

23/BI - 5 SEPT. 1945

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U. S. A.

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

Latitude: 37°19' N. Longitude: 89°32' W. Altitude: 134 m. Foundation: limestone.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.

1.

January - February, 1942

No.	Date	Inst.	C/D	Phase	G.M.C.T.	Remarks
1	Jan. 8	W-A W-A W-A		eP _N e _W ePR _{2N}	15 ^h 20 ^m 33 ^s 15 21 12 15 22 27	Epicenter near 3.2 S., 79.2 W. H = 15 ^h 12 ^m 44 ^s ΔP-H = 41.7 No EW Component
2	Jan. 12	W-A		i _N i _N i _E i _F	21 53 02.5 21 53 03 21 53 05 21 53 28	Local Disturbance
3	Jan. 17	W-A		i _N i _E i _F	01 45 33 01 45 36 01 45 52	Local Disturbance
4	Jan. 17	W-A		eP _N	23 24 10	Epicenter near 17.7 N., 99.5 W., H = 23 ^h 19 ^m 16 ^s , ΔP-H = 21.9 Very weak record
5	Jan. 20	W-A W-A W-A W-A		iP _{NE} e(S) _N e _{NE} e _{NE} F	06 30 54 06 35 12 06 35 16 06 38 51 06 52±	Epicenter 17.7 N., 105.5 W. H = 06 ^h 25 ^m 38 ^s ΔP-H = 24.01 ΔS-P = 23.8 Δ _{meas} = 24.3
6	Jan. 22	W-A W-A W-A		eP _N iP _N epP _N F	17 46 54 17 46 55 17 47 04 17 49±	No other phases.
7	Jan. 27	W-A W-A		e(PR ₁) _E eL F	13 50 05 14 30 30 15 11	Region of 0.0 N., 131.0 E. H = 13 ^h 29 ^m 10± ^s Δ _{meas} = 127.8
8	Jan. 31	W-A		eM _{NE} e _{NE} F	07 03 50 07 03 53 07 11±	Epicenter: 50.6 N., 123.2 W. H = 06 ^h 49 ^m 13 ^s Δ _{meas} = 28.6
9	Feb. 5	W-A		i _N i _E i _F	22 53 05 22 53 09 22 53 23	Local Disturbance

Cape Girardeau Station Bulletin (Con't.)
 January - February, 1942, Con't.

2.

No.	Date	Inst. C/D	Phase	G.M.C.T.	Remarks
10	Feb. 11	W-A	$e_{N}^{(M)}$	11 ^h 32 ^m 14 ^s	25° 0' N, 110° 5' W. H = 11 ^h 21 ^m 03 ^s Δ _{meas} = 21.6
		W-A		11 32 41	
		W-A	$e_{N}^{(F)}$	11 33 16	
				11 35 30	
11	Feb. 17	W-A	$i_{N}^{(F)}$	23 19 05 23 19 28	Local Disturbance
12	Feb. 21	W-A	$e_{N}^{(F)}$	07 20 07	Weak record
		W-A		07 20 20	
				07 25 30	
13	Feb. 27	W-A	$e_{N}^{(P)}$	08 27 22	16° 5' N, 87° 0' W. H = 08 ^h 22 ^m 47 ^s Δ _{P-H} = 20.1
		W-A	$i_{N}^{(F)}$	08 27 29	
		W-A	$e_{E}^{(F)}$	08 30 56	
		W-A	$e_{E}^{(S)}$	08 31 09	
				08 34 [±]	

Minor Seismic Activity

Jan. 18 00^h23^m to 00^h25^m

Microseisms Strong

Jan. 9, 10, 11 (moderating), 12, 29 - 31
 February 1, 2, 7, 8, 15-17, 23 - 28.

John Harty
 Director of the Station

J. B. Macelwane, S. J.
 St. Louis University

Records read by:
 L. S. Buckie, Jr.
 Ross R. Heinrich

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U. S. A.

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

Latitude: 37°19' N. Longitude: 89°32' W. Altitude: 134 m. Foundation: limestone.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.

March - June, 1942

3.

No.	Date	Inst.	C/D	Phase	G.M.C.T.	Remarks
14	Mar. 1	W-A		iP _N	09 57 16	14°0' N., 91°0' W. H = 09h52m05s ΔS-P = 22.8
		W-A		i _N	09 57 29	
		W-A		eS _E	10 01 25	
		W-A		eS _N	10 01 34	
		W-A		i(SR ₁) _E	10 01 54	
				F	10 17+	
15	Mar. 1	W-A		eP _{1N}	14 44 18	41°14' N., 89°44' W. H = 14h43m03.5s P-H = 425 Km.
		W-A		eS _{1N}	14 45 07	
				F	14 45 41	
16	Mar. 5	W-A		eP _N	20 00 33	48°0' N., 141°0' E. H = 19h48m31s h = 250 Km. ΔP-H = 84.0
		W-A		iP _N	20 00 34	
		W-A		i _N	20 00 38	
		W-A		eP _{NE}	20 01 29	
		W-A		eS _E	20 10 31	
		W-A		i _N	20 10 46	
		W-A		e _F	20 12 35	
				F	lost in change of records	
17	Mar. 9	W-A		eP _N	10 25 54	
				F	10 39±	
18	Mar. 19	W-A		eP _E	12 05 48	53°2' N., 131°0' W. H = 11h59m20s h = 80± Km ΔP-H = 32.4
		W-A		e _E	12 06 50	
		W-A		eS _E	12 10 55	
		W-A		e _E	12 11 39	
		W-A		i _E	12 16 52	
				F	13 00±	
19	Mar. 20	W-A		e(P) _{NE}	01 22 28	51°1' N., 167°06' W. H = 01h13m20s h = 200 Km. ΔP-H = 54.9
		W-A		e(S) _E	01 30 07	
				F	02 10±	
20	Mar. 25	W-A		i _N	18 15 04	Local Disturbance
		W-A		i _N	18 15 05	
		W-A		i _N	18 15 08	
				F	18 15 34	

Minor Seismic Activity

Surface Waves March 21, during 15 hour; March 21, from 22 hour to 24 hour; March 28, during 6 hour.

Cape Girardeau Station Bulletin, March -June, 1942, (Con't.)

No.	Date	Inst. C/D	Phase	G.M.C.T.	Remarks
21	Apr. 4	W-A	i _N	21 43 15	Local disturbance
		W-A	i _N	21 43 16	
		W-A	i _N	21 43 18	
			F	21 43 37	
22	Apr. 6	Earthquake during 4 hour; time uncertain.			
23	Apr. 8	Earthquake during 15 hour; time uncertain.			
24	Apr. 12	W-A	i _N	21 49 27	Local disturbance
		W-A	i _N	21 49 28	
		W-A	i _N	21 49 30	
			F	21 49 46	
25	Apr. 18	W-A	e _{PN}	23 26 15	$\Delta_{S-P} = 2296$
		W-A	e _{SE}	23 30 22	
26	Apr. 20	W-A	e(pP) _N	08 53 23	57 N., 122 E. H = 08' 40 37 h = 100 ± Km. $\Delta_{SS-H} = 81.0$
		W-A	e(PR ₂) _N	08 58 21	
		W-A	i(ss) _N	09 03 25	
27	Apr. 24	W-A	i _N	20 42 47	Local disturbance.
		W-A	i _N	20 42 48	
		W-A	i _N	20 42 51	
			F	20 43 10	
28	Apr. 28	W-A	e _N	10 41 24	
		W-A	e _N	10 41 58	
		W-A	e _N	10 43 11	
29	Apr. 28	W-A	i(S) _{NE}	12 25 55	Local shock
30	Apr. 29	W-A	i _N	20 55 24	Local disturbance
		W-A	i _N	20 55 27	
31	May 2	W-A	e _{PN}	21 51 01	Weak
		W-A	e _{SE}	21 55 26	
			F	21 57±	
32	May 4	W-A	i _{NE}	21 02 22	Local disturbance
		W-A	i _N	21 02 23	
			F	21 02 33	
33	May 4	W-A	e _{PN}	22 57 03	
		W-A	e _E	22 58 29	
		W-A	e _E	23 07 22	
			F	23 17±	

No.	Date	Inst.	C/D	Phase	G.M.C.T.	Remarks
34	May 14	W-A		ePN	02 ^h 20 ^m 40 ^s	0°3 S., 80°2 W. Damage and loss of life in Ecuador.
		W-A		iNE	02 20 46	
		W-A		iN	02 21 03	
		W-A		iN	02 21 37	
		W-A		iN	02 22 20	
		W-A		iSE	02 26 33	
		W-A		eE F	02 29 23 06 00±	
35	May 14	W-A		ePN	10 01 39	Aftershock of #34
36	May 14	W-A		ePN	08 50 00	Aftershock of #34
37	May 14	W-A		ePN	15 54 01	Aftershock of #34
38	May 15	W-A		ePN	10 57 54	Aftershock of #34
		W-A		eSN	11 03 41	
39	May 15	W-A		ePN	11 58 43	Aftershock of #34
		W-A		eSN	12 04 25	
40	May 17	W-A		ePW	15 21 34	Aftershock of #34
		W-A		iPN	15 21 41	
		W-A		eSE	15 27 19	
		W-A		e	15 31 44	
				F	16 00±	
41	May 20	W-A		iN	11 03 48	
42	May 20	W-A		eN	11 23 02	
43	May 22	W-A		ePN	10 37 38	Aftershock of #34
		W-A		eSE	10 43 13	
		W-A		eE	10 43 28	
44	May 25	W-A		iN	21 06 35	Local disturbance
			F	21 06 58		
45	May 27	W-A		iN	17 26 41	Local Disturbance
		W-A		iN	17 26 42	
		W-A		iN	17 26 45	
				F	17 27 01	
46	May 28	W-A		ePN	01 20 56	0°8 S., 124°5 E. H = 01 04 36 h = 180± Km.
		W-A		ipp ^N	01 24 24	
		W-A		eN	01 25 02	
		W-A		eN	01 26 22	
				F	01 45±	

No.	Date	Inst. C/D	Phase	G.M.C.T.	Remarks
47	May 29	W-A W	e _N e _N F	07 24 46	
				07 31 05	
				07 45±	

Minor Seismic Activity

Surface Waves: May 27, during 7 hour; May 30 during 3 hour.

48	June 6	W-A	i _E F	20 12 51 20 13 05	Local disturbance
49	June 12	W-A	e _E F	02 21 23 02 31±	
50	June 12	W-A	e _N	04 46 36	
51	June 12	W-A	e _N	10 06 36	
52	June 12	W-A	e _{PN} e _{SE} F	10 29 15	0°0 H = 10 ^h 21 ^m 50 ^s W. Δ _{S-P} = 39°0
				10 35 23	
				10 50±	
53	June 14	W-A W-A	e _{SKSE} e _E F	03 34 35	16°5 N, 150°E H = 03 ^h 10 ^m 06 ^s
				03 35 00	
				03 37±	
54	June 15	W-A W-A	e _P e _{SE} F	16 46 46	19°0 N, 106°5 W. H = 16 ^h 41 ^m 33 ^s Δ _{P-H} = 23°8
				16 51 14	
				17 00±	
55	June 15	W-A W-A	i _N i _N F	22 55 50	Local disturbance
				22 55 51	
				22 56 09	
56	June 16	W-A	e _P e _N e _{SE} e _F	21 12 29	0°3 S, 80°2 W. H = 21 ^h 05 ^m 50 ^s
		W-A			
		W-A			
		W-A			
		W-A			
				lost in changing records	

Cape Girardeau Station Bulletin, March-June, 1942, (Con't.)

No.	Date	Inst. C/D	Phase	G.V.C.T.	Remarks
57	June 18	W-A W-A	e(PR ₁) _E eSP _E F	09 ^h 50 ^m 21 ^s 10 00 01 11 00±	10°0 N., 134°2 E. H = 09 ^h 30 ^m 58 ^s
58	June 20	W-A W-A W-A W-A W-A	iP _N i _N i _N iS _E isS _E F	10 06 49 10 06 55 10 07 17 10 10 40 10 11 12 10 27±	18°2 N., 101°0 W. H = 10 ^h 02 ^m 05 ^s h = 80 km.
59	June 21	W-A W-A	e _E e _E	05 01 29 05 01 40	
60	June 23	W-A W-A W-A W-A W-A W-A	eP _N e _N epP _N e _N eS _E e _E	09 01 17 09 01 32 09 01 40 09 01 51 09 05 30 09 06 05	(12°N., 89°E)? H = 08 ^h 55 ^m 57 ^s
61	June 24	W-A W-A	i _N i _N F	00 36 50 00 36 51 00 37 11±	Local Disturbance
62	June 28	W-A W-A W-A	eP _N epP _N e _N	00 12 08 00 12 23 00 16 46	Aftershock of #60
63	June 28	W-A	e _N	01 19 56	
64	June 29	W-A W-A W-A W-A	iP _N i _N e _N e _N F	06 37 58 06 38 17 06 47 10 06 47 38 06 49±	31°9 S., 69°8 W. H = 06 26 44 h = 100± Km.
65	June 30	W-A W-A W-A	i _N i _N i _N F	00 09 25 00 09 26 00 09 28 00 09 49	Local disturbance

John Harty
Director of the Station

J.B. Macelwane, S. J.
St. Louis University

Records read by
Ross R. Heinrich

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
(In cooperation with Saint Louis University, St. Louis, Mo.--Records kept in St. Louis)

Latitude: 37°19' N., Longitude 89°32' W. Altitude: 134 m.

Foundation: limestone

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records

JULY, 1942

8.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
66	July 4	W.A.	e(P)NE	02 ^h 00 ^m 23 ^s	Aftershock of #34, May 14
67	4	W.A.	e(P)NE	06 15 49.5	Aftershock of #34
68	5	W.A.	e(P)E	10 37 04	Aftershock of #34
69	5	W.A.	eE	14 24 07.5	Weak
70	7	W.A.	eSKSE	03 16 52.5	Epicenter near Fiji Islands
71	7	W.A.	e(P)NE	12 44 59.0	Aftershock of #34
72	8	W.A.	ePNE	07 06 12.5	J.S.A. 24°5 S., 69°5 W. h = 175 Km
73	8	W.A.	iNE	17 28 21	Local Disturbance
74	8	W.A.	ePNE	22 38 12.5	Aftershock of #34
75	12	W.A. W.A.	ePNE eSME	05 12 38.5 05 18 27.5	Aftershock of #34
76	21	W.A. W.A. W.A. W.A.	eN iN eE eN	07 58 12.5 07 58 13.5 08 05 42.5 08 53 08	Weak.
77	25	W.A. W.A.	ePE eSE	06 42 57 00 53 03	Saint Louis 11° N., 126° E. H = 06 ^h 22 ^m
78	29	W.A.	eE	22 01 49.5	
79	29	W.A. W.A.	e(SKPE) eNE	23 10 42 23 11 52	Moluccas
80	31	W.A.	iNE	17 43 55	Local Disturbance

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
 (In cooperation with Saint Louis University, St. Louis, Mo.--Records kept in St. Louis)

Latitude: 37°19' N., Longitude 89°32' W Altitude: 134 m.
 Foundation: limestone

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records

AUGUST, 1942

9.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
81	August 1	W.A.	ePR ₁ E	12 ^h 53 ^m 51 ^s	Wellington gives: 41.4 S., 175.8 E. H = 12 ^h 33 ^m 56 ^s
82	1	W.A.	eE	14 54 56	Weak
83	1	W.A.	iNE	13 42 46	Local disturbance
84	6	W.A.	ePN iSN	23 42 06 23 46 20	U.S.C.G.S. 14°4 N., 90°9 W. H = 23 ^h 36 ^m 57 ^s
85	7	W.A. W.A.	e(P)N eSE	18 09 54 18 14 07	
86	8	W.A.	Quake during 07 hour; No time marks, (S-P) interval 4 ^m 11 ^s .		
87	8		Quake during 22 hour; No time marks, (S-P) interval 4 ^m 11 ^s .		
88	11	W.A. W.A.	ePNE eSNE	04 53 36 04 57 55	ΔS-P = 23.9
89	11	W.A. W.A. W.A.	ePN ePE eSE	07 16 52 07 16 53 07 21 08	ΔS-P = 23.6
90	14	W.A. W.A.	ePNE e(S)NE	20 55 43 20 59 56	J.S.A. 18° N., 105° W.
91	15	W.A. W.A.	eE eE	06 44 00 06 53 37	
92	16	W.A. W.A. W.A.	ePE eSE esSE	20 13 00 20 17 13 20 17 32	J.S.A. 12°5 N., 90°0 W. h = 80 Km.
93	20	W.A. W.A.	ePE eSE	16 48 18 16 52 29	
94	20	W.A. W.A.	ePNE eSNE	22 42 12 22 46 24	Saint Louis 14.8 N., 91.9 W. H = 22 ^h 37 ^m 09 ^s

CAPE GIRARDEAU STATION BULLETIN (Con't.)

10.

AUGUST, 1942 (Con't.)

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
95	August 22	W.A.	ePNE	19 57 41	
		W.A.	epPNE	19 57 54	
		W.A.	eSNE	20 01 32	
		W.A.	esSE	20 01 55	
96	23	W.A.	eNE	06 50 31	U.S.C.G.S. 51°5 N., 163° E. H = 06 ^h 35.4 ^m
		W.A.	eSR ₁ NE	06 59 41	
97	24	W.A.	ePNE	22 59 51	
		W.A.	epPNE	23 00 10	
		W.A.	iNE	23 00 19	
		W.A.	iSE	23 07 20	
		W.A.	esSE	23 08 05	
98	26	W.A.	eN	12 27 00	
99	29	W.A.	cPE	12 29 05	14.1 N., 90.9 W. H = 12 ^h 23 ^m 52 ^s $\Delta P-H = 23.7$
		W.A.	eSE	12 33 17	
		W.A.	iSE	12 33 19	
100	29	W.A.	c(P)E	21 45 47	Pacific Ocean off Central America
		W.A.	c(S)E	21 49 28	
		W.A.	eSE	21 49 35	
		W.A.	isSE	21 49 58	
101	31	W.A.	iP ₁ E	10 27 16.5	In New Madrid, Region: 36.9 N., 89.2 W. H = 10 ^h 27 ^m 08 ^s Reported felt at Cairo, Illinois See U.S.C.G.S. Serial 662, page 6
		W.A.	iS ₁ E	10 27 22.7	

John Harty
Director of the Station

J.B. Macelwane, S. J.
St. Louis University

Records read by
Clarence Ireland

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
 (In cooperation with Saint Louis University, St. Louis, Mo.--Records kept in St. Louis)

Latitude: 37° 19' N., Longitude 89° 32' W.

Altitude: 134 m.

Foundation: limestone

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records

SEPTEMBER, 1942

11.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
102	Sept. 2	W.A. W.A.	eE eE	19 ^h 47 ^m 56 ^s 19 48 15	Weak.
103	4	W.A. W.A.	ePNE eSE	02 58 59 03 03 01	J.S.A. 12°3 N., 88°0 W. H = 02 ^h 53 ^m 49 ^s h about 100 Km.
104	4.	W.A. W.A. W.A.	e(P)E eSE eE	17 55 49 18 03 23 18 05 33	J.S.A. 52°0 N., 165°5 W. H = 17 ^h 46 ^m 30 ^s
105	6	W.A.	iNE	14 54 21	
106	6	W.A. W.A.	ePE eSE	16 04 22 16 13 11	ΔS-P = 65°0
107	9	W.A. W.A. W.A.	e(P)E eSE iE	01 34 39 01 42 06 01 42 16	J.S.A. 52° N., 164° W. H = 01 ^h 25 ^m 27 ^s h = 100 Km.
108	16	W.A.	iNE	16 53 32	Local Disturbance
109	17	W.A.	iNE	11 51 58	
110	18	W.A. W.A.	eE eE	13 53 00 13 53 19	
111	26	W.A. W.A.	ePE iSE	04 05 39 04 09 49	J.S.A. 12°3 N., 88°0 W. H = 04 ^h 00 ^m 21 ^s h = 100 Km.
112	27	W.A. W.A. W.A.	ePE eN e(S)E	17 07 12 17 07 14 17 11 21	ΔS-P = 22°9
113	27	Several local disturbances during 19 and 20 hours			

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
(In cooperation with Saint Louis University, St. Louis, Mo.--Records kept in St. Louis)

Latitude: 37°19' N., Longitude 89°32' W. Altitude: 134 m.
Foundation: limestone.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.

OCTOBER, 1942

12.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
114	October 8	W.A. W.A.	e(P)E e(S)E	03 ^h 09 ^m 10 ^s 03 14 25	
115	October 9	W.A.	iN	22 47 19	Local disturbance.
116	October 10	W.A.	eE	17 39 55	
117	October 14	W.A.	eE	00 26 07	Arizona?
118	October 14	W.A.	eE	19 20 13	
119	October 15	W.A.	iN	20 57 47	Local Disturbance.
120	October 18	W.A. W.A. W.A.	ePE eE eE	05 29 56 05 36 12 05 36 17	Weak.
121	October 18	W.A.	e(S)E	11 47 34	
122	October 20	W.A. W.A.	ePKSE ePR ₁ E	23 40 58 23 42 53	
123	October 21	W.A. W.A.	ePE e(S)E	16 27 11 16 31 28	J.S.A. 33°N., 116°W. H = 16 ^h 22 ^m 14 ^s
124	October 22	W.A. W.A.	ePE e(S)E	01 55 34 01 59 46	Weak.
125	October 26	W.A. W.A.	ePE eSE	21 21 23 21 31 26	J.S.A. 47°7'N., 151°2'E. H = 21 ^h 09 ^m 21 ^s h about 50 km.
126	October 28	W.A. W.A.	ePE eSE	10 49 46 10 53 55	J.S.A. 15°4'N., 96°8'W. H = 10 ^h 44 ^m 45 ^s

CAPE GIRARDEAU STATION BULLETIN (Con't.)October, 1942 (Con't.)

13.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
127	October 30	W.A.	eE	22 21 36	
		W.A.	eE	22 22 01	
128	October 31	W.A.	(e)N	15 28 49	
		W.A.	(e)E	15 28 51	

John Harty
Director of the Station

James B. Macelwane, S. J.
St. Louis University.

Records read by
Clarence Wieland.

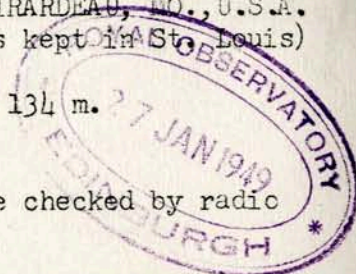
CAPE GIRARDEAU

 SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
 (In cooperation with Saint Louis University, St. Louis, Mo.-Records kept in St. Louis)

 Latitude: 37° 19' N., Longitude 89° 32' W.
 Foundation: limestone.

Altitude: 134 m.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.



NOVEMBER, 1942

14.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
129	Nov. 1	W.A.	eE	18 ^h 59 ^m 53 ^s	Time doubtful.
		W.A.	eE	19 01 36	
		W.A.	F	19 12 --	
130	Nov. 4	W.A.	eE	21 47 30	Local Disturbance.
131	Nov. 5	W.A.	ePN	11 52 29	
		W.A.	eSE	11 56 33	
		W.A.	eSN	11 56 41	
		W.A.	eE	11 57 09	
		W.A.	F	12 07 --	
132	Nov. 6	W.A.	iPN	13 39 14	Another shock?
		W.A.	eSE	13 45 43	
		W.A.	e(F)N	13 48 56	
		W.A.	F	13 55 --	
133	Nov. 7	W.A.	eN	07 54 56	
		W.A.	F	08 01 --	
134	Nov. 10	W.A.	eP'E	12 00 50	J.S.A. - 35° E., 45° S. H = 11 ^h 41 ^m 20 ^s
		W.A.	ePR ₁ N	12 03 28	
		W.A.	eE	12 04 13	
		W.A.	iSKPN	12 04 26	
		W.A.	F	15 10 --	
135	Nov. 11	W.A.	ePN	13 11 55	
		W.A.	eN	13 12 13	
		W.A.	e(S)E	13 17 00	
		W.A.	F	13 22 --	
136	Nov. 12	W.A.	ePN	05 00 13	J.S.A. - 16°8' N., 93°8' W. H = 04 ^h 55 ^m 31 ^s h = 100 [±] km.
		W.A.	iPN	05 00 17	
		W.A.	ipPN	05 00 33	
		W.A.	iN	05 03 19	
		W.A.	iSE	05 04 00	
		W.A.	iSE	05 04 04	
		W.A.	F	05 23 --	
137	Nov. 12	W.A.	ePN	15 33 38	Probably aftershock of #136
		W.A.	eSN	15 37 32	
		W.A.	F	15.8	

CAPE GIRARDEAU STATION BULLETIN (Con't.)

15.

November, 1942 (Con't.)

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
138	Nov. 12	W.A.	ePN	16 ^h 08 ^m 49 ^s	Probably aftershock of #136
139	Nov. 12	W.A.	e(P)N	22 37 30	Very weak.
140	Nov. 19	W.A. W.A. W.A. W.A. W.A. W.A.	ePN eN eSE eE eE F	08 59 21 08 59 30 09 05 10 09 05 22 09 05 42 Lost	J.S.A. - 0 ^o 3 S., 80 ^o 2 W. H = 08 ^h 51 ^m 14 ^s h = 500 [±] km.
141	Nov. 19	W.A. W.A. W.A.	ePN eSE F	09 16 16 09 22 07 09 40 --	Aftershock of # 140.
142	Nov. 20	W.A. W.A. W.A. W.A. W.A. W.A. W.A.	ePN eN eN iN e(S)N eN F	04 08 51 04 09 00 04 09 13 04 09 28 04 12 44 04 13 20 04 18 --	
143	Nov. 24	W.A.	iN	21 54 38	Local Disturbance.
144	Nov. 25	W.A. W.A. W.A. W.A.	ePN iPN eSN F	01 22 57 01 22 59 01 27 07 01 47 --	J.S.A. - 16 ^o 6 N., 97 ^o 4 W. H = 01 ^h 17 ^m 57 ^s Probably slightly deeper than normal.
145	Nov. 26	W.A. W.A. W.A. W.A. W.A. W.A.	ePN iPN iN iN e(S)N F	14 39 38 14 39 41 14 39 45 14 39 58 14 49 43 14 55 --	J.S.A. - 42 ^o N., 146 ^o 5 E. H = 14 ^h 27 ^m 11 ^s h = 140 [±] km.
146	Nov. 28	W.A. W.A. W.A.	ePN eSN F	10 48 32 10 56 44 11 50 --	J.S.A. - 7 ^o 7 N., 36 ^o 6 W. H = 10 ^h 38 ^m 50 ^s
147	Nov. 28	W.A.	iE	21 43 15	Local Disturbance.
148	Nov. 30	W.A. W.A. W.A.	ePE eSE F	00 58 06 00 06 20 01 10 --	

CAPE GIRARDEAU

SEISMIC STATION, SOUTHEAST MISSOURI STATE TEACHERS COLLEGE, CAPE GIRARDEAU, MO., U.S.A.
(In cooperation with Saint Louis University, St. Louis, Mo.-Records kept in St. Louis)

Latitude: 37°19' N., Longitude 89° 32' W. Altitude: 134 m.
Foundation: limestone.

Short period Wood-Anderson seismographs, N and E components. Time checked by radio signals on records.

DECEMBER, 1942

16.

No.	Date	Inst.	Phase	G.M.C.T.	Remarks
149	Dec. 3	W.A. W.A.	ePE F	09 ^h 50 ^m 15 ^s 09 51 --	
150	Dec. 5	W.A. W.A. W.A. W.A. W.A.	e(P')E e(PR ₁)N eE eE F	14 36 48 14 37 51 14 43 17 14 46 34 Lost	
151	Dec. 9	W.A. W.A. W.A. W.A.	ePE iE eSE F	22 28 22 22 28 31 22 35 49 23 12 --	J.S.A. - 53°0 N., 164°3 W. H = 22 ^h 19 ^m 10 ^s
152	Dec. 9	W.A.	iE	23 23 21	Local Disturbance.
153	Dec. 15	W.A.	e(P)N	09 16 22	
154	Dec. 20	W.A. W.A. W.A.	ePN eN F	14 16 00 14 26 46 15.5	
155	Dec. 20	W.A.	e(P)N	15 44 52	
156	Dec. 26	W.A. W.A. W.A. W.A.	iPN eSN eN F	12 38 05 12 43 04 12 43 29 13 09 --	J.S.A. - 9°5 N., 75°0 W. H = 12 ^h 31 ^m 47 ^s Destructive in Bolivar, Columbia

John Harty
Director of the Station

James B. Macelwane, S. J.
St. Louis University.

Records read by
Harry K. Hail