The Pennsylvania State College

Mineral Industries Experiment Station

SEISMOGRAPHIC REPORT II

1936 (complete)

~~1935~~

School of Mineral Industries
State College, Pa.

We thankfully acknowledge the receipt of the following publications and reports during January-July 1936:

Apia, Samoa	Jan.-March 1936
Berkeley	Apr. 1934-Sept.1935, Vol. IV 3-4, Vol. V 1 and 2
B udapest	B ulletin 1935
Cartuja	July-Dec. 1935
	Resumen del Boletin Sismico 1935
	Resumen del Boletin Meteorologico 1934.
De Bilt	Vol. 21, 1933
Hamburg	Ork.-Dez 1935, Jan.-Mai 1936
Helwan	Oct.-Dec. 1935, Jan.May 1936
Ithaca, N. Y.	Jan.-Dec. 1935
LaPaz	June-Nov.1935, Nos. 18-38
Manila	Nov.,Dec.1935; Jan.-March 1936
Melbourne	Oct.-Dec.1935
Ottawa	Dec.1935, Jan-May 1936
Oxford	Internat. Seismol. Summary Jan.-June 1931
Pasadena	Nov.Dec.1935; Jan-March 1936
Praha	Jan.-Dec.1935;Jan-March 1936
Reykjavik	Bulletin 1935
Riverview, Sydney	Nov., Dec.1935; Jan., Feb., Apr. 1936
Uccle	Aug.-Dec.1935
U. S. Coast and Geod. Survey	Oct.-Dec. 1934; Jan.-June 1936
Wellington, N.Z.	Seism. Rep. I-III, 1934, IV-VI 1936
	Bulletins 101, 105, 107.

State College, Pennsylvania, N-S Component T_o = 6 sec.

Date	Phase	G. C. T. h	m	s	T	Remarks
1936						
Jan.9	e	10	11	37		Questionable whether record is of
	i		13	33		seismic origin.
	i		14	01		
9	e	20	57	34		
	i	21	00	37		
	i		01	51		
14	i	14	22	37	2	Deep focus earthquake
	i		23	40		
	i		24	43	2	△ = 7500 km
	i		31	07		
	i		31	45		
16	e	21	55	18		
	e	22	01	38		
Feb.15	e	13	21	01		Obscured by microseisms
	e		22	20	4	
	L	14	20		20	
Apr. 1	i	02	32	14	6	
	e		38	10		
	e		51	13	14	
	e	03	20			
	M		33		20	
19.		06 10 - 06		25		Long waves, Periods 18-20 seconds
23	e	23	35	10	4	
27	e	06	36	28		
	e		37	17		
	e			25		
	e		41	11		
	M		46.7		10	
	I	07	00			
May 20	M	04	15.3		18	
27	e	06	44	31		
	eL	07	23.0			
	M		30.4		16	
28	e	18	56	12		△ = 4300 km
	e		57	53		
	e	19	02	10		
	e		12	04		
	(M)		16.0			
June 3	e?	9	25	35		△ = 4100 km
	e		34	36		
	e		38.2		8	
30	i	15	18	21		△ = 8600 km
	i			34		h = 200 km ?
	i		19	46		
	i		26	36		
	e		27	51		
	e		32	49		
	eL		45	37		
	M		53. 2		14	
	I	16	25			

H. LANDSBERG

Pennsylvania

We thankfully acknowledge the receipt of the following publications and reports during July-December, 1936.

Apia, Samoa	July-Sept., 1936
Berkeley	Oct.-Dec., 1935, Vol. V #3
Hamburg	1.VI. - 19.IX. 1936 #10-19
Helwan	June-Nov., 1936
Huknoka	Seis. Bulletin, 1935
Ksara	" " 1933
La Plata	Oct., 1936
Manila	April-Sept., 1936
Melbourne	Jan.-Sept., 1936
Ottawa	June-Nov., 1936
Oxford	Internat. Seismol. Summary July-Sept., 1931
Pasadena	April-Sept., 1936
Praha	April-Sept., 1936
Riverview	May-Oct., 1936
Swiss Stations	Oct., 1936
Uccle	Jan.-June, 1936, #1-3
Wellington, N.Z.	Dom. Obs. Bulls. E42-45, E51-54, Bulls. 109 and 110

GEOPHYSICAL LABORATORY

State College, Pennsylvania

State College, Pennsylvania, N-S Component T_o = 6 sec.

Date	Phase	h	G. C. T. m	s	T	Remarks
1936						
July 13	iP	11	22	55		Chile
	i		24	21		
	e		31	35		
	e!			56		
	e		33.1			
	e		36	19		
	e		41	14		
	eL		44.8			
	M		54.6		19	
	F	12	21			
16	e?	7	21	32		
	e		23.0			Begin in minute mark
	i		23	20		
	e			41		
	i		24	10		
	M		25.3		10	
	C				6	
	F		35			
Aug. 21	e	13	06	47		Origin uncertain
	e		12	17		Single wave group only
22	e	7	11	12		
	e		15	39		
	eL		50.9			
	M	8	01.6		22	
23	e	22	33	44	4	
	e		34	52	5	
	e		51.5			
	eL	23	29.5			
	M					Not prominent
Oct. 5	i	10	07	01	3	
23	iP	6	32	55		Felt in Anchorage Alaska
	i		33	05		Δ = 5300 km
	e		39	53		
	e		43.5			
	e		47.8			
	i		49	19		
	M		53.1		12	
	C				6-8	
	F	7	20			
Nov. 2	e	21	02	46	6	
	e		10.6			
	eL		40			

H. LANDSBERG

State College, Pennsylvania, N-S Component T_o = 6 sec.

Date	Phase	G. C. T. h	m	s	T	Remarks
1936						
Nov. 13	eP	12	42	47		△ = 7800 km
	iP			50		
	ePP		45	25		
	ePPP		47	12		
	eS		51	25	6	
	eScPcS		52	41	7	
	eL	13	00		16	
	M_1		14.2		20	
	M_2		16.8		10	
	C				16-18	
	F		52			
19	iP	21	16	19		△ = 3700 km
	iPP		17	14		
	iPcP		19	27		
	iS		21	13		
	eSS		23	57		
	iSSS		24	38		
	e		27	37		
	M		28.9		20	
	F	22	00			
22	e	18	30	09	4	
	e			58	4	
	e		32	48		
	eL		36.6			
	M		38.0		18	
	C				10	
	F		59			
26	eL	2	26.0			
Dec. 20	e	2	55	20		
	M	3	01.5		10	
	F		16			
21	e?	19	18	53		
	e		23	10		
	M		25.4		10	
	C				8	
	F					Merging with the following
21	e	19	46	29		
	e		47.9			
	M		49.2		10	
	C				6-8	
	F	20	16			

H. LANDSBERG

The Earthquake Station
of
The Pennsylvania State College

Locality: The Station is located in an unused elevator shaft in the School of Mineral Industries Building. The instrument is mounted on a concrete pillar separated from the foundations and anchored to bedrock (Dolomite). The coordinates are:

$\Phi = 40°48'N.$ $\Lambda = 77°52'W.$ $H = 390$ m

Instrumental Equipment: The Station has one horizontal seismograph of the Bosch-Omori-type with 5 kg mass which was designed and constructed at the School. The pendulum is orientated NS and records photographically, the distance from mirror to recording drum being 1 m and the recording speed 1.5cm/min. The instrument constants are

$T_o = 6$ sec. $E : 1 = 4 : 1$ $V = 120$

Time Service: The time is controlled by a Spindler and Hoyer clock, which is compared twice daily with the NAA-Time signals from the U. S. Naval Observatory, Arlington. The clock movement is satisfactory enough to warrant an accuracy of time within one second.

Communications: Please address all communications to the

Geophysical Laboratory
School of Mineral Industries
State College, Pennsylvania, U. S. A.