

6621



HLW

March 1963

APR 9 1963

Helwan Observatory, U.A.R.

Seismological Weekly Bulletin

= 29° 51' N.

= 31° 20' E.

h. 115

subsoil = Limestone

Director : Professor A.H.Samaha

Instruments: Benioff Short Period Seismograph, Sprengnether Long period Seismographs.

Date	Comp.	Phase	G.M.T.			Period	Remarks
			h.	m.	s.		
16	Z	ePn	14	35	18	1335	
	N	eSn		37	34		
17	N	e	03	56	06		Tremors of near earthquake very weak
17	NE	L	14	26			Weak
	NE	M		28.5			
18	Z <sub>s</sub>	ee(P)	10	07	20	0.8	Atomic explosion in Algier very weak
20	Z	e	05	04	22		Weak
	N	M		35			
21	E	e	17	03	43		
		E		18			
22	Z	Pn	22	30	00		544
		Sn			58		
		E		36			
22	Z <sub>s</sub>	ePn	23	36	25		655
	Z <sub>s</sub>	i			37.5		
	E <sub>s</sub>	(Sn)		37	34		
23	Z <sub>s</sub>	Pn	00	33	49		580
	E <sub>s</sub>	Sn		34	51		



Ministry of Scientific Research  
 Institut of Observations  
 Helwan Observatory  
 U.A.R.

APR 16 1963



C 6600

HLW

Month : March, 1963

Seismological Bulletin

= 29° 51' N.                      = 31° 20' E.              h.=115 m.  
 subsoil : Limestone

Instruments : Benioff Short-Period Seismograph  
 Sprengnether Long-Period Seismographs

Date	Comp.	Phase	G.M.T.			Period sec.	Amplitude			Dist. km.	Remarks
			h.	m.	s.		A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
24	Z E N ZE	P S e M	02	20	30.5				9520	Compression	
				31	03						
					47						
				57.5							
24	Z Z N ZN	P PPP iS M F	12	47	30				1650	Compression	
					48					Azimuth=30°	
			12	50	16					north of	
			13	04.5						(western	
			14.7							boundary	
										of Persia)	
25	N N	e e	22	01	30					Very weak,	
			22.7							distant	
										earthquake	
25	EN N	e e(L) F	20	55	40						
			21	11							
			22.2								
25	ZZ <sub>s</sub> N N	iP e(S) eL	22	57	14.5					Dilatation	
			23	06	18						
				16							
26		F			00.5						
26	Z N	P S	09	08	09				6540	Compression	
										severe	
26	Z Z	eP i	13	44	51					confused with	
				45	02					the preced-	
										ing earth-	
										quake	
26	Z	e	20	00	15					Very weak	
26	Z E	P S	21	47	07				9220	Compression	
				57	26						









Date	Comp.	Phase	G.M.T.			Period	Amplitude	Dist.	Remarks
			h.	M;	s.				
31	Z <sub>S</sub> Z	i	05	50	37.5			Dilatation	
	Z <sub>S</sub>	i			50				
	Z <sub>S</sub>	e		51	06				
	Z <sub>S</sub>	i		<del>54</del>	<del>40</del>				
	Z	i	06	08	02				
		F	09.5						
31	Z <sub>S</sub>	iP	17	39	52.0			Dilatation,	
	N <sub>S</sub>	e(S)		48	52			very weak	
31	Z <sub>S</sub> Z	e(P)	19	46	41				
	Z <sub>S</sub>	e			53				
	Z <sub>S</sub>	e		43	03				
	Z	e		<del>46</del>	<del>40</del>				
	Z	e		<del>59</del>	<del>59</del>				
		F	21.6						
April 1	eP	eP i	04	40	38.7 40			(Dilatation), dee deep focus, very weak	

Dr. Agabi Bergaw  
 Seismologist in charge  
 Helwan Observator



HLW

APR 23 1963



Seismological Weekly Bulletin

April 1963

$\varphi = 29^{\circ} 51' N.$      $\lambda = 31^{\circ} 20' E.$      $h=115m.$     Subsoil: Limestone

Instruments : Benioff short period seismograph,  
Sprengnether long period seismographs.

Date	Comp.	Phase	G.M.T.			Period	Amplitude	Dist.	Remarks
			h.	m.	s.				
						sec.	km.		
1	N	e	09	37	02				
		e(L)		<del>38</del>					
1	EN	i	18	35	20.7			very local shock (blast)	

Tremors are recorded on 2nd April at 6.8 h.

22	Z <sub>s</sub>	i(P)	16	32	02 <sup>02</sup>			Dilatation very weak
	Z <sub>s</sub>	e			45			
	Z <sub>s</sub>	e		35	22			
	Z <sub>s</sub>	i		36	33			
	N <sub>s</sub>	e		45	26			
	E	M	17	4	5			
3	Z <sub>s</sub>	P <sub>g</sub> S <sub>g</sub>	10	00	13.5 15			Tora blast
3	Z <sub>s</sub>	eP e	15	07	43 51			Weak, lines overlapping
6	E <sub>s</sub> N <sub>s</sub>	e	00	46	31			very weak, near
7	ZZ <sub>s</sub>	iP e	22	47	49.8 48 08			Compression
	N	i		57	31			
8		F	01					

Agaibi, Gijana  
Seismologist in C.  
Helwan Observ



Apr 23, 63 - 6600



April ; 1963

Seismological Bulletin

= 29° 51' N.

= 31° 20' E.

h= 115 m.

subsoil : Limestone

Instruments : Benioff Short-Period Seismograph  
 Sprengnether Long-Period Seismographs

Date	Comp.	Phase	G/M.T.			Period	Amplitude	Dist.	Remarks
			h.	m.	s.				
						sec.	km.		
8	E	e	14	57	53				weak
	E	e		58	10				
		<del>F</del>	<del>15.7</del>						
8	E <sub>s</sub> N <sub>s</sub>	e	20	39	46				very weak near earthquake
9	Z <sub>s</sub>	i(P)	02	21		15.0			Dilatation, weak
	Z <sub>s</sub>	i				16.5			
	Z <sub>s</sub> N <sub>s</sub>	e				24			
9		Tremors of distant earthquake							
		F	10.0						
10	N <sub>s</sub>	e(S <sub>n</sub> )	00	35	37				confused with microseisms, weak
10	N	M	08	36					Weak
		F	09.1						
10	Z <sub>s</sub> N <sub>s</sub>	iPg	11	00	08				Compression, Tora blast
	E <sub>s</sub> N <sub>s</sub>	iSg			09.5				
10	Z <sub>s</sub> N <sub>s</sub>	iPg		30	35.5				Compression Tora blast
	E <sub>s</sub> N <sub>s</sub>	iSg			37				
11	E	M	17	37					very weak
		F	18.0						
11	Z <sub>s</sub>	e(P)n	18	10	44		755		weak
	Z <sub>s</sub>	i(P*)			57				
	E <sub>s</sub> N <sub>s</sub>	S <sub>n</sub>		12	03				
12	Z <sub>s</sub>	iP	00	49	05.2				Compression, weak
	Z <sub>s</sub>	e			08				
		F	01.3						
12	Z <sub>s</sub> Z <sub>s</sub>	e	09	01	32				Weak
	Z <sub>s</sub> Z <sub>s</sub>	e		02	04				
	Z <sub>s</sub>	e		03	23				
		F	10.9						
12	E <sub>s</sub>	e	13	22	38				very weak, near earthquake





Date	Comp.	Phase	G.M.T.			Period	Amplitude			Dist.	Remarks
			h.	m.	s.		A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
			h.	m.	s.	sed.				km.	
13	Z <sub>S</sub> Z <sub>S</sub> E <sub>S</sub>	ePn i eSn	00	01	28.7				1022	Weak	
					<del>51</del>						
			03	14							
13	N <sub>S</sub>	e	02	10	18					very weak, near earthquake	
13	Z Z ZE Z N	e(P) i e e M	02	35	08					Weak Dilatation	
				39	38.5						
				46	32						
				48	44						
			03	10.5							
13	Z <sub>S</sub> Z <sub>S</sub> Z <sub>S</sub>	e(P) e e F	08	19	17.3					Very weak	
					40						
					<del>12</del>						
			08	28							
13	Z <sub>S</sub> E <sub>S</sub> N <sub>S</sub>	ePn iSn	14	08	02				471	Weak	
					54						
13	N N N	e e M F	14	57	04					weak	
					27						
					<del>16.9</del>						
13	Z <sub>S</sub> E <sub>S</sub> N <sub>S</sub>	ePn S <sub>n</sub>	21	00	05.5				500	weak	
					59.5						
16	Z Z Z NE E	eP e i e i F	01	42	46					severe, lines confused compression	
					05						
				46	42						
				<del>53</del>	22						
				<del>54</del>	02						
				06							
16	Z Z N	eP i i(S) F	18	50	02						
					52	31					
					53	51					
				19.5							

Dr. Agah Biçer

Seismologist in charge  
Helwan Observatory



MAY 14 1963

Month April 1963

International  
 Seismological  
 Centre

Seismological Bulletin

$\phi = 29^{\circ} 51' N.$

$\lambda = 31^{\circ} 29' E.$

$h = 115 m.$

Subsoil: Limestone

Instruments : Benioff Short-Period Seismograph  
 Sprengnether Long-Period Seismographs.

HLW

Date	Comp.	Phase	G.M.T.			Period	Amplitude			Dist.	Remarks
			h.	m.	s.		N	E	Z.		
April 16	Z	eP	01	42	46						severe, li confused. compression
	Z	e			005						
	Z	i		46	42						
	NE	e		53	22						
	E	i		54	02						
		F	06								
16	Z	eP	18	50	02						
	Z	i		52	31						
	N	i(s)		53	51						
		F	19.5								
17	E	eX	01	36	22						very weak distant earthquak
17	Z	P	02	30	5.5						compressi
	Z <sub>s</sub> Z	iX			9.5						"
	Z <sub>s</sub> Z	eX		33	34						
	Z	eX			46						
	Z	iX		36	15						
		F	04.7								
17	Z <sub>s</sub>	iPg	12	55	55.3	22			22		compressi
	Z <sub>s</sub> <sup>s</sup>	iX			57.2						25° West
	E <sub>s</sub> N <sub>s</sub>	iSg			58.0						4 mm S 1.9 m E
17	N	eX	18	49	54						weak
	N	eX		50	05						
		F	20.1								
19	Z <sub>s</sub>	ePn	07	32	(01)						very weak
	E <sub>s</sub>	Sn		33	22						
19	Z <sub>s</sub>	iP	00	44	48.2						Dilatation
	Z <sub>s</sub>	iX			54						
	Z	iX		46	59.5						
	Z	eX		48	13						
	E <sub>s</sub>	e(s)		52	31						





Seismological Bulletin

$\phi = 29^{\circ} 51' N.$

$\lambda = 31^{\circ} 29' E.$

$h = 115 m.$

Subsoil: Lime  
 Stone

Instruments : Benioff Short-Period Seismograph  
 Sprengnether Long-Period Seismographs.

Date	Comp.	Phase	G.M.T.			Period	Amplitude			Dist.	Remarks
			h.	m.	s.		N	E	Z.		
						sec.	u	u	u	km.	
21	Z	eP	04	50	23						Compressi
	Z	eX		53	28						
	Z	eX		55	20						
	NE	eX	05	00	13						
	NE	eX			33						
	E	eX		01	12						
	N	eX		24							
21	E	eX	06	38	35						near eart quake, ve weak
21	EN	eX	06	58	05						" "
22	Z <sub>s</sub>	eP	15	41	16						Very weak
	Z <sub>s</sub>	eX			27						
23	Z <sub>s</sub>	eX	03	00	59						very wea
	Z <sub>s</sub>	eX		01	07						
	N <sub>s</sub>	eX		09	06						
	F		<del>03.7</del>								
23	EN	eeX	10	13	22						very weak
	<del>P</del>		<del>10.8</del>								
23	Z <sub>s</sub>	Pn	21	38	37					680	Dilatatio
	E <sub>s</sub>	Sn		39	49						

Agabi Bergawi  
 Seismologist in charge  
 Helwan Observato