

# UNIVERSITY OF QUEENSLAND

## SEISMOLOGICAL STATION

### BRISBANE

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

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.
1940			
Feb. 7	ePNE iSE eSN iSSE eNE	17-28.3 38.3 38.4 43.6 49.8	
" 12	iPE ePN iE iE iE iN iSNE iE ME MN	8-26.4 26.5 27.0 27.2 28.3 28.5 30.7 32.3 33.2 33.5	$\Delta = 24^\circ +$
" 14	eN eE eN	2-18.5 18.6 10-55.3	Other phases present but obscured by abnormally large microseisms.
" 15 to 17			Abnormally large microseisms
" 18	iN eN	13-19.3 22.2	
" 20	ipNE iSN iSE eN eN eE eN iE eN eN iE eE	2-22.4 25.9 26.0 13-13.4 20.0 23.8 25.0 20-44.8 44.9 48.1 49.1 55.2	Strong
" 21	eE eN	13-39.0 39.1	
" 24	iPE iSE	12- 5.9 10.5	$\Delta = 26^\circ +$ <i>W.H. Bevan</i> Officer in Charge.

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DATE	PHASE	G. M. T. h. m. s.	REMARKS.
1940			
March 3	iPN iN iSN MN eN eN	0- 9.5 10.2 12.6 15.8 12- 9.6 13.7	$\Delta = 17^\circ$ ca.
" 6	iN iN	18-28.1 32.3	
" 7	eN	7-47.0	
" 13	eN eE iNE iE eN	19-13.1 15.4 17.8 18.3 22.8	
" 14	iN eE iE iN eE eN eN eN iN eE eE eE eN	0-37.2 39.0 41.2 41.3 45.7 46.4 4- 3.6 7.5 7.6 10.9 11.8	
	iPN ePE iPPN iSN iSE iLE iLN ME MN	18-28.6 28.7 29.4 33.4 33.6 34.3 34.8 39.0 41.5	$\Delta = 28^\circ$ ca. Large
" 15	iPN ePE iPPN iSN iSE	14-48.3 48.4 48.8 52.3 52.4	$\Delta = 22^\circ$ +

DATE	PHASE	G. M. T. h. m. s.	REMARKS.
March 18	eN eE eN eE	5-44.3 44.5 49.0 49.1	
" 19	iN eE iNE  iN iNE iE eE  eNE	5- 9.3 11.0 13.3  10-49.3 53.3 53.7 58.5  15- 3.0	
" 21	iPE iPPE iPPPE iSE eLE ME	14- 1.3 3.1 4.1 8.0 11.3 24.3	$\Delta = 46^\circ$ ca
" 22	eN eN iN	23-27.1 29.4 32.0	
" 23 to 25			Station closed
" 27	eN iE iN	12-43.7 53.8 53.9	
" 28	iPNE iSNE iN iN GN	15-57.8 16. 4.9 6.3 7.3 10.1	$\Delta = 49^\circ$ +
" 29	iN iE eLN eE	23-30.9 31.0 33.6 34.2	
" 30	eE iE iE	6-32.1 35.9 37.5	
			<u>W.H. Bryan</u> W.H. Bryan <u>Officer in Charge</u>

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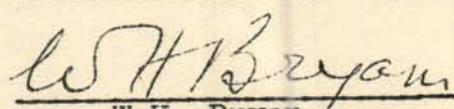
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DATE.	PHASE.	G. M. T. h. m. s.	REMARKS.
1940 Dec. 4	ePN ePE iSNE	13-11.9 12.2 17.4	
" 8	eN iN iN eN iN iN	3-21.6 25.9 6-26.2 29.1 17-52.6 53.3 55.9	
" 13	iNE iE iN	15-13.1 15.9 16.0	
" 16	i?PNE i?SNE iE	9-32.5 36.5 37.0	
" 17	iN eE MN iPN iPE iSNE iE MN ME	1-33.2 37.2 41.9 14-48.2 48.3 53.1 55.2 15- 2.4 3.1	$\Delta = 29^\circ \text{ ca.}$
" 18	iPNE iSNE iN	5-38.2 42.8 44.0	$\Delta = 26^\circ +$
" 22	ePN iN iSN MN FN	12-37.8 38.7 42.5 47.5 14-30.0 ca.	

  
 W.H. Bryan  
 Officer in Charge.