

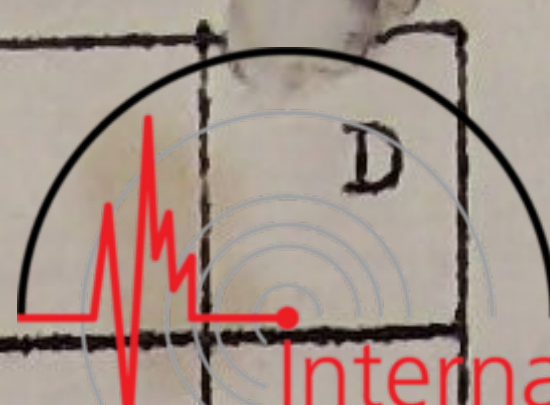


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Date	Comp	Phase	Time	Max W.A. Amp.	Airletters	Remarks	D
16	WNEZ	iP	19 04 46				
	WNEZ	iS	05 09	>3.0			
16	W	iS	23 22 25	0.2			d
17	W	iS	08 34 14	0.1			d
17	W	eP	16 03 21				r
	W	e	03 55				
17	W	eP	18 42 22				
	W	S	42 39			Long coda	
	W	i	42 44	1.1			
18	W	iS	03 46 05	0.5			d
18	W	eP	06 31 07			Long coda	
	W	eS	31 21	0.1			
19	W	eP	04 09 10			Long coda	
	W	eS	09 25	0.2			
19	W	iS	20 35 04	1.0		Long coda	v
20	W	iS	03 10 33	>1.5			d
20	W	iS	11 20 13	1.0			d
20	WNEZ	iP	12 37 48				
	WNEZ	eS	38 25	>2.0			
21	WNEZ	iS	03 00 23	>1.0			d
21	W	iS	09 17 14	0.1		Long coda	v
21	W	eP	14 05 26				
	WNE	iS	05 51	1.0			
21	WE	iP	16 15 06				
	WNE	iS	15 28	>2.0			
21	WNE	iP	16 16 28				
	WNE	iS	16 49	>2.0			
21	W	eS	17 24 00	0.1			d
21	W	eS	17 31 04	0.1			d
22	NE	eS	10 39 10				r
23	NE	e(S)	07 13 29		B	No W.A. 55°S. 136°W. 06 52 42*	
	NE	L	15 55				
24	W	iS	23 49 13	1.0			d
25	W	iS	13 34 24	1.1			d
25	W	(P)	14 57 50		B	18°S. 179°W. Fiji Isl., 100km 14 55 33*	
	WNE	(S)	59 31	0.7			
25	W	iS	22 12 40	2.0			d
26	W	iS	14 27 47	0.1			d
26	W	eS	14 48 04 ^{ca}	0.3			d
27	W	iS	03 40 32	1.0			d
27	W	iS	05 46 39	0.3			d
27	W	iS	09 05 09	1.0			d
27	W	iS	20 26 12	0.1			d
27	W	iS	21 54 07	0.1			d
28	W	iP	03 38 07			Long coda	
	WNE	iS	38 34	>2.0			
28	W	iS	08 23 37	0.5			d
28	W	iS	09 50 23	0.5			d
29	W	iP	02 19 53				
	W	iS	20 12	2.0			
30	W	iS	10 26 07	1.0			v
30	W	eP	10 28 41				r
30	W	iS	11 48 09	1.0			d
31	N	iS	19 43 13			No W.A. or Z	d
31	N	iS	19 43 31			" " " "	d

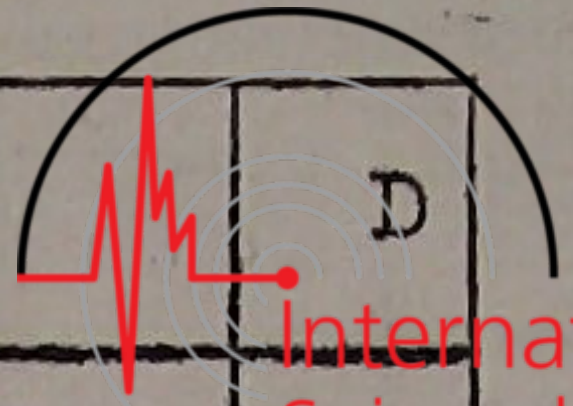
February, 1951.

Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	D
1	NE	eP	16 50 58		PBW	17°S. 173°W. Tonga Isl. 16 50 02*	
	NE	iS	51 33			W.A. out of action. Bulb blew	



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Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	D
2	NE	iS	02 07 59				
3	NE	iS	02 15 46ca				
4	W	iP	15 38 55		PBW	19°S. 176°W. Tonga Isl. 250km. 15 37 18*	
	W	i	39 12			Short coda.	
	W	i	39 15				
	WNE	iS	40 03	>4.0			
4	W	iS	22 47 45	2.0			
5	W	e	05 40 51ca	>1.0		Long coda	10°ca
	NE	eS	41 09				
	NE	L	41 49				
5	W	iS	13 40 34	0.2			d
5	W	iS	17 44 25	0.9			d
6	W	iS	18 10 36	0.9			d
8	WNE	iP	10 40 27		PBWC	23°S. 176°W. Tonga Isl. 60km. 10 38 05*	
	WE	i	41 11	1.0		Long coda.	
	WNE	eS	42 58				
9	WNE	iP	01 22 30	0.9	PBW	22°S. 179°W. Fiji Isl. 650km. 01 20 10*	
	WNE	eS	24 25				
9	W	iS	18 55 44	0.2			d
10	W	iS	13 31 35	0.9			d
10	W	eP	14 47 09	0.7	PB	Fiji Isl. 500km 14 45 02** S lost in local shock.	
10	WNE	iS	14 48 49	2.2			d
10	W	eP	17 12 37ca				
	W	iS	12 55	1.0			
10	WNE	iS	17 45 21	1.2			d
10	W	iS	21 19 17	1.2			d
11	W	iS	15 16 15	1.0			d
11	WNE	iS	19 01 51	2.0			d
12	W	eS	14 54 49ca	0.2			d
13	WNE	iS	07 47 50	2.0			d
13	WNE	P	11 56 49		PBWC	15°S. 175°W. Samoa Isl. 250km. 10 55 50*	
	W	S	57 33	60		E&N put out of action by P wave.	
13	W	iS	16 13 35	0.5			d
13	W	S	18 14 01ca	0.8			d
13	WN	eP	22 24 24ca		PWC	56°N. 155½°W. 150 miles east of Alaska Peninsu- lar. 22 12 58*	
	WN	e(pP)	21 48				
	WNE	eS	33 26				
14	WNE	iP	08 00 39			Deep	
	WNE	iS	01 06	5.5			
14	W	iS	11 34 25	1.0			d
17	W	eS	00 46 04ca	0.1			d
17	W	eS	00 54 59ca	0.1			d
17	W	eS	01 16 47ca	0.1			d
17	WNE	iP	21 14 45	1.0	PBWC	7°S. 146°E. Southeastern New Guinea. 100km. 21 06 58*	
	WNE	i(pP)	15 17				
	WNE	(S)	20 46				
	WNE	(ScS)	24 16				
17	WNE	iP	21 54 11				
	WNE	iS	54 29	7.5			
18	W	eS	13 38 49ca	0.1			d
18	W	eS	18 11 25	1.0			d
19	WNE	iP	03 19 04			Deep	
	WNE	iS	19 58	>1.1			
19	W	eS	03 31 03	0.2			d
19	W	eP	13 25 26				
	W	iS	26 03				



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Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	D
19	WNE	iS	17 45 48	1.1		Long coda	v
20	W	eP	01 45 53				
	WN	eS	46 27	>2.0			
20	W	S	10 47 39	0.2			d
21	WE	S	22 10 07			W.A. out of action.	d
21	NE	S	22 10 55			Light failed.	
21	NE	iP	22 42 43				
	NE	eS	43 04ca				
23	NE	iS	06 39 51				
23	W	eS	07 42 29ca	0.9			d
24	W	iS	14 17 01ca	1.0			d
25	W	iS	01 41 59	1.1			d
25	W	eP	21 33 43				
	WNE	iS	34 00ca	3.0			
26	W	eP	02 44 27ca				
	WNE	iS	44 44	3.5			
26	W	eS	04 48 33ca	0.5			d
26	W	iS	08 42 53	0.9			d
26	WNE	iS	11 05 37	2.0			d
26	W	iP	15 13 00			Long coda	
	WNE	iS	13 16	3.0			
26	W	iS	18 55 41	0.9			d
27	W	eP	06 13 41ca				
	WNE	iS	14 06	2.1			
27	W	iP	11 18 31				
	W	iS	13 52	1.5			
28	W	iP	06 39 58				
	WNE	iS	40 15	7.5			
28	W	eS	09 59 33ca	0.5			d

March, 1951.

Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	D
1	W	iP	01 34 33				
	WNE	iS	34 52	7.0			
1	W	iS	07 51 25	2.0			d
2	W	iS	14 34 12	1.0			d
3	WNE	iP	04 35 22	5.0		Very deep	
	WNE	iS	35 49				
3	W	iP	05 22 11				
	W	iS	22 47	1.1			
3	W	iS	11 52 17	2.0			d
3	W	(P)	18 23 55ca		WC		
	NE	eS	25 08			Long coda	
4	W	iS	05 09 13	1.1			d
5	W	eP	10 51 09ca				
	WNE	iS	51 50	5.0			
5	W	eS	13 47 17ca	0.9			v
5	W	eS	21 39 30ca	1.1			v
6	W	iS	11 25 59	1.0			d
6	W	eP	12 06 18			Long coda	
	WNE	iS	06 31	4.1			
8	W	iS	09 00 27	1.9			d
8	W	iP	23 34 09				
	WNE	iS	34 30	10.0		Deep	
9	W	iS	07 47 43	1.0			d
9	W	iS	14 30 03				d
9	WNE	P	16 12 11		PBWC	20°S, 179°W. Fiji Isl. 600km. 16 09 57*	v
	WNE	eS	13 55	1.1			

Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	
10	W	iS	01 18 17	1.0			
10	WNE	eP	02 06 43ca		P	Fiji Isl. region. 600km	
						02 04 28**	
10	WNE	iS	08 26	1.1			
10	NE	iP	22 02 04ca		PBMWC	15½°S. 167½°E. New Hebrides	
						200km. 21 57 37*	
	NE	i	02 22				
	NE	PP	02 40			W.A. out of action from	
	NE	i	03 09			20h 21m 33s. on March	
	NE	iS	05 43			10th to 23h 02m 00s on	
						March 15th.	
12	NE	iP	06 01 43				
	NE	iS	02 13				
13	E	eP	17 47 15ca		PBW	20½°S. 180°E. Fiji Isl.	
						600km. 17 45 00*	
	NE	eS	17 49 00ca				
14	NE	iS	03 06 42				d
14	NE	iS	08 25 03ca				d
14	NE	(S)	20 44 34				
	NE	L	45 16				
14	NE	e	22 09 00ca				
15	NE	iP	14 22 25				
	NE	iS	22 46				
16	W	iS	14 30 00ca	1.0		No time marks on W.A.	d
16	W	iS	15 30 00ca	0.9		" " " " "	d
17	WNE	(P)	03 49 09	0.5		Interpretation doubtful.	
	WNE	S	52 40				
17	WNE	P	03 52 04ca			Interpretation doubtful	
	WE	e	53 26				
	WNE	S	55 34	0.9			
17	W	(P)	10 11 17ca	0.1			
	NE	(S)	14 00ca				
17	W	iS	21 50 22	1.2			d
18	W	iS	01 56 11	1.1			d
18	W	eS	09 55 43	1.1			v
18	NE	iS	15 20 52				
19	W	eS	05 31 17	0.7			d
19	W	iP	11 46 30	5.0			
	W	iS	46 51				
19	W	eS	15 38 30ca	0.1			d
19	W	iS	17 54 35	2.0			d
20	W	S	02 01 13	0.6			d
22	W	iS	16 20 46	1.1			d
22	NE	iP	19 37 14		PBW	13°S. 172½°W. Samoa Isl.	
						19 36 52*.	
	NE	iS	37 32			Felt Apia MM II-III.	
						W.A. record being	
						changed.	
23	W	iS	01 30 00ca	1.2		No time marks on W.A.	d
23	W	iS	07 57 00ca	0.9		" " " " "	d
23	W	eS	20 39 00ca	0.6		" " " " "	d
23	WNE	iP	21 42 55		PMBWC	31°S. 180°E. Kermadec Is.	
						300km. 21 38 54*	
	WNE	iS	46 07	3.1		Unusual form-No time	
						marks on W.A.	
24	WNE	iP	00 22 24	1.9	PMBWC	11°S. 166°E. Saata Cruz	
						Isl. 150km. 00 17 38*.	
	WN	i	22 37				
	WNE	i	22 50			No time marks on W.A.	
	WNE	e	23 16				
	W	ipP	23 53				
	WNE	S	26 22				
24	W	eS	06 20 00ca	0.4		No time marks on W.A.	d
24	W	eS	11 20 00ca	0.5		" " " " "	d
25	W	eS	00 34 35	1.0			d



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Date	Comp	Phase	Time	Max. W.A. Amp.	Airletters	Remarks	D
25	W	S	06 52 59	1.0			d
25	W	e(P)	13 17 17	0.5			d
25	W	S	20 13 56	0.5			d
25	W	S	20 30 29	0.9			d
26	WNE	eP	01 54 39				
	WNE	iS	55 00	5.5			
26	W	S	06 43 43	0.9			d
27	W	eS	02 59 47	0.8			d
27	W	S	06 14 59	0.9			d
27	W	eP	09 45 42ca				
	WNE	S	45 55	2.0		Long coda	
27	WNE	S	22 30 09	1.0			v
28	WNE	eP	02 00 05	1.1	PBWC		
	E	e	05 19ca				
	NE	e	07 13				
	E	e	10 10				
28	WNE	S	10 46 27	1.1			d
29	WNE	eS	10 38 00ca	0.5		No time marks on W.A.	d
30	W	S	03 40 00ca	0.9		" " " " "	d
30	WNE	iP	04 25 33			" " " " "	
	WNE	iS	25 58	1.3			
31	WNE	eS	01 43 07ca	1.1			v
31	W	S	02 10 03ca	1.0			d
31	W	S	02 45 51	1.0			d
31	WNE	eP	06 24 07	1.0			
	WNE	S	25 43			Very long coda	

Seismological Bulletins Received.

The receipt of Seismological Bulletins and other information from the following sources is acknowledged with thanks:

- | | |
|-----------------------------------|---|
| Beograd: | September - November, 1950. |
| Bogota: | January - May, 1950. |
| Brisbane: | August, October, November, 1950. |
| Budapest: | August - November, 1950. |
| Cheb: | May, 1950. |
| De Bilt | September - December, 1950. |
| Government of India: | March - April, 1950. |
| Granada: | October - December, 1950. |
| Harvard: | January through June, 1950. |
| Helsinki | April - September, 1950. |
| Hurbanovo: | May, 1950. |
| Japan: | July - August, 1950. |
| Jesuit Seismological Association: | August - October, 1950. February - March, 1950. |
| Kalocsa: | August - November, 1950. |
| Kew: | October - December, 1950. |
| La Paz: | July - September, 1949. |
| Leipzig: | January, 1945 - December, 1946. |
| Lisbon: | July - September, 1950. |
| Manila: | September - December, 1950. No. 21-24. |
| Pasadena: | Pasadena and Auxiliary Stations: January 1 - April 3, 1950. Preliminary: 20 July - 4 November, 1950. Seismological Laboratory Bulletin. 1950. |
| Perth: | July - December, 1950. |
| Prague: | September - November, 1950. |
| Rathfarnham Castle: | July - September, 1950. |
| Reykjavik: | January - December, 1945. April - December, 1946. |
| Rome: | July - October, 1950. |
| Strasbourg: | Union Geodesique et Geophysique Internationale: July - August, 1950. 2 November, 1950. |

Seismological Bulletins Received (Contd.)



Strasbourg:

Bulletin du Bureau Central Seismologique Francais: August - September, 1950.
Institut de Physique du Globe de Strasbourg: 11 October - 31 December, 1950.

Stuttgart:

July - September, 1950.

Toledo:

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U.S.C.G.S.

Preliminary Epicenters: Nos. 153-50 to 3-51, 7-51 to 18-51, 22-51 to 27-51.

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International Seismological Summary. January - March, 1938.

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United States Earthquakes. 1947. Serial No. 730.

Apia Observatory,
Apia, Western Samoa.
28th May, 1951.

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