

INSTRUMENTS—Two Milne-Shaw.

DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h m s.	s.	μ	μ	μ		
29 JANUARY.								
5th		Slight record from 0h 54m 12s to 1h						
6th		Slight record from 0h 20m to 0h 32m.						
13th	O	0-05-06					8170	
	ePN	0-14-36						
	iPE	0-14-36						
	iSNE	0-24-04	12	45				Micros at F.
	iPSN	0-24-34	10	107				
	iLN	0-39-23	17	123				
	ME	0-40-35	712		136			Irregular waves at F
	LN	1-15	15					
15th	eN	16-11-38						
	LN	16-12-18	15	7				Wind interfered with EW record.
	F	to 16-15						
		16-34?						
16th.	eN	8-26						
	eN	8-35-45						
	LN	9-15						
	LN	9-22-22		5				
	FN	9-56						
17th	eN	11-52-38						
	eN	11-53-15						
	LE	12-00						
	LN	12-01-10	23					
	ME	12-02-06	17		70	70		
	MN	12-10-34	20	96				
	FN	15-39						
17th	eN	23-22-12						
	LN	23-29-40						
	LN	23-36-23		2				
	FN	0-57						May be a dual eq.
19th.	O	3-18-07						
	ePN	3-24-45						
	iPN	3-24-52						
	iN	3-26-03	8					
	SN	3-30						
	eN	3-30-50						
	LN	3-37-22						
	MN	3-40-00	15	22				
	FN	4-33						
21st.		Very slight record from 6h 08m to 6h 55m.						
21st.	PE	10-38-07					5480	Alaska.
	eNE	10-40-36						
	iSN	10-45-15						
	eSE	10-45-15						
	eE	10-48-15						
	eN	10-48-37						
	ME	10-53-52	8		43			
	MN	10-56-20	8	56				
	FN	12-00-00						

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

NO. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 January (continued)								
24th	O	20-36-27						
	eFN	20-45-05						
	eFE	20-45-08						
	iSN	20-48-20						
	iSE	20-48-23						F undiscernible.
	iN	20-48-52	23	175				
	MN	20-56-45	17	440			3470	
	ME	20-57-30	17		231			Coast of Honduras.
24th	eN	23-45-13						
	LN	23-47						
	MEN	23-50-15	13	17	7			Wind interferes.
25th	LN	1-47						
	MN	1-50-38	13	8				Heavy wind interfered with EW record.
	FN	? 2-25						
26th	LN	14-42						
	LN	14-45-12	15	5				
	FN	? 14-56						EW-Wind interferes.
26th	LN	21-07-45						
	MN	21-08-30	12	3				
	FN	21-20						EW-Wind interferes.
28th	iN	3-49-15						
	LN	3-51						
	MN	3-51-57	10-	11				
	ME	3-51-48	10		8			Very heavy micros.
31st	eN	18-17-13						
	eE	18-17-30						
	LN	18-25						
	LE	18-25-45	15		16			
	MN	18-27-10	15	37				
	FN	19-19						

James Young,
Seismologist.

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

Period 12 seconds
Magnification 150
Damping 20-1

No. AND DATE	PERUSE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
FEBRUARY 1929.		h. m. s.		s.				
1st.	eN	17-17-25						
	iPRN	17-31-26						
	eSEN	17-37-43						
	LN	17-53						
	MN	18-07-10	18-23	15			Central Asia.	
	ME	17-59-30			23			
	FN	19-56						
2nd.	PE	0-11-10					P very weak.	
	iE	0-11-39						
	eE	0-19-09	8					
	iN	0-20-15						
	iE	0-20-25	15					
	iE	0-20-36	15		24			
	ME	0-37	22		82			
	MN	0-33	13	43				
	FE?	4-00						
3rd.	eN	18-12-23						
	LN	18-19-40						
	MN	18-22-30	15	11				
	FN	18-50						
4th	eN	6-56-15						
	LN	6-58-08	15	3				
	FN	7-05						
4th	eN	10-33						
	LN	10-39-20		3				
	FN	11-00						
5th	eN	3-55-15						
	LN	4-01-30						
	MN	4-15	12	5				
	FN	4-27						
6th.	Very slight record from 7h 10m 23s to 7h 51m.							
8th	eEN	2-17						
	LN	2-23						
	MN	2-27	12	14			Uniform waves at Max.	
	FN	3-08						
10th	eEN	3-50-08						
	LN	3-55-32						
	LE	3-56						
	MN	3-59-30	12	9				
	FN	4-30						
10th.	O	15-39-19						
	iPN	15-45-38						
	iSN	15-50-38						
	iE	15-50-53						
	iSRIN	15-52-17						
	LN	15-53-32						
	LE	15-56-26						
	MN	16-01-15	15	-204			3240	
	ME	16-01-25	13		-74			
	FN	19-02						
13th	eN	22-25						
	LN	22-32-11						
	MN	22-35	15	23				
	FN	23-31						

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929		h. m. s.	s.					
FEBRUARY (Continued).								
15th	eN?	8-11-08						
	eN?	8-16-23						
	LN	8-23	15					
	MN	8-24	15	12				May be a dual eq.
	M2N	8-28-30	15	14				
	M3N	8-30-23	15-24					Wind interfering with EW record.
	LN	8-53						
22nd.	O	20-41-39						
	iPN	20-50-13						
	iPE	20-50-15						
	iPRN	20-52-05						
	iSNE	20-57-00	12	96				
	SR1N	21-00-26						West of Cape Verd Islands
	LN	21-03-00	15					
	LE	21-03-40						
	MN	21-04-05	15	71			5090	
	ME	21-05-15			71			
	FN	0-24						
26th	Slight	record from 4h	28m to 4h	56m.				
26th	O	9-00-50						
	EPNE	9-10-03						
	iSNE	9-17-23						
	iN	9-19-45						
	LN	9-26						
	ME	9-31-53	15		32			
	MN	9-33-52	17	29			5700	SW Alaska.
	FN	11-35						
27th	eN	20-08						
	LN	20-13-15						Wind masks EW record.
	FN	20-19						
MARCH.								
1st.	eEN	7-39-35						
	eEN	7-43-30						
	iEN	7-49-30						
	ME	7-50-19	10		72			F lost in next quake.
	MN	7-50-25	10	112				
1st.	LN	9-10						
	iE	9-11-06						
	iLN	9-11-27						
	MN	9-11-47	12	20				
	ME	9-11-49	15		24			
	FN	10-44						
1st.	eNE	15-52						
	LN	16-00-15 to 16-04	15	3				FN 16h 39m.
1st.	Small	record 21h 14m to 21h 30m,						more marked on EW record.
3rd.	eN	9-21-20						
	iN	9-23-15	3					
	LN	9-23-26	10					
	MNE	9-23-45	10	11	11			
	FE	9-48						
3rd.	LN	17-08-45						
	LN	17-09-15	15	5				
	FN	17-16						
3rd.	Slight	record from 18h 53m to 18h 56m.						
5th.	"	" " " " " 16h 48m 45s to 17h 02m.						

No. AND DATE	Phase	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 MARCH (Continued)		m. s.	s.					
7th	O	1-34-36						
	iPEN	1-44-32						
	PRIN	1-47-12						
	iSEN	1-52-31						
	iN	1-52-41						
	SRIN	1-56-59						Aleutian Islands
	LN	2-02-52						
	MN	2-12-25	17	500			6430	
	ME	2-12-30	17		510			FN 7h 00m
9th	eN	3-01						
	LN	3-07	23	5				
	FN	4-12						
9th	eE	11-29-35						
	LE	11-46						Wind masks F.
	LE	11-53-30	30					LE 11h 56m to
	ME	11-59-45	15		101			12h 07m Period
	MN	12-00	17	57				15 to 17s.
9th.	Small quake with L at 13h 44m 15s.							
10th	Small quake at 23h 17m to 23h 46m.							
11th	LE	13-42-10						LE 13h 45m to
	ME	13-46-25			5			13h 48m 15s.
	FE	14-00						No time-marks on
12th	eN	2-52-03						NS component.
	eN	2-57-20						
	LN	2-59-45		2				
	FN	3-17						
15th	eN	18-11						
	LN	18-12	23	7				FE 18h 36m.
17th	Slight irregularity 6h to 6h 08m 45s, may not be seismic. Only on NS component. Tremors felt in Caledonia, Ont. Dull thud.							
18th	LE	2-52						
	FE	3-14						
19th	eE	9-45-05						
	LE	9-45-19						
	LE	9-45-53	10		3			
	FE	10-12						
19th	eN	21-00-12						
	?LEN	21-05-15						
	MN	21-13-57	15	33	33			FN 22h 46m
21st.	O	2-36-45						
	iPEN	2-43-27						
	eN	2-48-10	8					Gradually de-
	iSEN	2-48-45						creasing uniform
	iEN	2-49-03						vibrations before
	LN	2-52-08						and after Max.
	iLE	2-52-24						
	MN	2-58-53	13	120				
	ME	2-59-08	13		60			
	FN	5-11						
22nd.	Slight irregularity from 4h 01m to 4h 15m							
23rd	LN	11-48-08						
	MN	11-48-38	12	9				
	FN	12-00						
23rd.	eEN	21-04-23						
	LEN	21-13						
	LN	21-21		2				
	FN	22-11						
24th	Slight record from 6h 33m 25s to 6h 43m on EW component.							

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	Phase	Time <small>h. m. s.</small>	PERIOD <small>s.</small>	AMPLITUDE			Δ	REMARKS
				A N <small>μ</small>	A E <small>μ</small>	A Z <small>μ</small>		
1929 March (continued)								
26th		Slight record from 11h 30m to 11h 58m						
27th	LN	22-28						
	LN	22-28-25		1				
	FN	22-47						
28th	eN	3-22-03						
	LE	3-28						
	LN	3-28-23	25					
	LN	3-33-23		2				
	FN	4-08						
28th	eN	20-36-55						
	iN	20-43-02						
	LN?	20-47-20	12	2				
	LN	21-13-37	30	3				Winds interfere with EW record.
	FN	22-48						
30th	eEN	16-29-22						
	LN	16-34-12						
	LN	16-36-12		2				Irregular wayes on both components.
	FN	16-49						
31st.	LE	6-21-15						
	LE	6-27-23	22		4			
	FN	7-11						
31st.		Slight record 20h 43m to 23h 56m.						
								James Young Seismologist.

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw

PERIOD 12 seconds
MAGNIFICATION 150
DAMPING 20-1
REMARKS

NO. AND DATE	PERSON	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h. m. s.	s.	μ	μ	μ		
1929								
April 6th	eE	1-37-15						
	FE	1-51						
6th	LN	4-14-37						
	LINE	4-14-52	12	2				
	iE	4-17-15	8		2			
	FN	4-46-54						
6th.	Slight record 5h 12m to 5h 35m on EW component.							
7th.	eE	19-43-08						
	eEN	19-44-12						
	eLE	19-45-08						
	LN	19-52-15						
	ME	19-51-52	15		9			
	MN	19-55	12	28				
	FE	21-03						
8th	eE	10-42-38						
	LE	10-55-38	15		2			
	FN	11-47						
9th	eE	3-12-22						
	LN	2-59		1				LN 3h 17m
	FN	3-17						
9th.	Slight record 4h 23m 23s to 4h 43m.							
9th	eE	5-08						
	LE	5-15-30			1			
	FE	5-56						
10th	eN	18-25-15						
	LN	18-35-22						Wind effects EW.
	FN	19-01						
13th	eN	7-41-15						
	LN	7-47		2				
	FN	7-57						EW barely shown.
13th	eN	21-34-55						
	eN	21-36-13						Winds on EW
16th	Small record on 16th with L at 5h 46m ending 6h 10m.							
20th	Slight trace 1h 46m to 1h 55m							
21st.	eN	12-49-45						
	LN	12-52-15						
	LN	12-53-18		3				
	LN	13-00		2				
	FN	13-22						
22nd.	Slight record 21h 19m 21s to 21h 20m 08s.							
23rd.	Slight record 1h 08m to 1h 27m.							
25rd.	eN	18-04-08						
	EN	18-05-53	12	7				F 18h 25m.
27th	iN	11-53-12						
	iE	11-58-22						eE 11h 53m 12s.
	IN	11-59-22						
	MN	12-03-51	13	15				F 12h 58m.
27th.	Small record with L at 22h 05m ending 22h 32m.							
29th.	Slight record 19h 11m 45s to 19h 25m.							
30th.	iN	18-52-19						
	LE	18-54-38						
	FN	19-01						
30th.	Slight record 20h 12m to 20h 16m.							

James Young,
Seismologist.

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw

PERIOD 12Seconds
MAGNIFICATION 150
DAMPING 20-1

No. AND DATE	Phase	Time h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
MAY 1920								
1st.	Slight	record from 0h 04m to 0h 10m.						
1st.	Slight	" " 8h 03m to 8h 13m.						
1st.	Slight	" " 8h 51m to 8h 56m						
1st.	eN	8-38-38						
	LN	8-44						
	FN	9-21						
1st.	ePE	15-50-32						P weak. xxxxxx Movement at 16 01 on NS, impetus.
	PN	15-50-37						
	eEN	16-01-00						
	iSE	16-01-17						
	iN	16-01-19						
	LE	16-20-17						
	LN	16-22	30					
	ME	16-27-30	18		100			N.Persia
	MN	16-32-49	15	131				
	FE	19-55						
1st.	Small	record from 22h 20m to 22h 52m						
2nd.	eLE	15-11-15	30		2			
	LE	15-16						
	FN	15-40						
3rd.	Slight	record from 9h 25m to 9h 37m.						
6th.	eN	5-31-30						
	eN	5-48-15						
	LN	6-08-23						
	LN	6-29-15		2				
	FN	7-19						
7th	eN	16-56-38						
	eN	17-13-45						
	LN	17-41 to	15 to	4				Dual quake. Wind interfered with EW record
	LN	17-49	17					
	FN	19-29						
8th.	Faint	trace from 13h 50m to 13h 53m.						
11th.	Small	quake with L at 19h 58m ending 20h 06m.						
12th.	eE	9-46-30						
	LE	9-53-38						
	LN	9-54-18						
	MEN	9-57-30	12-13	211	119			
	FN	10-28						
13th	LE	14-08-00						Marked L at 14h 16m 45s NS lines mixed up
	LE	14-22-15			2			
	FE	15-16						
18th	iN	7-00-03						
	iN	7-05-08						
	LEN	7-16-45						
	LN	7-21-38 to						
	LE	7-27-23		20				
	LE	7-23 to						
	LE	7-29-45	23		17			
	FN	8-12-						
20th	O	4-52-51						
	iPN	5-03-07						
	iPE	5-03-08						
	eSEN	5-11-25					6790	Kamchatka.
	SRLE	5-16-17						
	eN	5-16-28						
	LN	5-22-15						
	MN	5-31-15	18	37	22			FN 8h 10m.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
MAY	continued)	h. m. s.	"	μ	μ	μ		
21st	eN	16-59-08						
	LN	17-22-30						
	LE	17-22-38	37?					Prolonged
	LN	17-29-34	23					
	M ₁ N	17-30-30	15	20				
	ME	17-38-15	18		20			Small uniform movements
	M ₂ N	17-39-26	15	20				
	FN	19-17						
22nd	LE	21-24-38						
	LE	21-33			2			
	LE	21-45			2			
	FE	22-16						NS barely noticeable
24th	Slight record	19h 43m to 19h 55m						
25th	Slight	" 4h 03m 22s to 4h 16m						
25th	O	12-00-58						
	iPN	12-09-11						P on EW not recorded
	iSN	12-15-41						
	iSE	12-15-43						
	iE	12-19-17						
	LN	12-22					4780	
	LE?	12-21-08			2			
	FN?	13-05						
26th	iEN	9-05-07						
	LN	9-54						
	LE	9-56			1			
	FN	10-24						
26th	O	22-39-41						
	ePE	22-46-50						P weak
	eEN	22-47-00						
	iE	22-47-13						
	iE	22-48-26						
	iSE	22-52-30					3880	
	iSN	22-52-34						
	L	22-56-38	8					
	ME	23-01-45	8		4479			
	MN	23-04-52	8	4485				Queen Charlotte group
	LE	0-26-15	10					
	FE	3-38						
27th	eE	5-41						
	LE	5-43-00			2			
27th	Small quake with L	at 6h 27m 30s, ending 6h 33m.						
28th	eE	0-03-23						
	eEN	0-10-08						
	LE	0-15	12					FN 1h 24m
	LN	0-17-08	15	10				
	MN	0-19-12	11	15				
28th	Very faint trace	4h 24m to 4h 26m						
28th	"	" " 5h 34m to 5h 41m.						
29th	Slight record	4h 59m to 5h 08m						
29th	"	" 12h 51m to 12h 59m.						
29th	Slight record	17h 22m to 17h 26m						
30th	"	" 2h 18m to 2h 21m.						
30th	O	9h43-32						
	iPN	9-55-27	4				8660	PE 9-55-30 weak.
	iSN	10-05-20	8					eE 10-05-08 (8sec)
	LN	10-21-40						eSE 10-05-23
	LE	10-24	23		25			LE 10-43-08 20s.
	MN	10-32-38	20	23				Uniform L on NS
	F	13-29						10-35 to 10-43
31st	eE	0-33-18						
	LE	0-59	23		1			FE 1h 22m.

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Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw

PERIOD 12 seconds
MAGNIFICATION 150
DAMPING 20-1

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		<small>h. m. s.</small>	<small>s.</small>	<small>μ</small>	<small>μ</small>	<small>μ</small>		
1st.	Slight record	14h	40m 25s to		14h 57m			
1st.	Slight "	18h	59m to 19h		22m			
2nd.	eN	21-55-17						
	iEN	22-01-23						
	cEN	22-02-08						
	iE	22-04-38	12	3				
	LN?	22-21-23					N. Japan	
	FN	23-24						
3rd	cN	20-53-22						
	LEN	21-19-38						
	LEN	21-26	23	4	3			
	FN	22-09						
4th	iN	15-36-15						
	eN	15-37-37					Wind interferred with EW record	
	cN	15-52-48						
	FN	16-59						
6th	iNcE	11-11-10						
	cN	11-20-27						
	LN	11-21-15						
	LN	11-26-23	18	3	3		FN 12h 07m.	
6th.	Small record from	15h 39m 30s to	15h 54m.					
6th	cN	16-41-23						
	LN	16-53 to 16-59		2				
	FN	17-29					Wind on EW	
7th	Slight record from	1h 03m to	1h 14m					
8th	Slight record with	L at 18h 21 and 18h 22m 45s, ending 18h 29m						
9th.	LEN	1-23-15						
	LN	1-24	15	3			eN? 1h 18m 15s	
	FN	1-48						
9th	Small quake with L	at 7h 08m 23s ending 7h 13m.						
9th	cN	8-28-15						
	LN	8-30-10	12					
	MN	8-34-45	8	6			MN, sharp little vibrations.	
	ME	8-32-02	5		5		Kenai Sound, Alaska	
	FN	9-09						
9th	O	9-08-14						
	cPEN	9-20-08	8					
	cSNE	9-30-00						
	iN	9-30-26						
	cN	9-34-45	15	2			P weak on both components, S much stronger on EW	
	LE	9-45-28						
	ME	9-52-30	23		33	8640		
	MN	9-57-23	18	17				
	iN	10-19-26	12	36			Kuriles	
	FN	11-55						
10th	Slight trace	Oh 6m to Oh 21m.						
10th	O	23-03-15						
	cPEN	23-12-02						
	cSEN	23-19-00					S very weak on EW	
	cLN	23-26-15						
	MN	23-31-52	12	5		5300	71° N	
	LE	23-33	15		4		91° E Artic Ocean	
	FN	0-18						
12th	cN	12-03-45						
	cN	12-21-13						
	LN	12-42						
	LN	12-52-23		3				
	FN	14-05						

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
JUNE (Continued)								
13th	ePEN	0-24-25						P very weak. <i>Kuriles</i> May be S second shock. More than one quake
	iSE	0-34-23						
	eSN	0-34-23						
	iEN	0-48-00						
	iEN	0-48-15						
	LE	0-56-23						
	ME	0-57	17		18			
	ME	1-10-27			25			
	MN	1-13-52	20	37				
	FE	4-00						
13th	eN	9-45-08						
	iN& eE	9-45-23						
	eN	9-50-45						
	PSN	9-55-13	15					
	LN	10-26-00	23					
	ME	10-29-23	25		61			
	MN	10-30-10	25	88				
	FN	12-40						
13th.	Small	record from	20h 15m to	21h 28m.				
13th	eN	23-26-37						
	LN	0-16						
	LN	0-27		2				
	MN	0-29		3				
	FN	1-09						
16th.	Slight	trace from	16h 56m to	17h 04m.				
16th	eN	22-27						
	LN	22-33-23						
	FN	22-59						
16th	eEN	22-43-23						
	LE	22-46-23	12		2			
	FN	22-54						
16th	eE	23-08-44						
	ePR ₁ N	23-08-44						
	eN	23-18-38						
	iSR ₁ E	23-26-57						
	LN	23-42-38	41					
	iLE	23-53	25		150			
	iLN	23-53-35	15	60				
	ME	23-59-30	15		-156			
	MN	0-00-25	17	-90			South Island, NZ.	
	FN	3-36						
17th	Slight	record from	10h 54m to	11h 57m.				
18th	Slight	" "	10h 45m to	10h 53m				
19th	eN	7-56-45						
	LN	8-46						
	LN	8-57-15		2				
	FN	9-36						
19th	Slight	record from	10h 23m to	10h 41m				
20th	Slight	" "	12h 53m to	12h 37m				
22nd	eEN	15-52-38						
	LE	16-37-10	23		5			
	LE	16-52						
	FN	17-52						
22nd.	Small	record from	19h 44m to	20h 15m				
23rd	Small	" from	4h to	4h 03m				
23rd	eE	6-58-30						
	LE	6-59	20					
	LE	7-00	12		2			
23rd.	Small	quake from	23h 04m to	23h 20m 30s.				

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
JUNE (Continued)								
24th	eN	18-40-37						
	LN	18-51-22						
	LN	18-55-		2				
	FN	19-18						
26th	eEN	6-49						
	LE	7-02						
	LE	7-04	20		2			
	FE	8-04						
26th.	Slight record from		17h 46m to	17h 54m				
27th	O	? 12-46-55						
	ePNE	13-01-30	8					
	ePcN	13-05-28	15					
	iN	13-05-54	13					
	iN	13-12-11						
	SN?	13-13-51	10	16				
	iEN	13-15-25						
	iE	13-21-15						
	SR, iN	13-21-15	15	190				
	LE ¹	13-37-38	32					
	LN	13-38	38					
	MN	13-51-23	15	108			12,000?	Several Max.
	ME	13-52-08	17		170			
	FN	17-54						
27th	eN	23-02						
	LN	23-05		2				
	FN	23-16						
28th	LE	1-02	20		2			May not be seis-
	FE	1-10						mic.
28th.	Slight record from 9h 11m to 9h 22m							
30th.	Small quake beginning 3h 22m, no time-marks.							
30th.	Slight record 6h 28m to 6h 44m							
JAMES YOUNG								Seismologist.

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

PERIOD 12 seconds.
Magnification, 150
Damping 20-1

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		h. m. s.	s.	μ	μ	μ		
1929 July								
1st.	Slight	record 12h 21m to 12h 27m						
2nd.	Slight	record 16h 03m to 16h 24m.						
3rd.	ePEN	1-01-25						
	eSEN	1-07-30						P very weak on both components.
	eE	1-10-56						
	LN	1-13					4320	
	MN	1-16-40	5	5				
	FN	1-51						
3rd.	LN	18-53						
	LN	19-04		2				
	FN	19-41						Wind masks EW
4th.	O	4-28-37						
	ePN	4-36-35						P very weak, not recorded on EW
	PR ₁ EN	4-38-10						
	eSN	4-42-52					4550	
	SE	4-43						
	SR ₁ E	4-46-00						
	LN	4-49-10						
	iN	4-51-05	4	15				
	ME	4-51-09	8					
		to 4-51-24	8		20			
	MN	4-53-56	10	24				
	FN	5-43						
4th	eEN	7-26-17						
	LN	7-31-17						
	LN	7-32	15	2				
	FN	7-58						
4th	Small	quake with L at 8h 14m ending 8h 19m						
5th	O	14-18-52						
	ePN	14-29-23						Taking deflections on EW when P came in.
	iPN	14-29-25						
	iSEN	14-37-55						
	SR ₁ N	14-42-38					7060	
	SR ₂ N	14-45-00						
	LN	14-48-12						
	MEN	14-58-04	17	-231	108			
	FN	18-58						
5th	Small	record 19h 19m to 19h 50m						
5th	O	22-36-17						
	ePEN	22-46-39						
	iSE	22-54-54						
	eSN	22-55-02						
	LEN	23-05-02						
	iLE	23-10-10	19		28			
	ME	23-14-58	17		70		6890	Lat. 51 N Long. 17 W
	MN	23-15-12	17	40				
		to 23-15-47						
	FN	1-53-02						
6th	O	2-03-45						
	ePEN	2-14-10						
	eSE	2-22-26						
	eSN	2-22-37	8				6960	
	eLN	2-32-30						
	MN	2-42-47	15	24				
	ME	2-42-26	15		24			
	FN	5-22						

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

NO. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			REMARKS	
				A N μ	A E μ	A Z μ		
JULY (continued)								
6th	ePEN	9-54-05					4340 Azores.	
	iPR, LEN	9-55-38						
	iSE	10-00-11						
	eSN	10-00-11	15					
	iN	10-03-33						
	LN	10-06-19	22	22				
	ME	10-10-13	17		32			
	FN	11-48						
7th	Slight record	6h 52m to		7h 16m				
7th	Slight record	9h 59m to		10h 40m				
7th	O	21-23-07						
	iPEN	21-33-28						
	iSE	21-44-46	12		-82			
	iSN	21-41-50						
	SR, iN	21-46-38						
	iLN	21-52-21						
	LE	21-52-26	30		-420		6870 Aleutians.	
	ME	21-59-58	17		+350			
	MN	22-02-20	18	+407?				
	FN	3-45-00						
8th	eN	17-02-08						
	LEN	17-03-08						
	MN	17-03-25	12	8				
	FN	17-22						
8th	Small record	from 18h 51m to 19h 23m						
8th	eN	19-26-38						
	eE	19-27-32						
	LEN	19-42-45						
	MN	19-54-08	15	5				
	FN	21-37						
9th	Small record	from 9h 15m to 9h 35m.						
11th	eN	21-07-22						
	SE	21-15-48						
	eSN	21-15-52						
	iN	21-17-11						
	LN	21-33-23	19	4				
	FN	23-00						
12th	Small record	10h 54m to 11h 03m						
12th	eN	16-13						
	INE	16-15-18						
	iN	16-17-21						
	ME	16-17-22			7			
	FN	17-00						
13th	Small record	from 8h 19m to 8h 46m, more marked on EW component						
13th	eN	15-21-08						
	LN	15-43-45						
	EN	15-51		3				
	FN	17-15						
14th	Slight record	from 6h 57m to 7h 22m						
14th	eW	9-10-22						
	eN	9-19-30						
	LE	9-36	25		2			
	LN	9-39	25					
	LE	9-44	15		3			
14th	PN	9-43-41					F masked by next quake. P interfered by trailers	
	eE	9-48-50						
	eSE	9-58-12					iSN - 9h 58m 16s	
	iSE	9-58-18						
	LN	10-16-30						
	ME	10-19-58	21		25			
	MN	10-25	22	17				
	FN						FN - 12h 08m	

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

NO. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS	
				A N μ	A E μ	A Z μ			
JULY, 1930 (Continued)									
15th	eEN	8-07-48							
	LN	8-40		2					
	FN	9-35							
15th	Small quake with L at 10h 07m ending 10h 26m								
16th.	Small quake from 1h 41m to 2h 39m								
17th.	PEN	8-48-17						Times doubtful, no time marks.	
	SEN	8-56-39							
	LE	9-06-15							
	ME	9-12-	21		20				
	MN	9-17	22	20					
	FE	11-23							
17th.	Slight record 20h 46m to 21h 42m								
18th	eE	7-02-08						P not recorded Whole SW Coast of Iceland was shaken at 18h 45m. Heaviest in 50 years exper- ience.	
	eN	7-00-29							
	LN	7-02-28							
	MN	7-03-58	10	17					
	ME	7-04	10		8				
	FN	7-36							
21st.	Small quake from 11h 02m to 11h 30m.								
21st.	Slight record 14h 27m to 14h 44m								
23rd	Slight record 14h 33m 30s to 14h 38m								
23rd	SEN	18-56-20							
	LN	18-59-10							
	LE	19-00-30							
	MEN	19-03-12	15	12	12				
	M2E	19-09-30	10		7				
	FN	20-54							
25th.	Small quake from 1h 04m to 1h 20m.								
25th	Slight record 23h 20m 10s to 0h 05m.								
26th	eE	23-26-23						James Young, Seismologist.	
	LE	23-42-27			2				
	eN	23-12-05							
	FE	0-26							
27th	Small record 13h 09m to 13h 29m								
28th.	Very slight trace 20h 44m to 20h 47m								
29th	Slight record on EW component, 12h 02m to 12h 20m								
30th	Small quake 2h 21m 15s to 2h 35m.								
30th	Small quake from 4h 07m to 4h 25m.								
30th.	eN	7-55-15							
	eE	7-55-38							
	iE	7-58-34							
	eN	7-58-38							
	LE	8-02-06	15		4				
	LN	8-03-10	22	12					
	FN	8-32							

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

PERIOD 12 Seconds
MAGNIFICATION 150
DAMPING 20-1

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		h. m. s.	s.	μ	μ	μ		
1929	AUGUST.							
1st.	eE?	5-30-30						
	LE	6-04						
	LE	6-15			2			
	FN	6-55						
1st.	Small record	from 9h 05m	to 9h 57m,	interfered by wind.				
3rd.	Slight record	13h 14m	to 14h 23m					
3rd.	eE	15-57-10						
	LE	15-59-15			2			
	LE	16-08						
	FE	17-19						
3rd.	eN	19-04-23						
	LN	19-20-50						
	MN	19-22-55	17	4				
	FN	20-30						
4th	Small quake	from 9h 27m	to 9h 32m,	no time-marks on sheet.				
4th.	Small record	from 23h 06m	to 23h 46m.					
5th.	Small quake	from 14h 43m	to 14h 46m,	wind interfered with record.				
6th.	Slight record	from 1h 54m	to 2h 04m,	no time-marks.				
7th	Slight record	2h 40m	to 2h 45m					
8th	LE	13-53 to						
		13-58	37		3			
	LE	13-59 to						
		14-08	22		3			No time-marks, times approximate.
	FE	15-22						
12th.	iPN	11-25-08		7?				
	iSN	11-25-22					130	Attica, N.Y.
	LN	11-37						No time-marks on sheet, times are approximate.
	FN	11-46						Felt throughout (S. Ontario, N.Y. (Ohio & Pa. states. (Vibs. too rapid to record M.
	iPE	?11-25-05	?2		7?			
	iSE	?11-25-19						
13th.	Small record	15h 19m	to 15h 28m,					
13th.	Small record	19h 36m	to 19h 45m					
14th.	Small quake	from 3h 11m	to 4h 16m					
14th	eN	14-47-23						
	LN	14-50-10			2			
	LN	14-57-32						
	FN	15-40						
14th	eN	19-16-08						
	LN	19-22						
	LN	19-25			2			No time-marks Dual eq.
	FN	20-22						
15th	O	19-56-20						
	iPN	20-03-45						
	iPR2N	20-05-13					4090	P not recorded on EW component. S not defined on NS Sinusoidal 20h 15m to 20h 19m 15s
	eSE	20-09-37						
	SR1E	20-12-08						
	ME	20-16-45	19		44			
	MN	20-20-10	17	7				
	FE	21-58						
16th	Small record	10h 46m	to 10h 52m,	more marked on NS				
16th	Small record	23h 07m	to 0h 08m	of 17th.				
17th	O	23-40-33						
	iPN	23-47-13						
	ePE	23-47-11						
	iSNE	23-52-29					3490	
	LN	23-56						
	LE	23-57-11	15		12			
	ME	0-03-29	15		24			
	MLN	0-03-56	15	24				
	M2N	0-12-32	11	19				
	FN	1-44						

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		h. m. s.	s.	μ	μ	μ		
1929 August, continued.								
19th	eN	3-25						
	LN	3-45						
	MN	3-56	15	6				Times approximate, no cut-off of light
	FN	4-48						
19th.	Slight record from 21h 49m to 22h 08m							
20th	eN	17-44-52						
	LN	17-58-30						
		to 18-00	17	8				Times doubtful, no time-marks.
		and 18-01-15						
		to 18-07	12	4				
	FN	18-44						
28th	iE	19-15-04						
	eE	19-27-22						
	LE	19-35	22					
	LE	19-44-45	15					
	FE	21-15						
29th	Slight record on NS Component from 20h 58m to 21h 03m							
30th	Slight record on EW Component from 15h 30m to 8h 13m 30s to 8h 32m.							

James Young,
Seismologist.

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Miller-Shaw.

Period 12 seconds
Magnification 150
Damping 20-1

NO. AND DATE	Phase	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		h. m. s.	s.	μ	μ	μ		
1939								
SEPTEMBER								
1st	LE	16-55						
	LE	17-03 to						
		17-07-23	15		3			
	LE	17-03-38		1				
	FE	17-42						
2nd	Small record on NS component, 11h 38m 39s to 11h 40m							
5th	eE?	10-16-30						
	iE	10-17-15						
	LE	10-17-45	12		2		Marked micros.	
	FE?	10-25						
8th	eN	10-59						
	LN	11-00	12	4				
	FN	11-34						
8th	Slight record from 12h 06m to 12h 10m on NS component.							
8th	eN	14-15						
	LN	14-15-30	10	2				
	FN	14-36						
8th	Slight record from 20h 31m 30s to 20h 36m							
10th	eN?	?21-04-38						
	LN	21-37-35						
	eN?	21-45-15						
11th	Slight record from 23h 19m 00s to 23h 46m more marked on EW.							
14th	LN	3-09-28	25					
	LN	3-14	18	2				
	FN	3-45						
14th	Small record from 13h 46m 08s to 13h 54m 10s							
16th	iE	3-59-43						
	eE	4-03-03						
	eE	4-08-04	10					
17th	eE	5-47-15						
	eN	5-51						
	LN	5-53 to	15	3				
		5-56-30						
	FE	6-13						
17th	O	19-17-13						
	ePEN	19-24-22						
	iE	19-24-38						
	iE	19-24-52						
	iSEN	19-30-02						
	LEN	19-34-13						
	ME	19-36-32	10?		-184			
	MN	19-38-45	8	380				
	LE	22-08-10	17					
	FN?	23-48						
18th	Small quake with L at 17h 19m on NS, EW not recording.							
21st	eN	16-47-38						
	LN	16-52-20		4				
	FN	17-22						
22nd	Small quake from 17h 03m to 17h 09m.							
22nd	Slight record from 21h 28m 10s to 21h 35m							
23rd	Small record from 16h 25m to 16h 37m on NS component.							
23rd	Very slight record on NS from 23h 35m to 23h 42m.							
23rd	iE	23-47-28						
	iE	23-50-50						
24th	Slight record from 2h 24m to 3h 12m							
24th	Slight record from 17h 57m 30s to 18h 01m on NS only.							

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
		h. m. s.	s.	μ	μ	μ		
1929.								
SEPTEMBER (continued)								
26th	eN	5-10-38						
	LN	5-23-15	17					
	MN	5-24-32	15	4				
	FN	7-04						
26th	Small record from 8h 37m to 9h 21m, more marked on EW							
26th.	LN	15-57-13						
	LN	15-59						
	MN	15-59-13	13	5				
	FN	16-27						
26th	Slight record 19h 34m to 19h 40m.							
26th	LN	20-16-30	12	5				
	FN	20-27						
27th	O	23-16-04						
	ePEN	23-22-30						
	eSEN	23-27-28						
	eN	23-29-08						
	LE	23-30-11						
	iLN	23-31-34						
	MEN	23-33	8	-80	+44	2220		P & S weak.
	FN	0-57						MN Irregular.
28th.	Slight record from 22h 41m 10s to 22h 52m							
29th	Very slight record 19h 44m to 19h 49m							
				James Young,				
				Seismologist.				

NO. AND DATE 1929	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			▲	REMARKS
				A _N μ	A _E μ	A _Z μ		
OCTOBER								
1st.	Slight records from		12h 29m to		12h 37m.		From	21h 23m to 21h 45m
	and from		22h 19m to		22h 23m.			
2nd.	Small records from		0h 56m 30s to		1h 07m.		From	9h 47m to 11h 10m
	and from		11h 27m to		11h 59m.			
4th.	LN	4-13-00						
	LN	4-16-00	15	2				
	FN	4-31						
4th.	iE	10-13						Sharp vibs. on NS
	LE	10-14-08	8					at 10h 13m 45s to 10h
	FN	10-23						19m, short period.
5th	LE	3-54-22	23					
	LE	4-01-15	15		3			
		to 4-08-37						
	FN	4-56						
5th.	O	17-00						
	ePNE	17-11-08					7750	P on EW very weak.
	eSN	17-20-15						Uniform waves on
	iPSN	17-20-32						NS 17h 39m to 17h 56m.
	LN	17-37	23	11				
	ME	17-38-41	15		9			
	FE	?18-45						
6th	eEN	6-07-08						
	LE	6-13-15	15		1			
	LN	6-21	15	2				
	FN	6-53						
6th	O	7-51-28						
	ePE	8-02-21						
	iSE	8-11-14	12				7470	
	LE	8-24-15						
	ME	8-29-22	17		15			Hawaii
	iSN	8-11-14						F lost in next
	LN	8-23	22					quake.
	M1N	8-28-08	12	9				P not recorded
	M2N	8-29-15	15	12				on EW record.
6th	Uniform L waves from		8h 33m to		8h 46m and again from			
			8h 47 to 8h 52m					
	ME	8-49	17	20				
	FN	11-27						
6th.	eN	14-04						
	LE	14-10	15		3			
	FN	15-00						
8th	iE	17-44-56	12					
	LE	18-23-12	20		10			Sinusoidal waves on
	ME	18-24-27	15		18			NS from 18h 07m 52s
	MN	18-20-26	15	8				to 18h 08m 38s, small
	FN	20-02						amp.
14th	iN	10-26-50						
	iN	10-59-42	15	6				Intermittant sinu-
	LN	10-43-45	17	7				soidal waves small
	ME	10-43-00	15		9			amp 10-39-30 to
	FN	12-03						11-18-30
16th	eN	21-01-37						
	LN	21-29	22					Possibly a dual eq.
	FN	23-08						Wind on EW.
18th	Slight record		0h 30m to		0h 43m.			

Time; Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	Phase	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 October, continued.								
19th	O	10-12-53						
	ePN	10-23-34						P on EW very weak.
	iPN	10-23-42						
	iN	10-24-32						7260 N.Chili.
	SN	10-32-16						
	iSE	10-32-18	6					S on EW strong.
	iN	10-32-45						
	iE	10-33-10						Several sharp impulses after P & S.
	eLN	10-44-23						Marked L on EW from 10-43 to 10-47
	LN	10-47-04	30	83				
	LE	10-46	30		105			
	FN	13-23						
20th	Very	slight record	4h	04m	to	4h	12m.	
20th	LE	16-34						
	LE	16-38-41				3		
	FN	16-57						
21st	Slight	record	11h	28m	to	11h	59m.	
24th	eN	7-27						
	eLN	7-31						
	LN	7-41-30				2		
	FN	8-22						Wind on EW.
24th	Slight	record	21h	28m	to	21h	45m	
28th	Slight	record on EW	23h	08m	to	23h	15m.	
29th	Slight	record	6h	37m	to	7h	13m, heavy winds make phases doubtful.	

James Young,
Seismologist.

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT
 INSTRUMENTS—Two Miloa-Shaw.
 Period 12 Seconds.
 Magnification 150
 Damping 20-1

No. AND DATE	PHASE	TIME h. m. s.	PERIOD s.	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 NOVEMBER								
1st.		Slight record 7h 17m to 7h 42m.						
3rd.		Small record 11-27 to 12-03						
4th		Small record 16-35 to 17-18						
5th		Small record 12-04 to 13-22						
6th	LN	6-03-27						
	LN	6-03-52	10	2				
	F	6-11						
8th	eN	3-34-15						
	LN	3-44-34						
		to 3-47-30	15	6				
	FN	4-18						
9th	O	1-40-17						
	P	1-50-31				6750	P weak	
	eS	1-58-47						
	L	2-09-52	13	4				
	L	2-18-18	15	5				
	F	3-45						
10th		Small record 9-41 to 9-51 on NS component.						
11th	L	at 12-24-38 to 12-33						
13th	eN	1-27-13						
	LN	1-47						
	LN	1-55-43						
	F	2-14						
15th	eN	19-10-15						
	iN	19-18-04						
	iN	19-20-00						
	iN	19-37-30						
	LN?	19-41-30						
	ME	19-52-06	22		-116			
	MN	19-54-51	22	+116				
	FN	23-24						
16th	eN	11-08						
	LN	11-08-23						
	MN	11-09	12	4				
	F	11-32						
17th	eN	4-04-20						
	iN	4-14-15						
	eN	4-21-18						
	iLN	4-48	26					
	MN	4-49-15	23	75				
	F	Micros						
18th	O	20-32-12						
	iPE	20-35-51						
	PN	20-35-53				1730	O from EW 20-31-51 Off SW coast of Newfoundland.	
	iN	20-36-00						
	iN	20-36-08	7	24				
	iSN	20-38-52						
	iSE	20-39-00						
	L?	20-40						
	MN	20-40-45						
	LN	23-35-30	15		-82mm 40mm.		F merged into next quake.	
18th	iN	23-06-08						
	iLN	23-10-38						
	MN	23-11-23	6	13				After shock
	F	?0-17						
19th	LN	2-10-17						
	MN	2-10-38	6	7				After shock
	F	2-17						

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw.

No. AND DATE	PIERCE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N	A E	A Z		
1929.				μ	μ	μ		
November, (continued)			s.					
23rd.	e	0-23-						
	eN	0-24-13						
	eN	0-40-17						
	eE	0-40-30	13		5			
	LN?	1-06-06						
	LN	1-12-14	17	7				
	ME	1-13	17		7			
	F	?2-52						
28th	Slight record 8-44 to 8-52							
28th	Slight record 20-07 to 20-17							
James Young, Seismologist.								

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

PERIOD 12 SECONDS.
MAGNIFICATION 150
DAMPING 20-1

INSTRUMENTS—Two Milne-Shaw

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A N μ	A E μ	A Z μ		
1929 DECEMBER.		h. m. s.	s.					
3rd.		8-40 to 8-59						Small record.
4th.		6-47 to 7-10						" "
4th.		8-05 to 8-30						
5th.		15-38 to 15-38-30						Local, Sherbrooke Q.,
6th.		12-06 to 13-12						Distant.
6th	eN	17-05-44						
	iEN	17-11-33						
	iN	17-15-00						
	LN	17-46-37						
	F	19-39						
6th	iEN	20-46-05						
	iE	20-47-27						
	eN	20-54-37						Small amp. distant
	LN	21-23-22						
	F	22-54						
9th	iNE	6-52-47						
	eN	7-09-27						Winds effect EW
	iN	7-11-31						disturbing early
	iN	7-12-31						phases.
	iE	7-29-14						
	LE	7-54-26						W. of Sumatra.
	LN	7-55						
	LE	8-03-20	22					
	LN	8-08	20	19				
	F	10-00 ca.						
10th		14-42 to 14-54						Trace only.
11th		7-44-30 to 7-55						Trace on NS.
12th		0-35 to 0-47						Small, winds on EW
13th.		5-21-10 to 5-28						
13th		9-02 to 10h						Sinusoidal, EW only.
13th		11-26 to 11-34						Felt in Sherbrooke.
14th		4-55-30 to 5-26						Trace only
14th	eN	22-33-30						
	LN	22-41-18						Small amp.
	F	23-14						
15th.	eN	1-44-26						
	iSN	1-45-14	27					
	LN	1-49-15	15	7				
	F	2-30						
15th		13-05 to 13-15						Microseisms and
15th		16-09-35 to 16-26						winds effect
16th	eLN	12-15-45						record.
	iLN	12-28-03						
	F	13-20						
17th	O	10-58-48						
	ePN	11-09-27						NS lines bunched,
	iN	11-09-34						interpretations
	iPR2N	11-13-34						made difficult.
	iSN	11-18-11						
	SR2N	11-25-28?						Very large record
	LN?	11-30					7200	
	MN	11-33 to 11-44	22	-2mm				
	O	10-58-33						
	eE	11-09-17						
	iPE	11-09-32						
	iPR1E	11-11-51						Wind effects
	iSE	11-18-07	17		-180			before P mar.
	iSR1E	11-22-33						
	SR2E	11-25-40	24					
	MLE	11-29-40	34					
	ME	11-34 to 11-37	22					12mm

Time: Mean Greenwich, MIDNIGHT TO MIDNIGHT

INSTRUMENTS—Two Milne-Shaw

NO. AND DATE	PHASE	TIME	PERIOD	AMPLITUDE			Δ	REMARKS
				A _N	A _E	A _Z		
		h. m. s.	s.	μ	μ	μ		
DECEMBER 1929.								
17th		18-02 to 18-42					After shock.	
17th		21-28-15					F covered by next	
17th	eN	21-57-22						
	LN	22-27-40	22					
	F	23-14						
18th		5-33 to 5-51					Small trace on NS	
18th		7-22-30 to 8-35						
18th	eN	13-04-34					Small amplitude.	
	LN	13-23-28					Winds effect EW	
	F	14-21						
19th		10-40-24 to 11-34-20					Small.	
19th		20-00-30 to 20-39						
20th		7-47-47 to 8-01					EW masked by winds	
20th		8-17-38 to 8-30						
20th	eE	10-37-45						
	LE	10-40-52						
21st		11-40-25 to 12-34					Trace.	
24th	iN	4-58-44						
	LN	5-22-30						
	LN	5-29-07	15				Small amp.	
	F	6-30						
28th		2-38 to 3-13						
28th	eE	12-10-08					Small record, end	
	LE	12-43					lost, shifting.	
30th	eE	11-35-49					NS lines crossed,	
	LE	11-48					small amp.	
	F	12-07						
31st.	eN	1-30-45						
	LN	2-08						
	F	3-01						
31st.		5-11-45 to 6-45						
31st.		23-07 to 23-34					Trace.	

Wm. G. Carroll,