(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of January, 19 36

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 19 .	Phase.	Time. h. m. s.	Period. s.	Amplitude A_E. μ.	Remarks.
January 2	eP	17 39 58			Preceded by microseisms
	eS	17 50 28			
	(SP)	17 50 43			
	PS	17 51 14			
	F	18.0			
2/3	eP	22 45 38			
	S	22 54 47			
	L	23 06 45			
	M_1	23 14 50	26	± 221	
	M_2	23 16 58	16	± 86	
	F	1.8			
6	P	12 39 05			
	S	12 42 34			
	M	12 47 45	13	± 18	
	F	13.3			
14	e	14 25 38			
	i	14 35 12			
	i	14 36 05			
	i	14 36 42			
	i	14 39 30			

Govt. Press 5053 A, 1930-400 ex.

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of January, 19 26

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 19 .	Phase.	Time. h. m. s.	Period. s.	Amplitude A_E. μ.	Remarks.
January Cont. 14	i	14 39 20			
	P	16.4			
14	e	18 00 42			Very weak
	i	18 03 25			
	P	20.3			
15	e	15 03 00			Very weak
	e	15 06 16			
	i	15 06 46			
	P	17.3			
20	e	8 09 13			
	S	8 12 22			
	L	8 15 00			
	M	8 17 43	15	± 12	
20	iP	17 09 24			
PP	PeP	17 09 42		PeP	
	pP	17 10 00			
	PR	17 13 22			
	SeRes	17 19 53			
	SePePeS	17 20 22			

Govt. Press 5053 A, 1930-400 ex.

2

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of January, 19 35

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 19 .	Phase.	Time.	Period.	Amplitude $A_{E.}$	Remarks.
		h. m. s.	s.	μ.	
January Cont. 20	iS	17 20 43			
	sS	17 22 05			
	L	17 45 22			
	F	19.7			
Tremors were also recorded at :-					
	D H	D H	D H		
	15 6	16 8	16 10		
	23 14	27 17	27 20		

Aquí hay un error

Govt. Press 5053 A, 1930-400 ex.

3

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of February, 1936

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 193 .	Phase.	Time. h. m. s.	Period. s.	Amplitude A_E. μ.	Remarks.
February 7	eP	9 06 33			Confused with micro-seisms
	iPR,	08 50			
	iPR_2	10 18			
	eS	14 45			
	PS	15 09			
	e	16 13			
	SR_2	20 47			
	L	25 25			
	F	18.0			
10	e	18 24 25			very weak & preceded by microseims
	e	24 40			
	F	20.0			
12	e	11 01 18			highly preceded by microseisms
	e	06 00			
	F	11.4			
13	P	13 00 55			
	e	03 04			
	e	09 12			
	SCPCS	11 36			
	iS	12 43			

Govt. Press 7911 A. 1932-507 ex.

4

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of February **, 19** 36

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$. $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 19 .	Phase.	Time. h. m. s.	Period. s.	Amplitude A_E. μ.	Remarks.
February Cont. 15	PS	13 14 15			
	M_1	51 12	18	± 86	
	M_2	53 00	21	± 114	
	M_3	55 50	23	± 132	
	F	16.2			
16	e	14 34 27			
	e	39 42			
	F	15.2			
17	P	18 06 43			Local
	S	47			
22	e	15 50 28			Confused with micro-seisms
	e	55 07			
	e	55 20			
	L	16 38 07			
	M	49 37	20	± 57	
	F	18.7			
22	e	19 45 12			
	e	46 03			
	F	22.2			

Govt. Press 5053 A, 1930-400 ex.

5

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS.

For the Month of February **, 19** 36

FROM HELWAN OBSERVATORY, EGYPT.

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Date 19 .	Phase.	Time. h. m. s.	Period. s.	Amplitude A_E. μ.	Remarks.
February 24	e	16 32 54			
	e	38 08			
	F	17.1			
27	e	10 17 38			Preceded by micro-seisms
	e	27 55			
	F	12.9			
2-	i	16 38 30			
	e	39 40			
	e	40 47			
	F	17.7			

Small tremors were also recorded at :-

D	H	D	H	D	H	D	H	D	H	D	H
2	16	3	03	5	04	6	22	7	02	7	04
7	13	8	03	8	13	11	05	14	04	16	04
18	15	18	21	21	02	21	15	22	20	22	21
18	03	28	04								

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Govt. Press 5053 A, 1930-400 ex.

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of March, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
March 1	e	10 33 50			Preceded with microseisms
	P	35 15			
	$S_cP_cP_cS$	43 16			
	L	11 08 28			
	M	21 22	15	± 11	
	F	13.4			
2	P	3 31 43			
	S_cP_cS	42 03			
	S	25			minutes cutting, not certain
	L	4 06 04			
	M	17 04	20	± 17	
	F	Lost in changing the paper			
13	P_n	13 02 09			Local
	F	11			
19	Begining	6 11 00			Local
20	"	20 58 07			Local (very small)
21	e	2 10 05			
	e	16 35			

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of March, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw, recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
March Cont. 21	F	3.3			
22	e	4 46 35			
	F	6.1			
22	e	12 37 00			
	F	15.1			
25	e	8 58 06			Preceded with micro-seisms
	e	9 15 15			
	F	10.3			

Small tremors were also recorded at :-

D	H	D	H	D	H	D	H	D	H
4	16	6	15	10	9	10	21	11	2
17	21	18	12	18	23	26	15	27	3

8

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of April, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
April 1	iP	2 22 37			
	pP	23 00			
	PR	25 52			
	iS	33 05			
	sS ?	33 45			
	M	3 11 45	16	± 108	
	F	6.0			
1	P	20 24 06			
	S	34 38			
	F	22.9			
9	e	16 23 45			
	F	18.5			
12	P e	0 1 33			
	i	52			
	F	0.7			
12	P	21 4 49			
	e	5 42			
	e	11 02			
	S	17 57			
	e	18 40			
	F	23.9			

9

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of April, 193 6

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12ˢ·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
April 17	P	22 20 10			
	S	24 02			
	M	29 50	10	± 10	
	F	-			Lines overlaping
19	e	5 22 45			
	i	26 53			Lost in changing the paper
	F	9.2			
19	eP	9 14 10			Beginning confused with the end of the preceding
	M	41 39	20	± 37	
	F	11.5			
21	P	2 19 20			Preceded with tremors
	iS	23 40			
	M	29 51	14	± 29	
	F	3.5			
23	i	10 8 25			Preceded with strong microseisms
	F	-			Lines overlaping
27	e	0 9 22			Preceded with tremors
	i	17 55			
	F	1.5			

10

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of April, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
April 28	e	23 17 15			
	iS	18 38			
	F	23.6			

Tremors were also recorded at :-

D	H	D	H	D	H	D	H	D	H
2	7,8,9	8	5	9	8,9	11	4	13	4,8
14	18	15	16	16	17	20	19	24	14,19
26	10	28	6,7,8,14	29	17				

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of May **, 1936**

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
May 5	P	9 07 37			Local (very small)
8	iP	9 23 14			
	pP	23 30			
	e	25 20			
	e	27 18			
	i S	32 43			
	sS	32 56			
	i	33 55			
	F	10.3			
11	P	17 47 42			Felt in Mongalla (Sudan)
	F	20.4			
16	eP	7 04 04			
	iS	16 03			
	PPS	18 18			
	SR_1	23 32			
	SR_2	27 43			
	L	38 00			
	M	46 22	17	± 37	

12

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of May, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 193—	Phase	Time	Period	Amplitude A_E	Remarks
		h. m. s.	s.	μ	
May 19	eP	7 34 18			Preceded with microseisms
	pP	34 28			
	e	36 12			
	iS	43 37			
	sS	43 52			
	e	44 48			
	e	45 26			
	F	8.3			
19	e	21 14 00			Preceded & confused with microseisms
	F	23.2			
20	e	3 26 18			Preceded & confused with microseisms
	e	30 23			
	e	43 32			
	F	Lost in changing the paper			
22	e	0 35 20			Preceded with microseisms
	e	44 40			
	e	45 40			
	M	1 27 22	15	± 12	
	F	2.9			
23	P	22 30 18			Local (very small)
23	Very week earthquake.				

13

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of May, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12".0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
May 27	iP	6 27 30			
	e	29 32			
	iS	34 15			
	e	37 50			
	e	38 48			
	M	50 15	13	± 53	
	F	10.0			
28	Earthquake				Lines overlaping

Tremors were also recorded at :-

D	H	D	H	D	H	D	H
1	13	3	3	5	21	6	16
8	16	10	15,16, 17,18	11	2	21	4
24	13	25	4				

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of June, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M.R.Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

June

Date 193—6	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
9	P	16 47 45			
	S	56 55		--	
	M	17 16 42	23	± 22	
	F	18.2	...	...	
10	eP	3 11 03			
	F	Confused with the begining of the following earthquake.			
10	P	Confused with the end of the preceding earthquake.			
	S	3 40 23			
	I	41 20		--	
	M	49 12	13	± 29	
	F	5.0	...	...	
10	E	8 37 38			Preceded & confused with microseismo.
	PR.	43 23			
	SePePeS	50 27			
	S	50 53			
	PS	52 18			
	PPS	53 22			
	F	11.4			
10	P	13 20 54			Local (very small)
10	e	14 52 25		--	
	M	15 01 20	17	± 5	
	F	15.3			
10	e	17 17 15			
	e	48			
	e	22 05		--	
	M	31 19	12	± 12	
	F	18.2	...	...	

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of June, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M.R.Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
11	P	–			Proceded & confused with microseisms
	e	9 54 40			
	eS	55 00		~	
	M	10 03 54	13	±9	
	F	10.7			
11	P	11 57 42			Local (Not felt)
	S	52			
	F	58			
13	e	0 34 27		~	
	M	37 30	5?	±26	Difficult to mesure owing to many intervals not distinct. Precede with microseisms.
	F	1.5			
14	eP	17 03 27			
	e	04 49			
	F	18.3			
21	e	19 0? 15			Preceded & confused with microseisms.
	e	9 58			
	F	19.5			
22	e	19 38 25			Preceded & confused with microseisms.
	e	47 45			
	F	21.1			

A/F.

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of June , 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion.
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 9892 A. 1935-300 ex.

Date 1936	Phase	Time	Period	Amplitude A_E	Remarks
		h. m. s.	s.	μ	
29	iP	14 36 31			
	PR	37 45			
	S	41 35		~	
	M	51 08	20	± 20	
	F	16.0			
30	iP	15 19 27			
	i	23 00			
	i	26 50			
	SePeS	29 52			
	S	30 53			
	i	35 57		--	
	M	16 06 04	16	± 98	
	F	19.6			
30	eP	19 31 31			
	iS	36 00			
	SR	37 27		--	
	M	43 55	10	± 36	
	F	21.0			

Tremors were also recorded at :-

D	H	D	H	D	H	D	H	D	H	D	H
1	12	3	4,10	5	13	6	17	7	5,8	9	1
10	20	14	4	16	1,16	17	9	18	16	19	17
20	7	25	11	27	14	28	9				

A/F.

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(FORM No. 620, 1-34)

SEISMOGRAPH RECORDS

For the Month of July, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Hadwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = $12^{s}{\cdot}0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

DATE 1936	PHASE	TIME	PERIOD	AMPLITUDE A_E	REMARKS
		h. m. s.	s.	μ	
5	P	I9 08 I6			
	pP	46			
	i	09 00			
	PR_I	I2 20			
	ScPcS	I8 45			
	ScPcPcS	I9 I5			
	iS	I9 37			
	sS	20 54			
	F	22.0			
I3	ePcP	II 26 50			
	PR_I	3I 25			
	PR_2	34 00			
	(PS)	4I 25			
	M	I2 22 30	20	± 236	
	F	I5.8			
26	Begining confused with microseisms				
	PR_I	7 56 05			
	PR_2	58 27			
	(PS)	8 05 38			
	(PPS)	06 50			
	M	45 43	I5	± 54	
	F	II.I			

Tremors were also recorded at

D	H	D	H	D	H	D	H	D	H	D	H
3	0,4,5	4	I0	5	II	6	2,I9	I2	3,6	I5	20
I4	I2	I9	4	22	9	24	7,8	26	23	27	4
28	6,7,9,I0										

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of August, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M.R.Madwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 193—6	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
August 1	i	6 43 13			
	F	7.5			
4	i	14 31 54			
	F	15.5			
8	eP	4 14 13			
	S ?	15 25			
	F	5.3			
13	iP	20 15 41			
	S	26 35			
	M	21 04 00	18	± 18	
	F	23.1			
16	P	21 41 55			
	S	46 00			
	M	52 42	6	± 10	
	F	22.4			
19	eP	12 06 05			Preceded with microseisms
	eS	09 34			
	M	14 48	9	± 6	
	F	12.4			
20	Pr_1	2 12 48			" " "
	S	16 20			
	e	38			
	M	21 32	10	± 13	
	F	3.0			
22	iP	7 03 42			
	Pr_1	06 45			
	i	07 35			
	S	13 37			
	PS ?	57			
	M	45 51	18	± 43	
	F	10.4			
23	eP	21 22 48			Confused with a preceding small earthquake.
	Pr_2	26 06			
	iS	31 00			
	M	46 17	25	±249	
	F	0.2			

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of August (Cont), 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director M.R.Madwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
Tremors were also recorded at :-					
d	h	d	h	d h	d h
2	23	3	4,I4	9 9,I7	I0 6
I2	22	I3	I7 I4	23	I5 3
I6	I7	I7	(7,I4,I5,I6)		23 2I
24	23	25	00,2I	26 23	28 00,3,7
29	2,23				

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of ~~September~~, 193~~6~~

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ~~Dr. M.R.Madwar~~

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 193~~6~~	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
Sept 4	eP	8 22 25			Preceded with microseisms
	PR_I	26 I2			
	$(S_cP_cP_cS)$	33 I2			
	S	36			
	PS	34 32			
	M	9 I0 24	I7	± 7	
	F	9.7			
5	e	22 57 50			Very week
	e	23 02 48			
	F	23.3			
6	P	I7 59 48			
	e	I8 I0 20			
	F	20.3			
7	eP	8 58 07			Preceded with microseisms
	iS	9 02 47			
	F				Lines overlaping
I8	eP	I8 5I 30			Preceded & Confused with microseisms
	(S_cP_cS)	I9 02 08			
	S	I9			
	F	20.2			
I9	iP	I I2 40			Greater part of the paper lost, due to defective paper
	e	I3 20			
	e	I4 00			
	e	I6 37			
	M	43 07	20	± 20I	
	F	4.7			
I9	e	6 4I 20			Preceded & confused with microseisms
	S	50 I6			
	e	5I I0			
	M	7 I0 25	I5	± 9	
	F	8.3			
2I	P	II 44 07			
	e	46 47			
	F	I3.4			

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of ~~September (Cont)~~, 193~~6~~

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director ~~Dr. M.R.Madwar~~

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = $12^{s}{\cdot}0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 193~~6~~	Phase	Time	Period	Amplitude A_E	Remarks
		h. m. s.	s.	μ	
Tremors were also recorded at:-					
D	H	D H	D	H	D H
I	I0 Local	2 8	Local 3	I3,I4	5 5,23
7	3	8 I7	I2	I9	I6 II
I7	I9	20 9	22	I2	25 I4

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of ~~October~~, 193~~6~~

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 193~~6~~	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
Oct / 5	e	0 13 27			
	e	50			
	e	30 02			
	F	2.6			
/ 5	iP	6 21 23			Preceded with microseisms
	S_eP_eS	31 42			
	S	32 00			
	F	7.6			
/ 5	iP	9 57 40			
	i	58 00			
	PR_1	10 01 25			
	S_eP_eS	08 11			
	(S)	45			
	M	37 10	25	± 66	
	F	12.0			
11	e	16 28 15			
	e	29 15			
	F	17.0			
/ 15	eP	21 28 40			
	e	31 25			
	PR_2	34 20			
	e	38 40			
	M	22 22 18	15	± 7	
	F	23.3			
/ 16	P	12 16 45			Preceded with microseisms
	F	14.4			
17	P	3 15 02			
	S	19 03			
	F	3.9			
/ 19	P	13 17 48			
	e	21 35			
	S	28 20			
	M	13 05 17	25	± 31	
	F	15.0			

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of ~~October (Cont.)~~, 193~~6~~

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12ˢ·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 193~~6~~	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	Remarks
20	eP	12 52 45			
	S	57 20			
	M_1	13 02 02	10	± 5	
	M_2	03 48	08	± 5	
	F	13.4			
21	e	1 57 50			Preceded with microseisms
	M	2 15 40	10	± 4	
	F	2.7			
23	Begining lost in changing the paper				
	iS	6 48 00			
	i	20			
	i	50 30			
	M	7 23 10	27	± 31	
	F	9.9			
24	P	14 08 28			
	eS	10 15			
	F	14.6			
26	eP	19 43 20			
	S	52 42			
	M	20 13 18	20	± 23	
	F	21.2			
26	P	23 14 12			
	S	20 50			
	M	36 00	20	± 11	
	F	24.5			
29	eP	18 51 45			Preceded & confused with microseisms
	S_cP_cS	19 02 05			
	S	03 25			
	F	21.8			

Tremors were also recorded at:

D	H	D	H	D	H	D	H	D	H	D	H
4	7	10	3	13	7	21	14,20	22	4		
23	0,21	26	10	29	7	30	20	31	7		

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(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of November, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Hadwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12ˢ·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	REMARKS
2	e	6 38 20			Preceded with microseisms
	F	7.1			
2	i	9 32 40			" " "
	F	10.3			
2	eP	15 10 25			" " "
	i	45			
	S	21 15			
	M	55 09	18	± 25	
	F	18.7			
2	P	20 58 32			" " "
	pP	55			
	PR1	21 01 56			
	S	09 00			
	sS	30			
	i	16 05			
	M	40 29	20	± 57	
	F	0.5			
12	i	20 17 10			" " "
	i	27 20			
	F	20.8			
13	iP	12 44 05			
	PR_1	47 30			
	S	54 30			
	PS	55 30			
	M	13 37 02	10	± 36	
	F	16.5			
18	i	15 53 30			" " "
	i	55 40			
	i	59 33			
	F	16.7			
19	eP	22 24 50			
	PR_1	29 17			
	S_cP_cS	35 25			
	e	36 20			
	PS	38 35			
	M	15 45	20	± 14	
	F	1.0			

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of November (Cont.), 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Madwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = $12^{s}{\cdot}0$.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 1936	Phase	Time h. m. s.	Period s.	Amplitude A_E μ	REMARKS
22	e	18 27 30			Preceded & confused with microseisms
	e	47 33			
	F	21.1			
28	e	21 46 06			" " " "
	e	49 10			
	F	22.4			

Tremors were also recorded at:

D	H	D	H	D	H	D	H	D	H
1	17	3	5,16	4	8,10,20	6	21	11	17
12	9	14	20	15	22,23	22	16	23	2,19
29	9,10								

(Form No. 620, *F.C.*)

SEISMOGRAPH RECORDS

For the Month of December, 1936

FROM HELWAN OBSERVATORY, EGYPT

$\varphi = 29° 51' N$, $\lambda = 31° 20' E$, $h = 115$ m.

Director Dr. M. R. Medwar

Seismograph Milne-Shaw recording E—W motion
Theoretical magnification = 250.
Period of undamped pendulum = 12s·0.
Times are expressed in Greenwich Civil Mean Time.

Govt. Press 2955-1936-700 ex.

Date 1936	Phase	Time h.	m.	s.	Period s.	Amplitude A_E μ	REMARKS
1	(PR1)	0	03	15			Preceded with microseisms
	(ScPcS)		09	45			
	(PS)		12	40			
	e		15	05			
	M		43	00	17	± 9	
	F	2.5					
1	e	4	22	12			
	i		30	48			
13	i	21	49	06			
	i		50	30			
	i		58	06			
	i		59	05			
	F	23.0					
19	i	11	55	29			" " "
	i		56	30			
	i		57	12			
	F	12.1					
26	i	23	12	44			
	e		13	48			
	i		16	22			
	i		23	48			
	i		29	54			
	M	24	16	48	24	± 16	
	F	2.0					
29	i	15	08	00			Lines overlaping
	F	17.6					

Tremors were also recorded at:

D	H	D	H	D	H
14	4	20	3,19	21	20