

BULLETIN OF THE SEISMOGRAPHIC STATION

OF

 SAINT XAVIER COLLEGE, CINCINNATI, OHIO, U.S.A.
 FOR THE YEAR 1928

 Latitude: $39^{\circ} 8.7$ Longitude: $84^{\circ} 29.8$ Altitude: 203 m.

Foundation: Gravel on Ordovician limestone and shale

Time: Greenwich Mean, midnight to midnight; expectable error, 1 sec.

INSTRUMENTS: Two Wood-Anderson long-period horizontal torsion type seismometers, and two Wood-Anderson short-period horizontal seismometers (other equipment to be operated later) Registration is photographic, damping to aperiodicity. Paper speed for long-periods, 15 mm.; short-periods, 60 mm.

 T_0 for long-periods 5.5 sec. approximately

 T_0 for short-periods 1.5 sec.

Static Magnification for long-periods not determined

Static Magnification for short-periods 500

No	Date	Char	Phase	G.M. Time			Period e.n.z.	Amplitude A _{EAN} A _Z	Remarks
				h.	m.	s.			
16	Jan. 1	Iir	ePEN	9	31	28			Delta S—P 27 ^o .4 Preliminaries stronger on N.S. Epicenter determined by St. Louis 99 ^o .8 W, 14 ^o .3 N
			iPEN	9	31	32			
			eSN	9	36	04			
			iSE	9	36	07			
			eLEN?	9	38	49			
			eMN	9	41.	8			
			F	10	05	approx.			
17	Jan. 5	Iu	ePEN	21	55	28			Delta S—P 53 ^o .8
			iPN	21	55	30			
			iN	21	55	36			
			eSN	22	03	00			
			iSEN	22	03	02			
			iEN	22	04	20			
			F	22	13	approx.			
18	Jan. 6	IIu	eE?	19	50	48			Reported from Lake Baringo, Africa
			eN?	19	51	39			
			eE	19	57	07			
			iE	19	57	33			
			eEN	19	57	59			
			iEN	19	58	18			
			iEN	20	01	03			
			eEN?	20	01	59			
			iE	20	02	17			
			eEN	20	02	30			
			eEN	20	03	07			

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 FOR THE YEAR 1988

No Date Char Phase G.M. Time Period Amplitude Remarks

No	Date	Char	Phase	G.M. Time	Period	Amplitude	Remarks
187 (Continued)				h. m. s.	e.n.z.	AREA AZ	
			eEN	20 06			
			eN	20 09			
			eE	20 11			
			eEN	20 15			
			eN	20 17			
			eLN	20 18			
			iMN	20 25			
			F	22 19 approx.			
19	Jan. 20	Iir	eN	4 23 50			Wind disturbance
			iEN	4 24 22			
			eLEN?	4 24 40			
			MN?	4 27			
			F	4 40 approx.			
20	Jan. 25	Ir	iPEN	21 12 20			
			iPR ₁ EN	21 12 38			
			iSEN	21 16 43			
			iSR ₁ EN	21 17 36			
			F	21 28 approx.			
21	Feb. 3	Iu	iPN	14 58 40			
			ePE	14 58 42			
			iPR ₁ N	14 01 26			
			iSEN	14 07 39			
			eLE?	14 20			
			MEN	14 29			
			F	14 46 approx.			
22	Feb. 10	Iir	iPEN	4 43 42			Delta S—P2405
			iPR ₁ EN	14 44 10			Epicenter by St.
			iPR ₂ EN	04 44 20			Louis Station
			eP _c PEN	04 47 12			Mexico, 19° 8N,
			iSEN	04 47 55			98° 5W
			iEN	04 48 36			
			eN	04 48 47			
			eLE	04 49 50			
			F	05 13 approx.			

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No	Date	Char	Phase	G.M. Time h. m. s.	Period e.m.z.	Amplitude A _E A _N A _Z	Remarks
23	Feb. 21	IIu	eP ₁ EN	19 58 27			Delta S—P 53°6 Tentative epicenter by St. Louis Station Arctic Ocean 68°4N, 173°5W.
			iPN	19 58 29			
			iPR ₁ EN	20 00 47			
			iPR ₂ N	20 01 39			
			ePcSN	20 03 48			
			iSEN	20 05 58			
			iPSEN?	20 06 12			
			iEN	20 08 20			
			eScSEN	20 08 43			
			iSR ₁ EN	20 10 14			
			iSR ₃ EN	20 12 33			
			iPcSScPEN	20 15 07			
			eLEN	20 15 15			
			MEN	20 19			
F	21 30 approx.						
24	Feb. 25	Ir	eE?	14 37 30			
			eEN	14 37 20			
			eLEN?	14 40			
			ME	14 40 50			
			F	15 02 approx.			
25	Feb. 26	IIu	iE	01 45 28			Beginning lost in changing records Arctic Ocean
			eLEN	01 46 23			
			MEN	01 48 20			
			F	02 15 approx			
26	Feb. 29	Local beginning 22 48 and ending 22 54. Phases indistinct. Reported from Montana.					