. blast 3 mi. NW
	iZ			32.5						
14	iP	06	49	03.3	1.0			+	-9.5	I C
14	iP	09	03	05.3	1.2	-	+	-15	-9.2	II Δ = 87° NW
	ipP		05	11.3						h = 400 mi. (650 km)
	iS		12	40						
14	iP	11	05	50.8	1.5	+		-	-9	II Distant 71°
	eS		15	05						
15	iP	09	45	03.7		+50	-20	+25	-6.6	II Local 49 mi. WNW
	iS			13.5		500+		250+		
15	e	19	31	34.5	1.2				-6.5	I
	e		32	08.5						
15	eP	20	10	31					-6.5	I 200 mi.
	eSN		11	08						
	eS			11.5						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF May 1944 8.

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Bureau of Reclamation and
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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
16	eP	00	44	39					-6.2	I 280 mi.
	iP			43						
	eS		45	28						
	eS			30.5						
16	iP	22	53	54.1		+10	-10		-3.7	I Local 54 mi. or 2 blasts
	eS		54	05						
17	iP	07	05	35.8	.9			+	-3.0	I
17	iP	20	29	46.3	1.0			+	-1.7	I
18	eP	04	56	10	2.0				-.9	II Distant 5720 mi.
	eS	05	06	33						
18	eP	20	07	48				+	15:00	I
	e		09	03					+0.3	
19	eP	00	32	06					+.7	II Distant 6000 mi.
	iP			08.2						
	iP			26	1.5					
	e		35	29						
	eSKS		42	38						
	eS			51						
19	iP	16	48	45.5	1.2			-	+2.0	I
19	iP	18	28	35	0.7			+	+2.0	I
19	iP	19	50	39.7	1	-			+2.2	I
19	iP	21	15	39.5		+	-110	+165	+2.4	III Sharp local? ca 4 mi.
	iS			40.3				1120		WNW
20	eP	18	42	16.5					15:01	I Local 45 mi.
	iP			17.0					+4.3	
	eS			25.6						
	iS			26.3						
20		20	20							Blast 4 mi.
		22	55.3			240				Blast 3 mi.
21	eP	17	13	58					+6.4	I 30 mi.
	iS		14	04		90				
21	iP	21	28	56.2		+15		+10	+6.7	III local 56 mi. WSW
	iP			56.9	.18	+90	+30	+55		M 95 mi.
	iSZ		29	07.4						
	iSE			07.9	.3	700	1000	800		

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
21	iP	21	52	39					+6.7	I 35 mi.
	eS			56						
22	eP	01	11	59.6		-	+	+	15:00	II Local 65 mi. ESE
	iP		12	00		+80	-50	-50	+6.9	M 18 mi.
	iS			12.6		480		110		
	iS			13.5						
22	iP	15	38	46.5		+5	+2	+	+8.0	II 12½ mi. WSW
	iS			49.0	.17	750	900	280		
23	iP	10	45	21					+9.3	I
25	iP	01	17	51.4				-15	+12.4	III Distant 81° SW
	iP			51.9	1.5	-60	-50	-230		CGS 21.5°S, 179.0°W
	ipP		20	04.9						01:06:39
	esP		21	12						
	ipPP		24	25						
	eS		27	12						
	eSP		28	16						
	esS		31	09						
	e		40	16	7					
	iP'P'		44	14.5	1.5					
	ipP'P'		46	41.5	1.5					
	i			56.5	1.5					
	isP'P'N		47	56	3.0					
25	eP	13	10	57					+13.4	III Distant 92° 6030 mi.
	e		12	11						CGS 3°S, 152°E
	ePP		14	40						12:58.1
	eSKS		21	21						
	eS		24	43						
	ePS		25	26						
	eSS		26	09						
	iPKKP	13	29	04	1.2			+	+13.5	May be iP
	M		44		20					
	Coda	14.0			16					
25	iP	14	30	52.5	1.5				+13.5	I
	i		41	54.5	1.5					
25	iP	15	27	41.3					+13.8	
25	i	17	06			800		140		Blast 3 mi.
25	i	22	56.5			450		210		1500 lb. Blast 3 mi.
26	iP	15	13	40.4		-26	+10	+	+15.2	II Local 45 mi. ESE
	iP			42.0						M 17 mi.
	iS			49.4				125		
	iS			50.8						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF May 1944 10.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
27	e	05	04	59					+16.7	I
27	iP	07	21	24.5	.8				+16.4	I
27	iP	09	40	04.5	0.9	-	-	-20	+17.1	I C
29	iP	02	52	13.3	1.3			+	15:00½ -11.7	I C
29	iP	02	59	18	1.0			-	-11.7	I C
29	iP iP iS	04	07 08	55.4 55.7 07.2		- +20	 +10	+ -	-11.6	I Local 59 mi. M 04:07:43.9 - 18½ mi.
29	eP eS	13	53	17.7 36.5					-11	I Local - 44 mi.
29	iP iS	18	12	25.4 30		+25	-12		-10.6	II 23 mi. ESE
29	iP iS	18	58	49 53.8		+20	-12	-	-10.5	II 24 mi. ESE
29		22	54.0			225				1100 lb. Blast 3 mi. NW
30	iP iS	03	18	29.1 34.0		+25	-15	-	-9.9	II 24 mi. ESE
30	iP iS	03	50 53	07 13.5				+	-9.8	I 32 mi.
30	e e	10	15 16	01 08.5					-9.4	I
31	iP	10	03	16.8				-10	-7.7	I
31	iP iS	14	23	17.9 27.1					-7.4	I 46 mi.
31	i i	22	04	13.8 23.6		+ 100	?	-	-7.0	II 49 mi. E

SHASTA DAM SEISMOLOGICAL STATION MONTH OF June 1944 1.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
1	iP	20	11	35.8				-	15:00½	II 13 mi.
	iS			38.4					-5.7	
2	e?	02	07	42					-5.2	I Regional
	eP			44.3						
	eZ		08	29						
	eS			47						
2	e	02	37	32					-5.2	I
	i			47	1.1					
2	iP	06	27	53.0	.16	+1190	-1000	-?	-4.9	III Moderate local, 13 mi.
	iS			55.6		1000+	750+	580		SE (or NW) Felt by several
3	iP	04	21	40.3					-3.2	II h = 250 mi.
	ipP		23	10						
	eS		30	51						
	e		31	12						
	esS		33	14						
3	iP	07	21	39.2					-3	I
3	iP	10	00	46.5	1.5				-2.9	I
3	eP	11	52	46					-2.7	I
4	iP	09	40	36					-1.6	I Local, 4 mi.
	iS			36.8						
4	e?	09	41	00					-1.6	I
4	e?	12	34	56					-1.5	I
4	e	17	25	25					-1.6	I
4	eP	19	45	48					-2	I
4	eP	20	03	31.5	0.9				-2	I
4	i	22	56			82				600 lb. blast
5	eP	00	54	10					-2.8	I
5	iP	09	33	41.0		+		+	-2.7	I Local, 46 mi. W?
	iS			50.2						
5	i	22	14.5			90				450 lb. blast
6	iP	00	38	53.3		+100	+2	+65	-2.0	III Moderate regional
	iSZ		39	12.5				340		96 mi. W
	iSEW			13.0		800				

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
6	eP	03	57	10					-2	II Distant
	e	04	00	47						
	eS		07	58						
6	eP	11	58	57					-1.7	II
	i		59	05						
	i			19						
	i	12	01	51						
	eS		08	03						
6	iP	13	01	52					-1.7	I
6	e?	23	31	15	1.5				15:00	I Regional
	e			22					-1.1	
	i		34	53	1					
	i		35	18						
7	iP	10	27	03	1.0			+	-.6	II Regional?
	i			21.5						
	e		30	25						
7	e	12	36	50					-.5	I Regional?
	e		37	38						
	i			57						
	i		40	31						
	i		41	19						
8	e	01	13	11					15:00½	I Regional?
	e		14	09					-.2	
8	iP	02	48	14	0.7				-.2	I Regional
8	iP	12	37	03.9		-	+	+	0	II Local, 42 mi. ESE
	i			04.0		+55	-20	-		
	i			04.6						
	i			13.1						
8	iP	19	54	14.2		+15	-	+	15:00	II Blast or local, 4 mi. W
	iS			15		120			+.4	
8	i	22	51.3			400				1800 lb. blast 2½ mi.
8	iP	23	10	53.2		-20	-	-	0.6	I Local, 7 mi. W
	iS			54.6						
9	eP	20	47	55					+2	II Distant
	e		48	01						
	ePP		51	56						
	e		59	15						
	eS			52						
	e	21	00	36						

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
10	eP	11	15	46.5					+2.7	I Regional
10	iP	23	40	29.6	0.12	+310	-120	+115	+3.4	III Sharp local shock
	iS			30.3		-510	-1210	-500		3.5 mi. WNW
	m			30.9		1150+	1750	1120		
11	e	19	28	10	1.5				+4	I
11	i	22	54.8			275				1250 lb. blast?
12	eP	01	58	00	1.2				+3	I
12	iP	07	52	13.4		-20	+15	+	+2	II 67 mi. SE
	i			14.6						
	iS			26.8		300				
12	e?	10	47	42					+2.1	I Regional
	eP			58						Felt in southern California
	e		49	29						
	e			47						
12	eP	11	18	38					+2.2	II Regional to distant
	iP			42						Felt in southern California
	i			54						
	i		19	12						
	i		20	37						
	i			43	2					
13	e	08	29	04					+3.3	I
	e		30	27						
	e			45						
13	eP	10	02	00.5					+3.4	I Distant
13	eP	11	09	16.5					+3.5	I
	e		10	42						
13	iP	19	36	00.3		+		+	+4.0	I Regional, 100 mi. W
	iS			20.5						
14	iP	17	39	17.6		+75	-25	+25	+5.3	II 3½ mi. WNW Local shock
	iS			18.3		500		160		
15	iP	18	30	12.7		-75	-10	+100?	+6.7	III sharp local
	iS			15.1		1000		450		
15	iP	18	33	40.3		-10		+	+6.7	II Aftershock, 11 mi.
	iS			42.7		180		50		
15	eP	19	02	16					+6.7	I Local, 4 mi.
	iS			17.8		50				

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
15	iP	19	24	46.2					+6.7	I Aftershock 11 mi.
	iS			48.5		60				
15	eP	19	55	15.1					+6.7	I Aftershock, 11 mi.
	iS			27.5		50				
16	iP	04	28	39	1.2			+	+7.1	I Regional, 95 mi.
	iS		37	58						
16	iP	21	57	06.8	1.4			+	+8.1	II Distant (Off Colima)
	iPP			40						C.G.S. 19° N, 105° W
	eZ	22	00	28	3					O = 21:51.5 Δ = 1800 mi.
	e		01	53						
	e		05.8							
	Coda	22.3			9					
17	iP	18	37	40				−	+9.5	I
18	eP	02	12	24	2				+10	I
18	iP	14	42	44.3	1.3				+10.8	I Distant
19	e	00	05	40					+11.5	I Regional, Felt in Los
	i		07	16						Angeles Metropolitan area
	i			36	1.5					
19	eP	01	55	22.5					+11.5	I Distant
19	e	03	08	15.5					+11.6	I Regional, Felt in Los
	i		09	55.5						Angeles Metropolitan area
19	iP	10	01	31		+15	0	+	+12.2	I Regional, 200 mi. W
	iS		02	08.5						
19	iP	12	36	07.1		−14	−25	−25	+12.3	II Regional, 96 mi. SSW
	iS			26.3						
20	iP	08	48	55.7		−20	+10?	+	14:39	II 63 mi. ESE
	iP			56.3					+13.3	
	iSEZ		49	08.3		250+				
	iSN			08.9						
20	iP	12	27	21.5				+	+13.5	I Regional
	June 20-21 no record									
21	iP	15	56	19.2	1.0			+	15:00	I
									+15.2	
22	iP	18	33	01	1.0			+	+15.2	I

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
23	iP	02	18	36	0.8			+15	+15.3	I
23	iP	06	38	55.6					+15.6	I Local, 60 mi.
	iP			56.6						
	iS		39	07.6						
	i			08.8						
23	eP	16	52	38					+16	I
24		23	46.6			70				500 lb. blast?
25	e?	01	14	36					+17.7	I Obscured by local disturbance
	e		17	08						
	e		21	28						
25	eP	04	29	48	1.7				+17.9	I
25	eP	08	13	59	1.5				+18	I
	i		14	41						
	i		17	13						
25	eP	14	30	18	1.8				+18.4	
26	iP	14	11	17.3	1.2				15:00½	I
	iP			48.6					-10.2	
26	iP	15	18	32.3				-	-10.1	II Local, 9 mi.
	iS			34.2		140				
28	iP	08	05	59.0	1.4			+15	-8.9	III Distant (off southern Mexico) CGS 14.6° N, 92.6° W
	i		06	15						0 = 7:58.9
	iPP		07	34	2.5					Δ = 36.3° (2500 mi.)
	iPcP		08	24	1.0					
	e		11	43						
	eS		12	02	8					
	eSS		14	38	8					
	iScS		16	17	3					
	e			41						
	eG		17	36	30					
	M		20.0		16	80				
	iP'P'		36	22	1.5					
	Coda	09.0			8;13					
28	iP	10	02	25	1.6				-9	I Distant
	e		03	47						
	i		04	48						
29	iP	22	04	56.5		+	-	+?	-7.1	III Sharp local
	iS			57.1		840		600		3 mi. NW

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
30	iP	11	34	46.3					-6.2	I Local, 58 mi.
	eS			57.9						
30	iP	13	11	21.1		-25	-25	+	-6.1	II Local, 57 mi. NE
	iS			32.6		900		300		
30	iP	21	30	00.5		-	-	+	-5.5	II Local, 57 mi. NE
	iS			11.9		280				

SHASTA DAM SEISMOLOGICAL STATION MONTH OF August 1944

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude .01 mm E	N	Z	R. M. △t	Remarks
1	iP	20	05	21.5	1.1	-		-	+6 -1 min.	I
2	iP	20	04	46.5		-22	+20	+	+7.3 -1 min.	II Local 13 mi. SE
	i			47.5						
	iS			49.2				400		
2	iP	20	21	42.3	1.0				+7.3 -1 min.	I Distant
2	iP	20	41	07.4					+7.4 -1 min.	I 82 mi.
	iS			23.9	1.4				+7.4 -1 min.	
2	iP	20	48	10.6					+7.4 -1 min.	I Local 50 mi. Near Lassen Peak
	iS			20.7						
2	iP	21	22	08.3		-?	+135	+260	+7.4 -1 min.	III Local 9? mi. ESE?
	iS?			10.1				1270		Near Bella Vista? M=37 mi.
2	iP	21	42	09.7				+	+7.4 -1 min.	II 54 mi.
	iS			10.6						
3	iP	01	11	22.0		+	-	-	+7.6 -1 min.	I Local 51 mi. SE Near Lassen Peak
	iS			32.3						
3	iP	01	12	33.8					+7.6 -1 min.	I Local 48 mi. Near Lassen Peak
	iS			13.5						
3	iP	02	19	42.4		-12	+10	+	+7.7 -1 min.	I Local 14 mi. SE
	iS			45.2						
3	iP	09	04	55.8				+	+8.1 -1 min.	I Local 14 mi.
	iS			58.6				80		
4	iP	02	52	03.5					+7.2 -2½ min.	I Local 13 mi.
	iS			06.1						
4	iP	04	32	59.5					+7.0 -2½ min.	I Local 16 mi.
	iS		33	02.8						
4	iP	16	38	08.4				+?	+6.4 -2½ min.	I Distant
	i			42.9						
	e		40	30.9						
4	iP	20	42	42.3				+	+6.0 -2½ min.	I Distant
5	iP	01	07	29	1.3			+	+6.4 -2½ min.	I Distant
	i		10	57						
5	iP	01	34	20				+?	+6.4 -2½ min.	I Distant
	i		38	12						

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
5	i	07	03	35					+6.7	-2½ min. I Regional
	i			54						
6	iP	21	36	50.8		-177	-55	+90	+6.8	III Sharp Local 3½ mi. ENE
	iS			51.5				750		
7	iP	01	19	36.6		+		-	+6.6	II Regional
	iP			39.1						
	iP			40.3						
	iS		20	09.6				-165		
	i			12.1				280		
7	eP	03	36	49.5					+6.5	I Distant CGS 16.9°S, 71.5°W (Peru) O=3:25.3 Δ=73
	eS		46	16.5						
7	eP	12	53	20.5					+6.5	I Distant
	iP			34.5						
7	iP	13	45	38.5					+6.5	I Distant
8	iP	8	46	51					+5.0	I Distant
	i	8	47	15	1.2					
	e		50	53						
8	iP	10	37	60.7				+	+4.9	I Distant
	iS		38	21.9	0.8					
9	iP	04	24	33.5				+	+3.5	I Distant?
	i			48.5						
9	iP	09	07	04.2		-	?		+3.1	I Local 41? mi.
	i			12.4						
	i			13.0						
9	e	14	02	56					+2.8	I Regional or Distant
	e		03	12						
	i		04	11						
10	iP	01	55	43		+		+	+1.9	II Distant CGS 51.4°N, 130.5°W; (Off British Columbia) O=1:52.7 Δ=830 mi.
	i?			57						
	e		58	57						
	e		59	16	15					
	e	02	00	15	8					
	e		01	36	7					
10	i	07	37	55.5					+1.5	I
10	e	11	01	51					+1.4	I Regional

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
10	iP	11	38	1.5					+1.3	
	e		48	25						
	e		49	17						
10	iP	19	00	07.7		+50	-10	+	+0.9	II Local 4½ mi. N of W
	iS							210		
11	iP	08	03	00.6	.8	+	-	+	-2.5	I
11	iP	17	05	1.4		-?		-	-5.0	II 22 mi. W?
	iS			5.8				280		
11	e	17	11	34.0					-5.0	I Distant
	iP			35.6	1.5					
12	eP	08	27	4.4					-7.4	I Regional
	iP			11.8						
	iS			27.4						
	iS			41.6						
12	iP	22	24	53.0				+	-9.0	I Local 3½ mi.
	iS			53.7						
13		02±			Time uncertain					I Distant
14	eP	00	53	20.5					-13.4	I Local 27 mi.
	iP			22.5						
	e			26						
	iS			27						
14	iP	11	13	00	1.0	+	-	+	-13.8	II Distant
	iP			20				120		
	e		17	31						
	e			44						
	i		19	48	1.0					
	e			57						
15	e	1	33	04				-	-14.1	I
	e			24						
15	iP	12	00	2.5	1.3			-	-14.4	II Distant
	iP			16.5						
	iP			30.5						
	iP			39						
	iS		01	00	1.3	-			-14.4	
	iS		10	15.5	2.9	+	+			
	e		11	07						
16	iP	22	13	35.7				+	-15.1	I Blast?
	iS			38.4						13 mi.

SHASTA DAM SEISMOLOGICAL STATION MONTH OF August 1944

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
17	iP	19	11	14.1		+10	+?	+	-16.3	I Local, 5 mi. W
	iS			15.0						
	i			31.7						
17	e	21	22	49.6					-16.6	I Regional
	i			51.6						
	i		23	9.5						
18	e	01	39	50.8					-17.2	I
	e		40	08.8						
	i		41	46.8						
18	iP	10	44	24.2		-	+	-	-18.3	II Distant CGS 35°N, 137°E
	M							50		(Japan); 0=10:33.1 Δ=75°
	iPcP			41.5	1.1					
	ipP		45	07						
	isP			30						
	iS		53	31						
	eScS		54	07						
	epS			28						
18	e	11	12	00.1	1.7				-18.4	I Local
18	i	11	21	08.6	1.2				-18.4	I
18	e	19	34	28.2				-	-19.3	I
19	iP	10	52	06.5		-		+	-21.1	I Local, 25 mi.
	iS			11.5				110		
20	i	19		10.0				+		I Local, 4 mi.
20	iP	21	47	18.5	1.2			-	+5.5	I Distant
21	iP	16	12	22.6				-	+3.8	I Local, 31 mi.
	iS			28.8						
21	iP	16	17	49.8					+3.8	I Local, 13 mi.
	iS			52.4						
22	iP	08	18	06.8		+40	-60	-	+2.1	III Local, 13 mi. ESE Near
	iS			09.5	0.15			155		Palo Cedro or Bella Vista
	m							1200		M=37 mi.
22	iP	08	28	18.1				-	+2.1	I Local, 13 mi.
	iS			20.7						
22	iP	16	59	52	1.0				+1.4 -1 min.	I Distant
22	iP	22	18	03.3		-	+	+	+1.0 -1 min.	II Local, 13 mi. SE
	iS			06.0				160		

SHASTA DAM SEISMOLOGICAL STATION MONTH OF August 19 44 5.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
23	e	21	33	34					-1.2 -1 min. I	
24	iP	02	41	48	0.7			+	-1.6 -1 min. I	
24	eP	16	08	41.0					-3.0 -1 min. I	Distant
	e		09	19.0						
24	iP	21	34	29.8				-	-3.5 -1 min. I	
24	iP	23	44	41.5	1.2	-	+	-	-3.6 -1 min. I	CGS 15.0°N, 93.0°W,
	e		46	13.5						(Guatamala) 0=23:37.8
	iPcP		47	10.5	1.0					Δ=36°
	i			33.5						
24	e	23	54	52.4			+		-3.6 -1 min. I	
	e		56	37.4						
	e		57	06						
25	iP	00	32	22.8		-16	-10	-80	-3.7 -1 min. II	13 mi. WSW
	iS			25.5		550		450		
25	iP	00	43					-		I Local, 14 mi.
25	iP	12	36	28	1.0			-	-4.6 -1 min. II	Distant
	i		37	24.5						
27	e	02	00	28	1.0				-7.6	I
27	eP	18	52	43.1	1.7	+	+	+	-8.9	II Distant
	i		53	10.4						
	i		55	38						
27	iP	22	08	56.6		-100	+10	+55	-9.1	II Local, 44 mi. S of E
	i		09	02.7						
	iS			05.4						
27	iP	22	19	30.4		-	0	+	-9.1	I Local, 45 mi. E
	iS			39.4						
27	eP	22	25	36	1.0			+	-9.1	I
28	iP	05	44	58.4					-9.6	I Local, 50 mi.
	iE			59.6						
	e		45	08.4						
	eS			09.9						
28	i	10	28	04					-10.0	I
	i			20						
28	iP	11	30	03					-10	I Local, 13 mi.
	iS			05.6						

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
28	e	14	09	41					-10.1	I
28	iP	17	41	42.1	1.0				-10.4	I
29	iP	06	40	33.9		-38		-25	-11	II Local, 53 mi. E
	iS			44.7				480		
29	iP	18	52	21.6		-200	+110	+150	-16.6	III Local, 54 mi. ESE
	iS			32.4				900		Probably Warner Valley in Lassen Nat'l. Park
29	iP	18	57	06.4		-	+	+	-16.6	I Local, 57 mi. ESE?
	iS			17.8						Warner Valley?
29	iP	19	11	39.5		-	+	+	-16.7	II Local, 55 mi. ESE?
	iS			50.5						Warner Valley?
30	iP	01	26	50	0.8			+	-18.9	I Regional or Distant
30	iP	04	11	38.3		-		-	-19.9	I Regional or Distant
	i		12	16.1						
30	iP	06	32	42.7		-190	+100	+150	-20.7	III Local, 54 mi. ESE
	iS			53.5				600		Warner Valley
30	iP	07	04	14.3		-150	+90	+125	-20.8	II Local, 55 mi. ESE
	i			15.3						Warner Valley
	i			34.3						
	iS			35.3				560		
30	iP	07	32	58.4		-	0	+	-21.0	I Local, 55 mi. ESE
	iS		33	09.4						Warner Valley
30	eP	11	30	32.2					-22.3	I Local, 47 mi.
	i			33.7						SW slope Mt. Lassen
	iS			41.7						
30	iP	16	01	52.6		-20	+12	+18	-23.7	II Local, 57 mi. ESE
	iS		02	04.1						Warner Valley
31		00	53	34.2					-26.8	I Local, 55 mi.
										Warner Valley
31	i	07	25	32.3		-	+		-29.2	I Local, 56 mi.
	iS			43.6						Warner Valley
31	iP	19	20	50.9		-80	+50	+65	-33.3	II Local, 56 mi. ESE
	iS		21	02.1						Warner Valley

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1944 DEC 11 AM 10:04
1944 FEB 11 AM 10:04

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
1	iP iS	7	17	18 20.6				-	0	I Local, 13 mi.
1	iP i? i	05	29	04.7 05.7 07.3		-113	+98	+140 1250+	-2.2	III Local, 13 mi. SE M = 38 mi. Felt in Toyon Gov't. Camp
1	iP iS	08	11	32.8 44.0		±?	+	+	+0.6	I Local, 56 mi. ESE? Warner Valley
2	e i	20	02	11.3 14.3			-		-4.2	I
2	iP iS	22	15	37.2 37.8		+	-	+ 250	-4.5	II Local blast 250#, 3 mi.NW
3	iP e	23	10 11	43.8 11				-	-4.7	I
4	i	3	01							I Local, 13 mi.
5	iP i	01	18 19	36.4 12	1.4			+	-3.8	I Distant
5	iP i eN eE	04	45 50 56 57	35.9 31.6 41.6 16.7				+	-3.4 -3.3	I Distant CGS 45°01'N; 74°44'W, O=4:38.8
6	iP	03	37	50.3				+	-1.0	I
6	iP eS	06	05 15	10.5 44	1.5			+	-1.0	I Distant
6	i	8	35	54	1.0				-1	I Distant
6	e	21	01							I Local, 11 mi.
7	iP e iS	16	10	35.4 43.5 44.5				+	-1.5	I Local, 45 mi.
8	iP	01	33	11.1	1.0				-2.7	I Distant
8	iP	09	36	32.5		+	+		-2.9	I Local, 11 mi.
8	iP iS	20	18	23.4 24.1				+	-2.6	I Local, 3½ mi.
9	iP iS	00	28	28.9 41.4		?	?	+?	-2.4	I Local, 62 mi.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
9	iP	17	40	29.4	1.0			-	-2.6	I Distant
10	iP	04	59	54.7					-2.0	I Local, 63 mi.
	i	05	000	05.5						
	iS			07.4						
10	iP	21	55	17.5		-		-	-0.6	I Local, 12 mi.
	iS			19.9						
10	iP	22	30	54.1		-		-	-0.5	I Local, 12 mi.
	iS			56.5						
11	iP	9	59	35.5	1.0			+	+0.5	I Distant
	e	10	02	35						
	e		03	21						
	i			59						
	e		10	12						
	e		11	13						
11	i	10	15	14					+0.5	I Distant
	iP			29.5	1.5					
	iE			38.5						
11	i	10	19	26.5	1.5				+0.5	
	e		23	.20						
11	iP	17	54	21.1	0.9	-	-	-	+0.5	II Regional
	iS?			41.5				550		100 mi. SW?
11	e	18	00	21.5	0.8				+0.5	I
	i			44.5						
11	e	18	26	0.9					+0.5	I
	i			51.5						
12	iP	02	41	2.6		+	-	+	0.0	II Regional
	iS			27.0						115 mi. N.W.
12	i	21	00	8.6					-1.2	I Faint
12	e	22	54	24.6					-1.4	I Faint
	i			34.2						
12	e	23	03	0.1					-1.4	I Faint
14	e	02	03	38					-2.2	I
	i		04	35						
14	e	06	58	00					-2.5	I

SHASTA DAM SEISMOLOGICAL STATION MONTH OF September 1944

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
15	e	02	20	13				-	-3.2	I
15	iP iS	02	32	01.3 04.7					-3.2	I Local, 12 mi.
15	i	18	41	45.0					-3.3	I
16	iP i i i e e	02	45 46 48 	43.7 3. 32 52 08 42	1.5	+	-	+	-2.5	III Distant
16	iP	04	47	30.6	0.9	+		-	-2.4	I Distant
17	e iP e	06	11	12 13.5 31					-1.6	I Distant
17	iP i	09	27	02.7 25.5	1.0			+	-1.5	I Distant
17	i i	10	25	43.5 53.0					-1.5	I Local, 47 mi.
19	iP iS	01	29	40.1 40.7		+	-	+ 220	-4.6	II Sharp Local 3 mi. NW
19	i i	09	15	44.5 50					-5	I Local, 27 mi.
19	i	09	36	30.7					-4.9	I Local, 12 mi.
19	iP i	13	15	10 20	1.5	+	-	+	-4.8	I Distant
20	i	08	00	09.5					-3.0	I Local, 35 mi.
20	iP	18	36	31.8					-3.2	I Distant
20	iP iS	22	15	34.8 42.6					-3.4	I Local, 38 mi.
21	iP	01	55	07					-3.5	I Distant
21	e i	06	27 28	57.6 22.2					-3.6	I Distant

SHASTA DAM

SEISMOLOGICAL STATION

MONTH OF September 1944

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
21	iP	17	18	53.4		+100+	+70	+	-3.6	III Regional, 80? mi. WSW
	i		19	06.5						Eel River Valley
	i			09.8						
21	iP	19	57	45.5					-3.5	I Distant
21	iP	22	40	31.3		+20	-	+	-3.5	II
	i			47.2						
21	iP	23	11	56.3		+?	-	+	-3.5	II Sharp Local probably
	iS			56.8						Blast 2½ mi. NW
22	iP	10	55	54.6		+40	-20	+40	-3.6	II 65? mi. WNW
	iN			59.9						
	i		56	04.2						
	i			07.9						
	i			11.4						
22	iP	22	16	44				-	-3	I Local, 50 mi.
	iS			54						
22	iP	22	44	36					-2.7	I Distant
23	iP	03	22	41				+	-2.3	I Distant
	i			58						
23	e	11	38	36					-1.7	I Distant
	i			45.5						
	i		39	16.5						
23	iP	12	22	23.6		+		+	-1.6	III Distant
	i			36.4						
	eS		29	51						CGS 55.5°N, 160.7°E,
	e		32	20						(Kamchatka) 0=12:13.3
	e		33	08						△=3600 mi.
	coda				9					
23	iP	13	28	54					-1.5	I Distant
23	e	16	14	03.2					-1.3	I Distant
	iP			04.5				-		
	i			15.0						
	i			39.7						
23	iP	22	34	44.5					-0.5	I Local
	iS			54.5						
23	iP	22	57	41.7					-0.5	I Local
	iS			03.8						
23	e	23	33	04.7					-0.3	I Regional

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
24	iP	11	04	51.5		+	-	+	+1.2	I Distant
	i									
	i									
25	eP	16	24	45.9					-3.1	I Distant
	iP			47.4						
	i			64.4						
	iS?		25	59.9						
26	iP	01	03	28.4				-	-4.1	I Distant
26	e									
	iP	17	18	56.3					-5.7	I Distant
26	iP	17	50	26.4					-5.7	I Distant
	i			33.3						
	i			45.3						
27	iP	14	23	35.3		0			-9.1	I Distant
	i			45.1						
29	iP	07	53	30.0					-12.2	I Distant
29	iP	11	32	27.7					-12.5	I Regional
29	iP	12	28	16.0					-12.5	I Distant
29	iP	14	51	07.7					-12.6	I Distant
	iS			26.6						
	i			43.9						
29	iP	17	04	23.5					-12.7	I Distant
	i			30.0						
29	eP	19	14	57.8					-12.7	I Distant
	i		15	23.3						
	i			39.3						
29	iP	22	08	44.6					-12.7	I
31	e	08	23	45.4					-13.6	I Distant
	iP			48.4						

International Seismological Centre

SHASTA DAM SEISMOLOGICAL STATION

INSTRUMENTAL REPORT . . . . . October, November, December, 1944

The Shasta Dam station continued in routine operation throughout the period of the report.

Roman numerals I, II, and III refer to the size of the record; shocks marked I are barely recorded, II well recorded, and III well recorded with large trace amplitudes. The last should have been felt under favorable conditions. Local shocks are less than 70 mi., regional shocks from 70 to 700 mi., and distant shocks greater than 700 mi. Regional shocks of unknown distance may be classed as distant.

A number of local shocks—class III, originating from an area 13 mi. SE of the station were recorded during the quarter. Some of these should have been felt in the epicentral area.

Confidential-not for publication.

SHASTA DAM SEISMOLOGICAL STATION MONTH OF October 1944 1.

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Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	R. M. △t	Remarks
1	iP	15	16	49.7	1.0				-14	I Distant
	i		17	12.6						
	i			54						
	i		18	03.5						
2	iP	09	31	42.5					-13.3	I Regional
	i			56.5						
2	iP	17	29	06					-13.3	I Distant
	i			38						CGS 14.5°N, 90.1°W
	i		34	51						(Guatemala) 0=17:21.9
										Δ=38°
2	iP	18	54	47		+	-	+	-13.3	I Blast? 3 mi. NW
	iS			47.6						
2	iP	20	40	40			-	+	-13.3	I Distant Japan (Paca
	iS		49	38		+				
3	eP	02	30	12.5					-13.3	I Distant
	iP			37						
3	iP	06	08	26					-13.3	I Local 46 mi.
	iS			35.2						
3	iP	16	20	51					-13.4	I Distant
5	iP	02	27	33.5		+			-15.4	I Regional
	iS		28	09.5						
5	e	17	09	54.5					-16.6	I Distant
	iP		10	15.5						
	eS		20	53						
5	iP	17	41	07	1.4		+	+	-16.6	II Distant New Hebrides (Paca)
	i			09						
	iS		51	22.5						
	iS			43						
5	e	18	06	59					-16.6	I Distant
6	eP	02	48	07				-	-16.2	I Distant
	e		52	09						CGS 39°N, 27°E 0=2:34.7
										(Turkey) Δ=95.5°
6	iP	17	00	08		+	-	+	-15	I Local 3½ mi. NW
	iS			08.7						
6	iP	20	34	54				+	-15	II Blast? 1 mi.
	iS			54.2						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF October 1944 2.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
7	iP	08	03	43.4		-	?	-	-13.9	I Regional
	eS		04	06.6						
7	iP	13	46	38.0					-13.7	I Regional
	i		47	14						
	i			57						
9	iP	02	30	10		-	+	-	-11	I Distant
	i			23.5						
9	eP	20	58	16.5					-11.4	Distant
10	iP	00	04	14		+90	-40	+	-11.4	II Blast? 3 mi. WNW
	iS			14.6						
11	iP	02	52	25.8		+15	-8	+	-11.4	I Regional 80 mi. WNW
	eS			41.8						
11	iP	09	56	35.7	1.5	+	+	+	-10.8	II Distant Samoa (Pago)?
	i			44.5						
	i	10	07	16	1.3					
12	iP	09	07	21					-10	I Local 60 mi.
	iS			33						
12	iP	16	19	38.5				+	-10.2	I Distant
	i		20	28						
12	iP	16	45.0					+		II ~~Local or~~ blast 2½ mi. 2300 ft
12	iP	17	35	04					-10	I Distant? Preceeded about 11 mins. by an indecisive disturbance
12	iP	23	23	13		+31		+	-10	I Blast or local, 4 mi.
	iS			13.8						
13	iP	04	10	56.4		-10	-10	-	-9.8	I Local, 47 mi. SW
	iS		11	05.9						
13	iP	05	45	54				+	-10	I Distant
	i		46	45						
13	eP	15	46	09	.8				-9.6	I Regional
	i			29.5						
13	iP	19	32	13.5		-10	?	+	-9.5	II Local, 16 mi. E
	iS			16.7						
14	iP	02	31	29.5					-9.6	I Distant
	i			58.5						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF October 19 44 3.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
14	iP i	15	25 27	50 27	1.0			+	-9.6	I Distant
14	e	16	32	50					-9.6	I Distant
14	e e e	20	30 34	13 17 35					-9.8	I Distant
14	eP	22	18	28					-10	I Distant
15	iP	04	14	41					-10.4	I Distant
15	eP	09	26	15.5					-10.5	I Distant
17	iP i	01	51	24 27				-	-12.8	I Distant
19	iP iS	00	40	43 54.2		-	-	+	-15.6	I Local 56 mi. NNE
19	iP	13	57	04				-	-15.7	I Distant
20	eP i e	01	13 14	05.1 15.5 05.8					-16.7	I Regional?
20	iP i iP	09	09 11	44 51 39					-17.2	I Distant?
20	iP iS	22	41	02 02.5		+	-	+	-18.1	II Blast 2½ mi. NW
20	i iP?	23	12	06.3 08.1					-18.2	I Regional? First i may be of local disturbance. iP? may be iS of same, but a P of regional shock start above here.
21	eP i	21	27	05.5 30					-19.7	I Distant
22	iP iS	09	36	45.5 47.2		-	?	-	-20.5	I Local 6 mi. W
22	iP iP iS	16	13 14	46 47 06		+10	+4	+	-21	II Regional 105 mi. WSW

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SHASTA DAM SEISMOLOGICAL STATION MONTH OF October 1944 November 19 4.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

Δt is time correction

Date	Phase	G. C. T. h.	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	Δt	Remarks
22	iP	18	58	51	1.0	+	-	+	-21.2	I Distant
	iPP		59	04	1.2					Compression from NW
	eS	19	09	09						
	i									
23	eP	05	47	11.5					-21.9	I Distant?
	i			14						
23	i	20	25	34					-22.6	II Blast 2 min.
23	eP	22	23	27				+	-22.7	I Distant
23-24	eP	23	49	38.					-22.7	I Distant GOS 0.5°N, 80.0°W
	iP			43.8						(Equador) O=23:40.03
	i			19						Δ=55½°
	eS		57	22						
	e	00	19	41						
24	eP	00	37	17				+	-22.8	Distant
24	i	01	57	30			-	-	-22.8	I? Seismic origin doubtful
24	iP	12	46	53					-23.4	Distant
27	eP	09	24	43					-30.2	I Distant
27	iP	13	33	24		-35	+6	+	-30.7	II Local, 45 mi. S of E
	iS			33						
28	e	18	33	45					-34.1	I Distant
	e		34	23						San Gorgonio Pass (Pacific
29-30										Heavy microseisms
Nov. 1	e	12	20	19					-8.7	I Distant
2	e	05	01	39					-8.2	I Faint trace-regional
	i		02	56						
2	iP	11	09	33	.8			-	-8.1	I Distant?
4	e	08	13	19					-5.8	I faint trace-regional
	e		14	13						
5	iP	06	32	11					-4.2	I Distant?
5	iP	16	29	22				-	-3.4	I Distant
	i		31	01.5						
	eS		38	03						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF November 19 44 S.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
7	iP	09	51	05.4	1.0	+	+	+		I Distant Compression from SW
8	iP iS	05	52	03 03.5		+100 480	-80	+?	+3	I± ~~Blast~~ Local? 2½ mi. NW
8	iP iS	13	30	01.2 04.0		?		-?	+4.2	I Local, 13 mi.
8	iP iS	13	31	01.7 04.4		-65	+43 1170	+ 520	+4.2	III Local, 13 mi. SE
8	iP iS	13	32	06.2 08.9		-7 170	+6	+	+4.2	II Local, 13 mi. SE
8	iP iS	14	15	11.1 13.8		+	-	+7	+4.3	I Local, 13 mi.
8	iP iS	14	17	09.1 11.8		-20	+17 450	+ 140	+4.3	II Local, 13 mi SE
8	iP iS	14	24	14.5 17.2		+19	-18 700	+ 300	+4.3	III Local, 13 mi SE
8	iP iS	14	49	41.1 43.8		-58 1080	+37	+ 550		III Local, 13 mi SE
10	iP iS coda	08	06	46.8 49.5	0.16	-135	+110 1100+	+150	+7.3	III Local, 13 mi. SE
10	eP eP	13	22 27	24.5 12	1.5				+8.2	I Distant
10	iP iS	22	14	09 09.7		+	-	+	+9.7	I Local ~~or blast~~ 3½ mi NW
11	i i iE	11	26	31 38.2 53.3					+12	I Regional
13	iP iS	05	31	26.5 37.9		-	+	+	+15.5	I Regional, 57 mi. SE
13	iP iS	14	56	26.7 29.4					+16.3	I Local, 13 mi.
13	iP i iS	19	35 37	06.7 08.7 12.5				+	+16.9	I Distant

SHASTA DAM SEISMOLOGICAL STATION MONTH OF November 19 44 6.

International Seismological Centre

Bureau of Reclamation and
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△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
13	iP	21	10	33.4					+17.1	I Local 13 mi.
	iS			36.1						
13	iP	21	18	08.1					+17.1	I Local 13 mi.
	iS			10.7						
13	iP	22	59	44					+17.4	I Local 2½ mi.
	iS			44.5						
14	iP	00	42	01.7				-	+17.5	I Distant
14	iP	19	05	18				+	+20.7	I Regional 170 mi.
	iS			50.5						
14	iP	23	24	06.5				+	+21.5	I Distant
	i			24						
15	iP	08	11	38		+20	-5	-	+22.5	I Regional 160 mi. ESE
	i		12	08.5						
15	eP	21	00	53.5	1.0			+	+24.8	II Distant CGS 4°N, 128°E
	i		01	12						(SE of Philippines)
	ePP		05	13						0=20:47.0 Δ=102½°
	iSKS		11	27						
	SKKS			53						
	PKIP		16	37	1.0					
16	eP	12	23	25					+26.7	II Distant CGS 12°S, 166°E
	iP			32						(Near Solomon Is.) 0=12:10.
	e		26	55	3.5					Δ=84°
	eSKS		33	42						
	e		34	11						
16	eP?	12	36	55	0.8				+26.7	
	e			17						
	code				16					
16	iP	23	54	41.5		+15	+5	+	+29	II Regional 110 mi. WSW
	iS		55	03						
17	eP	00	33	57.5					+29	I Regional 400 mi.
	eP		34	06						
	i		35	07						
	i			13						
17	eP	02	40	09.5				+	+29.2	I Distant
17	iP	18	40	34.5				500	+31.1	II Blast 2 mi. 3650 #
17	iP	18	49	55.5				-	+31.1	Regional?
	i		51	13.5						

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SHASTA DAM SEISMOLOGICAL STATION MONTH OF November 19 44 7.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
17	i	22	22	50.5					+31.5	Distant
18	iP	05	23	42				+	+32.7	Distant
18	eP	06	04	24					+33.1	I Distant
	i			27.5						
	i			38						
19	iP	02	21	07.3		+25	-15	+	-24.7	II Regional 150 mi NNW
	i			36.3						
19	e	19	20	34.5					-22.4	I Distant
	e			43.5						
19	e	21	25	38					-22	I Distant
19	iP	22	48	01					-22	II Blast? 2½ mi. 3800 #
	is			01.5				300		
20	iP	04	54	11				-	-20.5	I Distant
	i			29.5						
20	iP	20	21	42					-18.2	I Distant
20	iP	22	22	58.4		+15	-10	+	-18.0	I Regional
	iSZ		23							
20	iP	21	39	40.4		+	-	+	-18.1	II Distant
	iP		40	08						
	e		47	16						
21	i	03	56.5							I Local 10 mi.?
23	iP	00	34	11.5					+10	II Blast 2½ mi. 1800 #
	is			12				300		
23	iP	05	52	33.5				+	+9.4	I Distant
23	iP	10	59	06.2					+9	I Distant
24	iP	05	01	34.0		+40	+36	+220	+7.9	III Distant 86° SW h=125 mi.? OGS 20°S, 171°E O=4:48.9
	i			54						
	ipP		02	17						
	i		04	59.4						
	e		09	22						
	e		11	16						
	is			43						
	e		12	08						
	eeS			56						
	e		14	08						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF November & December 19 44 8.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
24	iP iS	22	50	06 20.8		+80 380	+26	+60	+6.8	II Local 64 mi. WSW Probably near Zenia
26	iP eP	07 08	54 04	48.0 44.8	1.4	-10	+	-35	+4.8	I Distant
26	eP iP iS	19	29	20.7 21.3 53.4		+ -35	-10	+ -35	+4.9	I Regional
27	iP iS	20	23	16.8 27.8					+4.8	I Local? 55 mi.
28	e e	16	14	42 48					+4.3	I Distant
28	eP	19	05	04					+4.2	I Distant
29	iP e	19	03 04	53 00				+	+4.0	I Distant
30	eP iP	01	57	57 58					+4.1	I Distant
Dec. 1	iP	04	11	39.5	0.9			-	+4.5	I Distant
2	i	09	20	39					+4.6	I Regional?
2	i	21	04	32					+4.4	I blast? 2½ mi.
3	iP i	07	55	07.3 50					+4.3	I Distant
3	i	21	52	31					+4.6	I blast 2½ mi. 1550#
4	iP i iS	20	46 50 56	50.4 06.5 58.5	1.3	+?		+	+5.4	II Distant Felt on Saipan (Pasa.)
5	eP	01	03	40.5					+5.5	I Distant
5	i	02	19	25					+5.4	I Local 2½ mi.
5	iP iP iS iS	08	39	40.7 42.1 49.2 51.4		-20	0	+	+5.4	II Local 42 mi.
5	iP i	14	38 45	12 44	1.0 2				+5.5	I Distant
5	iP?	15	18	02.5					+5.5	I Distant? Obscured by local disturbance

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SHASTA DAM SEISMOLOGICAL STATION MONTH OF December 1944 9

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
5	iP	16	04	25.2		+15	-10	+	+5.5	II Regional
	i			32.5						180 mi. WNW
	eS			59						
	iS		05	01						
5	eP	17	13	43	1.8				+5.5	I Distant
	iP			49.5						
	e		19	56						
6	iP	16	38	16	0.8				+5.6	I Regional
7	e?	04	47	12	0.9				+5.7	III Distant
	iP			31	2.5			+		Destructive in Japan
	i			43						OGS 33° N, 137°E
	i		48	01						O-4:35.7 Δ=76+°
	eS		57	16						
	i		59	50	10					
	i	05	01	31	1.5					
	iPKIP		06	34	1.5					
	iP'P'		14	53	1.5					
	i		24	32	1.5					
	iP'P'P'		34	47	1.5					
	i		41	48	1.0					
	coda				15;10					
7	iP	05	59	51.5	0.8				+5.8	I Regional?
7	e	06	14	18					+5.8	I Distant
	i			24	1.5					
7	eP	06	37	21.3					+5.8	I Aftershock—Japanese
	iP			34						Earthquake
	i		40	28						
	iS		47	08						
7	eP	07	00	29					+5.8	I Distant
	iP			38						
7	iP	20	10	31.7		-15			+5.7	I Local 55 mi.
	iP			32.8						
	iS			42.6						
7	iP	20	58	45.7				+?	+5.7	I Local 56 mi.
	iS			57						
7	iP	21	09	29.5				+	+5.7	I Distant
7	i	22	52	59.5	0.9			-	+5.7	I

SHASTA DAM SEISMOLOGICAL STATION MONTH OF December 1944 10.

International Seismological Centre

Bureau of Reclamation and
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△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
8	iP	01	22	37				-	+5.6	I Distant
8	eP	07	29	55					+5.5	I Distant
	i		30	18						
8	iP	18	32	33.5				+	+5.7	I Distant
	iP			38				+		
	eS		41	59				+		
8	iP	22	13	12.5	1			-	+6.0	I Distant
9	i	00	22	28.6	0.8				+6.1	I Regional
9	iP	02	04	17.7				-	+6.2	I Regional
9	iP	07	58	49.4	1.0	-	-	-	+6.1	I Regional SW
10	eP	05	31	31.4	2.5				+6.4	I Distant
	iP		32	19.4						
	i		36	05.4						
	e		42	58						
10	iP	09	39	24.3	1.0	+	-	+	+6.4	I Compression from NW
10	iP	16	37	42.7				+	+6.7	II Distant Δ=87°
	iP			43.7		+		+		New Hebrides
	iS		48	07	5					CGS 18° S, 167°E
	coda				16					O=16:24.9
10	iP	16	57	24	1.4				+6.7	I Distant
	i			36.5						
	e	17	07	50	4.5					
10	eP	19	42	56					+6.9	I Distant
	iP		43	03.3	1.6			+		
12	iP	04	24	46.2	1.2	+	-	+	+11.2	II Distant
	i		26	21						Aleutian Is.—Compression
	eS		30	49						from NW
	e		33	56						CGS 51.5°N, 179°E
	i		34	49	1.8					O=4:17.0 Δ=41.5°
	coda				8					
12	iP	10	36	57.5	1.5	+	-	+	+12.1	I Distant
	i		37	12						
15	iP	08	17	12.8	1.1	+	-	+	+23.7	I Distant
	i			17.3	1.3	+				
	e		19	54						
	e		26	09						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF December 19 44 11

International Seismological Centre

Bureau of Reclamation and
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△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
15	iP i is	09	37	10 13 16		+	-	-	+24	I Local 30 mi. SE
15	iP is	20	28	25.5 26.1		+75	-100	+	+25.5	II blast 3 mi. NW 2150#
16	iP	15	42	51	1.0			-	+29.4	I Distant
17	iP iP e	07	31 41	14 28.2 26	0.9	+	-	+	+32.3	II Distant compression from NW Δ=41°
18	i	22	52.0							I Local 2½ mi. NW
19	i	03	54	20						I Local 13 mi.
19	i i i	12	40	39 49 51					+10.7	I Local? 50 mi.
19	iP i e	14	21 28	04.5 24 06	.7;1.5			-	+10.9	I Distant
19	iP is is	18	10	36.5 45 46.5		-	0	+	+11.5	I Local 43 mi. E
20	iP	20	57	41.7	1.3			+	+16.2	I Distant
20	iP	23	33	20				+	+16.7	I Distant
21	iP i i e i coda	05	19 20 21 22 24	50.3 32.0 52.5 11 01	.8 1.7 4 5 4	+	-	+ +	+17.5	II Regional?
21	iP i	05	53	06.8 47.5	.7			+	+17.5	I Regional
21	iP	09	14	15	1.5				+18	I Distant
21	iP i is i	11	26	00.9 02.5 09.5 11.9		-105 600	-8	+80 300	+18.2	III Local, 43 mi. E

SHASTA DAM SEISMOLOGICAL STATION . MONTH OF December 1944 12.

International Seismological Centre

Bureau of Reclamation and
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△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
21	iP	14	04	55.3		-85	-6	+52	+18.5	II Local 47 mi. E
	iP			57						
	iS		05	03.8						
	i			07.5				500		
21	eP	20	26	24.5	.8				+19.7	I Distant
	iP			26.5						
21	iP	22	40	21					+20	I Distant So. America (Pasai)
22	eP	05	48	02.5	1.3				+21.5	I Distant, 82°
	e		58	21						
22	iP	08	26	18		-19	0	+	+22	I Local
	i			19.6						47 mi. W
	iS			26.5						
	iS			28.2						
22	eP	10	48	35.5	1.2				+22.5	I Distant
22	eP	16	00	44.5					+23.4	I Distant
22	iP	18	08	50		-35	+20	+	+23.7	I Local 57 mi. NSW
	iS		09	01.7	.16					
	i			07.2						
22	iP	22	43	57	1.2			+	+24.5	I Distant
	iP			58.5						Δ = 82°
	ipP		44	11	1.2	+		+		
	e		54	08						
	iSS			17						
	iss			43						
22	eP	23	01	24.5					+24.5	I Distant
	eS		03	41						
	e		10	36						
23	eP	08	17	51	0.8				+25.9	II Regional
	i		18	02.5	0.4					Owens Valley (Pasa.)
	eN			48						
	eSE		19	00	1.0					
	iSZM			13	0.5					
	coda				1.5					
23	iP	17	01	00	0.9			+	+27.1	I Distant
23	iP	23	58	10.8		-	-	+	+28.3	I Local, 47 mi. NE
	iS			20.2						

SHASTA DAM SEISMOLOGICAL STATION MONTH OF December 19 44 13.

International Seismological Centre

Bureau of Reclamation and
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△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
24	eP	07	27	15.3	0.7			2	+29.3	I Regional
	iP?		28	20.3		-		+20		
25	iP	09	26	56.5	0.3				+3.2	I Regional—270 mi.
	iP			58.8						
	iS		27	44.7	1.3					
27	eP	14	18	32	1.7				+11.6 -2min.	I Distant Hawaii? (Pasa.)
27	iP	15	38	43.3	1.4			+	+11.8 +1½min.	II Distant New Britain? (Pasa.)
	i		39	02.3						
	e		42	29						
	eS		49	14						
	eS			46	4.5					
27	iP	19	04	24.2		+		+	+12.4 +1½min.	I Local 42 mi.
	iS			32.5						
27	iS?	19	04	43.4					+12.4 +1½min.	Probably 2nd shock
28	iP	01	18	43	1.0				+13.5 +1½min.	I Distant
	i		19	29						
28	iP	23	27	47.5	.20	-40	-	+	-13	I Local 40 mi. E
	iS			55.5	.16					
29	iP	11	14	02					-11.4	I Distant
29	iP	14	02	09.5					-11	I Distant
29	iP	23	03	07.5	0.9				-9.5	I Distant?
29	eP	23	52	23	1.0				-9.3	I Distant
30	iP	05	15	33	0.9			+	-8.7	I Distant?
30	iP	18	16	43		-98	+39	+72	-6.8	III Local 57 mi. ESE Probably Warner Valley
	iEW			44.3						
	iZ			45						
	iS			54.7		520	880	480		
30	iP	18	32	51.8		-12	+6	+	-6.8	I Local 56 mi. ESE Probably Warner Valley
	iP			54.0						
	iS		33	03.0						
30	iP	20	51	51	1.4				-6.5	I Distant

SHASTA DAM SEISMOLOGICAL STATION MONTH OF December 19 44 14.

International Seismological Centre

Bureau of Reclamation and
Coast and Geodetic Survey

△t is time correction

Date	Phase	G. C. T. h	m	s	Period T	Trace Amplitude, .01 mm E	N	Z	△t	Remarks
30	eP	22	04	12.5					-6.4	II Distant or regional
	iP			19.5						Dilatation NW
	i			22.5		-	+	-		Probably off Oregon Coast
	i			33.5						
	e		05	03	10					
	eM		08.3		5	90				
	coda				7					