Jan-Dec 1934.
Ref 3229

Pei-An-Ho, W. of Peiping, China
λ: 116° 5′ 45″; φ: 40°3′ 55″
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_o	ε	γ/T_o^2
due	Z	--	7.06	--	--
	N	97.47	5.38	0.3	.0114
Jan. 1	E	97.77	5.74	0.1	.0126

Galitzin-Wilip		T_1	T	μ^2	πl/kA
Sept. 26, '33 due	Z	11.15	11.12	.0005	.0195
Oct. 15, '33	N	11.28	11.01	.029	.0131
Oct. 17, '33	E	11.1	10.60	.033	.0118

January, 1934. 1

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
676	1, I	Ou	eP	6 25 19			5200	
			P_{EN}	32 15				
			F	7 26 --				
677	2	Iu	eP_Z	21 04(24)			522	E,N, component
			$e(S)_Z$	11 21				light source out.
			$e(L)_Z$	19 11				
			iP_Z	27 18	12			
			F	22 20 --				
678	3	IIr	iP_1	9 48 17	6		2900	Dilatation
			iP_2	50 13			2610	Azi.: NE
			P_{1EN}	52 58				Two successive
			iS_{2Z}	54 23				earthquakes, pro-
			iS_{2EN}	37				bably.
			P_N	58 16	8	16		
			P_Z	41	7	15		
			F	11 34 --				
679	8	C	eP_Z	23 10 42				N,E, component
			iZ	15 57				missed.
			F	30 --				
680	11	Cu	eP	10 30 16			5080	
			eS	37 05				
			$L?_{EN}$	40 41				
			M_E	46 48				
			F	11 32 --				
681	12	IIIr	C	13 31 51				
			iP	35 24			2220	Dilatation
			iS_{EN}	40 07				Azi.: 216.5°
			iS_Z	11				Epi.: 230 km, 1030 km
			iL_{NZ}	41 44				
			P_N	44 19	11	+33		
			P_Z	43 10		-34		
			F	14 52 --				
682	14	Cr	(e)	3 51 40			2420	Masked by micro.
			e(S)	55 40				
			F	4 05 --				
683		C	e	5 39 44				Masked by micro.
			e_Z	51 58				
			F	43 --				
684	15	IIIr	C	8 43 22				
			P	49 11			3045	Dilatation
			iP	17				Azi.: 251.5°
			iS	53 57.5			USS	Epi.: 250 km, 860 km
			eL_{EN}	56 47				Phases after P
								from Wiechert re-
								cord.

No.	Date	Char.	Phase	G.M.T.	T_p	Amu	Km.	Remark
684	15,I	IIIr	iL_{EN}	8 57 26	55ca			
			M	59.0ca	8ca			Out of scale.
			F	11 43 --				
685	16	0	e	5 09 44				
			M_{EN}	15 12	10			Initial phase very small.
			$i(M)_Z$	17.2ca				
			F	26 --				
686		Ir	P	18 46 34			3720	Dilatation
			i	47 54				Azi. N 148°S
			iS_E	52 04				
			eS_N	08				
			iS_N	14				
			eL_{EN}	55 43				
			F	19 56 --				
687	17	0	$(e)_{EN}$	8 46 00				
			e_Z	04				
			i_E	47 40				
			i_N	44				
			i_Z	48 04				
			F	9 02 --				
688	19	Ir	iP	12 37 49			2310	Dilatation
			eS_{EZ}	41 40				
			iS	48				
			L_{NZ}	44.2ca				
			M_N	45 59	10			
			M_Z	46 04	12			E component not clear.
			F	13 36 --				
689			e	18 55 45				
			M_N	19 03 42	9			Masked by micro.
			$(M)_{EZ}$	07 ca	10			
			F	12 --				
690	20	I	P	17 24 45				
			S	25 51				Foreshock of No.691.
			$\overline{S}$(iL)	26 07				
			F	33 --				
691		II	P	17 57 39				
			P^*_{EZ}	55			500ca	Felt at Tai-Yuan Shan Ssi.
			P_{EZ}	58 00				
			$(S)_{NZ}$	47				Main phase not clear, biggest amplitude about 105 mm
			$\overline{S}_Z$	59 03				
			F	19 19 --				
692		0	e_{EN}	22 04 48				
			e_Z	51				Masked by micro.
			M_{NZ}	12 05	12			
			F	22 --				
693		Iv	P	22 31 56			1880	
			S_{EZ}	35 11				
			L	37 02				
			M_Z	39 14	13			
			F Overlapped by the next quake.					

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
694	20,I	IIr	(P)	22 51 36			2835	Masked by coda.
			S	56 07				
			eL	59.3ca				
			M_Z	23 03 19	16	÷40		
			F	Overlapped by the next quake.				
695	21	IIv	P	6 59 12			1565	Condensation?
			(eS)	7 01 58				Masked by coda.
			iS_E	02 20				
			L_Z	04 53				
			M_Z	20 40	13	÷34		
			F	57 --				
696	22	IIv	O	7 49 57				
			iP	53 34			1710	Condensation
			S_{NZ}	56 33				
			S_E	34				
			L_{EN}	58 39				
			M_{1N}	8 00 35	12	÷11		
			M_{1Z}	39	14	-17		
			M_{2N}	01 47	10	÷9.5		
			M_{2Z}	49	10	÷10		
			F	50 --				
697	23	O	(e)	18 58 03				
			eL	19 03 15				Initial phase uncertain.
			M_{NZ}	05 24				
			F	23 --				
698	27	O	e_N	13 46 29				
			e_{EZ}	47				
			$e(S)_E$	47 46				
			F	56 --				
699	28	Iu	P	19 29 41			8380	Condensation
			eS?Z	39 20				
			iS	25				
			eL	20 02.5ca				
			M_{1EN}	14 41	18	-14		
			M_{2E}	22 32	18	÷17		
			M_{2Z}	23 57	18	÷27		
			M_{3E}	25 53	16	÷13		
			F	22 15 --				
700	29	O	(e)	1 44 53				
			e1	46 08				local
			e_{2EZ}	22				
			e_{2N}	24				
			S?Z	47 14				
			F	2 08 --				
701		Ir	eP_{EZ}	13 39 33			2465	P_N not clear.
			S_N	43 41				
			S_{EZ}	42				
			eL_N	45 46				
			M_N	48 07	14			
			M_{EZ}	49.6				
			F	13 40 --				
702	29 30	O	eL_{EN}	23 52.0ca				
			F	0 06 --				Trace of surface waves.

No.	Date	Char.	Phase	G.M.T.	Per	Amp	km.	Remark
703	30,I		eL EN	15 05 01				Very small
			b	15 --				
704		Iu	P EN	20 39 45				Z component not clear.
			eL	56.5ca				
			M1N	21 05 01	24			
			M1E	44	25			
			M2E	10 01	18			
			MZ	11 09	16			
			F	22 32 --				
			/					
705	31	I	P	10 19 12				Condensation
			iE	29 33				
			i	44				
			F	36 --				

Feb. 4 1934

S. P. Lee Superintendent.

The Chiufeng Seismic Station of the Geological Survey of China be to acknowledge with thanks the receipt of the following bulletins and publications, from Nov.'33 to Feb. 1934.

Riverview	Oct.-Dec. 1933
Firenze	Bollettino Seismologico: Jan.-Sept.'31 & 1932.
	Bollettino Meteorologico: Jan.-Sept.'31 & 1932.
Manila	Prel. Bulletin Oct.-Dec. 1933, Special Bulletin Dec.'33
Athens,	April-May 1933
Georgetown	Oct.-Dec.,'33, The Seismic receiver by F.W. Shon S.J.
Barcelona	Jan.-May,'33, No. 157 to 158.
Cartuja	Jan.-March 1933
U.S.C.	Jan.-March 1933
Hongkong	Prel. Nov.'33 to Jan.'34; Monthly Aug.'33; Meteo. Dec.'
Zikawei	No. 13-15 Sept.-Dec. 1933
Taihoku	Seis. Bulletin: Sept.-Nov.'33; Prel. report Nov. Dec.'33 Jan. 1934.
Göttingen	April-Sept. 1933
Osaka	Oct. 11-Dec. 3 1933
Zagreb	April-June 1933
Ewv	Oct.-Nov.-Dec. 1933
Ottawa	Oct.-Dec.'33; Bibliography of Seismology Vol.X No. 19.
Ebro	Oct.-Dec.'33; Boletin Mensual: Vol. XXIV Jan.-March,'33
Pasadena	Oct.-Dec.'33; Differences in diurnal variation of ver- magnetic intnnsity in Southern California. By Joshua.
Wellington	October 1933
Melbourne	July-Sept. 1933
St. Louis	A preliminary table of Observed Travel times of earth quake waves for distances between 10° and 180° applicabl only to normal earthquakes. by James B. Macelwane, S. J.
Strasbourg, Paris Central Bureau	Oct.-Dec. 1933
Florissant	June-July 1933
J. S. A.	No. 36-48 Oct.-Dec. 1933; No. 1-2 Jan. 1934.
Catastral Y de Estadistica:	Bulletin Sept.-Dec. 1932
Hawaii	The Volcano Letter Sept.-Nov. 1933
St. Louis	Sept.-Nov. 1933.
Uccle	March-September 1933
Zurich	Jahresbericht 1932 de Schweizerischen Erdbebendienstes von Dr. E. Wanner
	Beiträge zur Geographie der Erdbeben II von Dr. E. Wanner.
Nanking	Oct.-Dec. 1933 Vol. 2 No. 2.
Apia	Oct.-Dec. 1933
Vladivostok	March 1933 Aprial May 1933; General Part. II. Earthquakes of kamtchatka and Kamandor Islands. by A.S. Ulanoff,
Jena, R.f.E.	Mitteilungen: Heft 4. (Sieberg, Erdbeben); Heft 5. (Meisser, Angewandte Geophysik); No. 5. (Sieberg, Baum Erdbeben forschung in Dentschland, ?).
	Veröffentlichungen: Heft 21 Tätigkeitsbericht); Sond. aus Z.f. Geo.: (Meisser, Schneiden-und Unterlagematerial bei invariabolen Pendeln für relative Schweremessungen).
Tananarive	April to June 1933

S. P. Lee
Superintendent

Pei-An-Ho, W. of Peiping, China
λ: 116° 5′ 45″; φ: 40°3′ 55″
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION of the GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_o	ε	γ/T_o^2
due	Z	--	7.3	--	--
	N	97.8	5.4	3.6	.0194
Feb.15	E	98.8	4.9	3.2	.0127

Galitzin-Wilip		T_1	T	μ^2	$\pi l/kA$
Sept. 28, due 1933	Z	11.05	11.02	.005	.00195
Oct. 13, 1933	N	11.28	11.01	.029	.00131
Oct. 17, 1933	E	11.1[illegible]	10.6[illegible]	.038	.00118

February, 1934 5

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
706	2, II	Ir	(e)EZ	15 13 53				
			iP	14 01			4945	Condensation (e), Very weak vibration before iP.
			iS	20 42				
			LEN	25.8				
			M1E	27 44				
			M2E	29 15	21	21		
			MZ	32 08	19			
			MN	14	20	14		
			F	17 06 --				
707	3	IIu	iP	14 42 47			6045	Condensation Azi.: 130° ca.
			PP	44 51				
			SEN	50 30				
			SS?N	54 07				
			L	56.8				
			M1Z	15 04 11	22	43		
			M1N	14	21	34		
			M1E	15	20	19		
			M2E	08 10	19	16		
			M2Z	14	21	43		
			M2N	17	18	22		
			F	58 --				
708			(e)	20 20 31				Small local shock.
			P?	47				
			i	21 03				
			F	28 --				
709	4	Ir	O	3(10 58)			3000ca.	
			iP	16 36				Dilatation
			(pP)	17 04				Deep focus type.
			iS	21 12				
			F	58 --				
710		O	(e)	10 10 53				Initial phase uncertain.
			eEN	13.1ca.				
			e(M)Z	19 53				
			F	56 --				
711		IIu	ePEZ	13 36 39			5555	P_N not clear. N-comp. lost: 39m-47m.
			eSEZ	43 55				
			L?	55.1ca.				
			M1N	58 54	14	25		
			M1E	59 06	13	11		
			M2E	14 01 36	14	13		
			M1Z	38	13	13		
			M2N	32	11	11		
			M2Z	03 58	10	9		
			F	15 18 --				

No.	Date	Char.	Phase	G.M.T.	Tp	Amu	km.	Remark
712	4,II	Ir	P	22 10 46			4000ca.	Condensation
			S_E	16 27				Deep focus type?
			$L?_E$	20 48				
			F	23 15 --				
713	7	Of	P_{EN}	22 32 31			1650ca.	Focal depth deeper than usual.
			S_{EN}	35 19				Z-comp. lost by light source burning out.
			F	45 --				
714	9	Iu	P	9 38 25			5910	(P) condensation
			i	47				
			eS	46 01				
			iS_E	37				
			L	52.4				
			M_Z	59 47	22	17		
			M_E	51	20			
			M_N	51	21	10		
			F	10 58 --				
715			$\underline{P}?_{NZ}$	11 39 51				Small local shock.
			$iP?$	57				
			F	58 --				
716		O	P	22 44 34				Dilatation
			i_Z	45 52				
			F	23 02 --				
717	10	Or	e	22 06 24				
			M_N	14 21				
			$e(M)_{EZ}$	16.6ca.				
			F	56 --				
718	11	Or	eP	9 09 22				
			e_E	17 19				
			e_N	24				
			e(L)	27.5ca.				
			F	10 21 --				
719	12	IIIr	P_Z	11 36 07			2645	Dilatation
			iP	11				Azi.: 203° (Epc: 22°N, 108.5°E)
			iS_{EN}	40 29				
			$i(S)_Z$	35				
			iL	43.7				
			M_E	44 16	12	34		
			M_{1N}	19	11	31		
			M_{2N}	46 12	9	20		
			M_Z	39	12	26		
			F	13 12 --				
720	13		e(P)	10 02 39				Very small.
			$(e)_E$	24 21				
			eL	29.4ca.				
			F	54 --				
721	14	Or	eP_{NZ}	1 29 43				E-comp. confused.
			$e(S)_{NZ}$	32 31				
			F	2 13 --				

No.	Date	Char.	Phase	G.M.T.	Tp	Amu	km.	Remark
722	14,II	IIIr	iP	4 04 41			2520	Azi.: 167.4° Epc: 22°N, 120.5°E. (S. end of Taiwan) Galitzin record faint after P-phase due to large amplitude, phases after S from Wiecnert.
			iS_{EN}	08 49				
			S_Z	55				
			L_Z	11 02				
			M_E	15 43	12			
			F overlapped by next quake.					
723		Ir	eP_{NZ}	7 17 37				
			$eS?_N$	21 56				
			F overlapped by next quake.					
724		Ir	P	7 55 47			2565	
			S	59 58				
			M_{NZ}	8 10.8	ca.10			
			F overlapped by next quake.					
725		Ir		8				
			P_{NZ}	32 50			2590	E-comp. not clear.
			S_{EN}	37 03				
			$e(M)_N$	49 53				
			F	9 24 --				
726		Or	P_{NZ}	11 07 01				
			$eS?_Z$	11 13				
			eL_N	16 18				
			$(M)_N$	24 13				
			F	56 --				
727		Ir	iP	17 19 42			2520	Condensation Azi.: 160.5°
			S	23 50				
			$L?_{NZ}$	28.5				
			M_{1N}	30 33	12			
			M_{1Z}	46	13			
			M_{2N}	33 04	10			
			M_{2Z}	34 30	10			
			F	18 38 --				
728		Ir	P	19 11 24			2580	Dilatation Z-comp. time mark inveident.
			S	15 36				
			$i(M)_N$	23 35				
			F	20 22 --				
729	15		e	11 07 31				Very small.
			F	38 --				
730			eN_Z	12 27 45				
			e	31 58				
			F	58 --				
731	16	I	eP_1	6 23 00				Probably two earthquakes superposed on each other, the first one more distant.
			PP?E	27.3				
			$e(P)_{2Z}$	44 56				
			i_{NZ}	47 55				
			i_E	48 06				
			M_{1Z}	55 07	11	6		
			M_{1E}	20				
			M_{1N}	49	12	6		

No.	Date	Char.	Phase	G.M.T.	Tp	Amu	km.	Remark
731	16,II	I	M_{2Z}	6 59 13	11	10		
			M_{2E}	14				
			M_{2N}	16	10	7		
			M_{3Z}	7 02 42	9	8		
			M_{3N}	48	9	11		
			M_{3E}	04 30				
			F	8 10 --				
732	17	Ir	eP?	21 10 16				
			$eS?_{EN}$	16 50				
			F	22 08 --				
733	19	IIIu	iP	10 33 03			5045	Condensation
			i(PP)	34 59				Azi.: 200°
			iS_{EN}	39 55				
			L	48.8				
			M_E	56 46	15	22		
			M_Z	57 00	15	46		
			M_N	09	14	33		
			F	12 36 --				
734	20		eL_{EZ}	4 20 05				Initial masked by micro.
			$e(M)_{EZ}$	23.9ca	22			
			F	5 01 --				
735	22	Iu	eP	8 16 37			6080	
			eS	24 22				
			eL_{NZ}	34.4				
			$L?_E$	37 35				
			M	42.5	15			
			F	9 36 --				
736	24	IIIr	iP_{EN}	6 29 44			2710	Z-comp.(Wiechert and Glaitzin)missed. M-phase from Wiechert record while M on Galitzin record faint, the biggest amplitude about 11 cm. (iP) condensation Hori. beginning very oscillatory. AM<As, abnormal focus?
			S_{EN}	34 07				
			iS_E	20				
			M_N	40 34				
			M_E	51				
			F	10 09 --				
737	25	Ir	iP	16 28 02			2580	
			iS_{EN}	32 14				
			L	36.2				
			M_{NZ}	40.1	12			
			F	17 28 --				
738	27	Iu	$eP?_{EZ}$	21 39 08				
			e_E	42 32				
			$eS?_E$	46 46				
			$eL?_E$	56 43				
			$i(M)_E$	22 03 29				
			$i(M)_Z$	04 57				
			F	30 --				
739	28	IIIu	iP_{EN}	14 31 19			6345	Z-comp. lost by driving clock stopping.
			iS_E	39 19			6445	
			iS_N	25				
			L_{EN}	45.9				
			M_{1E}	51 59	20	63		S. P. Lee
			M_{1N}	52 16	20	80		Superintendent.
			F	18 10 --				Mar. 7, 1934

Pei-An-Ho, W. of Peiping, China
λ: 116° 5′ 45″; φ: 40°3′ 55″
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_o	ε	γ/T_o^2		Galitzin-Wilip	T_1	T	μ^2	$\pi l/kA$
due	Z	--	7.24	--	--	Sept. 28, '33	Z	11.05	11.02	.005	.00196
	N	100.5	5.34	3.8	.008	Oct. 13, '33	N	11.28	11.01	.029	.00131
Mar. 1	E	97.9	4.99	3.3	.014	Oct. 17, '33	E	11.10	10.60	.038	.00118

March 1934.

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
740	1, III		e	3 55 13				Trace
			M	4 21.4				
			F	5 17 --				
741		Iu	e(P)	19 50 44			6145	
			P	47			6265	
			eS_N	58 33				
			S	43				
			L	20 06.2				
			M_E	11 14	21			
			M_N	22	21			
			F	21 27				
742		Iu	P'	22 05 22		ca.	173°	Epc.: 39°S, 74°W (USS)
			i	51				
			ScPcS?	10 48				
			i	15 08				
			i_E	17 20				
			i_Z	25				
			i_{EZ}	21 08				
			eI_{EZ}	23 05.2				Surface wave small.
	2		F	0 38 --				
743	3	Ir	eP_{EZ}	0 38 30			2245	
			iP_N	32				
			$eS?_{EN}$	42 15				
			eI	44.4	ca.			
			M	46.8	10			
			F	1 10 --				
744	4	Iu	iP	6 06 43			8110	Condensation
			S_{EZ}	16 15				Azi.: 125.8°
			$eI?_{EZ}$	30.9				
			F	7 32 --				
745		IIr	eP_{EZ}	11 24 20			3835	N-comp. lost by driving clock stopping.
			i_{EZ}	25 40				
			iS_E	29 57				
			I	34.3	ca.			
			M_{1E}	38 51				
			M_{2E}	40 05				
			M_Z	41 57	10	30		
			F	13 10 --				
746	5		eP_{EN}	5 56 26			1700	Very small.
			eS_{EN}	59 25				
			F	6 10 --				
747		IIu	P_{EN}	11 59 47			9290	E-comp. unclear.
			$(PP)_N$	12 02 57				
			iS_N	10 11				
			I?	17 24				

No.	Date	Char.	Phase	G.M.T.	T_o	A_{mu}	km.	Remark
747	5,III		M_1N	12 30 15	21	28		
			M_2N	33 51	23	54		
			M_3N	47 08	17	35		
			M_4N	56 16	18	37		
			M_5N	13 01 17	19	44		
			M_6N	06 24	16	29		
			F	16 30 --				
748	6	Ir	$e(P)_N$	14 51 21				Initial phase very small E & Z-comp. both lost.
			e_N	56 03				
			eI_N	59.9				
			M_N	15 04 04	17			
			F	16 14 --				
749	7		$(e)_{EN}$	16 07 56				Trace
			e_N	11 37				
			F	21 --				
750		Cu	e_N	23 12 21				
			$eI?_{EN}$	41.7ca				
			F	0 55 --				
751	9	I	eP?	14 10 03				Very small initial.
			eL_{EN}	18.6				
			M_{EN}	23 08	15			
			M_L	27 31	19			
			F	15 25 --				
752	10		$(e)_Z$	15 13 20				Trace
			eM_{EN}	24.5	15			
			F	16 00 --				
753	11		eM_{EN}	00 45.9ca				Train of surface waves.
			F	1 07 --				
754			P	10 46 36				Condensation
			F	11 04 --				
755		Iv	O	19 10 03				Direction: S-W, Dilatation
			P	13 25			1565	
			eS	16 11				
			L	17 57				
			M_N	18 34	7	6		
			M_{EZ}	20 03	8	6		
			F	52 --				
756	12	Iu	O	15 05 52				
			iP	18 22			9380	Dilatation
			PP	21 46				Minute marks dying out on Z-comp.
			S_{EN}	28 50				
			iS	29 02				Epc.: 42°N, 112°W (USS)
			$SS?_E$	34 25				
			L_E	44 56				
			M_N	53 33	15			
			M_E	54 00	19	30		
			$M_Z?$	(21)	20			
			F	17 00 --				
757			$i(M)_E$	19 08 31	24			In heav, microseism.
			F	40 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
758	13,III	Iu	(e)$_E$	13 22 46			640?	Deep focus?
			iP	23 01				Condensation
			i	24 08				
			S$_{EN}$	31 46				
			I?	40.0ca				
			F	16 43 --				
759	15	O	i$_{EN}$	11 10 37				
			e$_Z$	39				
			i$_{EZ}$	12 35				
			M$_{EN}$	44.0	19			
			F	14 30 --				
760	16	Iu	iP	14 22 56			830	Azi.: 137.3°
			pP$_{EZ}$	23 22				Deep focus: 0.03Rca
			iS$_E$	30 18				
			isS?$_{EN}$	31 12				
			F	15 13 --				
761		O	P?	17 15 59				
			eL?$_{EN}$	23.6ca				
			M	31 10	19			
			F	18 20 --				
762	18	I	e$_E$	0 20 28				Local
			P?	46				
			i(S)?	21 19				
			i$_N$	30				
			i$_Z$	37				
			i$_E$	42				
			i$_N$	22 54				
			F	53 --				
763		Ir	iP	4 39 18			260?	Condensation
			i$_{EN}$	40 17				Azi.: 61°
			i$_Z$	24				Deep focus?
			S$_E$	43 52				
			S?$_{NZ}$	45 02				
			L$_{EZ}$	49.0ca				
			F	6 04 --				
764	19		e$_E$	3 45 12				Trace
			F	4 14 --				
765			(e)$_{EZ}$	11 31 08				Very small.
			e$_E$	34 53				
			eM$_{EZ}$	40.1	14			
			F	12 01 --				
766	20	Iu	eP	2 47 30			5910	Time mark dying
			S	55 26				out on N-comp.
			I	3 03.5ca				
			M$_E$	07 44	20			
			M$_N$	11 37	16			
			M$_Z$	38	17			
			F	4 21 --				
767			eM$_{EN}$	20 10 25				Train of surface
			F	14 --				waves.

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
768	21,III	Ir	eP_{EZ}	0 58 48			2390	
			eS_{EZ}	1 02 45				
			eL_{EN}	05.6ca				
			$M_{\overline{E}}$	07 14	15			
			M_Z	18	15			
			M_N	22	13			
			F	55 --				
769		Or	eP	3 44 14			2090	
			eS	47 47				
			M_N	50 30	15			
			M_E	53 20	11			
			M_Z	23	11			
			F	4 12 --				
770		Or	eP_{EZ}	5 43 09			2355	
			eS	47 03				
			M	51.6	15			
			F	6 18 --				
771	22	I	eI_{EN}	20 32.6ca				Initial phases buried in heavy micro.
			M_E	39 51	15			
			M_N	40 08	15			
			M_Z	42 56				
			F	21 09 --				
772	23		eL_{EN}	8 14.9ca				Z-comp. lost
			M_{EN}	17.4	15			Initial masked by heavy microsiesm.
			F	29 --				
773	24	Iu	P_{EZ}	12 15 08			6955	N-comp. lost
			i_{EZ}	35				
			PP_{EZ}	17 27				
			S_{EZ}	23 43				
			L_{EZ}	31 22				
			M_Z	38 34	24	45		
			$M_{\overline{E}}$	41	22			
			F	16 24 --				
774	27		i_{EN}	3 48 06				Very small.
			i_N	48				
			F	56 --				
775	29		$eL?_{EN}$	0 30 51				Trace of surface waves.
			$e(M)_N$	33 14				
			F	46 --				
776		Cu	iP_{EZ}	20 17 01				Condensation
			eS?E	25 21				
			F	21 10 --				
777	30		e_{EZ}	4 36 07				Trace
			F	56 --				
778			e_N	15 01 24				Trace
			$e(M)_{EZ}$	05.4				
			F	14 --				
779	31		$(e)_{EZ}$	18 31 50				Local, very small.
			i_{EZ}	33 12				
			i_{EZ}	34 52				
			F	48 --				

April 7, 1934

S. P. Lee, Superintendent

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_0	ε	γ/T_0^2
April 17	Z	--	7.27	--	--
	N	102.0	5.36	2.8	.013
	E	96.3	5.00	3.2	.010

Galitzin-Wilip		T_1	T	μ^2	$kA/\pi l$
Sept. 28, '33	Z	11.05	11.02	.005	508
Oct. 13, '33	N	11.28	11.01	.029	762
Oct. 17, '33	E	11.10	10.60	.038	847

April, 1934. 13

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
780	1, IV		eP?	22 00 27			2565	Small
			eS	04 38				
			F	35 --				
781	3	Ir	O	22 31 55				
			PEZ	37 10			2680	Dilatation
			iSE	41 30				
			F	0 00 --				
782	5		(e)N	10 51 02				
			e(M)N	55 22				
			e(M)Z	38				
			F	11 06 --				
783	6	IIr	O	19 09 35				
			iP1	13 58			2120	Condensation
			P2	14 19			2280	Probably two successive earth-
			S1	17 33				quakes.
			S2NZ	18 07				
			MZ	23 59	10	8		
			F	20 43 --				
784	7		eE	11 03 53				Trace
			F	15 --				
785	8		(e)	11 57 11				Very small.
			F	12 17 --				
786	9		e?Z	15 49 11				A very distant earthquake.
			e(P)	21				
			iZ	54 30				
			eLEZ	16 41 09				
			F	18 0(--				
787	10	Iu	O	10 24 33				
			iP	31 23			5020	Condensation
			PP?	33 16				Azi: 210°; Epc.:
			iS	38 00				1.6°S, 95°E.
			SS?	41 52				
			LNZ	46.7				
			MZ	54 16	16	18		
			F	12 30 --				
788	11		PE	21 23 40			8310	N- and Z-comp. missed. iS, very big in amp.; M, undistinguishable.
			iE	24 20				
			iSE	33 21				
			F	22 43 --				
789	12	Ir	eP	9 15 18			2420	
			S	19 18				
			iL	21.7				
			F	10 05 --				

No.	Date	Char.	Phase	G.M.T.	T_{mu}	Ap	km.	Remark
790	13, IV	Iv	eP?Z	19 53 00			1645	N-comp. lost.
			S_{EZ}	55 53				S, large in amp;
			F	20 12 --				M, undistinguish-
								able.
791		Iv	O	22 03 52				
			iP_{EZ}	07 24			1660	Dilatation
			iS_{EZ}	10 19				N-comp. lost.
			F	30 --				Same type as No.
								790.
792	15	Ir	eP_{EZ}	10 37 41			2420	
			$e(S)_{NZ}$	41 20				
			S_{NZ}	41				
			eL	43.9ca.				
			F	11 39 --				
793		IIr	O	22 15 24				
			iP_{EZ}	21 56			3580	Condensation
			iS_{Z}	27 17				N-comp. lost,
			L_{EN}	30 06				L, from Wiechert.
	16		F	02 30 --				
794		Ir	O	03 59 26			3545	N-comp. lost.
			P_{EZ}	04 05 56				Condensation
			S_{EZ}	11 15				Probably after
			F	05 46 --				
795		Ir	O	13 40 20				
			iP	44 44	3.5		2135	Condensation
			iS_{EZ}	48 20				Azi: 159; Epi:
			M_{E}	51 15	6			22°N, 123°E.
			M_{N}	52 14	7			
			F	14 42 --				
796	17		eI Z	19 51.3				
			F	20 02 --				
797	18	O	e(P)	22 55 51				Local
			i_{EN}	56 07				Z-comp. time mark
			i_{N}	18				lost.
			F	23 02 --				
798	19		$e(P)_{NZ}$	7 54 51			2620	Very small.
			e	59 07				
			F	8 25 --				
799		Ir	iP	16 17 44			10°ca.	Condensation
			pP?	18 53				S, very large
			iS	19 45				in amp.; deep foc.
			i_{N}	21 07	6			--500 km. ca.
			i_{E}	09				
			F	17 53 --				
800	19	O	iP	20 40 46			140	Condensation
			iS	41 00				Small local shock.
			F	42.6				
801	24	Iu	eP_{NZ}	2 07 48			5120	Small P, large
			iS	14 40				S, Main phase un-
			F	55 --				distinguishaole.

No.	Date	Char.	Phase	G.M.T.	Tp	amp.	km.	Remark
802	24, IV	Iu	eP$_{NZ}$	17 48 45			9400	E-comp. confused.
			eS?$_{N}$	49 14				
			eM$_{Z}$	18 28 07	15			
			e(M)$_{N}$	30 25				
			F	19 22 --				
803	25	Ir	iP	5 08 13			3745	Condensation
			iS	13 44				S, big in amp.: main phase undistinguishable.
			F	34 --				
804	26	Iu	C	5 31 53				
			P	44 09			9010	Condensation
			S$_{EN}$	54 20				
			F	7 24 --				
805		Iu	C	7 56 54				
			P	8 09 09			9045	Condensation
			S$_{EN}$	19 22				Probably from the same origin as No. 804.
			F	9 39 --				
806		Iv	eP?NZ	13 32 13		ca. 350		
			S	50				
			F	33 --				
807		Ir	C	13 40 52				
			iP	48 03	7		4145	Dilatation
			PP?N	49 21				Az: 115°; epc.: 18°N, 141°E.
			PPP?	42				
			S	54 03				
			eL	14 00.1				
			M$_{Z}$	06 29	16			
			M$_{N}$	09 18	16			
			F	56 --				
808		Iu	C	21 01 28				
			iP	12 43	6		7910	Dilatation
			S$_{EN}$	22 04				Az: 135°; epc.: 18°S. 161°E.
			M$_{Z}$	47 07	16			
	27		F	0 31 --				
809			eP?$_{NZ}$	3 20 07			5110	Trace
			e(S)	26 58				
			F	50 --				
810			eP$_{EZ}$	9 22 23				Small
			M$_{Z}$	31 10	15			
			F	10 19 --				
811		Iu	P$_{Z}$	20 00 13			9065	N-comp. lost.
			iE$_{Z}$	06 24				
			S?E$_{Z}$	10 27				
			iE	16 31				
			eL?E	20 42				
			M$_{Z}$	30 14	21			
	28		F	00 18 --				
812		I	iP	15 18 05				Condensation
			F	16 25 --				

No.	Date	Char.	Phase	G.M.T.	T_p	Amu	km.	Remark
813	28,IV		eP	18 11 04			6410	Trace
			e(S)	19 08				
			F	55 --				
814			e	21 22 50				
815	30		eP	10 06 09				Trace
			F	42 --				
816		Ir	$(e)_{EN}$	15 25 22				
			e_{EN}	54				
			eS	29 48				
			F	16 08 --				

May 10, 1934

S. F. [illegible],
Superintendent.

The Chiufeng Seismic Station of the Geological Survey of China beg to acknowledge with thanks the receipt of the following Bulletins and publications, from March to April 1934.

Seis. Inst. Tokyo.	Japanese Journal of Astronomy and Geophysics Vol. XI No. 2. Past tunamis of the Sanriku coast. by A. Imamura On Chronis movements of the North-West Osaka Block. by A. Imamura.
Wellington	Prel. Bulletin: Dec. 1933, Jan.-Feb. 1934
Oxford	Seismological Summary Oct.-Dec. 1929 The constants of Seismological Observatories. by K.E.B.
Georgetown	Seis. Bulletin: Jan.-March 1934.
Manila	Monthly Bulletin: Jan.-Feb.,'34, Special Bulletin: Feb.-March 1934, Seis. Bulletin: Jan.-June 1933, Corrections to wireless time signals cavite, P.I. Jan.-Feb. 1934.
Zikawei	Seis. Bulletin: No. 1-5 1934.
Taihoku	Seis. Bulletin: Dec.,'33 & Jan.,'34, Prel. Bulletin: Feb. 1934.
Hongkong	Monthly Seis. Bulletin: Jan.-Feb. 1934 Meteo. report. Jan.-Feb. 1934.
Melbourne	Seis. Bulletin: Oct.-Dec. 1933.
Bergens	Seis. Bulletin: Jan.-Dec. 1932 to Jan.-Dec. 1933.
J. S. A.	Prel. Bulletin: Jan. 28-30. No. 3-4 1934.
Florissant	Seis. Bulletin: Sept.-Oct. 1933.
Ottawa	Seis. Bulletin: January 1934.
Pasadena	Seis. Bulletin: Jan.-Feb. 1934.
Kew	Seis. Bulletin: Jan.-Feb. 1934.
Leningrad	Seis. Bulletin: Jan.-June 1933.
Hawaii	Volcano Letter Dec. 1933 Jan. 1934.
Koti	Seis. Bulletin: January 1934.
Harvard	Seis. Bulletin: Nov.-Dec. 1932, Jan.-March 1933. New Recording vault of the Harvard Seismograph station. by L. Don Leet. Elastic properties of rocks at and near the Earth's surface and their relation to seismology. by W. A. Zisman. An Improved apparatus for the Measurement of Poisson's Ratio. by W. A. Zisman. Young's Modulus and Poisson's Ratio. By W. A. Zisman. Compressibility and Anisotrophy of Rocks. Elastic constants of Rocks. Velocity of Elastic waves in Granite Norite. by Don Leet.
Osaka	Seis. Bulletin: Oct.-Dec. 1932 (printed) Monthly Bulletin: Dec. 4,'33 to Feb. 28,'34.
Uccle	Seis. Bulletin: Sept.-Dec. 1933.
Strasbourg) Paris) Bareau)	Seis. Bulletin: Jan.-Feb. 1934.
Vladivostok	Seis. Bulletin: June 1933.
Batavia	Seis. Bulletin: Oct.-Dec. 1933.
Madagascar	Seis. Bulletin: July-Sept. 1933.
Hamburg	Seis. Bulletin: Oct.-Dec.,'33, Jan.-March 1934.
Ebro	Boletin Mensual: Vol. XXIV, -Num. 4-5-6.

May 10, 1934

S. P. Lee, Superintendent.

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_0	ε	γ/T_0^2
Z	--	7.5	--	--
N	100.2	5.4	3.2	.0129
E	102.3	4.9	3.3	.0110

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13,'34	Z	11.41	10.27	.001	511
May 15,'34	N	11.36	10.43	-.034	679
May 15,'34	E	11.13	10.78	.050	765

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
817	1,V	0	e_{EZ}	3 48 38				
			e_N	54 55				
			M_{EN}	4 06 16	8			
			M	10 21	13			
			F	42 --				
818		Iv	iP	7 12 19			34.5°	condensation
			i_Z	13 53				Azi.: 203°
			i_{EN} (P2)?	58				Deep focus type,
			S_Z	17 56				probably two or more
			iS_{EN}	18 11				quakes superposed.
			i_Z	19 34				
			i_{EN} (S2)?	52				
			i_{EN}	21 02				
			i_E	28				
			F	8 50 --				
819	3	Ir	P	1 36 34			2700	condensation
			S_{EZ}	40 56				
			L_{EZ}	44.4				
			M_E	47 03	17			
			M_Z	34	16	20		
			F	3 55 --				
820	4	IIu	O	4 36 18				
			iP	46 02	7		6355	dilatation
			i_Z	48 29				Epc.: 61°N, 148°W
			i_{EZ}	50 03				(U.S.C.G.S.)
			iS	54 03				
			L	5 00.6	ca.			
			M_{1Z}	07 46				
			M_E	08 45				
			M_N	09 28	6	6		
			F	8 05 --				
821	5		e	10 44.4	ca.			Trace
			F	52 --				
822		Ou	eP	14 45 35			9355	
			$eS?_{EN}$	56 02				
			i_N	41				
			M_Z	15 20 22	26			
			F	56 --				
823			iP?	16 51 1[illegible]				Very small
			F	17 15 --				
824	7	Or	eP_Z	2 01 29			3390	
			$eS?_E$	06 38				
			F	31 --				
825		Or	e(P)	4 13 10			3365	

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
825	7,V		S_{EN}	4 18 18				
			F	5 03 --				
826	9	Ou	eP	16 19 31				E-comp. faint.
			M_{NZ}	31.2	16			
			F	17 31 --				
827			eI_{NZ}	18 42.3				Trace of surface waves.
			F	55 --				
828	11		e_E	0 30 18				Trace
			e	50 17				
			e	54 33				
			F	2 02 --				
829			eP_E	9 06 32			2610	Very small
			$eS?_E$	10 47				
			F	37 --				
830			e_{EZ}	18 31 11				Trace
			e_E	36 56				
			F	19 13 --				
831	12		eP_{EN}	10 48 39				Very small
			i_{EN}	53 12				
			e_E	56 38				
			e	11 00 50				
			F	33 --				
832			e	20 34 09				
			eS?	40 20				
			F	21 09 --				
833	13	Iu	iP	9 10 48			6065	condensation Azi.: 121°
			iS	18 32				Initial sharp and large, main phase
			i_{EN}	20 28				
			I?	25.8				obscure and small.
			M_Z	30 35	24			
			M_E	32 27	18			
			F	12 11 --				
834			$(e)_{EZ}$	14 36 28				Trace
			F	15 36 --				
835		Ir	P_{EN}	17 06 50			2500	Bulo out on Z-comp.
			S_{EN}	10 51				
			M_{EN}?	16.9	15			
			F	18 07 --				
836	14	Iu	iP_{EZ}	22 22 40			6200	condensation Epc.: 59°N, 150°W (U.S.C.G.S.)
			S_{EZ}	30 32				
			i_{E}	32 28				
			eI_{EZ}	37.6 ca.				
			M_{Z}	43 56	19			
			F	0 20 --				
837	17	Iv	eNZ	10 35 23			640	
			P?	56				
			i	36 27				

No.	Date	Char.	Phase	G.M.T.	T_p	Amu	km.	Remark
837	17,V		iS_{EN}	10 36 45				
			iM_Z	37 28				
			F	50 --				
838	18		$(e)_{EZ}$	22 41 13				Very small
			e_{NZ}	43 09				
			i_N	23				
			M?	44.5				
			F	51 --				
839	19		eZ	1 34 55				Initial uncertain.
			e_{EN}	38 19				Very small.
			F	58 --				
840		Or	eP	10 49 39			2545	
			eS?	53 49				
			F	2 33 --				
841			$e?_{NZ}$	18 43 13				Trace
			F	46 --				
842	20	Ov	e_E	6 41 42			2360	Z-comp. lost.
			S_{EN}	45 38				
			F disturbed.					
843	21	Ir	P_{NZ}	4 40 32			2055	
			eSE	44 02				
			eL	45.9				
			M_{1N}	47 55	11	9		
			M_E	48 29	8			
			M_{2N}	41	10	10		
			M_Z	52	11	19		
			F	6 03 --				
844		O	$(e)_{NZ}$	10 17 28				Trace
			eL_{NZ}	45 17				
			F	11 16 --				
845	22	Ov	eP_{EN}	1 29 39			2965	Z-comp. missed.
			$eS?_N$	35 20				
			M_N	43 58	15			
			F	2 21 --				
846	28	Ir	P	5 39 04			2600	condensation
			eS_{EZ}	43 18				
			i	44 15				
			F	6 19 --				
847	29	Iv	e	1 23 23				
			P?	45			250?	
			S?	58				
			S?	24 14				Iniminute mark.
			iM	55				
			F	39 --				
848	30	Or	eP_E	23 08 16			2120	Z-comp. lost.
			S_{EN}	11 51				
			F	40 --				

June 7, 1934

S. P. Lee
Superintendent.

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_o	ε	γ/T_o^2
Z	—	7.29	—	—
N	100.6	5.48	3.6	.0133
June 15	97.9	5.02	4.0	.0099

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13,'34	Z	11.41	10.27	.001	511
June 29,'34	N	11.36	11.02	.007	717
June 12,'34	E	11.13	11.54	-.002	810

June, 1934. 20

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
849	2,VI	Ir	iP EZ	5 59 30			22.2°	Dilatation
			PP EZ	59				Deep focus type,
			iS EZ	6 03 33				depth, 130 km.
			F	7 12 --				N-comp. lost.
850		Iu	P NZ	13 53 46			7655	Dilatation
			e(PP) NZ	56 15				
			S? EN	14 02 55				
			eL?	17.1				
			L NZ	19.9				
			M Z	25 35	17			
			M N	38	16	11		
			F	15 42 --				
851		Ou	eP	16 55 32			5900	
			eS? NZ	17 03 17				
			e N	17 18				
			(M) Z	22 00	13			
			(M) N	22	17			
			F	50 --				
852		Iu	eP?	21 04 34			2520	Initial uncertain.
			eS? N	08 42				
			L	13.5				
			M N	16 42	17	10		
			M E	18 56	16			
			M Z	19 01	16	13		
			F	Overlapped by next quake.				
853		Ir	eP?	21 32 43				
			eL	37.5				
			M Z	39 23	14			
			M E	25				
			M N	27				
			F	22 27 --				
854	3	Ou	iP	16 26 59			7835	Condensation
			S EN	36 16				
			i EN	56				
			F	17 20 --				
855		Iu	e EZ	21 10 17				Uncertain
			P	20			5455	Dilatatinn
			S N	17 30				
			(S) E	36				
			eL	24.9				
			M NZ	31.2	18			
			F	22 10 --				
856	4		e N	6 08 42				Trace
			e EZ	10 36				
			F	30 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
857	5,VI	I	e_{NZ}	13 12 07				Initials inevident.
			i	15 58				
			F	40 --				
858	6	Ir	P_{EZ}	6 28 52			2655	Condensation
			S_E	33 11				N-comp. driving
			eL_{EZ}	35.0				clock stopped.
			M_Z	39 23	15			
			M_E	41 06	14			
			F	7 55 --				
859			eP	11 47 20				Trace
			$e(M)_Z$	57 44				
			F	12 24 --				
860		Or	eP	16 40 18			2795	
			$e(S)_N$	44 46				
			$e(M)_Z$	50 42				
			F	17 17 --				
861	7		(e)	16 16 24				Very small
			$e(L)_N$	24 57				
			$e(M)_Z$	28 33				
			F	48 --				
862	8		$(e)_Z$	5 00 42				Trace
			e_{EN}	11 12				
			$eL?_N$	26 37				
			F	6 56 --				
863			$e(\bar{P})_E$	21 06 17			370	Small, local.
			$\bar{S}_{EZ}$	37				N-comp. lost.
			F	17 --				
864	9	Ir	eP	2 31 37			2380	
			$eS?_{EN}$	35 33				
			F	3 ? --				
865		Iu	iP	13 08 00			51.6°	Condonsation
			pP?	31				Deep focus, depth
			iS	15 26				230 km.
			L_{NZ}	21 12				Amplitude S very
			L_E	46				large.
			M_N	25 40	17	15		Epc.: 2.3°S, 148.4°
			M_{Z1}	26 24	15	12		E.
			M_E	27	17	11		
			M_{Z2}	29 35	19			
			F	16 20 --				
866	13	IIr	iP	1 56 00			22.6°	condensation
			S	2 00 07				Deep focus typo,
			L_{NZ}	04.0ca.				Azi.: 71.4°
			M_Z	10 08	9	13		Epc.: 44°N, 148°E
			M_E	11	10	8		
			M_N	41	10	10		
			F	4 20 --				
867		IIIr	P_{EN}	22 18 40			4900	Z-comp., driving
			iE	20 59				clock stopped.
			iS_{EN}	25 19				

No.	Date	Char.	Phase	G.M.T.	Tp	Amp.	km.	Remark
867	13,VI		iN	22 28 33				
			MN	37 33	18	79		
			ME	42 14				
	14		F	1 12 --				
868	15	Ou	e(P)	3 01 33				
			eN	09 05				
			e(L)NZ	14.7				
			ME	20 34	17			
			MN	22 17	18			
			MZ	23 23	19			
			F	4 02 --				
869		Ou	e(P)EN	21 36 22				
			eL	41.4				
			(M)	44.3				
			F	22 10 --				
870	16	Or	(e)	5 17 32				Initial uncertain.
			e(S)EN	22 31				
			e(L)EZ	28.6				
			F	6 18 --				
871		Ov	eP	16 08 03			1440	
			eS?EN	10 37				
			F	28 --				
872			eP	18 41 46				Small
			eN	46 32				
			eE	41				
			e(L)N	50 47				
			F	19 31 --				
873	18	Iu	iP	9 23 33			6145	Condensation
			S	31 22				Azi.: 42.7°
			eL?E	38 22				Epc.: 62°N, 150°W
			iN	42 16				
			MN	46 10	8			USCGS
			ME	11				
			MZ	49	10			
			F	10 35 --				
874	19	Or	eP	3 57 10			3945	
			S	4 02 54				
			F	27 --				
875		Ov	eP?EZ	15 51 14			1135	
			eS?	53 20				
			iEN	54 32				
			F	16 20 --				
876	21		e(L)EZ	18 51.0				Very small.
			F	19 10 --				
877	22	Ou	P	18 04 55				
			eE	12 27				
			F	56 --				
878	23	IIIr	P	5 24 29			2280	
			iS	28 17				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
878	23,VI		iL	5 30.9 ca.				
			F	6 55 --				
879	24	Iu	P'	6 19 27			160°	Dilatation
			iPP	23 58				Azi.: 38.7°
			ScPcS?	26 21				
			i_E	27 37				
			PPP_{NZ}	43				
			ScPcPcS	30 44				
			i_{EN}	34 48				
			SS_{EN}	44 07				
			SSS_{EZ}	50 57				
			F	10 20 --				
880	28	Iu	P	1 07 17			7545	Dilatation
			S_{EN}	16 21				
			M_Z	32 06	21			
			M_N	34 08	16			
			F	2 58 --				
881	29	IIr	iP	8 32 51			4235	Dilatation
			iPP	34 09				Azi.: 157.2°
			iPPP?	46				Epc.: 7.3 N, 139.7° E.
			i_{NZ}	35 47				
			iS	38 53				
			F	10 12?--				
882		Ir	eP?	12 42 13			4065	Probably after shock of 881.
			PP$_Z$	43 39				
			e(PPP)$_{NZ}$	44 06				
			iS?	48 05				
			F	13 40 --				
883			e_{EZ}	17 12 19				
			e_{EN}	16 20				
			eL?Z	20 54				
			M_E	23 53				
			F	51 --				

June 7, 1934

S. P. Loo,
Superintendent
(Absent, to be in C.I.T., Pasadena)
Pan Chia Lin,
Assistant in charge.

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_o	ξ	γ/T_o^2
Z	--	7.40	--	--
N	101.0	5.37	3.1	.0118
July 20E	99.5	4.96	3.6	.0146

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13,'34	Z	11.41	10.27	.001	511
June 29,'34	N	11.36	11.02	.007	717
June 12,'34	E	11.13	11.54	-.002	810

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
884	3,VII	Or	P	3 51 01			2035	condensation
			S_{EN}	54 29				
			eL_E	56 23				
			M_E	58 20	14			
			M_Z	4 01 22	11			
			M_N	25	11			
			F	36 --				
885	4		$(e)_Z$	2 02 29				Very small.
			F	4 12 --				
886	6		(e)	11 19 09				inevident
			i_N	39				
			F	45 --				
887		Iu	P_{EZ}	23 01 15			8935	dilatation
			S_E	11 23				N-comp. lost
			L_{EZ}	25.9				Epc.: 43°N, 126°W
			M_{1Z}	32 22	20			U.S.C.G.S.
			M_{1E}	33 30	15	7		
			M_{2E}	38 28	14	6		
			M_{2Z}	42	20			
	7		F	2 14 --				
888	8	Or	eP_{EZ}	14 12 02			2200	N-comp. lost
			eS_{EZ}	15 44				
			$eL?_{EZ}$	17 29				
			$(M)_{EZ}$	19.6				
			F	38 --				
889	10		$eL?_{EN}$	1 56.6				Trace of surface
			M_E	2 08 22	18			waves.
			M_N	12 50	20			
			F	45 --				
890			$(e)_{EN}$	11 17 11			1535	Very small.
			$e(S)_{EN}$	19 54				
			F	31 --				
891			eP	21 23 06			7855	Very small.
			$e(S)_{EN}$	32 24				
			F	22 28 --				
892	12	Ir	iP	9 56 32			2400	condensation
			iS	10 00 30				
			L_{EZ}	04.2				
			M_N	05 35	13			
			M_Z	06 20	15	11		
			M_E	20	14	8		
			F	12 02 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
893	12,VII	Ou	eP	14 33 53				~~Very distant quake.~~
			i_{EN}	37 15				
			M_E	57 14	17			
			M_N	59 30	19			
			M_Z	35	20			
			F	15 33 --				
894	16		(e)	9 18.2				Initial uncertain.
			F	10 03 --				
895			(e)	17 59 22				Trace
			i_{EN}	18 09 19				
			F	43 --				
896			$(e)_N$	22 27 45				Trace
			F	23 28 --				
897	18	IIIu	eP	1 52 23			130°ca.	
			P'	55 33				Epc.: 5°N, 84°W
			PP	57 45				U.S.C.G.S.
			ScPcP	58 58				Felt in Chiriqui
			PPP_{NZ}	2 00 32				R.F. IX-X (Press
			ScPcS	02 16				report)
			$ScPcPcS_N$	03 33				
			S?	05 46				
			$ScPcSP_{EN}$	07 44				
			PS_{EZ}	09 12				
			PPS_Z	10 42				
			SS_{EZ}	14 53				
			SSS?Z	19 43				
			L1E	32 04				
			L2?NZ	35.5 ca.				
			M_{1Z}	48 04	27	161		
			M_N	13	29	128		
			M_{2Z}	3 01 54	19	153		
			F	7 02 --				
898		Ou	eP	13 14 44			7545	
			$eS?_N$	23 48				
			eL_N	31 52				
			(M)	41.0				
			F	14 49 --				
899			$(M)_{EZ}$	17 06.1				Masked by micro.
			F overlapped by next quake.					
900		Iu	P	17 18 51				condensation
			i	21 00				Very distant quake.
			i_E	38 18				
			$L?_{EN}$	59 23				
			M_{1E}	18 12 02	23	24		
			M_{1N}	16 49	22	21		
			M_Z	17 03	22	34		
			M_{2E}	12	20	16		
			M_{2N}	21 57	20	20		
			F overlapped by next quake.					
901			eP	19 51 26			7790	
			iP	30			7700	condensation
			S_{EN}	20 00 41?				Epc.: 16°S, 168°E
								U.S.C.G.S.

No.	Date	Char.	Phase	G.M.T.	T_p	Amu	km.	Remark
901	18,VII		L_{EN}	20 08 21				After P from the Wiechert.
			M_N	17 28	24	1446		
			M_E	35	25	1172		Galitzin records
			F overlapped by	next	quake			Main phases, outof limit on both sides.
902	19	Iu	P	0 17 58			7700	dilatation
			iS	27 09				Azi.: 126.5°
			L	32.7				Epc.: 11.4°S, 166°E
			F overlapped by	next	quake			
903			iP	1 35 33			4635	condensation
			S	41 58				After P from the Wiechert.
			L	45 26				
			F overlapped by	next	quake			
904		Ou	$eP?_Z$	3 16 24			7990	
			$e(S)_Z$	25 49				
			F overlapped by	next	quake			
905		Ou	eP	5 05 48			7590	
			eS	14 54				
			F overlapped by	next	quake			
906		Iu	iP	5 56 34			7990	condensation
			iS_{EN}	6 05 50				Azi.: 115.5°
			L	13.8				Epc.: 6.5°S, 176°E
			M_{1N}	21 56				
			M_E	25 09	19			
			M_{2N}	28 35	17			
			F overlapped by	next	quake			
907		IIu	iP	7 48 10			7810	condensation
			iS_N	57 26				Azi.: 123.7°
			iS_{EZ}	28				Epc.: 10.5°S, 169°E
			L?	8 03.3				
			i_Z	05 53				
			M_{1N}	10 13	16	15		
			M_{1E}	17	13	8		
			M_{2N}	14 28	17	19		
			M_{1Z}	20 45	18	35		
			M_{3N}	57	18	30		
			M_{2Z}	25 05	17	25		
			M_{3E}	25	17	14		
			F	11 2[illegible] --				
908		Ou	e(P)	23 08 59			7765	
			$e(S)_{EN}$	18 13				
			i_E	19 08				
	20		F	0 14 --				
909		Iu	P	2 19 29			5320	condensation
			eS	26 32				
			eL_{EN}	33 01				
			M_E	39 13	21			
			M_N	40	20			
			M_Z	40 13	20			
			F	3 ? --				
910		Ou	eP?	4 03 48			7635	
			S_{EN}	12 56				
			F	5 16 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
911	20,VII	Ou	(e)	13 15 00			7635	
			eS_{EN}	24 08				
			F	14 10 --				
912		Ou	P	16 59 31			7700	dilatation
			eS_{EN}	17 08 42				
			F	51 --				
913		Iu	eP?	18 21 25			7500	
			eS_N	30 27				
			$eL?_N$	38 07				
			F overlapped by next quake.					
914		Iu	P_Z	18 59 48			7680	dilatation
			iS_{EN}	19 08 58				
			$eL?_{EN}$	15.7				
			M_N	23 38	18			
			M_Z	28 08	16			
			M_E	12	16			
			F	22 19 --				
915	21	Ir	eP	4 42 45			2655	
			S_{EN}	47 04				
			L_E	49 57				
			M_E	52 03	16			
			M_Z	55 22	10			
			M_N	56 05	12			
			F	5 30 --				
916		IIIu	iP	6 29 21			7500	dilatation
			S?N	38 23				Azi.: 120.3°
			M_{1Z}	57(16)	17	133		Epc.: 6.3°S, 169.5°E
			M_{2Z}	7 03(16)	17	145		L, undistinguishable
			F overlapped by next quake.					
917		Iu	eP	10 58 18				Felt in Armuelle R.F. IX-X (Press report)
			i	11 00 22				
			i_{EZ}	01 36				
			i_N	39				
			i_E	08 44				
			i_N	13 22				
			i_E	59				
			i_E	17 03				
			L	37.5 ca.				
			M_{1E}	48 01	25	30		
			M_{1Z}	50 53	24	26		
			M_{2E}	53	24	31		
			M_{1N}	51 39	24	20		
			M_{3E}	55 29	20	27		
			M_{2N}	57 54	20	28		
			M_{2Z}	58 10	20	31		
			F	14 12 --				
918			(e)	20 22 41			7190	Very small
			eS_N	31 29				
			F	21 35 --				
919	22	Ov	eP	18 46 20			1765	
			eS	49 25				
			eL	51.7				

No.	Date	Char.	Phase	G.M.T.	Tp	Amu	km.	Remark
919	22,VII		M	18 55.4	9			
			F	19 30 --				
920		Ir	P	20 03 32			3510	dilatation
			PP	04 23				
			i	52				
			S_{NZ}	08 49				
			i_N	10 19				
			i_N	55				
			L_Z	11 14				
			M_Z	16 32	8	10		
			M_E	36	8	6		
			F	21 27 --				
921	23		eL?$_E$	19 21 22				Trace of surface waves.
922	25	Iv	eP	11 45 07			1235	
			eS?	47 22				
			i	41				
			F	12 05 --				
923	27	Ou	eP	12 36 50			7700	
			S_N	46 01				
			S_E	09				
			eL	54.1				
			F	14 09 --				
924	28	Ir	eP	2 12 27?			3180	Time mark lost.
			eS?$_{EN}$	17 23				
			eL$_{EN}$	21 19				
			M_E	25 43	10			
			F	3 ? --				
925		IIIu	iP$_{EZ}$	21 46 43			6180	condensation N-comp. lost
			i_{EZ}	48 40				
			iS$_{EZ}$	54 34				
			i_E	56 30				
			i_E	59 34				
			L_{1E}	22 00 14				
			L_{2Z}	04 39				
			M_{1E}	07 21	24	61		
			M_{2E}	11 18	18	62		
			M_{1Z}	12 44	20	72		
			M_{2Z}	16 20	15	46		
			M_{3E}	17	15	46		
	29		F	1 29 --				
926	31	Ir	iP	6 04 03			2710	condensation Azi.: 159.5° Epc.: 17°N, 125°E
			S	08 26				
			L_N	13 00				
			M_Z	15 11	18			
			F	7 13 --				
927		Or	eP	11 06 27			4310	
			e(S)$_E$	12 34				
			F	39 --				
928		Ir	iP	11 56 59			3990	condensation Azi.: 210.5° Epc.: 7.8°N, 98.6°E
			eS	12 02 46				
			F	56 --				

Aug. 8, 1934

S. P. Lee, superintendent
Pan Chia Lin, Assistant in charge.

The Chiufeng Seismic Station of the Geological Survey of China beg to acknowledge with thanks the receipt of the following Bulletins and publications, from May to July 1934.

Ottawa	Seis. Bulletin: Feb.-April 1934 Surface-reflected waves of shallow focus Earthquakes by E. A. Hodgson.
Instituto Geográfico y Catastral	Servicio Sismo.: Jan.-April 1933.
Vladivostok	Seis. Bulletin: July-Dec. 1933, Jan.-June 1934. Bulletin Des Stations De I-E Classe Du Réseau Séismique De L'urss July-Dec. 1933.
Nanking	Seis. Bulletin: Oct.-Dec. 1933 & Jan.-March 1934.
Wellington	Prel. Report: Feb.-April 1934, Seis. Report: Jan.-June 1933 & Report of the Dominion Astronomer and Seismologist for the year ended 31st Dec. 1932.
Apia	Seis. Bulletin: Jan.-March 1934.
Jena	Veröffentlichungen der R. E. in Jena, Heft 22, Seismische Registrierungen 1933. Veröffentlichungen der R. E. in Jena, Heft 16a, Die Ausbreitung von Erdbebenwellen in grossen Herdentfernungen bei dem Südseebeben vom 26. Juni 1924. by G. Krumbach. Veröffentlichungen der R. E. in Jena, Heft 16b, Die instrumentellen Aufzeichnungen des Erdbeben vom 26. Juni 1924. by G. Krumbach.
Manila	Prel. Bulletin: March-May 1934, & Special Bulletin: April-June 1934.
Koti	Seis. Bulletin: March 1934.
Zikawei	Seis. Bulletin: No. 6-9 1934.
Hawaii	The Volcano Letter: Feb.-March 1934.
Fordham	Seis. Bulletin: Jan.-May 1934.
Melbourne	Seis. Bulletin: Jan.-March 1934.
Karlaruhe	Seis. Bulletin: July-Dec. 1933.
Leningrad	Seis. Bulletin: July-Dec. 1933.
Osaka	Seis. Bulletin: Jan.-March 1933 (Printed) Seis. Bulletin: Mar.-May 1934 (Mimeo.)
La Paz	Seis. Bulletin: Aug.-Dec. 1933.
Lund	Seis. Bulletin: 1929-1930.
Kew	Seis. Bulletin: Mar.-May 1934.
J.S.A.	Supplementary Bulletin: No. 1-10 1934.
Florissant	Seis. Bulletin: Nov.-Dec. 1933 & Jan.-March 1934.
Pasadena	Seis. Bulletin: Mar.-April 1934.
Copenhagen	Seis. Bulletin: Oct.-Dec. 1931 & Jan.-Sept. 1932.
Universidad de Chile	Seis. Bulletin: No. XXIV 1932.
Riverview	Seis. Bulletin: March-May 1934.
Hukuoka	Seis. Bulletin: Vol. IV 1933 (Printed)
Hongkong	Seis. Bulletin: March-May 1934.
Georgetown	Seis. Bulletin: April-May 1934.
Uni. Tokyo	Japanese Journal of Astronomy and Geophysics Vol. XI. No. 3. A new Volcano off the East Coast of Alaid Island. by A. Imamura & Z. Kawase. Futher notes on the Northward movement of crustal Deformation along the Western Boundary of the Kwanto Plain with special reference to the Block movement responsible for the disaitrous Earthquake of Sept. 21, 1931. by A. Imamura. Chronic Movements of a Minor Crustal Block as Revealed by the Revision of a Levelling line into one with Closely-spaced Beach-Marks. by A. Imamura.
Tyosen	Prel. report of Seismic Observation Jan.-April, '34. Annual report of the Meteorological Observatory of the Government-General of Tyosen year. 1932.
Zagreb	Seis. Bulletin: July-Dec. 1933.
Batavia	Seis. Bulletin: Jan.-March 1934.
St. Louis	A Preliminary table of Observed travel times of earthquake waves for distances between 10° to 180° Applicable only to Normal earthquakes.

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_o	ε	γ/T_o^2		Galitzin-Wilip		T_1	T	μ^2	$kA/\pi l$
	Z	---	7.31	---	---	May 13, '34		Z	11.41	10.27	.001	511
	N	105.3	5.34	3.3	.013	June 29, '34		N	11.36	11.02	.007	717
Aug.	15E	106.2	4.89	3.2	.014	June 12, '34		E	11.13	11.54	-.002	810

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
929	2,VIII	Ou	iP	7 03 35			5210	dilatation
			eS?EN	10 32				Azi.: 137°
			F overlapped by next quake.					
930		Iu	eP	7 23 07				In main phase of
			S_N	31 05			6300	929.
			S_{EZ}	09			6380	
			i_N	45 07				
			i_Z	18				
			$(M)_E$	51 20	14			
			F	8 25 ---				
931			(e)	11 05 30				Trace
			eEN	15 58				
			F	12 00 ---				
932	3		eP	9 39 16				Small
			$(M)_E$	46 57	17			
			F	10 05 ---				
933	4	Iu	P	13 17 09			5245	condensation
			eS?NZ	24 08				Azi.: 128.7°
			eS?E	11				Epc.: 5°N, 151.2°E
			i_E	28 43				
			eL	32.5				
			M_E	35 18	21			
			M_N	36 05	19			
			M_Z	21	22			
			F	14 56 ---				
934	7	IIu	iP	3 51 25			7700	condensation
			i_{EN}	53 54				Azi.: 150.4°
			i_E	55 52				Epc.: 23°S, 146°E
			iS	4 00 36				
			SS?	05 16				
			SSS?	08 42				
			L?EN	12.3				
			L_Z	13 14				
			M_N	17 54	22	43		
			M_E	59	22	43		
			M_Z	18 00	22	82		
			F	7 20 ---				
935		Ir	eP	11 54 51			2390	Masked by micro.
			S	58 48				In hour mark.
			iL	12 01.0				
			F	13 20 ---				
936	9		e(L)?Z	6 21 31				
			$(M)_{NZ}$	25.1				
			F	46 ---				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mx}	km.	Remark
937	9,VIII	Ou	e(P)	13 22 46			6165	
			eS_{EN}	30 36				
			F	14 22 --				
938		Ou	eP	19 43 35			6090	
			eS_{EN}	51 21				
			e_Z	20 04 22				
			F	21 12 --				
939	10		(e)	22 47.6				
			$e(L)_E$	52 05				
			F	23 46 --				
940	11	IIIv	eP	8 22 10			1700	Z-comp. light faint.
			P	14			1660	Main phases amp.
			i_{EN}	23 39				large, record faint.
			S_{EN}	25 09				
			F	10 17 --				
941		Iu	P	12 07 21			6155	condensation
			iS_{EN}	15 10				Azi.: 129.8°
			PS	40				Epc.: 2°S, 155°E
			SS_E	18 39				
			iL_E	24 35				
			eL	52				
			M_N	32 26	16			
			M_E	35 04	16			
			F	14 15 --				
942	12		(e)	1 39 27				Small, local
			F	51 --				
943			(e)	13 52.0				Initial uncertain.
			i_{EN}	14 05 07				
			F	15 11 --				
944		IIr	P_{EN}	23 55 53			3480	Z-comp. lost
			i_N	59 26				
	13		iS_N	00 01 08				
			L_N	04 20				
			F	03 05 --				
945		Or	eP_{EZ}	10 29 17			2755	
			eS_{EN}	33 43				
			F overlapped by next quake.					
946		Ou	eP	10 49 22			6080	
			iS_{EN}	57 07				
			F	11 48 --				
947	14	Ou	eP_{EN}	9 01 28			8835	Z-comp. lost
			P_{EN}	32			8735	
			eS_{EN}	11 32				
			F	10 30 --				
948	18	Iv	P	2 42 37			1345	dilatation
			S	46 01				
			L	46.9				
			M_N	48 24	15	11		
			M_{1Z}	50 01	11			

No.	Date	Char.	Phase	G.M.T.	Tp	Amp.	km.	Remark
948	18,VIII		M_{1E}	2 50 04	12			
			M_{2Z}	51 39	10			
			M_{2E}	56	10	5		
			F	4 08 --				
949	21		$(e)_{EN}$	9 48 59				Initial uncertain.
			e_{EN}	58 19				
			F	11 11 --				
950		Ir	eP_{EN}	19 34 16			4620	Z-comp. lost
			S_{EN}	40 40				
			eL_{EN}	46.6				
			M_{1N}	53 37	13	7		
			M_E	54 37	15	16		
			M_{2N}	56 45	14	13		
			F	21 36 --				
951	22	Ou	$(e)_{EN}$	0 46 49			5900	Uncertain
			$eS?_E$	54 24				
			F	1 31 --				
952		Iv	$eP?_{EN}$	6 49 32			1555	
			$eL(S)_{EN}$	52 17				
			(M)	53 31				
			F	7 30 --				
953		Ir	$(e)_{EN}$	10 35 39			2365	
			eS_{EN}	39 34				
			eL_{EN}	41.8				
			i_{EN}	42 12				
			F	11 16 --				
954		Or	$(e)_{EN}$	18 46 44			4310	In minute mark.
			$eS?_E$	51 51				
			F	20 00 --				
955	23	Ir	$(e)_{EN}$	22 38 53			2545	
			$eS?_E$	43 03				
			eL_{EN}	46.1				
			M_E	48 29	14			
			F overlapped by next quake.					
956		Iu	eP_{EN}	23 41 43			7790	
			eS_E	50 58				
			S_N	51 02				
			F overlapped by next quake.					
957		Iu	O	23 49 22				
	24		P_{EN}	0 00 08			7745	
			S_{EN}	09 21				
			i_E	17 31				
			i_N	37				
			M_N	27 10	18			
			M_{1E}	30 27	19			
			M_{2N}	36 41	17			
			F	2 50 --				
958			(e)	23 26 03				Uncertain
			F	0 43 --				

No.	Date	Char.	Phase	G.M.T.	T_P	A_{mu}	km.	Remark
959	26,VIII		$(e)_{EN}$	8 25 47?				Uncertain
			F	9 11 --				
960		Or	eP_{EN}	9 23 42			2545	Z-comp. clock-work stopped frequently during above quakes.
			$eS?_{EN}$	27 52				
			M_E	32 35	16			
			F	10 15?--				
961	28	Ov	eP	18 29 07				Z-comp. resumed good order, 28d 1h.
			M_{NZ}	38.5	12			
			F	19 09 --				
962	31	IIu	iP	5 13 42			7365	condensation Azi.: 25.6
			iS_{EN}	22 38				
			$SS?_E$	26 57				
			L_E	34 40				
			M_E	47 25	14	18		
			M_N	48 21	14	15		
			F	7 40 --				
963		IIIr	eP	15 04 33			3790	In minute mark.
			S_E	10 07			3845	
			S_{NZ}	11				
			M	21ca.				Main phases amp. large, record faint
			F	16 40 --				

September 5, 1934

S. P. Lee
Superintendent.
(Absent, to be in Pasadena)
Pan Chia Lin
Assistant in Charge.

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert		V	T_0	ε	γ/T_0^2
	Z	--	--	--	--
	N	97.7	5.54	3.3	.0123
Sept. 14	E	96.2	5.34	3.4	.0147

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13,'34	Z	11.41	10.27	.001	511
June 29,'34	N	11.36	11.02	.007	717
June 12,'34	E	11.13	11.54	.002	810

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
964	1, IX	Ov	eP	6 59 02			1555	Deep focus type.
			eS	7 01 47				
			F overlapped by undecipherable quake.					
965			e	12 50 16				Trace of surface waves.
			F	13 33 --				
966	2		eL?	9 59.2				Trace of surface waves.
			F	10 17 --				
967		Ou	eP	11 32 52			5520	
			eS_{EN}	40 06				
			F	12 15 --				
968	3		eM	10 39.4				Preliminary waves inevident.
			F	11 07 --				
969	4	Cu	P	16 46 48			8890	dilatation
			S_{EN}	56 54				
			M_Z	17 18 55	21			
			F	18 06 --				
970	6	Or	iP_{NZ}	2 23 23			3510	condensation Main phases inevident.
			iS_E	28 40				
			F lost in micro.					
971	8		$(e)_Z$	6 59 45				Masked by micro.
			F	7 28 --				
972		Ou	eP_{EZ}	11 27 01			9535	N-component totally inevident. Main phases amplitude smaller than preliminary phases.
			S_E	37 36				
			F	12 35 --				
973	11	Iu	eP	8 21 11			4245	
			$e(S)_{EN}$	27 14				
			i_E	30 23				
			F	9 27 --				
974	12	IIv	e_E	14 27 06			2000	
			eP_{EZ}	39			1635	
			S	30 31				
			eL	33.4				
			M_N	36 37	13	24		
			M_Z	37 31	13	48		
			M_E	43	13	33		
			F overlapped by the next quake.					
975		Ir	eP	15 39 29				
			M	46.7	12			
			F	16 10 --				
976		Iv	eP	17 46 19			1880	

No.	Date	Char.	Phase	G.M.T.	T_p	A_{max}	km.	Remark
976	12,IX	Iv	eS_N	17 49 34				
			eL_{EN}	51.2				
			M_N	53 [illegible]	11	6		
			M_Z	39	12			
			M_E	39	12	12		
			F	18 36 --				
977			M	22 48.9				
			F	23 18 --				
978	13	Iv	eP	3 08 27			1820	
			eS_N	11 37				
			eL_N	13 59				
			M_N	15 34	12			
			M_Z	37	13	9		
			M_E	40	12	5		
			F	51 --				
979		Ir	(e)	10 19 56				
			M	27.2	12			
			F	45 --				
980		Ir	eP	14 21 44			1845	
			eS_N	24 56				
			eL_{EN}	26 31				
			M_N	27 47	14	8		
			M_E	28 56	12	11		
			M_Z	29 03	12	21		
			F	15 07 --				
981		Ir	(e)	22 59 21				Beginning of a swarm of small quakes lasting till 21d. Many undecipherable ones.
			M	23 06.4				
			F	24 --				
982	14	O	e_Z	4 12 58				
			e_{EN}	13 06				
			M	20.2				
			F	42 --				
983		I	e_Z	9 27 34				
			M	35.2	12			
			F	10 01 --				
984			M	12 43.8	12			Very small amplitude.
			F	53 --				
985		Ir	e_{EZ}	15 14 55				Initial uncertain.
			L	19 40				
			M	21.9	12			
			F	55 --				
986	15	O	eP_{EZ}	0 07 28				
			i_N	16 54				
			i_E	17 40				
			F	1 08 --				
987			M_{EZ}	2 54.8				
			F	3 07 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
988	15,IX	Iu	(e)	7 15 46				Uncertain
			M_{NZ}	8 09.3	13			
			M_{NZ}	12.3	17			
			F	9 15 --				
989			(e)	13 12 09				Uncertain
			M	19.4	12			
			F	38 --				
990			eM_{EZ}	23 31.5				
			F	41 --				
991	16	IIv	P	13 18 54			1655	condensation
			eS?Z	21 43				
			L	23.6				
			M_N	25 01	13	16		
			M_Z	58	13	30		
			M_E	26 02	13	24		
			F	14 05 --				
992			e	19 15 09				Initial uncertain
			M	22.0	12			
			F	40 --				
993	17		M	1 47.9				
			F	58 --				
994			M	13 50.6				
			F	14 04 --				
995	18		M_{EZ}	11 21.1				
			F	38 --				
996			M	18 35.4				
			F	47 --				
997	21	Ir	P_{NZ}	12 46 37			4290	
			S_{NZ}	52 43				
			iS_E	48				iS_E amplitude very large.
			F	14 39 --				
998			$(e)_{NZ}$	18 06 36				Small, local
			i_E	07 10				
			i_{NZ}	12				
			F	19 --				21d 11h-23d 11h. recording troubled.
999	24		e_{EZ}	10 42 40				Trace
			$i(M)_N$	54 05				
			F	11 42 --				
1000	25	Iu	iP	19 23 59			53.7°	condensation
			pP	24 21				Deep focus type.
			i	27 48				Azi.: 136°? in min
			S_{EN}	31 [illegible]				mark.
			i_{EN}	33 08				
			S	32				
			eL_E	36 [illegible]				
			F	20 42 --				
1001	26		$(e)_{EZ}$	1 13 52				Trace
			F	50 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
1002	26,IX	Ou	(e)	7 48 28				Very distant quak
			e(I.)	8 35.2				
			F	9 27 --				
1003	27	Ov	$(e)_E$	23 04 17				Initial uncertain.
			i_{NZ}	07 34				
			F	27 --				

October 5, 1934

S. P. Lee, Superintendent
(Absent, in Pasadena)

Pan Chia Lin, Assistant in Charge.

The Chiufeng Seismic Station of the Geological Survey of China beg to acknowledge with thanks the receipt of the following Bulletins and publications, from August to September 1934.

Göttingen	Seis. Bulletin, Oct.-Dec. 1933, Jan.-Juni 1934
Honolulu	The Volcano Letter, April-May 1934
Zikawei	Seis. Bulletin, No. 10-13 1934
	Principaux Séismogrammes, 1932, 2 sheets.
Georgetown	Seis. Bulletin, June to July 1934
Osaka	Seis. Bulletin, May-August 1934
	Seis. Bulletin, April-June 1933 (Reprinted)
Manila	Seis. Bulletin, June-July 1934 & Special Bulletin, July-August 1934, Seis. Bulletin, for 1933, July-Dec. (Reprin.
Pasadena	Seis. Bulletin, May-June 1933, & April-May 1934
Instituto Geográfico y Catastral	Serv. Sismológico, May-June 1933
Ottawa	Seis. Bulletin, May-June 1934
Strasbourg	Seis. Bulletin, April-May 1934
Stuttgart	Seis. Bulletin, 1933
U.S.C.G.S.	Seis. Report, July-Sept. 1933
d'Upsala	Observation Séismographiques, 1932 & 1933
Wellington	Seis. Report, July-Dec. 1933, & Prel. Bulletin, May-July 1934, "Earthquakes: The Futility of Predilting them." by R.W. De Montalk.
Riverview	Seis. Bulletin, June-July 1934
Cartuja	Boletin Mensual, April-June 1933
Hongkong	Seis. Bulletin, June-July 1934 & Meteor. Report June,'34
J. S. A.	Prel. Bulletin, No. 11-27 1934
Denver	Seis. Bulletin, Nov.-Dec. 1933 & Jan.-March 1934
Parc St. Maur	Seis. Bulletin, May 1934
Ebre	Boletin Mensual, Vol. XXIV No. 7-8-9 1933
Tyosen	Prel. Report, May-June 1934
Kew	Seis. Bulletin, June 1934
Ucele	Seis. Bulletin, Jan.-May 1934
Florissant	Seis. Bulletin, Feb. 1934
St. Louis	Seis. Bulletin, Dec. 1933, & Jan.-Feb. 1934
Little Rock	Seis. Bulletin, Nov.-Dec. 1933 & Jan.-March 1934
Kobe	Seis. Bulletin, Vol. IX, No. 2-3, 1933
Melbourne	Seis. Bulletin, March-June 1934
Madagascar	Seis. Bulletin, Dec. 1933 & Jan.-Feb. 1934
La Plata	Boletin Seismologico, Jan.-June 1934 L
Taihoku	Seis. Bulletin, Aug. 1934 & Prel. Bulletin, March 1934
La Paz	Bullitin Seismique, Jan.-July, 1933, pp. 1-22
Apia	Seis. Bulletin, April-June, 1934
Batavia	Seis. Bulletin, April-June 1934

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_o	ε	γ/T_o^2
Z	--	--	--	--
N	104.8	5.36	3.3	.016
Oct. 17 E	99.8	5.34	3.2	.013

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13?'34	Z	11.41	10.27	.001	511
June 29,'34	N	11.36	11.02	.007	717
June 12,'34	E	11.13	11.54	-.002	810

October, 1934 37

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
1004	4,X		eEZ	8 05 42				
			eLEZ	22 07				
			F	45 --				
1005	5	IIr	iPEZ	20 30 32			2245	N-comp. driving clock stopped.
			SEZ	34 17				
			LEZ	36.7				
			MZ	39 37	15	39		
			ME	44	15	34		
			F	21 30 --				
1006	6		eLEZ	1 56.2				Masked by micro.
			F	2 05 --				
1007			eLE	13 50 29				Trace of surface waves.
			F overlapped by next quake.					
1008		Iv	PNZ	14 11 22			570ca.	Local shock.
			P*EZ	35				
			PEZ	47				
			SEZ	12 20				
			S*EZ	40				
			SEZ	53				
			F	26 --				
1009	10	IIu	iP	15 53 58			73°	dilatation
			pP	54 45				Deep focus.
			PP?	55 59				Azi.; 114.6°
			iS	16 03 33				Amp., E-comp. 8.5cm.
			L?E	11 51				
			ME	17 34	20	21		
			F	17 45 --				
1010	15	IIIv	eP?Z	8 20 49			1290	Initial uncertain
			eP?EN	51				
			eSNZ	23 09				
			LEN	57				
			ME	24.3ca.				M-phases faint, E-comp. amplitude 8 cm.
			F	9 25 --				
1011	18	Iu	P	7 59 25			7435	dilatation
			iSEN	8 08 24				
			(S)Z	50				
			SSE	12 18				
			LEN	17 04				
			M1EZ	30.8	20			
			M1N	31 06	18			
			M2	34.6	17			
			F	11 09 --				
1012	19	Ov	(e)E	12 03 27				NZ-comp. faint.
			ME	09 41	12			

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mm}	km.	Remark
1013	19,X	Ir	ePEN	21 04 06			2920	Galitzin recordin stopped, 20d-3h to 23d 4h,,for determination of constants.
			eSEN	08 44				
			iE	09 15				
			ME	15 27	13	6		
			MN	16 16	10			
			F	22 13 --				
								N-S E-W
								T_1 11.42 11.3
								T_2 10.97 12.3
								μ^2 .009 .01
								kA/ml 681 795
1014	23	Or	(e)EZ	22 28 23			2335	
			eSEZ	32 15				
			MEZ	35.8				
			F	30 --				
1015	25	Or	(e)NZ	1 41 47				Disturbed by high microseisms.
			M	46.2				
			F	56 --				
1016	26	Ir	P	14 52 10			4210	dilatation
			PPNZ	53 28				
			PPPNZ	59				
			PcPNZ	55 02				
			SEZ	58 11				
			iSN	15				
			F	15 52 --				
1017		IIIv	iP	17 15 02			1800	dilatation
			S	18 10				Azi.: 121°
			MN	23 15	14	77		Epc.: 30.5°N, 132°E
			F	19 00 --				E phases EZ-comp., faint.
1018		Ov	eEZ	20 55 01			1880	Initial uncertain
			eSZ	58 16				
			M	21 02.7				
			F	11 --				
1019	27		e(L)?	11 03.9				A group of shollow waves.
			F	12 10 --				
1020	28	Iv	iP	23 40 16			1945	condensation
			S	43 37				Azi.: 156.8°
			eL?	45.6				Epc.: 24°N, 124°E
			F	0 35 --				
1021	29	Iu	P	16 24 42			5555	condensation
			eS	31 58				
			M1NZ	44.6	12			
			M2EN	47.2	12			
			M	48 43	12			
			F overlapped by next quake.					
1022		Ov	P	17 27 03			1920	condensation, In minute eclipse.
			SEN	30 22				
			SZ	27				
			F	56 --				
1023	30	Or	ePNZ	20 59 41			3320	
			SEZ	21 04 48				
			F	43 --				

November, 8, 1934

S. P. Lee,
Superintendent
Pan Chia Lin, Assistant in Charge

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_o	ε	γ/T_o^2		Galitzin-Wilip	T_1	T	μ^2	kA/πl
Z	--	--	--	--	May 13,'34	Z	11.41	10.27	.001	511
N	103.8	5.33	3.2	.0123	Oct. 22,'34	N	11.42	10.97	.009	681
Nov. 16 E	99.0	5.29	3.2	.0129	Oct. 23,'34	E	11.20	12.30	.011	795

November, 1934 39

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
1024	2,XI	Ov	eP?	15 25 01				Initial uncertain
			eL_{EN}	27 58				
			(M $_{E}$	30 27	7			
			F	41 --				
1025	4	Iu	eP	2 06 09			83°	Deep focus type.
			PcP	27				
			pP_{EZ}	56				
			sP	07 08				
			PP_Z	09 10				
			S_E	16 18				
			S_N	21				
			ScS	17 10				
			sS_{EN}	18 14				
			SS_{EZ}	21 40				
			L_{EN}	26.9				
			F lost.					
1026		Iu	iP_{EN}	3 37 02				Change of paper, Initial lost.
			i	51				
			iSS? $_{EN}$	42 27				May be an after shock of 1025?
			iSSS?	45 51				
			L_{EN}	48.4				
			F	6 24 --				
1027	5	Or	eP_{EN}	5 11 04			2500	
			$eS?_{EN}$	15 05				
			F	6 28 --				
1028		IIu	iP_{NZ}	23 10 57			5200	condensation
			iS_{NZ}	17 47				E-comp. light to weak.
			L_{NZ}	24.8				
			M_Z	31 27	19	27		Epc.: 52°N, 176°W (U.S.C.G.S.)
			M_N	53	19	19		
			F	1 14 --				
1029	8	Ir	eP	3 29 53			2044	
			S_N	33 14				
			S_{EZ}	17				
			M_N	37 43	10			
			M_{EZ}	38.6	11			
			F	4 03 --				
1030	9	Iu	eP_{EZ}	3 38 10			9466	
			S_E	48 41				
			i_{EN}	49 01				
			F	58 --				
1031		Iu	iP	4 11 33			9189	condensation
			iS_{EN}	21 51				
			F	52 --				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
1032	11,XI	Ov	eP_{EZ}	21 21 12			1933	N-comp. lost.
			$e(S)_{EZ}$	24 23				
			F	45 --				
1033	12	Iu	eP_{EZ}	7 29 08			6300	Initial uncertain.
			S_{EN}	37 00				
			M_E	54 01	13			
			M_N	17	15			
			F	8 55 --				
1034		Or	eP	23 29 34			2300	
			$e(S)_{NZ}$	33 18				
			F overlapped by next quake.					
1035		Iv	eP	23 35 16			230	Local shock.
			$\underline{P}^*_{EN}$	20				
			iP	30				
			iS_{EN}	40				
			M_E	36 58	8			
			M_Z	37 49	7			
			F	58 --				
1036	15	O	M_N	23 34 59	7			Time mark lost.
			F	0 05 --				
1037	16	Ou	eP_Z	12 15 30			9488	
			$eS?_{EN}$	23 02				
			M_E	34 48	16			
			F	59 --				
1038		Iu	eP	13 52 26			5756	
			eS	59 47				
			L_{NZ}	14 07.9				
			M_E	08 48	17			
			M_{1Z}	11 44	18			
			M_{2Z}	18 12	16			
			F	15 36 --				
1039	18	Ir	P	3 28 03			3634	condensation
			i_{EZ}	44				
			$iPcP_{EZ}$	30 12				
			S_{EZ}	33 23				
			iSS	35 40				
			M_{EZ}	39.7				
			F	4 52 --				
1040		Ir	P	9 25 05			3466	condensation
			i	26 26				
			i_Z	54				
			eS_E	30 15				
			L	34.1				
			M_E	40 29	15	7		
			M_Z	31	15			
			F	10 17 --				
1041		Iu	iP	22 49 51			8967	condensation
			S_E	57 24				Epc.: 3°N, 159°E
			PS	57				
			L	23 04.5				
			M_Z	09 44				
			M_E	10 12	20	[illegible]		
			F	0 13 --				

No.	Date	Char.	Phase	G.M.T.	T_p	Amu	km.	Remark
1042	22,XI	Ov	eP	22 29 09				
			e	30 51				
			i	33 53				
			F	58 --				
1043	23	Iv	$\overline{P}$	17 19 27			110	Local shock.
			$\overline{S}_N$	38				
			F	35 --				
1044	24	Ou	(e)	12 52 04				Initial uncertain.
			S_{EN}	58 36				A very distant quake.
			F	14 00?--				
1045	26	IIr	iP_{EN}	12 14 46			2790	Z-comp. clockwork stopped.
			$PP?_N$	15 14				Press report:
			PcP_{EN}	18 16				Felt in Manila,
			S_{EN}	19 10				R.F.V-VI.
			L_{EN}	44				
			SS_{EN}	20 12				
			iM_E	22 25	12			
			F	13 46 --				
1046	27	Or	P	1 20 19			3020	condensation
			S_{EN}	25 00				
			F	2 21 --				
1047		IIr	iP	6 21 41			2922	dilatation
			i_{EN}	22 01				Epc.: 18°N, 129°E
			PP_{EN}	14				
			PPP_{EN}	43				
			S_{EN}	26 15				
			L	27.2				
			M_E	36 25	12	9		
			M_Z	32	12	9		
			F	7 57 --				
1048	30	IIu	P	2 24 24			6067	dilatation
			PcP	25 01				
			PR_1	27 08				
			$PR_2?_N$	28 46				
			$PR_3?_{EN}$	30 15				
			iS	33 48				
			PS	34 22				
			$\overline{ScPcS_E}$	54				
			i_E	37 35				
			SS_{EN}	39 51				
			L_{EZ}	43.7				
			M_{1E}	3 19 34	18	19		
			M_{1Z}	47	15	11		
			M_{1N}	58	16	14		
			M_{2Z}	21 57	18	20		
			M_{2E}	22 10	16	14		
			M_{2N}	23 51	16	9		
			M_{3E}	25 16	16	13		
			M_{3Z}	21	17	14		
			F	4 47 --				

H. Jeffreys: "The Tables of Times of Transmission of P and S Waves" (1932) is used for distance determination from this Bulletin on.

S. P. Lee, (Absent)
Superintendent

Pan Chia Lin,
Assistant in charge,

December 8, 1934

Pei-An-Ho, W. of Peiping, China
λ: 116° 5' 44"; φ: 40°3' 55"
h: 115m; Foundation: Granite

THE CHIUFENG SEISMIC STATION
of the
GEOLOGICAL SURVEY OF CHINA

Instruments: 200 kg. horiz., 80 kg. vert. Weichert; Galitzin-Wilip.

Weichert	V	T_o	ε	γ/T_o^2
Z	--	--	--	--
N	95.0	5.33	4.0	.008
Dec. 20E	95.8	5.12	3.8	.008

Galitzin-Wilip		T_1	T	μ^2	kA/πl
May 13, '34	Z	11.41	10.27	.001	51[illegible]
Oct. 22, '34	N	11.42	10.97	.009	681
Oct. 23, '34	E	11.20	12.30	.011	795

No.	Date	Char.	Phase	G. M. T. h m s	T_p s	A μ	Δ km	Remark
1049	3,XII		eL_E	3 33 39				Masked by heavy microseisms.
			$(M)_E$	47 44				
			F	4 37 --				
1050	4	Iu	$eP'?_Z$	17 44 28				Phases masked by microseisms. Epc.: 19°N, 70°W (U.S.C.G.S.)
			i_Z	48 35				
			i_E	18 08 20				
			eL	45.1				
			F	19 40 --				
1051	5	Ou	$(L)_{EZ}$	19 27.6				A train of shall[illegible] waves.
			F	46 --				
1052		Iv	eP	19 54 12			200ca.	PZ masked by micr[illegible] Local shock.
			P^*_N	19				
			$\overline{P}$	25				
			$\overline{S}_E$	54				
			M_{NZ}	56.9	7			
			F	20 04 --				
1053	7		e(L)[illegible]	8 33 40				A group of shall[illegible] waves.
			M	26.8				
			F	38 --				
1054			L_E	10 51 34				Trace of surfac[illegible] waves.
			M	55.2				
			F	11 03 --				
1055		Ou	eP_{EZ}	11 21 48			9190	
			S?	32 06				
			F	12 05 --				
1056	8		$e(L)_E$	10 37 27				A group of shall[illegible] waves.
			F	11 09 --				
1057	9	Ou	e_{NZ}	11 27 44				
			e_N	34 21				
			$e(L)_N$	43.9				
			M	49.9				
			F	12 28 --				
1058			M	22 29.4				
			F	56 --				
1059	10	Or	eP	10 04 03			3900	
			i_{NZ}	32				
			i_{NZ}	05 41				
			$S?_Z$	09 39				
			i_E	58				
			F	50 --				
1060	12	Ou	iP	8 52 37			8210	dilatation

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
1060	12,XII	Ou	S_{EN}	9 02 08				Azi.: 124.4°
			F	32 --				
1061		Iv	$\bar{P}_{EZ}$	10 10 24				Local shock. Preliminaries not clear.
			M_{EN}	12.2				
			F	24 --				
1062	13		$(e)_E$	1 15 28				Trace
			F	40 --				
1063	14	Ir	P	20 47 43			2745	dilatation
			S	52 04				
			eL_E	54 43				
			M_N	55 53	13	8		
			M_Z	57 19	11			
			M_E	19	10	5		
			F	21 27 --				
1064	15	IIIr	P_{EZ}	2 02 48			2720	condensation Epc.: 26°N, 90.5
			iP	52				
			iS_{NZ}	07 07				
			L_N	09 41				From Wiechert.
			M amplitude very large, faint.					
			F	5 49 --				
1065			$eL?_{EN}$	18 05.5				A train of surface waves.
			M	07.0				
			F	20 --				
1066		Iu	P	19 26 21			8290	dilatation
			i	28 17				May be pP or sP
			PP_Z	29 09				Deep focus.
			i_{EZ}	50				
			S	35 56				
			PS	36 18				
			F	20 55 --				
1067	16		M	0 41.3				A train of surface waves.
			F	53 --				
1068			eL_N	16 23 28				Trace
1069			eL_N	20 52 56				Trace
1070			eL_{EN}	23 48 09				Small
1071	17	Ov	e	3 40 14			1765	
			$eS?_E$	43 09				
			L	45.2				
			F	4 15 --				
1072			eL_N	6 58 24				Trace
1073			eL_{EN}	9 28 41				Small
1074			eL_N	14 53 43				Small
1075		Iu	iP	16 01 48			5680	condensation Azi.: 129.8°
			PcP_N	03 15				
			PP_Z	35				
			iS	09 05				
			PS_{EN}	41				

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
1075	17,XII		$SS?_Z$	16 12 51				
			L	16.7				
			M_E	22 15	19	11		
			M_{1Z}	23 34	18			
			M_N	24 58	15	9		
			M_{2Z}	25 01	15			
			F	18 19 --				
1076			eI_{EN}	22 44.3				Trace
1077	18	IIr	iP	11 27 28			2635	condensation
			eS_E	31 40				Azi.: N-W
			iS	49				
			L	34.9				
			M_{1N}	35 42	12	19		
			M_E	36 43	11	8		
			M_{2N}	37 43	8	9		
			M_Z	44	8	8		
			F	12 40 --				
1078	19		M_{EN}	3 17.3				
			F	29 --				
1079	21	Iv	iP	6 44 08				dilatation
			eL_{EN}	47 26				Azi.: N-E
			M	49.9	9			
			F	7 22 --				
1080		Ir	P_{EZ}	12 44 12			2765	dilatation
			iS	48 35				
			eL	51.7				
			M_N	52 24	13	8		
			M_E	53 48	11	6		
			M_Z	49	11			
			F	13 40 --				
1081	22		e_Z	11 03 45				Very distant quake
			e_{EN}	11 20				
			eI?	28.7				
			M_E	34 04				
			F	58 --				
1082			$e?_Z$	14 48 36				Very distant quake
			$eI?_{EN}$	15 25.4				
			M_1	40.4	27			
			M_{2E}	43 44	23			
			M_{2NZ}	49.0	20			
			F	17 01 --				
1083	23	C	eP_Z	10 12 21				
			i_Z	16 45				
			i_E	36 47				
			F	11 58 --				
1084	24		eL?	15 47				A long train of surface waves in micro.
			F	17 09 --				
1085	25	Ir	eP	6 34 06			3610	
			iS_E	39 25				
			iS_{NZ}	30				
			$eI?_{EN}$	43.1				
			M	48.0	15			

No.	Date	Char.	Phase	G.M.T.	T_p	A_{mu}	km.	Remark
1085	25,XII		F overlapped by next quake.					
1086		Or	eP_{EZ}	7 55 52			3700	Initial uncertain
			S_{EN}	8 01 16				
			M_{EZ}	16.3				
			F	57 --				
1087			(e)	12 58 48				Trace
			F	14 04 --				
1088	27	Ov	eP	12 40 41			1410	
			eS_E	43 02				
			iS_{EN}	17				
			F	13 02 --				
1089			eP	17 48 38				Very small.
			e_E	54 10				
			F	18 25 --				
1090	28	Ou	eP_{EZ}	11 36 21			9465	
			eS_{EN}	46 52				
			eL	12 09.2				
			M	16.9				
			F	13 26 --				
1091	30	Iu	P_Z	14 05 36			9620	condensation
			PP?	09 20				
			eS_{EN}	16 13				
			eI_{EN}	34.4				
			M_{1E}	44.07				
			M_{2E}	55 31	17	9		
			M_N	56 12	18			
			M_E	16	17			
			F	16 42 --				
1092	31	IIu	eP	18 59 13			9610	
			PP_E	19 02 55				
			S_{EN}	09 49				
			eL_E	23 37				
			M_{1E}	43 05	19	22		
			M_{2E}	45 35	16	23		
			M_{3E}	51 43	15	17		
			M_{1N}	46 03	16	13		
			M_{1Z}	45	14	15		
			M_{2N}	48 02	14	11		
			M_{2Z}	49 02	15	24		
			M_{3N}	53	15	12		
			M_{3Z}	51 13	14	16		
			F	22 40 --				

S. P. Lee, Superintandent,
(Absent, in Pasadena)

Pan Chia Lin,
Assistant in Charge,
January 9, 1935

The Chiufeng Seismic Station of the Geological Survey of China beg to acknowledge with thanks the receipt of the following Bulletins and publications, from October to December 1934.

Barcelona	Resumèn de las Observaciones Meteorológicas, 1933, par M. A. Castrillon.
	Boletin No. 22,
	Seis. Bulletin: May-Dec.,'33 & Jan.-June 1934.
Ottawa	Seis. Bulletin: July-Sept.,'34 & August 1932.
	Bibliograph of Seismology Vol. XII, No. 1, Jan.-Mar., 1934.
Little Rock	Seis. Bulletin: Jan.-June 1934.
Florissant	Seis. Bulletin: March-August 1934.
St. Louis	Seis. Bulletin: March-September 1934.
J. S. A.	Prel. Bulletin: No. 28-35 1934.
Kew	Seis. Bulletin: July-September 1934.
Toledo	Datos Sismicos De La Peninsula Ibérica 1.er Trimestre De 1934.
Pasadena	Seis. Bulletin: June-August 1934.
Hongkong	Meteorological report: July-September 1934.
	Seis. Bulletin: August-September 1934.
Paris Strasbourg Bureau Central	Seis. Bulletin: June-August 1934.
Riverview	Seis. Bulletin: July-September 1934.
Manila	Corrections to Wireless time Signals, Cavite, P. I. July-Oct. 1934.
	Prel. Bulletin: August-September 1934.
	Special Bulletin Oct. 1934.
Ebro	Resumen De Las Observations Solares, Electro-Meteorológicas y Geofisicas Efectuadas Dusante el Ano 1933 Vol. XXIV, & Vol. XXV.
	Boletin Mensual Del Observatoria Del Ebro. Oct.-Dec., 1933 Vol. XXIV No. 10-12.
Cartuja	Boletin Mensual July-December 1933, & Jan.-March 1934.
Nanking	Seis. Bulletin: Vol. 2, No. 4 April-June 1934.
Zikawei	Seis. Bulletin No. 14-15 1934.
	III. 5-Pressure Distribution at 3,000 metres over the coast of China and Adjacent Seas. By P.G. Hale.
	Note sur Le Séismographe Horizontal Wilip-Galitzin De 2s.3 De Période, Par E. Gherzi.
Georgetown	Instrumental Bulletins: August 1934.
Hawaii	The Volcano Letter: June-July 1934.
Vladivostok	Seis. Bulletin: July-August 1934
d'Upsala	Observations Séismographiques: de Juillet 1906 á 1933.
Taihoku	Prel. Report for Sept.-Oct. 1934.
Instituto Geografico y Catastral	Servicio Sismológico: Julio-Oct. de 1933.
Hamburg	Seis. Bulletin: April-July 1934.
Firenze	Venticinque Anni De Valori Pentadici. Part II.
Academy of Science of U.S.S.R.	Vibration Probelms in Designing Earthquake-Proof construction.
	Noubelles publications de l'Académie des Sciences de l'Union des Républiques Soviétiques Socialistes parues en Mai 1934.
Wellington	Seis. Bulletin: August 1934.,
	Prel. report for June 1932 & Feb. 1934.
Melbourne	Seis. Bulletin: Jan.-March 1934.
Tananarive	Seis. Bulletin: March-May 1934.
Scoresby-Sund	Seis. Bulletin: N. 9, 1932.
Ivigtut	Seis. Bulletin: No. 2, 1931.
Lund	Seis. Bulletin: No. 5, 1931.
Osaka	Seis. Bulletin. No. 162-167 1934.
Batavia	Seis. Bulletin: July-Sept. 1934.
Apia	Seis. Bulletin: No. 3, 1934.
Zürich	Schweizerisches Erdbebenbulletin No. 52 Sept. 1934.

December 8, 1934