

UNIVERSITY OF QUEENSLAND

SEISMOLOGICAL STATION

BRISBANE

$\phi=27^{\circ} 28' 41''$ S., $\lambda=153^{\circ} 1' 52''$ E., $h=15$ m.

Foundation: Semi-consolidated alluvium of raised river terrace.

INSTRUMENTS AND CONSTANTS.

INSTRUMENT.	COMPONENT.	FREE PERIOD.	DAMPING.	MAGNIFICATION.
Milne Shaw No. 58	N.—S.	12 sec.	20 : 1	250
Milne Shaw No. 60	E.—W.	12 sec.	20 : 1	250

The Station is maintained and operated by the University of Queensland assisted by a grant from the Australian Council for Scientific and Industrial Research.

DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941 January 1 to January 6			Station not operating
" 11	iPE iSE	2-50.7 54.4	
" 13	iPN iPE iSN iSE FN	16-32.6 32.7 37.0 37.0 20-20.0ca	$\Delta = 25^{\circ}$ ca. Trace amplitude of P group 15 m.m. " " " P group 7 m.m. " " " S group 65 m.m " " " S group 80 m.m Felt at Rabaul with R.F. 8-9.
" 19	iN iN	13-53.3 57.1	
" 20	iN iE eN iNE	9-37.3 41.1 41.1 12-50.1	
" 21	iE iNE	6-23.2 13- 3.9	
" 23	ePN iSNE	5-18.8 22.8	
" 24	iPN iSN iSE	19-32.8 36.8 36.9	
" 28	eE eN eE iN eN iE iNE	3-25.6 30.7 31.8 34.2 8-58.1 58.8 9- 2.1	
" 31	eNE iSNE eN iE	2-45.4 49.3 51.0 51.1	
			W. H. Bayon. Officer in Charge.

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941 Feb. 4	iPNE iPcPN iSNE iSSN	14-10.6 12.6 16.7 19.4	$\Delta = 40^{\circ}$ ca.
" 8	iE iSS?E	18-54.0 19- 3.5	
" 14	iPN iPE iPPN iPPE iSNE eN iN	10-10.8 10.9 11.2 11.3 14.6 19- 9.0 13.4	$\Delta = 21^{\circ}$ ca
" 22	iE iE iE iE	19-20.0 22.4 24.1 26.8	
" 23	ePN iSN eN iN	1-20.4 24.2 22-41.5 43.4	
" 25	iPE ePN iPPE iSNE MN ME FN	5-44.0 44.0 44.9 49.1 59.5 6- 0.0 8- 0.0ca	Trace amplitude 34 m.m. Trace amplitude 58 m.m.
" 27	iPNE iSNE iSSNE	9-51.8 57.9 10- 1.2	$\Delta = 40^{\circ}$ ca.

W.H. Bryan
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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941 March 2	ePN iSN	11-56.5 12- 0.9	
" 14	iE iN iE iN iE	16-14.7 19.7 19.8 22.9 23.0	
" 16	iN	8- 4.0	
" 17	iE eN iE MN	8- 9.9 14.2 14.4 17.7	
" 18	eN	6-58.6	
" 20	eN iN iE iNE iN	6-58.4 7- 0.0 0.1 1.0 3.1	
" 28	iPE iPN iN iE iSN MN	22-35.5 35.6 36.0 36.1 39.9 43.4	$\Delta = 25^{\circ}$ ca.
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1941 April 2	eN iN	15-51.6 55.8	
" 3	iPN iSN iSSN MN	15-41.0 46.4 47.7 52.3	$\Delta = 33^{\circ}$ ca.
" 8	eN iN	2-55.3 59.7	
" 11 to 14			Station closed
" 15	eN iE iE iSNE iN iE iN ME FN	19-27.7 28.7 29.0 38.6 44.5 44.8 55.7 20- 3.0 22- 0.0ca	
" 18	iPNE iSN	6-19.9 23.0	$\Delta = 17^{\circ}$ ca
	iN iN iN FN	13-32.1 52.0 53.5 15-40.0	
" 20	iN	12-16.2	
" 27	eN iN	15-10.7 11.9	Obscured by large microseisms
" 29		1-55.0	Long waves recorded of earthquake felt at Perth, West Australia. Early part of record lost while changing paper.
			W. H. Bryan W.H. Bryan Officer in Charge.

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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941			
Notice. Since the issue of Bulletin No. 44, electrical driving mechanisms have been fitted to both instruments. Consequently it will be possible in this and succeeding Bulletins to record arrival times to the nearest second and not to the nearest tenth of a minute as hitherto.			
May 2	iPN ePE iSN iSE	9-59-49 59-58 10- 3-54 3-57	
" 4	ePN	11-26-34	
	iSN	30-40	
	ePN	22-11-47	
	iSN MN	13-33 16-20	
	ePN iSN	22-37-56 40-23	Obscured by coda of previous quake
" 7	eN	23-27-51	
	iSN	29-54	
" 7	iPN	12-23-37	Strong initial movement
	iPE	23-39	
	eSN	26-46	
	eSE	26-50	
" 8	iPE	10-26-57	$\Delta = 23^{\circ}$ ca.
	iPN	26-58	
	iSNE	31-00	
	iN	34-00	
	iN	36-39	
	iE	36-42	
" 9	eN	5-41-33	
	eE	41-35	
	iN	48-44	
" 16	eN	7-35-29	



DATE	PHASE	G. M. T. h. m. s.	REMARKS.
May 17	iPE iPPE iSE ME	2-29-42 30-29 33-30 38-20	$\Delta = 21^{\circ}$ ca. Trace amplitudes of P reach 28 mm. " " PP " 20 mm. " " S " 84 mm. " " M " 55 mm.
" 18			Seismograph out of action.
" 24	ePE iSE	5-22-58 27-04	
" 26	iE eN iN	20-46-23 46-36 49-47	
" 29	eN iN	11-22-23 26-58	
" 30			Very large microseisms
			W.H. Bryan W.H. Bryan Officer in Charge.

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SEISMOLOGICAL STATION

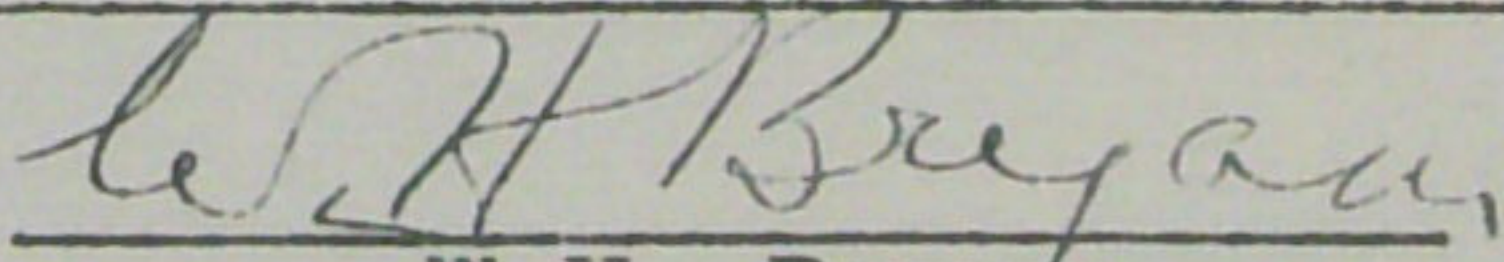
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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941 June 8			No record for this day
" 11	iN eN	10-23-18 26-16	
" 16			No record for this day
" 18	eN iN	10-22-18 28- 8	
	eN iE eN	20- 6- 8 6-17 11-40	
" 21	iE eE iE	17-46-36 48-54 56-22	
" 23	eE eN eN	9-38- 4 38- 5 45-36	
" 26	iPN iPE iE iSN iSE MN FN	12- 3-16 3-17 7-43 12-24 12-27 57-20 15-50- 0	$\Delta = 70^{\circ}$ ca. Placed by Riverview near Nicobar Islands in Bay of Bengal. Largest earthquake yet recorded by this station. Trace amplitude = 40 mm.
" 27	iPE ePN iSE iSN MN FN	7-59- 4 59- 5 8- 1-46 1-47 4-50 9-45- 0	$\Delta = 15^{\circ}$ ca. Placed by Riverview at Finke River Central Australia. The largest earthquake yet recorded from Australia, and one moreover from a supposedly stable region.
"	eE eN eN eE	12-46-35 46-48 14-43-48 43-53	
" 29	iPN iSN MN	22-10-26 13-28 16-20	$\Delta = 16^{\circ} +$
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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1941 July 8	eE eN iE eN	17-19-48 25-21 28-38 28-42	
" 20	eN iN	6- 4-47 8- 4	
" 25	iP?E iP?N iS?N	9-52-22 52-24 55-34	
" 26	iP?E iS?E	20-19-23 25-54	

Note: The above constitutes a complete record for the month, which was the quietest since these bulletins were first issued in September 1937.

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1941 August 2	iE iE iE FE	11-46-58 51-38 54-08 14-00-ca	
" 3	iN iN	12-46-00 49-35	
" 15	eN eN FN	6-30-52 34-58 8-20-ca	
" 17	eN	14-19-49	
" 19	iPE iPN iPPN iSNE	17-44-42 44-44 45-29 48-22	$\Delta = 20^{\circ}$ ca.
" 20	iE eN eE	8-27-37 31-31 36-00	
" 22	iP?E iP?N iS?E iS?N	19-00-56 00-58 04-33 04-36	
" 26	iN eE iN	17-14-16 18-38 18-46	
" 28	iE eE eN	20-33-25 34-29 38-28	
" 30	iE eE iE	9-51-24 54-35 13-21-58	
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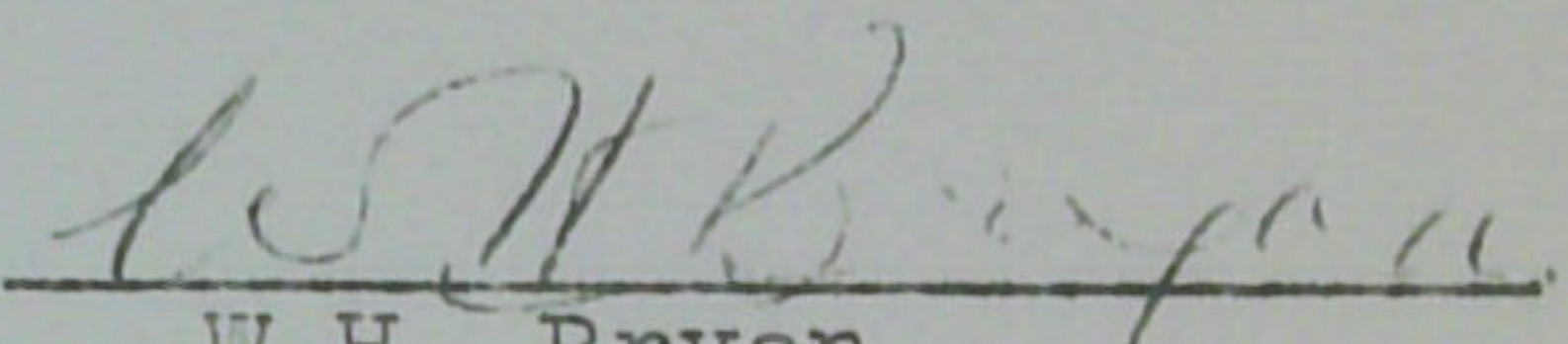
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		h.	m.	s.	
1941 Sept. 1	eE eN eE eN	23	26	04 20 32 34	
" 4	iPNE iSE iSN FN	10	26	40 39 44 ca	Felt at Rabaul, New Guinea
" 9	iPN iPE iPPN iSN iSE FN	7	24	23 24 43 09 14 ca	
" 12	iPE iPN iSN iSE	7	08	37 38 53 54	Δ = 32° ca.
" 13	eE eE	0	16	07 10	
" 14	eN eN MN eN eN	4	18	16 40 40 11 26	
" 16	iPE iPN iSE iSN LN LE	21	44	40 43 38 46 07 31	
" 17	iPN iPE iSNE	6	55	18 20 59	
" 18	iE eN eE eE eN	2	17	02 07 35 13 36	

DATE	PHASE	G. M. T.			REMARKS.
		h.	m.	s.	
Sept. 24	iPN	18	27	46	$\Delta = 20^{\circ}$ ca
	iPE		27	50	
	iSE		31	18	
	iSN		31	20	
	ME		34	30	
	MN		35	20	
	iPN	19	32	12	Similar pattern to previous quake but smaller amplitudes.
	eSN		35	42	
	ME		38	45	
	MN		39	50	
" 29	eN	17	11	35	
	eN		13	07	
	iN		16	52	
	MN		19	25	
" 30	iPN	8	23	46	
	iSN		27	26	




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1941			
Oct. 5	iN LN	10-19-13 25-37	
" 16	iN eN iN eN	15-14-24 15-45 17-53 18-43	
" 20	eN eN MN	22-26-13 26-19 30-50	
" 21			Pronounced microseisms
" 31	iE eN iE iN	16-56-46 56-51 59-17 17-02-16	

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1941					
Nov. 4	iNE iN iN	2-31-54 35-56 38-54			
" 5	iPE iPN iSN iSE iPNE iPPE iPPN iSN eSE MN iE iN eN	11-09-29 9-30 12-54 12-58 13-09-22 9-43 9-45 12-35 12-55 15-20 17-47-32 47-35 54-42			Very similar patterns. Probably from same centre.
" 6	iPN iSE iSN	7-10-47 14-39 14-44			
" 8	iPE iS?E	23-45-00 52-38			
" 12	iE iN	7-10-36 10-38			
" 18	eN eN eN eE iPE iPN iSE eLN	10-27-35 31-43 38-01 38-23 16-56-57 56-52 17-05-13 9-09			
" 24	iPE iPN iE iS?E eS?N iE ME	21-51-50 51-53 56-14 56-48 56-53 59-02 22-00-30			

[illegible]

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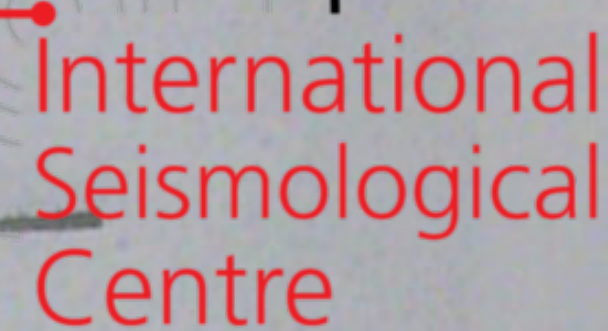
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" 6	eE	22-34-03	
" 9	iN eE iE eN eN	2-52-02 52-08 59-00 59-27 3-05-01	
" 15	iN iE iN iE iE iN	0-10-23 10-28 14-34 14-40 17-11 17-15	
" 16	iPE iPN iSN iSE iSKSE eN ME FN	19-29-41 29-44 37-47 37-59 39-40 45-01 53-19 20-50-ca	Much damage reported from Formosa
" 24	iPE iSE iSSE	14-51-40 55-23 55-50	$\Delta = 21^{\circ}$ ca.
" 27			No record



Wm Bryan

W.H. Bryan

Officer in Charge.