

LITTLE ROCK



LITTLE ROCK COLLEGE SEISMOLOGICAL OBSERVATORY, PULASKI HEIGHTS, LITTLE ROCK, ARK., U. S. A.

(In cooperation with St. Louis University, St. Louis, Mo.—Records kept in St. Louis)

Two Wood-Anderson short-period seismographs, Howard clock, time checked by radio signals.

Bulletin for November 1938

13.

No.	Date	Inst.	Phase	G. M. C. T.	Remarks
67	Nov 5	W-A	ePN	8 ^h 56 ^m 34 ^s	Δ J. S. A. = 93.9 Epicenter: 3698 N., 13996 E. h = 8 ^h 43 ^m 18 ^s Depth normal.
		W-A	iSKSNE	9 07 36	
		W-A	iSKKS _{NE}	9 08 14	
		W-A	eSNE	9 08 24	
		W-A	ePSNE	9 09 24	
		W-A	eSR ₁	9 13 39	
		W-A	L	9 24 00	
		W-A	M	9 31 00	
			F	11 ±	
68	Nov 6	W-A	ePN	9 ^h 07 ^m 00 ^s	Δ J. S. A. = 91.3 Epicenter: 37.0 N., 143.7 E. H = 8 ^h 53 ^m 58 ^s Depth normal. Very strong quake.
		W-A	iPN	9 07 04	
		W-A	iPR ₁ NE	9 10 37	
		W-A	ePR ₂	9 12 39	
		W-A	eS _{NE}	9 17 55	
		W-A	iS _{NE}	9 18 00	
		W-A	iSKKSN	9 18 00	
		W-A	iPSN	9 19 00	
		W-A	iPPS	9 14 45	
		W-A	iScS	9 21 53	
		W-A	SR ₁ NE	9 24 10	
		W-A	SR ₂ NE	9 27 40	
		W-A	i	9 36 40	
		W-A	L	9 37 40	
		W-A	M	9 44 29	
			F	11 15 ±	
69	Nov 6	W-A	ePN	21 ^h 52 ^m 01 ^s	Δ S-P = 90.1 H = 21 ^h 39 ^m 03 ^s Aftershock of the previous quake.
		W-A	ePR ₁ N	21 55 29	
		W-A	ePR ₂ N	21 57 01	
		W-A	iS _{NE}	22 02 55	
		W-A	ePSN	22 03 54	
		W-A	ePPSN	22 04 19	
		W-A	iPPPSN	22 04 56	
		W-A	SR ₁ NE	22 09 00	
		W-A	L	22 22 36	
		W-A	M	22 44	
		W-A	F	23 30	

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
70	Nov 10	W-A	ePN	20 ^h 27 ^m 34 ^s	$\Delta S-P = 49^{\circ}1$ Epicenter by J.S.A.: 55 ^o 6 N., 157 ^o 7 W. H = 20 ^h 18 ^m 48 ^s Depth normal.
		W-A	iPN	20 27 36.5	
		W-A	i	20 27 42	
		W-A	iPR ₁ NE	20 29 27	
		W-A	iPR ₂ NE	20 30 07	
		W-A	iScPN	20 32 04	
		W-A	iSNE	20 34 40	
		W-A	iSNE	20 34 43	
		W-A	iScSE	20 37 27	
		W-A	iSR ₁	20 37 42	
		W-A	L	20 42	
				F	
71	Nov 11	W-A	iPNE	1 ^h 06 ^m 35 ^s	$\Delta S-P = 47^{\circ}3$ Epicenter by J.S.A. = 54 ^o .9 N., 156 ^o .0 W. H = 1 ^h 57 ^m 57 ^s Aftershock of the previous quake.
		W-A	ePR ₁ N	1 08 14	
		W-A	iSNE	1 13 34	
		W-A	iSPN	1 13 46	
		W-A	iScSN?	1 16 21	
		W-A	SR ₁ NE	1 16 36	
		W-A	L	1 19 30	
		W-A	M	1 23 20	
		F	2 10 ±		
72	Nov 13	W-A	ePE	13 ^h 26 ^m 02 ^s	$\Delta J.S.A. = 82^{\circ}3$ Epicenter: 46 ^o .0 N., 149 ^o .4 E. H = 13 ^h 13 ^m 50 ^s Depth 50 km.
		W-A	ipPE	13 26 12	
		W-A	iPR ₁ NE	13 29 17	
		W-A	iSNE	13 36 15	
		W-A	iSSNE	13 36 40	
		W-A	iSPNE	13 37 10	
				F	
73	Nov 17	W-A	ePNE	4 ^h 03 ^m 17 ^s	$\Delta J.S.A. = 47^{\circ}4$ Epicenter: 52 ^o .4 N., 155 ^o .0 W. H = 3 ^h 54 ^m 49 ^s Depth 50 km.
		W-A	iPE	4 03 23	
		W-A	iPePN or	4 05 03	
		W-A	PR ₁ N	4 05 43	
		W-A	iSNE	4 10 17	
		W-A	iSSNE	4 11 27	
		W-A	iSPNE	4 11 07	
		W-A	iPSN	4 11 24	
		W-A	i	4 13 24	
		W-A	iScSN	4 13 08	
		W-A	SR ₁	4 15 26	
		W-A	X?	4 15 51	
		W-A	iSR ₂ ?	4 16 12	
		W-A	L	4 17 50	
		W-A	iScPPcS	4 20 27	
		W-A	M	4 21 46	
				F	

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
74	Nov 22	W-A	eP _N	1 ^h 27 ^m 12 ^s	Δ J.S.A. = 93°2 Δ _{S-P} = 93°5 Epicenter by J.S.A.: 36°3 N. 141°6 E. H = 1 ^h 14 ^m 06 ^s Depth about 60 km.
		W-A	epP _N	1 27 22	
		W-A	eS _E	1 33 14	
		W-A	iS _N	1 38 22	
		--	F	3 00 ±	
75	Nov 30	W-A	eP _{NE}	2 ^h 43 ^m 01 ^s	Δ J.S.A. = 92°7 Epicenter: 37°5 N., 141°3 E. H = 2 ^h 28 ^m 52 ^s Depth normal.
		W-A	eP _N	2 43 10	
		W-A	iSKKS _{NE}	2 54 02	
		W-A	iS _E	2 54 14	
		W-A	iP _{SN}	2 54 55	
		W-A	ePPPS _N	2 55 55	
		W-A	L	3 13 24	
		W-A	M	3 20	
	F	4 15			

Minor Seismic Activity: Nov. 9, 8h59m to 9h40m; Nov. 10, 15h29m to 15h31m; Nov. 10, 15h35m to 15h40m; Nov. 11, 9h01m to 9h45m; Nov. 12, 9h01m to 9h16m; Nov. 13, 23h06m to 24h10m.

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Director, Dept. of Geophysics
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Director of the Station

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No.	Date	Inst.	Phase	G. M. C. T.	Remarks
76	Dec 9	W-A	ePN	4 ^h 03 ^m 56 ^s	
		W-A	eN	4 04 57	
		W-A	eN	4 08 50	
		W-A	eN	4 11 08	
		W-A	eN	4 20 06	
		W-A	eK	4 21 28	
		W-A	L? F	4 22 21 4 46 ±	
77	Dec 12	W-A	eN	3 ^h 22 ^m 53 ^s	
		W-A	eN	3 23 45	
		W-A	iNE	3 23 55	
		W-A	iNE	3 24 01	
		W-A	iNE	3 24 33	
		W-A	iNE	3 25 12	
		W-A	iNE F	3 26 28 3 32 ±	
78	Dec 13	W-A	eNE	9 ^h 27 ^m 20 ^s	
		W-A	eNE	9 28 22	
		W-A	eNE	9 29 43	
		W-A	iNE	9 30 38	
		W-A	iNE	9 31 47	
		W-A	iNE	9 31 55	
		W-A	iNE	9 32 04	
		W-A	F	10 40 ±	

Minor Seismic Activity: Dec. 5, 17h57m to 18h1m; Dec. 7, 14h43m to 14h47m; Dec. 15, 18h18m to 18h55m; Dec. 16, 19h29m to 19h55m; Dec. 17, 0h15m to 0h40m; Dec. 19, 18h35m to 18h43m.

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