

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of January 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute: 0 or 24 H = midnight.
 1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.
 Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVAL OBSERVATORY, HELWAN, EGYPT.

~~Director~~ Superintendent H. Knox shaw.

I.N. 2250-1913-5000 ex.

No.	DATE		Commencement.		MAXIMUM.		MAXIMUM	DURATION.		REMARKS.
	191 <u>7</u> .		H.	M.	H.	M.	mm.	H.	M.	
3857	Jan.	I	5	20			0.1	4	49	A
3858		2	23	50			0.1	14	29	" (Nearly continuous (small tremors.))
3859		4	17	12	17	44.2	0.3	I	30	"
3860		5	5	24			trace	I	36	"
3861		7	5	6			trace	0	40	"
3862		"	16	40			0.1	0	5	"
3863		8	3	0			0.1	5	57	" (Nearly continuous (small tremors.))
3864		"	21	20			0.1	0	7	"
3865		9	7	40			trace	0	24	"
3866		"	22	59.0			0.1	0	2	" Felt locally.
3867		10	13	42			0.1	0	41	"
3868		12	6	6			trace	0	30	"
3869		14	2	1			trace	0	5	"
3870		"	12	19			0.3	0	22	"
3871		17	3	3			0.3	I	0	"
3872		20	23	24	0	8.2	1.2	3	14	"
3873		21	7	8	0	8.2	trace	0	44	"
3874		"	17	9			trace	0	23	"
3875		"	23	35			0.1	0	50	"
3876		22	9	18			trace	0	4	"
3877		23	1	35			0.1	8	1	" (Nearly continuous (small tremors.))
3878		24	1	9			0.2	I	34	"
3879		"	3	51			trace	2	32	"
3880		"	9	5			trace	I	10	"
3881		25	3	35			0.1	0	39	"
3882		26	5	45			0.2	I	6	"
3883		"	8	8			trace	0	3	"
3884		27	15	46			trace	0	14	"
3885		28	0	53			0.1	0	47	"
3886		30	2	57.4			> 15	5	53	"S. at 3 h m 2.3 h h
3887		31	4	13	5	5.8	1.0	--	--	"Endlost between 7 & 8
3888		"	9	1			0.1	0	14	"
3889		"	11	58			trace	0	4	"

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of February 191 7.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.

1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.

Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVIAL OBSERVATORY, HELWAN, EGYPT.

~~Director~~ Superintendent H. Knox Shaw.

I.N. 2230-1913-3000 02.

No.	DATE 191 <u>7</u> .	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
3890	Feb.	I	48			trace	0	6	A
3891	"	I3	33			trace	0	20	A
3892	"	3	3			trace	0	3	A
3893	"	4	50			trace	0	9	A
3894	"	I0	40			0.1	0	57	A
3895	"	5	34			trace	0	4	A
3896	"	"	55			trace	0	11	A
3897	"	I3	23			trace	0	2	A
3898	"	8	30			0.1	0	6	A
3899	"	I0	4			trace	0	5	A
3900	"	I1	48			trace	0	7	A
3901	"	I2	34			trace	0	I3	A
3902	"	"	35			trace	0	I1	A
3903	"	"	27			0.2	3	35	A
3904	"	I3	46			trace	0	8	A
3905	"	"	6			0.1	7	I	A nearly continuous small tremors
3906	"	I3	31			0.1	0	43	A
3907	"	I4	30			0.3	I	25	A
3908	"	"	44			trace	0	I4	A
3909	"	I5	8.3	2	0.6	I.6	3	31	A S. at I 18.3
3910	"	"	34			trace	0	6	A
3911	"	23	44			0.1	0	6	A
3912	"	I6	I7			0.2	0	32	A
3913	"	I7	I2			0.1	I	58	A
3914	"	I8	37			0.1	5	I7	A
3915	"	"	57			trace	0	29	A
3916	"	I9	51			0.1	I	8	A
3917	"	20	50.3	20	38.0	I.5	3	38	A
3918	"	21	I1	I0	53.8	0.7	2	I4	A
3919	"	22	7.6	3	8.1	0.5	0	I0	A Felt locally.
3920	"	"	40.6	I0	23.9	I.3	2	23	A
3921	"	23	33			trace	0	6	A Very slight
3922	"	25	44			-----	3	I9	A Maximum lost.
3923	"	"	7			trace	0	I4	A
3924	"	26	27			0.1	I	6	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of March 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.

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Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVAL OBSERVATORY, HELWAN, EGYPT.

~~Director~~ Superintendent H. Knox Shaw.

I.N. 2250-1913-3000 ex.

No.	DATE 191 <u>7</u> .	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.	
		H.	M.	H.	M.	mm.	H.	M.		
3925	March	1	3			0.1	5	7	A.	
3926		2	19			trace	0	1	A.	
3927		3	10			0.1	0	19	A.	
3928		6	3			0.2	2	53	A.	
3929		"	23			0.1	0	11	A.	
3930		7	10			trace	0	15	A.	
3931		12	5			trace	0	7	A.	
3932		"	7			trace	0	11	A.	
3933		"	9			trace	0	17	A.	
3934		14	18			0.2	0	12	A.	
3935		15	0			0.4	2	53	A*	
3936		"	20			trace	0	5	A.	
3937		16	10	10	37.5	0.6	0	56	A.	
3938		"	21			trace	0	8	A.	
3939		18	17	44.0	17	51.5	0.5	0	28	A. S. at 17 h. 49.4 m.
3940		20	4	15		0.1	0	8	A.	
3941		21	14	38		0.1	0	9	A.	
3942		22	3	41	4	1.2	1	13	A.	
3943		24	1	56		trace	0	18	A.	
3944		"	18	2		trace	0	1	A.	
3945		"	18	38		trace	0	46	A.	
3946		25	11	4		0.1	0	15	A.	
3947		"	16	27		trace	0	6	A.	
3948		"	17	50		trace	0	2	A.	
3949		28	5	40		trace	0	9	A.	
3950		"	6	33		0.1	0	20	A.	
3951		"	17	20		0.1	0	14	A.	
3952		29	2	34		0.3	1	58	A.	
3953		31	8	15		0.1	0	7	A.	
3954		"	9	48		0.1	0	58	A.	

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of April 191 7.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.
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 Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVIAL OBSERVATORY, HELWAN, EGYPT.

~~Director~~ Superintendent H. Knox-Shaw.

I.N. 2220-1913-3000 ex.

No.	DATE 1917.	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
3955	April 2	2	9			0.1	0	11	A.
3956	"	8	41			0.2	0	22	A.
3957	"	11	7			0.2	0	28	A.
3958	"	15	40			0.1	0	8	A.
3959	"	18	50			0.1	0	15	A.
3960	3	12	55			0.2	2	34	A.
3961	4	4	42			0.1	0	48	A.
3962	"	13	45			0.2	0	24	A.
3963	"	23	8			trace	0	3	A.
3964	9	16	2			trace	0	2	A.
3965	10	2	7			trace	0	5	A.
3966	12	2	31	3	35.4	0.6	2	6	A.
3967	13	4	13			trace	0	26	A.
3968	13	17	9			trace	0	4	A.
3969	14	8	31			trace	0	4	A.
3970	15	13	40			trace	0	3	A.
3971	16	19	13	19	31.8	0.5	1	39	A.
3972	17	14	7			0.1	0	19	A.
3973	18	11	47			trace	0	33	A.
3974	19	21	41			trace	0	2	A.
3975	20	10	14			trace	0	29	A.
3976	21	0	57.0	1	11.3	0.5	1	20	A. S. at 1 h m I 1.4
3977	22	6	40			trace	0	11	A.
3978	"	14	17			trace	0	1	A.
3979	23	1	43			trace	0	42	A.
3980	25	8	10			0.1	2	16	A.
3981	26	9	45			0.1	0	23	A.
3982	"	13	20			0.2	0	27	A.
3983	27	0	52			0.1	0	7	A.
3984	"	19	57			trace	0	4	A.
3985	28	1	1			0.2	5	40	A.
3986	"	7	34			0.1	2	15	A.
3987	"	14	23			0.1	0	49	A.
3988	"	16	46			trace	0	8	A.
3989	"	20	39			0.2	10	17	A. (nearly continuous small tremors.)
3990	29	7	32			0.1	1	39	A.
3991	"	12	11			0.3	6	22	A. (nearly continuous small tremors.)
3992	30	1	23			trace	1	25	A.
3993	"	5	19			0.1	2	14	A.

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of May 1917.

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Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVAL OBSERVATORY, HELWAN, EGYPT.

~~Director~~ Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ex.

No.	DATE		Commencement.		MAXIMUM.		MAXIMUM	DURATION.		REMARKS.
	191 <u>7</u> .		H.	M.	H.	M.	AMPLITUDE.	H.	M.	
3994	May	1	1	10			0.1	0	7	A.
3995	"	"	17	34			trace	0	19	A.
3996	"	"	18	46.7	19	57.4	5.8	13	56	A.
3997	"	2	12	35			0.2	4	24	A.
3998	"	3	4	17			0.2	4	31	A.
3999	"	"	11	19			0.2	3	37	A.
4000	"	"	21	57			0.1	0	39	A.
4001	"	4	1	4	2	24.0	0.7	5	10	A.
4002	"	"	8	34			0.1	0	42	A.
4003	"	"	12	1			0.1	0	36	A.
4004	"	"	15	26			0.1	0	57	A.
4005	"	"	18	43			0.2	1	55	A.
4006	"	"	23	15			0.1	0	14	A.
4007	"	5	2	54			trace	0	3	A.
4008	"	"	5	30			trace	1	7	A.
4009	"	"	17	39			0.1	1	50	A.
4010	"	6	23	14			0.2	2	33	A.
4011	"	9	16	10.4	17	8.9	0.7	7	36	A. S. at 16 h 13.3 m
4012	"	10	8	52			0.1	0	52	A.
4013	"	"	17	13			0.2	3	27	A.
4014	"	11	1	47			0.1	2	15	A.
4015	"	"	13	47			trace	1	9	A.
4016	"	"	21	8			0.1	0	28	A.
4017	"	12	5	32			trace	0	7	A.
4018	"	13	12	15			0.1	0	42	A.
4019	"	14	1	49			0.1	0	42	A.
4020	"	"	22	26			0.2	3	7	A.
4021	"	15	15	33			0.1	0	15	A.
4022	"	17	7	25			0.1	0	41	A.
4023	"	18	5	50			"			A. End lost between 7 h & 8 m
4024	"	"	19	31			0.2	2	15	A.
4025	"	19	7	41			trace	1	5	A.
4026	"	21	9	27			0.3	1	15	A.
4027	"	"	12	1			trace	0	27	A.
4028	"	23	5	51.8	6	1.1	0.9	1	4	A. S. at 5 h 52.8 m
4029	"	"	22	4			0.1	1	45	A.
4030	"	24	19	45			0.2	2	18	A.
4031	"	26	19	4			0.1	0	54	A.
4032	"	29	5	39			0.1	3	24	A.
4033	"	31	9	1	9	57.9	2.0	4	34	A.
4034	"	"	15	2			trace	0	17	A.

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of June 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.
 1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.
 Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIWIAL OBSERVATORY, HELWAN, EGYPT.

Director Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ex.

No.	DATE 1917 .	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
4035	June	1	9 31			trace	0	16	A
4036		2	0 34			0.2	0	30	A
4037		"	4 51			0.1	0	40	A
4038		3	14 58			0.2	1	4	A
4039		"	20 35			trace	1	38	A
4040		4	1 26			0.2	3	21	A
4041		5	19 44			trace	0	2	A
4042		6	4 30			0.3	2	21	A
4043		"	11 35			trace	0	2	A
4044		"	12 33			0.1	0	46	A
4045		"	14 54			trace	0	8	A
4046		"	16 41			0.1	1	41	A
4047		7	3 17			0.1	2	26	A
4048		"	12 22			trace	0	3	A
4049		"	20 8			0.1	0	10	A
4050		"	21 23			trace	0	11	A
4051		8	1 18.2	2	8.9	0.6	3	15	A
4052		"	10 58			trace	0	13	A
4053		"	18 37			0.1	0	35	A
4054		9	17 25			0.2	2	37	A
4055		"	23 36			trace	0	6	A
4056		10	0 47			trace	0	6	A
4057		"	4 40			0.1	3	15	A
4058		"	16 21			trace	0	4	A
4059		11	11 11			trace	0	37	A
4060		12	14 49			trace	2	14	A
4061		"	18 52			0.1	0	46	A
4062		"	22 59			trace	0	5	A
4063		13	6 58	8	41.0	1.4	5	46	A
4064		"	15 1			0.1	4	37	A
4065		14	3 9			trace	1	51	A
4066		"	14 19			trace	0	5	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of June 1917.

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Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.Director Superintendent H. Knox-Shaw.

I.N. 2220-1913-3000 ex.

No.	DATE 1917.	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
4067	June 15	2	34			trace	0	19	A
4068	16	12	54			trace	0	31	A
4069	"	18	47			0.1	0	20	A
4070	17	0	9			trace	0	16	A
4071	"	9	7			0.1	2	13	A
4072	18	10	42			trace	0	48	A
4073	19	14	9			0.2	0	13	A
4074	"	15	2			trace	0	3	A
4075	21	18	8			0.2	0	35	A
4076	22	6	36			trace	0	10	A
4077	23	10	15			trace	0	14	A
4078	"	13	40			trace	0	3	A very slight
4079	24	2	28			trace	0	2	A
4080	"	3	47			trace	0	4	A
4081	"	20	8.4	20	41.5	0.4	3	4	A
4082	25	13	16			0.1	0	19	A
4083	"	18	54			trace	0	2	A
4084	26	6	9.9	7	48.9	8.9 ?	6	16	A
4085	"	14	22			0.1	2	3	A
4086	"	20	18			0.1	1	14	A
4087	27	4	55			trace	0	24	A
4088	"	12	32			0.2	1	54	A
4089	28	14	55			0.2	2	36	A
4090	29	8	53			trace	0	18	A
4091	"	16	44			0.1	2	1	A
4092	"	21	38			0.1	0	40	A
4093	30	11	0			trace	0	10	A
4094	"	16	34	19	0.0	0.5	4	43	A

N.B. Record lost from 18th. at 19h. to 19th. at 9h.

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of July 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute: 0 or 24 H = midnight.

1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.

Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.Director Superintendent H. Knox-Shaw.

I.N. 2220-1913-3000 ar.

No.	DATE		Commencement.		MAXIMUM.		MAXIMUM	DURATION.		REMARKS.
	1917.						AMPLITUDE.			
	H.	M.	H.	M.	H.	M.	mm.	H.	M.	
4095	July	1	1	16			0.1	0	53	A
4096	"	2	15	12			trace	0	4	A
4097	"	"	19	0			trace	0	7	A
4098	"	3	3	13			trace	0	22	A
4099	"	"	16	34			trace	0	2	A very slight
4100	"	"	22	0			0.1	0	42	A
4101	"	4	0	50.4	1	39.8	1.0	3	36	A
4102	"	"	5	48.1			---	3	23	A Maximum lost
4103	"	"	14	55			0.1	0	8	A
4104	"	"	18	15			0.1	0	10	A
4105	"	"	19	48			trace	0	5	A
4106	"	"	21	6			0.2	2	54	A
4107	"	5	16	30			0.1	0	21	A
4108	"	6	20	53			trace	0	34	A
4109	"	7	4	32			trace	0	9	A
4110	"	8	18	49			trace	0	38	A
4111	"	9	0	37			0.2	0	59	A
4112	"	"	4	32			0.1	0	35	A
4113	"	10	10	31			trace	0	17	A
4114	"	"	18	14			0.1	0	28	A
4115	"	11	3	29			0.1	0	21	A
4116	"	"	13	58			0.1	0	17	A
4117	"	"	23	7			0.2	2	21	A
4118	"	12	12	3			0.2	4	6	A
4119	"	"	19	21			0.1	0	19	A
4120	"	13	2	45			trace	0	6	A
4121	"	"	6	5			0.1	0	34	A
4122	"	15	10	50.7	11	20.7	0.9	2	36	A
4123	"	"	18	2.0	18	9.8	1.5	2	8	A s.at 18 ^h 5 ^m 8
4124	"	"	21	28.9	21	35.4	0.5	0	50	A s.at 21 ^h 31 ^m .4
4125	"	16	2	54			trace	0	6	A
4126	"	"	19	3			0.1	0	44	A
4127	"	17	4	18			0.1	0	7	A
4128	"	18	8	21			0.2	1	1	A
4129	"	20	3	51			trace	0	3	A
4130	"	"	13	6			trace	0	7	A
4131	"	23	6	49			trace	0	4	A
4132	"	24	16	173	16	21.6	0.7	1	13	A
4133	"	25	3	36			0.3	2	28	A
4134	"	"	23	14			0.1	2	6	A
4135	"	27	1	15.0	4	9.9	2.2	6	22	A
4136	"	"	14	40			trace	0	7	A
4137	"	"	16	37			0.2	1	59	A
4138	"	"	22	0			0.2	0	17	A
4139	"	28	0	7			0.2	3	56	A
4140	"	29	2	53			trace	0	24	A
4141	"	"	14	44.6	15	27.8	0.7	3	37	A
4142	"	"	22	6.6	23	15.0	1.8	5	19	A s.at 22h 11.1m
4143	"	30	9	37			0.1	9	31	A
4144	"	31	0	4.3	0	35.6	3.9	6	40	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of August 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.
 1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.
 Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM KHEDIVIAL OBSERVATORY, HELWAN, EGYPT.

 Director Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ex.

No.	DATE		Commencement.		MAXIMUM.		MAXIMUM	DURATION.		REMARKS.
	191 <u>7</u> .		H.	M.	H.	M.	AMPLITUDE.	H.	M.	
4145	Aug.	3	7	24			trace	0	7	A
4146		5	1	1			0.1	1	38	A
4147	"	16	10.	117	46.1		0.8	5	30	A
4148		6	10	15			0.2	0	18	A
4149		7	3	57			0.1	0	22	A
4150	"	12	27				trace	0	13	A
4151	"	16	20				0.2	1	6	A
4152		8	18	25			trace	0	14	A Very slight.
4153	"	22	30				trace	0	22	A
4154	10	1	31				trace	1	15	A
4155	"	14	46				trace	0	22	A
4156	"	22	31				0.1	0	52	A
4157	11	0	29				trace	0	22	A
4158	"	2	18				trace	0	4	A
4159	"	6	54				0.1	0	17	A
4160	13	9	6				0.1	0	23	A
4161	14	18	38				trace	0	40	A
4162	"	22	36				trace	0	2	A
4163	16	23	19				0.2	2	17	A
4164	19	4	46				0.1	0	5	A
4165	20	5	17				trace	0	5	A
4166	"	23	8.1	23	15.6		0.4	0	59	A
4167	21	10	59				0.1	0	50	A
4168	"	15	52				trace	0	41	A
4169	"	21	57.4	22	19.4		0.5	1	54	A
4170	22	6	9				0.1	0	6	A
4171	23	8	48				trace	0	3	A
4172	26	4	41				trace	0	16	A
4173	"	19	24				0.1	0	51	A
4174	"	23	8				0.1	1	47	A
4175	27	3	59				0.1	0	41	A
4176	"	21	7				trace	0	10	A
4177	28	9	44				0.2	1	10	A
4178	29	16	11				0.2	0	46	A
4179	30	3	48.7	5	13.2		3.1	6	58	A
4180	31	11	50.1	12	42.0		3.6	4	10	A S. at 11 ^h 54 ^m 2
4181	"	19	19				trace	0	5	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of September 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.

1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.

Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.*Director* Superintendent H. Knox-Shaw.

I.N. 2230-1213-3000 AX.

No.	DATE 1917.	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
4182	Sept. 3	14	35			trace	0	13	A
4183	"	17	50			trace	0	10	A
4184	4	17	1			0.2	1	10	A
4185	5	17	53			0.2	0	54	A
4186	6	15	27			0.1	0	12	A
4187	7	6	9			0.1	0	8	A
4188	9	1	21.1	1	41.2	0.3	3	35	A
4189	14	18	50			0.1	0	17	A
4190	15	9	25.3	9	48.7	2.5	1	49	A S. at 9 ^h 32 ^m 3
4191	16	18	50			0.1	0	36	A
4192	17	10	42			0.1	0	7	A
4193	"	15	16			0.1	0	30	A
4194	"	18	48			trace	0	4	A
4195	"	22	44			0.2	0	19	A
4196	18	13	58			trace	0	4	A
4197	"	16	14			0.2	1	15	A
4198	"	22	41			0.1	2	8	A
4199	20	3	10			0.2	3	8	A
4200	21	1	27			trace	0	14	A
4201	"	3	23			trace	0	36	A
4202	22	18	13			trace	0	6	A
4203	23	1	46			trace	0	19	A
4204	"	16	2			trace	0	22	A
4205	24	20	27			0.2	2	24	A
4206	25	2	56			0.1	0	44	A
4207	28	20	44			0.2	0	55	A
4208	30	23	14			trace	0	14	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of September 1917.

Time is Greenwich Civil Mean Time, in hours, minutes, and decimals of a minute; 0 or 24 H = midnight.

1 millimetre of amplitude = Velocity of paper = 25 centimetres per hour.

Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.*Director* Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ox.

No.	DATE 1917.	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
4182	Sept. 3	14	35			trace	0	13	A
4183	"	17	50			trace	0	10	A
4184	4	17	1			0.2	1	10	A
4185	5	17	53			0.2	0	54	A
4186	6	15	27			0.1	0	12	A
4187	7	6	9			0.1	0	8	A
4188	9	1	21.1	1	41.2	0.3	3	35	A
4189	14	18	50			0.1	0	17	A
4190	15	9	25.3	9	48.7	2.5	1	49	A S. at 9 ^h 32 ^m 3
4191	16	18	50			0.1	0	36	A
4192	17	10	42			0.1	0	7	A
4193	"	15	16			0.1	0	30	A
4194	"	18	48			trace	0	4	A
4195	"	22	44			0.2	0	19	A
4196	18	13	58			trace	0	4	A
4197	"	16	14			0.2	1	15	A
4198	"	22	41			0.1	2	8	A
4199	20	3	10			0.2	3	8	A
4200	21	1	27			trace	0	14	A
4201	"	3	23			trace	0	36	A
4202	22	18	13			trace	0	6	A
4203	23	1	46			trace	0	19	A
4204	"	16	2			trace	0	22	A
4205	24	20	27			0.2	2	24	A
4206	25	2	56			0.1	0	44	A
4207	28	20	44			0.2	0	55	A
4208	30	23	14			trace	0	14	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of November 1917.

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Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.~~Director~~ Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ex.

No.	DATE		Commencement.		MAXIMUM.		MAXIMUM	DURATION.		REMARKS.
	191 7.		H.	M.	H.	M.	AMPLITUDE.	H.	M.	
4240	Nov.	2	16	33.6	17	15.3	0.5	3	52	A
4241		4	12	14.0	12	47.1	9.8	4	0	A
4242		6	16	12			trace	0	5	A
4243		7	0	46			trace	0	6	A
4244		"	17	27			0.1	0	8	A
4245		8	19	59			trace	0	9	A
4246		10	5	59			0.1	0	10	A
4247		11	18	20			0.1	0	16	A
4248		13	12	27			trace	0	3	A
4249		"	20	23			0.1	0	50	A
4250		14	5	33			0.1	0	49	A
4251		"	9	41			0.2	2	42	A
4252		15	1	47			0.1	1	3	A
4253		"	9	56			trace	0	9	A
4254		"	17	51			0.2	1	28	A
4255		16	3	38.6	5	22.4	3.0	5	0	A
4256		"	16	42			trace	0	7	A
4257		"	22	31			0.3	2	56	A
4258		17	4	0			trace	0	12	A
4259		"	8	51			0.1	3	37	A
4260		18	3	11.4	4	1.4	1.0	3	35	A
4261		"	13	59			trace	0	4	A
4262		"	15	27			trace	0	4	A
4263		"	20	2			0.1	0	29	A
4264		19	5	22			trace	0	5	A
4265		20	0	2			0.1	1	44	A
4266		"	4	18			---	6	43	A Maximum lost
4267		"	12	5			0.1	1	33	A
4268		"	19	51			0.2	20	19	A Nearly continuous small tre
4269		21	17	49			trace	1	46	A
4270		"	21	35			---	14	15	A Maximum lost.
4271		22	23	45			0.1	0	47	A
4272		23	1	40	4	30.8	0.6	8	49	A
4273		24	3	49			trace	3	34	A
4274		"	11	31			0.2	2	33	A
4275		"	20	1			0.1	0	59	A
4276		25	2	1			0.2	0	53	A
4277		"	8	1			trace	0	13	A
4278		26	3	36			trace	0	4	A
4279		"	6	30			trace	0	6	A
4280		"	8	24			trace	0	7	A
4281		27	1	27			trace	0	43	A
4282		"	9	5			trace	0	5	A
4283		28	10	28			0.3	1	10	A
4284		"	14	54.5	15	0.0	0.4	1	4	A
4285		"	18	0			trace	0	4	A
4286		29	23	38			trace	2	22	A
4287		30	17	43			0.1	2	7	A

EARTHQUAKE RECORDS BY MILNE SEISMOGRAPH.

For the month of December 1917.

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Seismograph A records E.W. motion; Seismograph B records N.S. motion.

REGISTER FROM ~~KHEDIVIAL~~ OBSERVATORY, HELWAN, EGYPT.Director Superintendent H. Knox-Shaw.

I.N. 2230-1913-3000 ex.

No.	DATE 1917.	Commencement.		MAXIMUM.		MAXIMUM AMPLITUDE.	DURATION.		REMARKS.
		H.	M.	H.	M.	mm.	H.	M.	
4288	Dec. 1	9	53.2	10	1.6	1.5	1	21	A
4289	" 2	5	37			0.1	0	10	A
4290	" "	17	58			trace	0	3	A
4291	" 5	12	55.3	13	3.8	0.9	1	46	A S. at 13 ^h 0 ^m 5
4292	" 6	4	40			0.1	7	11	A
4293	" "	21	27			---	17	2	A Nearly continuous small tremors.
4294	" 7	19	59			---	41	41	A "
4295	" 9	22	32			---	11	16	A "
4296	" 11	2	8			---	6	35	A "
4297	" 12	2	4			0.1	4	54	A
4298	" 13	3	56			trace	0	12	A
4299	" "	9	11			trace	0	10	A
4300	" 14	1	5			trace	0	6	A
4301	" "	4	2			0.1	2	37	A
4302	" "	8	39			0.1	1	24	A
4303	" 15	6	19			trace	0	2	A
4304	" "	8	33			trace	0	5	A
4305	" "	9	52			trace	0	19	A
4306	" "	11	44			0.1	0	4	A
4307	" "	17	11			trace	0	10	A
4308	" 16	3	9			0.1	2	44	A
4309	" "	8	4			0.1	1	4	A
4310	" 17	23	14			trace	0	7	A
4311	@ 18	17	32			trace	0	27	A
4312	" 20	2	22			0.2	2	18	A
4313	" 21	16	3			trace	0	20	A
4314	" "	18	12.8	19	12.7	0.6	5	32	A
4315	" 22	6	43			---	2	17	A Maximum lost.
4316	" 23	4	47			trace	0	18	A
4317	" "	5	53			trace	0	7	A
4318	" "	7	53			trace	0	16	A
4319	" 24	3	19			0.1	5	12	A
4320	" "	9	20.9	9	28.7	0.5	0	58	A S. at 9 ^h 27 ^m 0
4321	" 25	8	10			trace	0	27	A
4322	" 26	1	47			0.1	0	9	A
4323	" "	5	41			---	2	51	A
4324	" "	9	33			trace	1	4	A
4325	" "	13	56			trace	1	6	A
4326	" 27	4	46			trace	1	35	A
4327	" 28	16	10			0.1	0	12	A
4328	" "	21	33			0.2	3	14	A
4329	" 29	21	23			trace	0	29	A
4330	" "	23	5.4	0	13.8	0.8	4	15	A
4331	" 31	17	6			trace	0	10	A
4332	" "	18	45			trace	0	5	A
	@	Record lost		from Dec. 18th. 22 ^h .					
				to Dec. 19th. 8 ^h .					