

PRELIMINARY REPORT OF SEISMIC OBSERVATION

NO. 1



PALAU OBSERVATORY
WEST CAROLINE ISLANDS

Jan. ___ Feb. 1938

WIECHERT SEISMOGRAPH H $\frac{1}{2}$ 200kg Z.80kg

COMP. T. r/T^2 v V
E 3.8 0.003 5.3 70
N 4.1 0.003 2.5 80
Z 1.9 0.040 4.1 73

DATE	PHASE	G. h	M. m	T. s	AMP.	PERI. s	P - 3		REMARKS
							m	s	
Jan. 1	Pne	23	32	40			3	39	
	Sne	23	36	19					
	F	0	20						
12	Pez	16	07	52				31	
	Sne	16	08	22					
	F	16	09						
16	eLn	14	28	52					
	F	14	37						
18	P?	4	32	00					
	F	4	39						
28	Pn	4	13	59					
	F	4	27						
Feb. 2 1	Pn	19	07	10					distant very large amplitude
	Pe	19	07	14					
	Se?	19	10	25					
	F	21	15						
2	ePne	19	00	09				25	
	Sne	19	00	34					
	F	19	15						
5	Pne	9	57	57			1	59	
	Sne	9	59	56					
	F	10	31						
4	Pnez	15	48	41				10	
	Snez	15	48	51					
	F	15	50						
6	Pne	7	12	00					
	Sne	7	17	16					
	Men	7	19	07	43.	8.7			
	F	7	54						
8	ePn	1	17	53			3	55	obscured by microseisms
	eSn	1	21	48					
	F	1	35						
11	Ln	14	49	27					
	F	14	56						
17	Pn	5	23	28			2	28	



PALAU OBSERVATORY
WEST CAROLINE ISLANDS

FEB.1938
March

WIECHERT SEISMOGRAPH H.200kg Z.80kg

COMP.	T	r/T ²	v	V
E	3.8	0.003	5.3	70
N	4.1	0.003	2.5	80
Z	1.9	0.040	4.1	73

DATE	PHASE	G. h	M. m	T. s	AMP.	PERI. s	P - S m s	REMARKS
Feb.18	en	1	04	15				
	Ln	1	04	41				
	Mn	1	05	28	80	8.4		
	F	1	34					
18	en	1	35	32				
	Ln	1	35	56				
	F	1	57					
18	Ln	2	31	56				
	F	2	38					
18	en	3	36	11				
	F	3	42					
18	en	5	51	37				
	Ln	5	52	07				
	F	6	02					
21	Ln	15	58	36				
	F	16	07					
21	Ln	16	40	54				
	F	16	47					
22	Pn	5	43	00				
	F	5	54					
22	Ln	6	10	54				
	F	6	37					
22	Pnez	22	30	47		6.2		
	Snez	22	30	54				
	F	22	39					
22	Pne	22	55	25		8.		
	Sne	22	55	33				
	F	23	05					
28	Pnez	0	30	54		1.		felt moderately at Palau
	Snez	0	30	56				
	F	0	32					
March. 2	Pnez	22	58	35		1.		
	Snez	22	58	36				
	F	22	58	50				
5	Pe	11	35	11			1 55	
	Pn	11	35	09				

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PALAU OBSERVATORY
WEST CAROLINE ISLANDS

March-May 1938



WIECHERT SEISMOGRAPH H.200kg Z.80kg

COMP	T	r/T ²	ξ	V
E	4.4	0.06	3.0	65
N	4.2	0.02	2.5	76
Z	1.9	0.20	2.3	73

DATE	PHASE	G. h	M. m	T. s	AMP. μ	PERI. s	P.S m s	REMARKS
March 6	ePn	2	01	30				Obscured by microseisms
	Le	2	08	11				
	F	2	27					
8	Pne	5	40	22.0			4 18.9	
	eSne	5	44	40.9				
	F	6	39					
9	ePe	17	31	56				
	ePn	17	31	53				
	F	17	37					
10	Pne	16	22	43.0			1 18.7	
	Pz	16	22	47.3				
	Sne	16	24	01.7				
	Sz	16	24	03.5				
	Le	16	26	22				
	Ln	16	25	45				
	F	17	05					
23	Sne?	5	56	20				
	F	6	04					
25	Pne	14	56	06				
	F	14	58					
28	Le	8	22	48				
	Ln	8	21	52				
	F	8	38					
30	Pne	7	31	00				
	F	7	35					
April 4	Pne	21	12	23.2			2 46.2	
	Sne	21	15	09.4				
	F	21	31					
1	Le	21	40	20				Obscured by microseisms
	Ln	21	40	42				
	F	21	52					
20	Pe	15	48	53.2			36.1	
	Sn	15	49	29.3				
	F	15	52					
May 12	Pe	15	43	25.8			3 35.4	
	PPe	15	43	41.9				
	Se	15	47	01.2				
	F	16	57					
13	Pnez	15	07	34			43	

PRELIMINARY REPORT OF SEISMIC OBSERVATION

NO 5

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

June-July
1938

WIECHERT SEISMOGRAPH H.200kg Z.80kg

COMP.	T	r/T ²	ε	V
E	4.4	0.06	3.0	65
N	4.2	0.02	2.5	76
Z	1.9	0.20	2.3	73

DATE	PHASE	G. h	M. m	T. s	AMP. μ	PERI. s	P-S		REMARKS
							m	s	
June 21	Pn	6	47	42			3	29	
	eSn	6	51	11					
	Le	6	52	52					
	Ln	6	52	56					
	F	7	24						
29	Pnez	9	40	36			1	08	
	Snez	9	41	44					
	F	10	05						
30	Pnz	16	52	49.1					
	eSn?	16	59	16.9			6	27.8	
	F	17	09						
July 4	ePn	16	51	09					
	eLn	16	56	47					
	F	17	12						
5	ePn	2	12	19					
	F	2	50						
6	ePn	1	33	53					
	F	2	12						
7	ePnz	17	31	57					
	eLne	17	36	51					
	F	In next							
7	ePn	17	57	38					
	eLn	18	02	27					
	F	18	24						
17	ELn	12	19	55					
	F	12	47						
20	Pn	11	52	41			2	55	
	Sn	11	55	36					
	F	12	01						
25	Lne	9	47	06					
	F	10	03						

PRELIMINARY REPORT OF SEISMIC OBSERVATION

No. 6
July-Aug
1938

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP. T r/T² ξ V
E 4.4 0.06 3.0 65
N 4.2 0.02 2.5 76
Z 1.9 0.20 2.3 73

DATE	PHASE	G. h	M. m	T. s	AMPL. μ	PERI. s	P-S m s	REMARKS
July 27	Pnz	17	00	24.0				
	Len	17	05	31.0				
	F	17	40	00.0				
Aug 15	ePn	06	30	02.0				
	F	06	35	00.0				
16	Sen	04	35	54.0				
	Sz	04	36	01.0				
	Le	04	42	30.0				
	Ln	04	42	27.0				
	F	05	27	00.0				
18	Penz	04 ⁹	36	40.0			5 15.0	
	Se	09	41	54.0				
	1Sn	09	41	54.5				
	Ln	09	44	21.0				
	F	09	57	00.0				
18	Penz	14	19	43.6			0 06.0	felt slightly at Palau
	Senz	14	19	49.6				
	F	14	22	00.0				
18	ePe?	19	11	17.0			357.0?	
	ePn?	19	11	13.0				
	Se?	19	15	10.0				
	Sn?	19	15	14.0				
	F	19	44	00.0				
19	Le	16	57	26.0				
	Ln	16	57	13.0				
	F	17	17	00.0				
20	Pen	08	35	11.0			3 12.0	
	Pz	08	35	13.0				
	Sn	08	38	23.0				
	Se	08	38	34.0				
	Le	08	40	22.0				
	Ln	08	41	05.0				
	F	09	40	00.0				
24	Pn?	15	48	50.0			4 07.0?	
	Pe?	15	48	59.0				
	Sn?	15	52	57.0				
	F	16	07	00.0				



International
Seismological
Centre

PRELIMINARY REPORT OF SEISMIC OBSERVATION

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

No. 7
Aug-Sept
1938

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP.	T	r/T ²	C	V
E	4.4	0.06	3.0	65
N	4.2	0.02	2.5	76
Z	1.9	0.20	2.3	73

DATE	PHASE	G. h	M. m	T. s	AMPL.	PERI. s	P-S m s	REMARKS
Aug 29	Pz	15	25	00.0			2 02.0	
	Pen	15	25	01.0				
	Sn	15	27	03.0				
	Se	15	27	07.0				
	Sz	15	27	09.0				
	Ln	15	27	28.0				
	Le	15	27	30.0				
	F	-	-	-				
30	iPz	11	52	59.5			2 39.0	
	iPn	11	52	59.8				
	iPe	11	53	00.2				
	Sz	11	55	34.0				
	Sen	11	55	39.0				
	Ln	11	56	20.0				
	Lz	11	56	25.0				
	Le	11	56	26.0				
	F	13	22	00.0				
30	Sn?	17	11	46.0				
	Se?	17	11	55.0				
	F	17	32	00.0				
31	Pn	07	23	07.0			0 03.0	
	Sn	07	23	10.0				
	F	07	24	00.0				
Sept 1	ePe	01	59	21.0				
	Pn	01	58	51.0				
	eLn	02	02	40.0				
	eLe	02	03	01.0				
	F	02	27	00.0				
7	Pz	01	56	34.9			1 23.3	
	Pen	01	56	37.1				
	Sz	01	57	58.4				
	Sen	01	58	00.4				
	F	02	37	00.0				
7	Pz	04	07	58.8			3 54.5	
	Pen	04	07	59.1				
	Se	04	11	53.6				
	Sn	04	11	54.4				
	Sz	04	11	54.5				

PRELIMINARY REPORT OF SEISMIC OBSERVATION

No. 8
Sept-Oct
1938

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP. T \dot{r}/T^2 ξ V
E 5.2 0.01 6.1 69
N 5.1 0.01 2.5 77
Z 1.9 0.20 2.3 73

DATE	PHASE	G. h	M. m	T. s	AMPL. μ	PERI. s	P-S		REMARKS
							m	s	
Sept 7	Pz	13	03	30.3			4	16.3	
	ePen	13	03	32.1					
	eSn	13	07	48.4					
	F	13	26	00.0					
17	Penz	20	12	48.9			0	01.5	felt slightly at Palau
	Senz	20	12	50.4					
	Men	20	12	50.4					
	F	20	13	01.0					
27	Pen	10	20	45.8			3	44.0	
	Sen	10	24	29.8					
	F	10	44	00.0					
28	eLen	18	29	24.0					
	F	18	47	00.0					
30	eLen	02	37	31.0					
	F	02	43	00.0					
Oct 7	Pen	00	54	20.8			2	19.5	
	Pz	00	54	21.3					
	Sn	00	56	40.3					
	F	01	19	00.0					
11	Pen	00	10	16.0			1	36.8	
	Se	00	11	52.8					
	F	00	37	00.0					
12	L?	00	46	41.0					
	F	01	07	00.0					
13	Pen	10	18	55.0			0	04.0	felt slightly at Palau
	Sen	10	18	59.0					
	Me	10	18	59.0					
	F	10	19	09.0					
13	Penz	15	32	00.0			3	52.3	
	eSen	15	35	52.3					
	Le	15	38	44.0					
	F	15	52	00.0					
20	ePen	02	23	57.0			3	30.0	
	Sen?	02	27	27.0					

PRELIMINARY REPORT OF SEISMIC OBSERVATION

No. 9

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

Nov 1938

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP. T r/T² ϵ V
 E 5.2 0.01 6.1 69
 N 5.1 0.01 2.5 77
 Z 1.9 0.20 2.3 73

DATE	PHASE	G. h	M. m	T. s	AMPL.	PERI. s	P-S m s	REMARKS
								<i>u</i>
Nov 5	Pen	08	49	43.9			4 53.1	
	Sn	08	54	35.9				
	Se	08	54	37.0				
	eLn	08	56	51.0				
	F	09	49	00.0				
5	Pen	10	56	27.6			5 04.2	
	Se	11	01	31.8				
	Sn	11	01	53.4				
	eLe	11	03	27.4				
	Me	11	05	09.4	-945	18.0		
	Mn	11	08	17.0	-811	16.0		
	F	12	12	00.0				
6	eFn	09	00	11.8			4 59.0	
	ePe	09	00	14.0				
	Sen	09	05	10.8				
	eLe	09	07	11.0				
	F	10	42	00.0				
6	Pen	21	45	03.9			4 51.5	
	Se	21	49	55.4				
	Sn	21	50	10.7				
	eLe	21	51	55.0				
	Me	21	53	16.0	-613	17.6		
	F	22	49	00.0				
7	Se	01	48	45.0				
	Le	01	52	26.0				
	F	02	23	00.0				
9	Len	09	26	56.0				
	F	10	00	00.0				
10	Pen	20	30	15.0			9 17.0	
	Sn	20	39	30.0				
	Se	20	39	32.0				
	Len	20	54	00.0				
	F	22	17	00.0				
12	Pen	12	05	30.0			0 14.8	
	Sen	12	05	44.8				
	F	12	06	11.0				
13	e	04	55	56.0				

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PRELIMINARY REPORT OF SEISMIC OBSERVATION

No. 10

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

Nov-Dec 1938

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP.	T	r/T ²	ξ	V
E	5.2	0.01	6.1	69
N	5.1	0.01	2.5	77
Z	1.9	0.20	2.3	73

DATE	PHASE	G. h	M. m	T. s	AMPL.	PERI. s	P-S		REMARKS
							m	s	
<i>M</i>									
Nov 14	Pen	12	10	57.1			3	51.3	
	Se	12	14	48.4					
	F	12	18	00.0					
16	Penz	00	19	20.7			0	06.9	
	Senz	00	19	27.6					
	F	00	19	34.0					
17	ePen	04	06	12.0			9	00.0	
	eSen?	04	15	12.0					
	F	04	44	00.0					
22	Pn	01	20	13.0			5	00.0	
	Se	01	25	13.0					
	Sn	01	25	17.0					
	F	02	01	00.0					
24	eP	01	26	12.0					
	F	01	48	00.0					
29	eS	13	50	12.6					
	eL	13	53	00.0					
	F	14	24	00.0					
30	Pz	02	35	59.6			5	04.3	
	pPn?	02	36	12.3					
	pPe?	02	36	13.6					
	Sn	02	41	03.9	+5	2.3			
	Se	02	41	04.0	+12	3.3			
	eLe	02	42	45.9					
	F	03	46	00.0					
Det. 6	P	23	05	14.4			3	35.0	
	S	23	08	49.4					
	L	23	11	14.4					
	Me	23	12	42.8	-33	7.9			
	Mn	23	12	42.8	-87	8.8			
7	F	00	20	00.0					
7	P	13	28	07.9			4	19.3	
	S	13	32	27.2					
	L	13	34	03.1					
	F	13	50	00.0					
10	P	02	22	16.6			1	14.4	

PRELIMINARY REPORT OF SEISMIC OBSERVATION

No. 11

PALAU OBSERVATORY
WEST CAROLINE ISLANDS

Det 1938

WIECHERT SEISMOGRAPH H. 200kg Z. 80kg

COMP.	T	r/T ²	ξ	V
E	5.2	0.01	6.1	69
N	5.1	0.01	2.5	77
Z	1.9	0.20	2.3	73

DATE	PHASE	G. h	M. m	T. s	AMPL. μ	PERI. s	P-S		REMARKS
							m	s	
Det 16	P	17	31	36.1			4	14.5	
	S	17	35	50.6					
	F	18	40	00.0					
21	P	12	31	48.4			4	11.5	
	S	12	35	59.9					
	F	12	48	00.0					
22	eP	03	24	00.0					
	eL	03	28	00.0					
	F	03	35	00.0					
23	eP	14	15	50.7					
	F	14	18	00.0					
24	e	20	32	00.0					
	F	21	00	00.0					
28	Pe	05	10	01.8			1	42.5	
	Pn	05	10	01.9					
	Pz	05	10	02.0					
	Se	05	11	43.3					
	Sn	05	11	44.4					
	Sz	05	11	44.5					
	F	05	21	00.0					