Lake Mead complete 1949



## LAKE MEAD SHISHOLOGICAL STATIONS INSTRUMENTAL REPORT LOCAL MARTHQUAKES January, February, March, 1949

The stations at Boulder City and Pierce Ferry operated on routine schedule throughout January, February and March, 1949.

In the following report symbol I represents shocks with small trace amplitudes. II represents a fairly well recorded shock. III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

This report covers only such earthquakes that are of local interest; namely the listing and location when possible of all local shocks. Data on distant earthquakes and on regional shocks will be included in the Bulletins of the U.S. Coast and Geodetic Survey, which are issued quarterly.

Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
l	1-7-49 1-7-49 3-15-49	03:37:04.5	3 miles SW of Hoover Dam
la		15:11:12.5	1.5 miles SW of Hoover Dam
2		23:04:13.0	3 miles WNW of Hoover Dam

The following shocks were reported felt in the Lake Mead region: Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

No.	Date	0. C. T.	Intensity and Description
	1-7-49	03:37:05	IV at Boulder City and Hoover Dam. Felt by many. Eattled windows.
	1-7-49	04:04:28	II at Boulder City. Felt by few. IV at Boulder City. Felt by many. Rattled windows.
	1-10-49	15:08:30	II at Boulder City. Felt by few. III at Boulder City and Hoover
	2-6-149	15:56:17	Dam. Felt by several. II at Hoover Dam. Felt by few.

nal	LAKE MEAD SEISMOLOGICAL STATIONS	NON	TH OF January	19 49 (1)
ation ologic	Bureau of Reclamation, National Park Service	Tin	e used is	
iterneismentr	BOULDER CITY OV	/ERTON	PIERCE FERRY	
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2 - 3	2 Traces - 5 mi			
3 - 4	Trace - 5 mi			
	15 20 49 30.0 15 1 Local - 1.5 mi			
	18 23 O1 42.2 15 1 Local - 1.5 mi			
5-6	Trace - 5 mi			
6-7	Traces - 5 mi			
	1S 03 37 04.5 -107 -5 +		12 03 37 14.7 43.5 ms 858	
		3 miles SH of Hoover Dam		
	15 11 12.5 15 1 12.5 1 Local - 4.2 mt NHE + 440 -	1.5 mi Sw of Hoover Das	15 11 22.2 42.5 mi 30.9	
7 - 8	7 % zaoos - 5 m			
	15 02 19 26.1 15 1 Local - 5 11		15 02 19 36 15	

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	200 PM	10 30 45.8 47.2 1 Local - 4.8 mi ss		
	10 Mg	9 53.5 9 55.9		
	15 15 15 15	15 56 17.0 18.3 18.3 mi MM +60 +70 -		
6 - 9	3	Trucos - 5 mg		
	703	Traces - 5 mg		
	12 15	97000 - 3 mi		
	8	12 55 02.4		
				1000L 20

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व्य क	Phase	h T	S T E N Z Phase h m s Time Period Trace Amplitude Trace Amplitude N Z
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20	10 00 to	18 42 12.5 Trace 14.6	
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## LARM MEAD SEISMOLOGICAL STATIONS INSTRUMENTAL REPORT LOCAL EARTHQUAKES April, May, June, 1949

The stations at Boulder City, Overton and Pierce Ferry operated on routine schedule throughout April, May and June 1949.

In the following report symbol I represents shocks with small trace amplitudes. II represents a fairly well recorded shock. III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

This report covers only such earthquakes that are of local interest; namely the listing and location when possible of all local shocks. Data on distant earthquakes and on regional shocks will be included in the Bulletins of the U.S. Coast and Geodetic Survey, which are issued quarterly.

Spicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
3456789	4-10-49 4-12-49 5-4-49 5-24-49 5-24-49 5-24-49	23:45:46.6 23:48:39.0 01:19:11.6 16:19:46.5 11:05:44.4 06:45:49.5 06:46:11.3	6 miles NW of Hoover Dam 7 miles W of Hoover Dam 55 miles MB of Hoover Dam 4 miles SSW of Hoover Dam 4 miles S of Hoover Dam 2 miles S of Hoover Dam Same as No. 8

The following shocks were reported felt in the Lake Mead region: Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

Ho.	Date	0. C. T.	Intensity and Description
3	4-10-49	23:45:46 05:15:58	II at Boulder City. Felt by few. V at Boulder City. Felt by many. Rattled windows. Shifted small
	5-4-49	16:19:47	Vat Boulder City and Hoover Dam. Felt by many. Rattled windows:
	5-11-49	05:30:19	shifted small objects. IV at Boulder City. Felt by
7	5-22-49	11:05:45	IV at Boulder City. Felt by
	5-24-49	10:45:49	neveral. Awakened few. IV at Boulder City. Felt by
	5-24-49	10:46:12	IV at Boulder City. Felt by many. Rattled windows.

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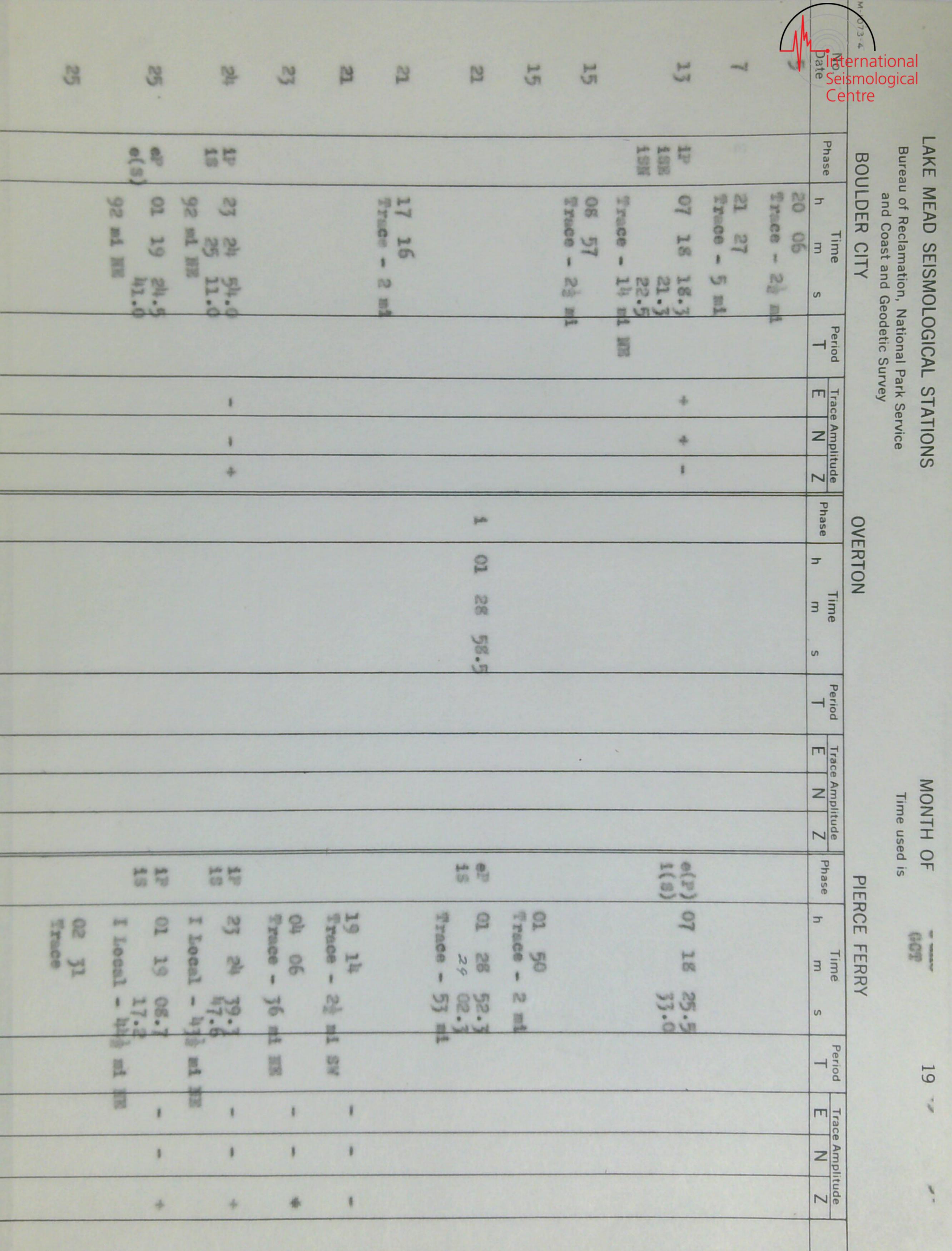
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## LAKE MEAD SHISHOLOGICAL STATIONS INSTRUMENTAL REPORT LOCAL HARTHQUAKES July, August, September, 1949

The stations at Boulder City, Overton and Pierce Ferry operated on reutine schedule throughout July, August and September, 1949.

In the following report symbol I represents shocks with small trace amplitudes. II represents a fairly well recorded shock. III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

This report covers only such earthquakes that are of local interest; namely the listing and location when possible of all local shocks. Data on distant earthquakes and on regional shocks will be included in the Bulletins of the U.S. Coast and Geodetic Survey, which are issued quarterly.

Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
10	7-22-49	09:38:39.5	3 miles SW of Hoover Dam
11	7-24-49	04:51:59.0	35 miles SW of Hoover Dam
12	8-2-49	11:46:41.0	52 miles SW of Hoover Dam
13	8-2-49	13:29:25.5	Same as No. 12
14	8-3-49	07:00:14.1	7.2 miles SSW of Hoover Dam
	8-5-49	22:55:12.7	8 miles NW of Hoover Dam
15 16	8-6-49	22:03:09.0	50 miles NE of Hoover Dam
17	8-7-49	05:24:16.8	Same as No. 16
18	8-7-49	22:51:08.0	58 miles MNE of Hoover Dam
19	8-8-49	11:12:12.3	4 miles SW of Hoover Dam
20	8-11-49	09:22:25.6	5 miles SW of Hoover Dam
21	8-16-49	21:41:24.6	5.8 miles SSW of Hoover Dam
22	8-22-49	06:36:18.5	6.9 miles SW of Heaver Dam
	8-22-49	05:44:58.7	6.3 miles SW of Hoover Dam
23	9-15-49	00:34:21.0	7 miles W of Hoover

The following shocks were reported felt in the Lake Mead region: Roman numerals are intensity grades as estimated by the Modified Mercalli Scale of 1931. (Abridged)

No.	Date	G. C. T.	Intensity and Description
	7-14-49	03:31:53	III at Boulder City and Hoover Dam. Felt by several.
	7-20-49 7-20-49 7-20-49	05:02:41 08:09:14 20:37:58	II Felt by few at Boulder City.  II at Boulder City. Felt by few.  III at Boulder City. Felt by  several.



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No.	Date	G. C. T.	Intensity and Description
	7-20-49	20:44:56	III at Boulder City. Felt by
	7-20-49	20:55:52	III at Boulder City. Felt by
	7-21-49	07:09:08	Relt by for at Roulden Otto
	7-21-49	19:42:17	Felt by few at Boulder City.
	,	731-5171	II at Boulder City and Hoover
10	7-22-49	09:34:40	Dam. Felt by few.  IV at Boulder City and Heover  Dam. Felt by many; awakened  few.
	7-23-49	04:29:08	III at Boulder City. Felt by
11	7-24-49	04:51:59	II at Boulder City. Felt by few.
	7-29-49	08:14:06	
12	8-2-49	11:46:41	II at Boulder City. Felt by few.
		TT. Antal	III at Boulder City and Hoover
19	8_8_hg	11:12:13	Dam. Felt by several.
		77.72.7)	IV at Boulder City. Felt by
20	8-11-49	09:22:26	few; frightened few.
-	0-11-43	07:22:20	III at Boulder City and Hoover
	8-17-49	On EE. Eli	Dam. Felt by several.
21	8-17-49	02:55:54	II at Boulder City. Felt by few.
	0-11-47	21:41:24	IV at Boulder City. Felt by
22	8-22-49	06:10:50	many.
23	8-22-49	05:44:59	II at Boulder City. Felt by few.
		07.77.77	Dam. Felt by many. Rattled windows.

nternational seismological centre	LAKE N Bureau	MEAD SEISMOLOGICAL STATIC au of Reclamation, National Park Service and Coast and Geodetic Survey  ULDER CITY	TONS	OVERTON	MONTH C Time used	OF July & August ed is	19 19
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28		08 14 Trace - 3 mi				OS 14	
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	PA PA	11 53 H4.4 +18-12	,			15 11 53 55.2 Trace 54 04.0	
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ate	Phase	h Time	S	Period	Trace	Amplit	tude	Phase	7	Time	S	Period	Trace	Amplit	ude Z	Phase	Ь	Time	S	Period	Trac	e Ampi	itude Z	
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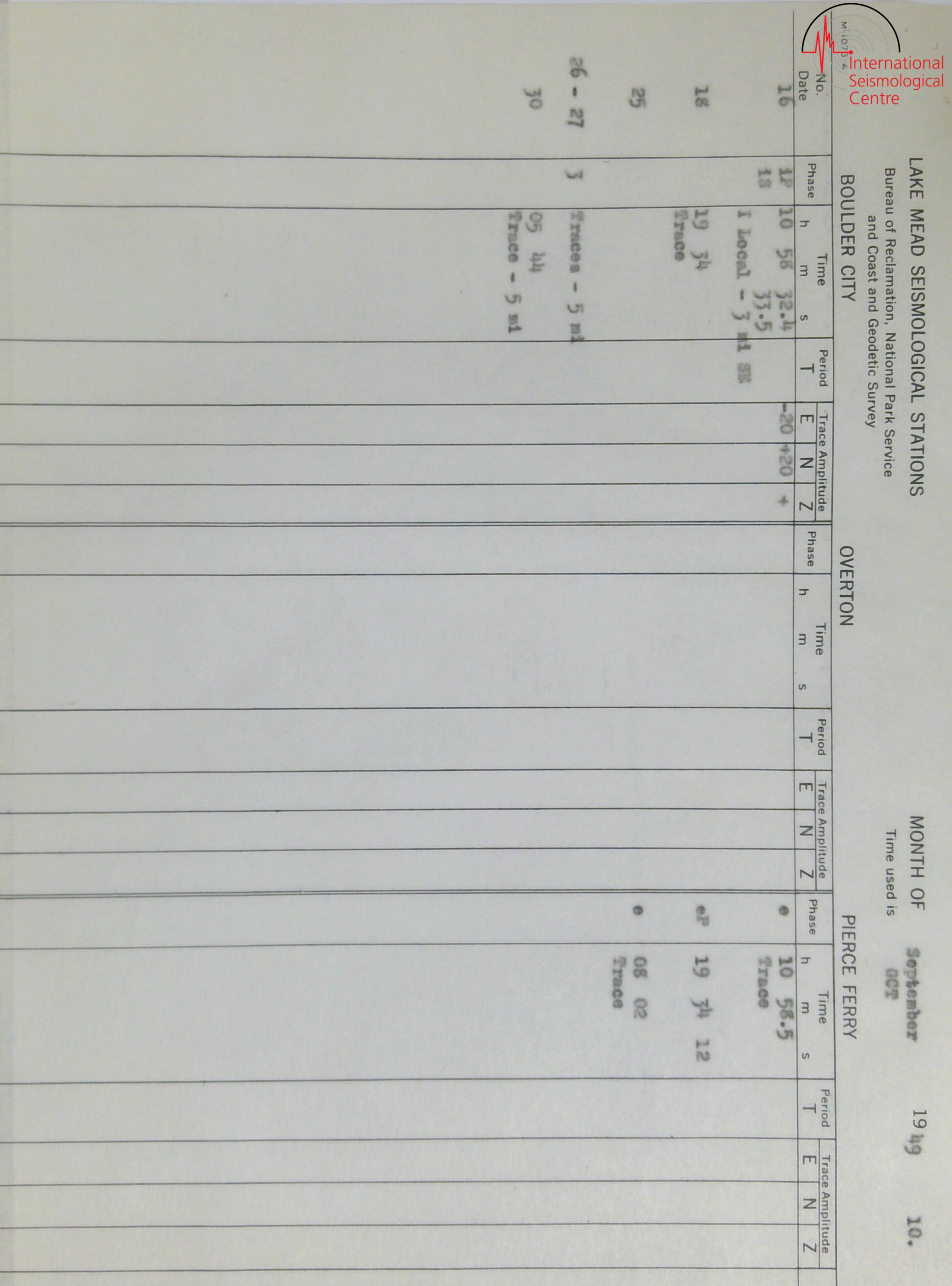
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nternational seismological Centre	BOUI	OF Reclamation, and Coast and G	10LOGICAL ST n, National Park Geodetic Survey	STA serk Se	TION	S	0	ERTO	2				MO Ti	ne used	OF August d is our		FERR	- Total	ber 19	3		9.
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## LAKE MEAD SEISHOLOGICAL STATION INSTRUMENTAL REPORT LOCAL BARTHQUAKES October, November, December, 1949

The stations at Boulder City, Overton and Pierce Ferry operated on routine schedule throughout October, November and December, 1949.

In the following report symbol I represents shocks with small trace amplitudes, II represents a fairly well recorded shock, III represents large trace amplitudes. Barely recorded shocks are marked "Trace". Local shocks are less than 70 miles from the station.

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Epicenters were located in the Lake Mead region as follows:

No.	Date	G. C. T.	Location of Epicenters
25 26 27 28 29	10-8-49 10-8-49 10-27-49 11-16-49	05:34:23.6 06:47:05.2 07:28:35.5 11:58:51.1 18:25:10.0	5% miles N of Hoover Dam Same as No. 25 7% miles NHW of Moover Dam 6 miles W of Hoover Dam

The following shocks were reported felt in the Lake Mead region: Roman numerals are intensity grades as estimated by the Medified Mercalli Scale of 1931. (Abridged)

No.	Date	G. C. T.	Intensity and Description
25	10-8-49 10-8-49	05:34:31 06:47:13	IV Felt at Boulder City by several IV at Boulder City. Felt by several; rattled windows.
27	10-8-49	07:28:46	IV at Boulder City. Felt by several; rattled windows.
	12-12-49	01:13:06	I at Boulder City. Felt by one.

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ntern	BOUL	DER CITY				IVO	ERTO	Z					PIERCE	TI	ERRY						
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