

2 epia. for NDI
6 epia. for SHU



SEISMOLOGICAL BULLETIN

MAY 1964

GOVERNMENT OF INDIA
METEOROLOGICAL DEPARTMENT

PUBLISHED UNDER THE DIRECTION OF
SHRI. P. R. KRISHNA RAO
DIRECTOR GENERAL OF OBSERVATORIES



DATE STN PHASE H. M. S. Δ KM DATE STN PHASE H. M. S. Δ KM

DATE STN PHASE H. M. S. Δ KM DATE STN PHASE H. M. S. Δ KM

May, 1964.

May, 1964.

08	DDI	eP	21 47 05		CHA	iP	02 14 22	R	
		i	47 09						
		i	50 17		DDI	i	02 14 32		
	CHA	eP	21 47 08		09	CHA	eP	04 46 23	280
							46 55		
	NDI	iP	21 47 17	NE	09	NDI	iP	05 54 35	CNE
	P00	iP	21 48 09	R	09	NDI	eP	06 06 53	R
08	SHL	iP	21 53 27	R	09	SHL	iP	07 48 32	C
	CHA	e	21 54 06			NDI	iP	07 50 50	RE
08	CHA	iP	22 10 11	C	09	CHA	iPg	11 25 50	180
08	NDI	iP	22 14 41	NE			iSg	26 11	
08	SHL	iP	23 52 26	8690	SHL	eP	11 25 52		
		iS	02 21		09	SHL	iP	13 54 50	C
08	Epc:- 52.2°N 169.5°W in Andreanof Islands, Aleutian Islands. h about 20 km (USCGS). - H= 23h 40m 44.1s. Mag: 5.2 S.D. 0.3 (CGS).					CHA	e	13 55 28	
	CHA	eP	23 52 37		NDI	iP	13 56 37	RE	
	DDI	eP	23 52 48		09	NDI	iP	14 15 24	R
	CHA	eP	23 52 37		09	SHL	eP	15 17 58	
	DDI	eP	23 52 48			CHA	e	15 18 24	
	BOK	iP	23 52 55	9130	09	SHL	iP	17 56 30	C
		iS	03 13			CHA	iP	17 57 29	R
	NDI	iP	23 52 57	SW			iS	58 43	710
	P00	iP	23 53 50	R	09	SHL	iP	18 28 39	C
09	SHL	iP	00 01 27	R		CHA	iP	18 29 02	C
	CHA	iP	00 01 51	R		NDI	iP	18 29 40	R
	NDI	eP	00 02 40	SW	09	CHA	e	20 04 07	
09	SHL	eP	00 27 07		09	PBA	e	20 50 50	
09	DDI	eP	00 47 50	920			i	50 53	
		iS	49 25		09	CHA	e	21 18 21	
	NDI	eP	00 48 05	NW	990				
		iS	49 45		09	NDI	iP	21 18 29	C
							iS	20 16	1040
09	SHL	iP	02 14 11	C	8670	SHL	iP	21 19 03	C
		iS	24 05		09	SHL	eP	21 46 14	
					09	SHL	eP	22 57 09	170
							eSg	57 30	

09	SHL	eP	23 44 14		11	CHA	iPg	07 04 30	30
							iSg	04 34	
10	SHL	eP	03 51 03	150		SHL	eP	07 04 36	
		eSg	51 23						
	CHA	iP	03 51 35	390	11	BOK	iP	08 25 27	
		eS	52 17						
10	SHL	iP	05 47 46	R	11	SHL	eP	09 13 02	220
							eSg	13 29	
	CHA	e	05 48 16			CHA	iP	09 13 16	240
		i	49 29				iSg	13 46	
	DDI	eP	05 49 06			BOK	iP	09 14 23	
	NDI	iP	05 49 11	RSW	11	NDI	eP	10 13 15	
		i	54 08						
10	SHL	iP	05 53 20	R	11	BOK	i	12 15 39	
10	SHL	iP	06 38 31	C	11	SHL	iP	15 04 53	R
	CHA	iP	06 38 58	R		CHA	iP	15 05 28	R
	NDI	iP	06 39 47	C		DDI	eP	15 06 33	
		i	40 25			NDI	eP	15 06 34	RSW
10	SHL	eP	07 58 30		11	SHL	iP	16 49 26	C
10	SHL	eP	10 41 18			CHA	iP	16 50 21	C
		e	42 05				eS	51 41	770
10	SHL	eP	11 16 07		11	SHL	iP	16 59 57	R
		e	16 40			CHA	iP	17 00 32	R
10	SHL	eP	16 08 37				i	02 21	
		e	09 10			DDI	eP	17 01 37	
10	NDI	iP	18 34 09	RNW		NDI	iP	17 01 38	RNW
10	CHA	e	19 12 33		11	PBA	i	18 13 51	
10	SHL	iP	20 05 36		11	CHA	i	19 14 30	
		i	06 57		11	NDI	eP	21 41 51	
	CHA	e	20 06 30		11	SHL	iP	21 53 38	R
10	CHA	iPg	23 57 52	170	12	PBA	iPg	06 36 48	R
		iSg	58 12				iSg	36 57	78
11	NDI	iP	01 27 11	CS	12	BOK	iP	08 31 37	
11	NDI	eP	06 11 39		12	SHL	iP	11 59 54	C
	DDI	eP	06 11 51			CHA	eP	11 59 59	
		e	15 26			NDI	eP	12 00 05	
	CHA	eP	06 13 22				i	00 10	
11	BOK	iP	06 18 04	C					

DATE STN PHASE H. M. S.

△
KM

DATE STN PHASE H. M. S.

△
KM

May, 1964.

12	SHL	eP	15 53 44		12	SHL	ePg iSg	23 14 26 14 41	130
12	SHL	iP	17 08 12	C	13	NDI	iPg iSg	02 14 46.5 14 51.9	CSE 50
	CHA	e	17 08 16		13	NDI	eP	03 29 30	
	NDI	eP	17 08 23		13	NDI	eP i	03 40 45 40 50.5	
12	Epc:- 19.9°S 173.9°W in Tonga islands. h about 33 km (USCGS). -H=18h 17m 07.7s. Mag: 5.5 S.D. 0.3 (CGS).				13	SHL	eP	05 43 16	
	SHL	iP	18 29 03	C 8670		MDR	eP PP PPP	05 43 57 45 34 46 04	4810
		PP	32 23				eS SS	50 25 53 25	
		iSKS	39 16				LQ	53 45	
	CHA	eP	18 29 09	8770			LR	56 01	
		eSKS	39 32				M	59 15	
	NDI	eP	18 29 19	CSW		BOK	e i	05 44 05 53 37	
	NDI	iP	18 29 21	CSW 9360		DDI	eP	05 44 08	
		PcP	29 28			NDI	eP	05 44 10	R
		PP	32 46			NDI	eP	05 45 08	8340
		PPP	34 30				PcP	45 16	
		i	34 57				iS	54 46	
		SKS	39 40				PS	55 16	
		iS	39 46				PPS	55 40	
		PS	40 36				SSS	59 26	
		PPS	41 04						
		SS	45 22			PBA	i	05 49 27	
		SSS	48 16		13	SHL	iP	15 09 07	R
	BOK	iP	18 29 27	9360	13	SHL	iP	15 18 26	R
		PP	32 33			SHL	iP	15 39 57	R
		eSKS/S	39 52		13	SHL	eP	17 28 28	
		PS	40 07		13	SHL	iP	19 53 20	R
		SSP	44 55		13	SHL	eP	21 39 20	
		SSS	47 31		13	SHL	eP	22 13 19	
		LQ	51 06		13	SHL	iP	23 42 12	C
		LR	55 17		13	NDI	eP	23 42 27	R
		M	19 04 33		14	SHL	iP	02 41 19	C
	P00	eP	18 34 01		14	BOK	iP	06 58 19	
	MDR	e	18 34 29		14	SHL	iP	10 13 04	R
		e	41 45						
		e	44 04						
		e	45 14						
	PBA	M	19 09						
	HYD	M	20 08 21						
12	SHL	iP	21 55 07	R					
		i	55 43						
	CHA	eP	21 56 03	800					
		iS	57 26						



DATE STN PHASE H. M. S.

△
KM

DATE STN PHASE H. M. S.

△
KM

May, 1964.

14	CHA	eP	10 13 43		16	CHA	iP iSg	02 25 57 26 20	180
		i	14 03			SHL	eP	02 26 55	
		i	14 46		16	DDI	iP eP	06 05 24 05 24	R
14	NDI	e	10 18 05			NDI	iP	06 05 44	CSW
14	NDI	eP	12 07 44			CHA	iP	06 06 15	
14	CHA	e	12 30 32			SHL	iP	06 06 37	C
	SHL	eP	12 30 43	C	16	NDI	e e	06 32 52 32 55	
14	NDI	eP	13 25 37	RN	16	SHL	eP i	07 24 07 24 34	220
14	SHL	eP	19 11 38			CHA	eP iSg	07 24 26 25 07	370
		e	12 16		16	Epc:- 36.5°N 71.5°E in Hindukush. h about 122 km(USCGS). -H= 08h 38m 54s. Mag: 5.3 (CGS).			
14	SHL	iP	23 22 34	C		Epc:- 36.0°N 71.0°E -H= 08h 38m 52s (CSO Shillong)			
15	NDI	eP	01 54 08	CE		DDI	iPn PP PPP P* Pg LQ iSn SS LR SSS S* Sg,M	08 40 50 40 58 41 04 41 09 41 30 42 13 42 23 42 35 42 37 42 46 42 53 43 16	RNE 900
		e	54 11			NDI	iP iS	08 41 02 42 39	RNW 950
15	SHL	iP	11 00 41	R 6970		SEH	iP LQ iS SS SSS i	08 42 06 44 34 44 39 45 01 45 10 45 52	1510
		iS	09 09			CHA	iP iS SS	08 42 38 45 29 45 44	R 1700
		SS	13 05						
		LQ	16 26						
	CHA	eP	11 01 10						
	BOK	iP	11 01 13	7500					
		eS	10 09						
		PPS	10 47						
		SS	14 47						
	NDI	e	11 02 05						
15	DDI	eP	11 11 50						
15	NDI	e	13 53 50						
		e	53 53						
15	NDI	e	13 54 10						
15	SHL	iP	14 47 57	R					
15	SHL	iP	16 34 44	C					
15	SHL	iP	17 09 10	C					
	CHA	eP	17 09 45						
15	DDI	eP	22 35 55						
	NDI	eP	22 35 58	RNE					
	CHA	iP	22 37 32	R					
	SHL	iP	22 38 10	R					



DATE STN PHASE H. M. S. Δ KM

DATE STN PHASE H. M. S. Δ KM

May, 1964.

May, 1964.

DATE	STN	PHASE	H.	M.	S.	Other
19	CHA	i	16	44	58	
19	DDI	eP	17	48	30	
		eP		49	55	
	CHA	iP	17	48	43	C
		i		50	00	
	NDI	e	17	48	49	
	SHL	iP	17	49	03	
		i		51	17	
19	NDI	eP	18	04	02	
		eS		05	40	
19	SHL	eP	18	15	23	
19	DDI	e	18	18	52	
19	CHA	iP	18	20	38	R
	SHL	iP	18	21	25	
19	SHL	iP	20	36	07	
	CHA	i	20	36	41	
19	CHA	iPg	21	32	18	90
		iSg		32	28	
19	CHA	eP	21	33	16	
		e		34	41	
19	SHL	eP	21	33	24	
19	Epc:- 0.7 ^g 80.2 ^o W Near coast of Ecuador. h 50 km. -H=23h 03m 41.8s. Mag: 5 $\frac{1}{2}$ (Pal), 5 $\frac{1}{4}$ -5 $\frac{1}{2}$ (Berk), 5.4 S.D. 0.3 (CGS).					
	SHL	ePKP	23	21	47	
				22	15	
	NDI	iPKP	23	23	12	CSE 15920
		i		23	14	
		ePP		26	18	
		PPS		39	08	
		SS		45	12	
	DDI	iPKP	23	23	12	R
	P00	iPKP	23	23	22	R
	BOM	ePKP	23	23	24	
		e		23	47	
		e		27	33	
		e		47	40	

DATE	STN	PHASE	H.	M.	S.	Other
20	DDI	iP	06	12	05	C 7370
		eS		20	54	
	P00	iP	06	12	07	C
20	BOK	iP	08	34	42	
20	SHL	iP	21	12	21	C
20	CHA	iPg	22	13	17	60
		eSg		13	25	
20	DDI	i	22	59	34	
21	SHL	iP	00	36	50	C
21	SHL	iP	01	23	45	R
		i		24	55	
21	NDI	iP	04	15	09	
		e		16	14	
		e		16	15	
	CHA	e	04	16	29	
21	PBA	iPg	07	56	40	80
		iSg		56	49	
21	SHL	iP	11	49	05	C
21	NDI	iP	11	50	12	RSW
21	SHL	iP	12	09	06	C
21	NDI	eP	13	04	39	
21	SHL	iP	14	31	40	R
		i		33	21	
	CHA	eP	14	32	54	280
		eS		33	26	
	NDI	eP	14	33	54	
		e		33	58	
21	PBA	ePg	15	26	57	120
		eSg		27	11	
21	SHL	iP	15	48	08	R
	CHA	eP	15	48	13	
	DDI	eP	15	48	15	
		e		58	34	
	NDI	eP	15	48	24	R
21	BOK	e	15	58	47	
21	CHA	eP	19	11	38	
	NDI	eP	19	12	30	C
		eP		19	37	02 C
		iP		23	19	41 C
		eP		23	20	02
		e		23	20	33
		iP		23	20	43 CSW
		iP		03	57	17 R
		iP		05	02	51 RSE
		iP		09	45	07
		iP		14	14	13 R
		e		16	05	29
		iP		16	06	37 R
		iP		16	07	05 R
		iP		16	08	01 RSE
		e		13	16	
		e		13	17	
		iPg		23	00	21 70
		iSg		00	27	
		eP		00	15	32 5030
		PP			17	06
		eS			22	13
		PPS			22	26
		LQ			26	37
		LR			28	54
		M			32	32
		eP		00	17	08 RNE 3580
		eS			22	21
		e		00	19	57
		iP		00	21	09 CE
		i		00	23	12
		iP		00	23	27 R
		iP		00	23	59 R
		eP		09	07	02
		iP		11	29	51 R
		iP		11	30	20 R

DATE STN PHASE H. M. S.

△
KM

DATE STN PHASE H. M. S.

△
KM

May, 1964.

26	SHL	iP	09 49 54		CHA	PKS2	11 21 38	
						SKS2	25 01	
	CHA	iP	09 50 25 C			SKKS1	27 27	
						i	29 53	
26	NDI	iP	09 51 22 CSW			SKSP	30 44	
						PS	51 00	
26	NDI	eP	10 13 53 R			PPS	32 49	
						SS	38 50	
26	Epc:- 56.2°S 27.8°W in Sandwich Islands. h about 120 km. -H= 10h 59m 12.3s. Mag: 7½-7¾(Berk), 7-7¼(Pal), 7½-7¾(Pas).					Mn	12 08	
					DDI	iP	11 18 02 N 5220	
						eP	18 02	
						PcP	19 57	
						PP	19 48	
						PPP	20 37	
						PcS	23 32	
						iS	24 54	
						PS	25 04	
						PPS	25 13	
						i	26 41	
						i	27 30	
						ScS	28 07	
						SS	28 21	
						LQ	29 03	
						SSS	29 25	
						LR	31 29	
						M	35 13	
					CAL	iP	11 18 05	
						i	24 53	
						i	29 09	
						i	37 09	
					SHL	eP	11 18 09 5150	
						eS	24 57	
					BOM	eP	11 18 17	
						e	19 10	
						PcP	19 24	
						PP	20 33	
						e	24 03	
						eS	25 58	
						PPS	26 30	
						ScS	27 41	
						e	28 20	
						SS	29 33	
						e	33 46	
						LR	34 41	
						M	12 59 52	
					TOC	eP	11 18 19	
					DDI	e	13 26 58	
					NDI	eP	13 27 15 RNW 1190	
						S	29 17	
					SHL	iP	13 29 12 C	



DATE STN PHASE H. M. S.

△
KM

International Seismological Centre

DATE STN PHASE H. M. S.

△
KM

May, 1964.

26	SHL	iPg	15 26 08	60	28	NDI	iP	13 09 33 R
		iSg	26 15					
					28	DDI	e	13 09 35
							i	09 39
26	SHL	iP	17 06 22	170				
		iSg	06 44					
					28	SHL	eP	13 10 20
	DDI	eP	20 35 00					
					28	SHL	iP	16 30 23 C
	NDI	eP	20 35 10 N 930					
		iP	35 10			DDI	e	16 30 28
		S	36 46					
	SHL	iP	20 37 35 C			CHA	iP	16 30 28 R
					28	CHA	iP	18 14 09 R
27	NDI	i	01 15 22 RS					
		iP	15 23			NDI	iP	18 45 07 R
		e	15 23					
	SHL	iP	01 15 35 C		28	SHL	eP	19 22 34
		i	17 34					
		i	18 46		28	SHL	iP	21 20 47 C
							e	21 20
	DDI	iP	01 17 28 R			CHA	eP	21 21 44 170
							iS	23 04
27	NDI	eP	03 42 43 RSW		28	NDI	iPg	21 56 38.4 CS 45
							iSg	56 43.7
27	CHA	iP	04 55 44 R 140					
		iSg	56 02		28	SHL	iP	23 36 09 C
27	SHL	iP	06 14 47 C			CHA	e	23 36 43
	BOK	iP	06 15 41			NDI	iP	23 37 47 CN
27	NDI	iP	06 49 37 R			DDI	e	23 37 48
					29	NDI	iPg	01 59 22.2 CS 10
	CHA	iP	06 49 47 R				iSg	59 23.7
27	BOK	iP	07 57 05		29	SHL	iP	05 47 15 C
27	SHL	iP	08 23 31 C		29	DDI	i	03 47 17
	NDI	iP	08 25 03 C		29	NDI	eP	03 47 25 CSE
	SHL	iP	11 25 42 R		29	SHL	iP	05 16 55 C
28	DDI	iP	02 04 27 R			CHA	iP	05 17 14 C
	NDI	eP	02 04 31 CSW		29	DDI	iP	05 17 45
28	NDI	iPg	06 14 29.2 CNE 10			NDI	iP	05 17 55 CSW
		iSg	14 30.6					
					29	P00	iP	05 18 54 C
	DDI	eP	06 15 00					
					29	SHL	iP	07 29 46
28	SHL	iP	06 40 02 C			CHA	iP	07 30 52 R 430
							iSg	31 58
28	NDI	iP	09 49 29 RS					



DATE STN PHASE H. M. S. Δ KM

DATE STN PHASE H. M. S. Δ KM

May, 1964.

May, 1964.

29	NDI	iP	07 32 48	R	SHL	SSS	14 49 09		
29	SHL	iP	07 35 16		CHA	iP	14 39 10	CSW	
						iS	45 58		
	NDJ	eP	07 35 21		CAL	iP	14 39 15	5270	
29	NDI	i	09 24 15			iS	46 09		
29	SHL	iP	10 30 00	C	BOK	iP	14 39 29	CS	5700
						i	39 42		
	DDI	iP	10 30 00	CN		PcP	40 43		
		e	39 21			PP	41 27		
	NDI	iP	10 30 08	CS		iS	46 48		
						i	50 27		
						SSS	51 59		
29	CHA	eP	19 25 39	170	DDI	iP	14 39 53	CSW	5800
		iS	26 00			PcP	41 15		
29	SHL	iP	20 17 45	C		PP	41 50		
						PPP	43 00		
	CHA	e	20 18 18			PcS	45 02		
	NDI	iP	20 19 19	CE		iS	47 17		
						PS	47 27		
	DDI	iP	20 19 19	C		PPS	47 38		
						ScS	49 55		
29	SHL	eP	20 45 50			SS	50 50		
						SSS	52 21		
29	SHL	iP	21 03 18	R		LR	54 46		
						M	58 48		
	CHA	iP	21 03 48	R	NDI	iP	14 40 03	CSW	5910
	NDI	iP	21 04 45	RSW		i	40 12		
						i	40 28		
29	SHL	eP	22 41 57			PP	42 14		
						PPP	43 22		
30	CHA	i	03 03 35			eS	47 33		
						PPS	47 52		
	NDI	iP	03 03 40	R		i	48 06		
		i	03 50			i	48 21		
						ScS	49 45		
30	SHL	eP	03 30 29			SS	51 16		
						e	52 02		
	DDI	e	03 30 31			LR	56 07		
						M	15 00 48		
30	SHL	iP	13 37 53		SEH	iP	14 40 23		
30	Epc:-	36.2°N 141.1°E near coast of Honshu, Japan. h about 49 km(USCGS). -H= 14h 30m 45.3s. Mag: 5 $\frac{1}{2}$ -5 $\frac{3}{4}$ (Pal), 5.4 S.D. 0.2 (CGS).			MDR	iP	14 40 43	E	6610
						PcP	41 25		
						PPP	44 14		
						iS	48 52		
						PS	49 05		
						PPS	49 17		
						ScS	50 30		
						LQ	55 31		
						LR	58 21		
						M	15 03 06		
	Epc:-	36.0°N 141.0°E -H= 14h 30m 40s (CSO Shillong)			P00	iP	14 40 56	CSW	6820
						iS	49 17		
						PPS	49 17		
	SHL	iP	14 38 44	C					
		PP	40 35						
		iS	45 08						
		LQ	48 50						

30	P00	ScS	14 50 40		CHA	iP	00 49 34	CSW	5760
		SS	53 25			i	49 54		
		SSS	55 45			iS	56 44		
		LQ	56 20		CAL	iP	00 49 48	5890	
		LR	59 15			iS	57 11		
		M	15 04 30						
	BOM	iP	14 41 01	7000	BOK	iP	00 49 54	CSW	5860
		e	41 13			PcP	50 56		
		PcP	41 29			PP	51 54		
		PP	43 19			PcS	54 56		
		e	43 33			S	57 21		
		PPP	44 50			PPS	57 39		
		PcS	45 29			ScS	59 37		
		eS	49 31			LQ	01 02 36		
		PS	49 51						
		PPS	50 02		DDI	iP	00 50 06	CSW	6080
		SKS	50 42			PcP	51 11		
		SS	53 37			PP	52 11		
		SSS	56 27			PPP	53 23		
						PcS	55 11		
30	KOD	iP	14 41 09	W	6950	iS	57 45		
		iS	49 36			PS	57 55		
30	CHA	eP	16 01 13			PPS	58 02		
30	CHA	e	17 29 05			ScS	59 53		
						SS	01 01 31		
	NDI	iP	17 29 52	RNE		SSS	03 27		
						LQ	03 35		
	SHL	eP	17 30 16			LR	06 13		
						M	10 51		
	CHA	eP	17 31 55		PBA	iP	00 50 11	6190	
						PP	52 10		
	DDI	i	17 31 59			iS	57 57		
						SS	01 01 54		
	NDI	iP	17 32 02	RE		LR	07 13		
						M	10 56		
30	NDI	iP	19 44 27	R	NDI	iP	00 50 17	CSW	6190
						i	50 36		
30	NDI	eP	22 47 11	CNE		PcP	51 00		
						PP	52 24		
30	SHL	eP	23 26 16			PPP	54 08		
						S	58 03		
31	Epc:-	43.5°N 146.8°E in Kurile Islands. h about 48 km. -H=00h 40m 36.4s (USCGS). Mag: 6 $\frac{1}{2}$ -6 $\frac{3}{4}$ (Pal), 6.3 S.D. 0.4 (CGS).				PPS	58 34		
						i	59 00		
						ScS	59 58		
						i	01 00 26		
						SS	02 04		
						i	02 36		
						SSS	04 36		
						M	09 10		
						Mn	14		
	Epc:-	45.0°N 147.0°E. -H= 00h 40m 35s (CSO Shillong).							
	TOC	eP	00 48 59		BOM	iP	01 51 18	7130	
						PcP	51 49		
	SHL	iP	00 49 13	C	5270	PP	53 39		
		PP	51 08			PPP	55 14		
		PPP	52 04			eS	59 55		
		iS	56 08			PS	02 00 12		
		SS	59 36						

DATE STN PHASE H. M. S. △ KM

May, 1964.

31	BOM	PPS	02 00 34			DDI	e	13 24 24		
		SKS	01 12				e	28 41		
		SS	04 10				e	31 56		
		SSS	06 49			NDI	e	13 24 48		
		M	23 02							
	KOD	iP	00 51 39	W	7460	31	SHL	ePg	13 47 02	70
		PP	54 15					eSg	47 10	
		iS	01 00 33			31	SHL	iP	14 15 37	C
		PS	00 54			31	SHL	eP	15 17 00	
		PPS	01 03							
		i	02 09							
31	DDI	e	10 34 15			31	SHL	eP	15 49 22	
	SHL	iP	10 34 24	R		31	SHL	iP	19 28 10	C
	CHA	e	10 34 36			31	NDI	iP	20 30 29	RNE
	NDI	eP	10 35 05	C		31	SHL	iPg	21 01 10	C
								eSg	01 22	100
31	CHA	iP	10 39 30				CHA	e	21 01 53	
31	SHL	iP	13 22 59	C						
	CHA	e	13 23 32							

Non-Instrumental Earthquake Report.

The following is the list of earthquakes that were reported by Voluntary Observers from different stations during the month of May, 1964.

Station	Date in GMT	Time in GMT h. m.	No. of shocks.	Duration in secs.	Intensity in R.F. Scale.	Remarks.
Goalpara	17.5.64	20 25	I	5 secs.	V	Appears to come from West.
Mohanbari	24.5.64	11 32	I	1 sec.	V	North-West

MICROSEISMIC TABULATION

Date Hour K Mean amplitude in m.m. Mean period in sec. Date Hour K Mean amplitude in m.m. Mean period in sec.

Station: Shillong.

May, 1964.

01	00	0,0	-	-	13	00	...	-	-
	06	0,0	-	-		06	0,0	-	-
	12	0,0	-	-		12	3	0.2	4.8
	18	0,0	-	-		18	0,0	-	-
02	00	0,0	-	-	14	00	3	0.2	4.8
	06	0,0	-	-		06	...	-	-
	12	0,0	-	-		12	0,0	-	-
	18	0,0	-	-		18	0,0	-	-
03	00	0,0	-	-	15	00	0,0	-	-
	06	0,0	-	-		06	0,0	-	-
	12	3	0.2	4.5		12	3	0.3	5.0
	18	3	0.2	4.8		18	3	0.2	5.0
04	00	3	0.2	5.0	16	00	3	0.2	4.8
	06	0,0	-	-		06	3	0.2	5.0
	12	0,0	-	-		12	3	0.2	4.9
	18	0,0	-	-		18	3	0.2	5.0
05	00	0,0	-	-	17	00	0,0	-	-
	06	3	0.2	4.6		06	...	-	-
	12	0,0	-	-		12	...	-	-
	18	...	-	-		18	...	-	-
06	00	...	-	-	18	00	...	-	-
	06	3	0.2	4.8		06	...	-	-
	12	3	0.3	5.0		12	...	-	-
	18	3	0.2	4.7		18	...	-	-
07	00	3	0.3	4.9	19	00	...	-	-
	06	...	-	-		06	0,0	-	-
	12	3	0.3	5.0		12	0,0	-	-
	18	3	0.2	5.0		18	3	0.2	5.0
08	00	3	0.2	5.0	20	00	0,0	-	-
	06	1	0.4	5.1		06	3	0.2	4.8
	12	1	0.5	5.0		12	0,0	-	-
	18	1	0.5	5.0		18	0,0	-	-
09	00	3	0.3	4.8	21	00	3	0.2	5.0
	06	3	0.3	4.8		06	0,0	-	-
	12	3	0.3	4.9		12	0,0	-	-
	18	3	0.2	4.6		18	3	0.2	4.1
10	00	...	-	-	22	00	3	0.2	4.0
	06	3	0.2	5.0		06	3	0.2	4.0
	12	3	0.2	4.9		12	3	0.2	4.2
	18	3	0.1	4.8		18	3	0.2	4.3
11	00	...	-	-	23	00	...	-	-
	06	...	-	-		06	...	-	-
	12	...	-	-		12	...	-	-
	18	...	-	-		18	...	-	-
12	00	...	-	-	24	00	...	-	-
	06	...	-	-		06	0,0	-	-
	12	...	-	-		12	0,0	-	-
	18	...	-	-		18	0,0	-	-



Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------

May, 1964.

Station: Shillong(Contd.)

25	00	0,0	-	-
	06	0,0	-	-
	12	3	0.2	4.6
	18	3	0.2	4.5
26	00	3	0.2	4.7
	06	0,0	-	-
	12	3	0.2	4.8
	18	0,0	-	-
27	00	3	0.3	5.0
	06	1	0.4	5.0
	12	1	0.5	6.1
	18	1	0.5	5.0
28	00	1	0.4	5.0
	06	3	0.3	4.8
	12	3	0.2	4.5
	18	3	0.2	4.4
29	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
30	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-
31	00	0,0	-	-
	06	0,0	-	-
	12	0,0	-	-
	18	0,0	-	-

Station: Madras.

01	00	3	0.3	4.7
		2	0.2	2.2
	03	3	0.3	4.6
		3	0.2	2.2
	06	3	0.3	4.3
		2	0.3	4.2
		3	0.2	2.1
	18	2	0.3	4.6
		3	0.2	2.3
02	00	2	0.3	4.4
		3	0.2	2.4
	03	3	0.3	4.6
		3	0.3	2.3
	06	3	0.3	4.4
		2	0.3	2.5
	12	3	0.3	4.1
		3	0.3	2.5
	18	3	0.3	4.3
		3	0.3	2.7

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------

May, 1964.

Station: Madras(Contd.)

08	06	3	0.5	4.2	
		3	0.3	2.8	
	12	3	0.5	4.1	
		3	0.3	3.0	
	18	...	No record.		
09	00	2	0.6	4.1	
		2	0.3	2.9	
	03	3	0.5	4.3	
		3	0.3	3.0	
	06	3	0.5	4.1	
		3	0.3	2.9	
	12	3	0.5	4.1	
		3	0.3	2.6	
	18	2	0.5	4.1	
		2	0.3	3.0	
10	00	2	0.5	4.1	
		2	0.3	2.8	
	03	3	0.5	4.2	
		3	0.3	2.6	
	06	3	0.3	4.3	
		3	0.3	2.7	
	12	3	0.4	4.2	
		3	0.3	2.7	
11	00	2	0.3	2.8	
		2	0.3	3.4	
	03	2	0.2	2.3	
		2	0.3	3.8	
	06	2	0.2	2.4	
		2	0.3	2.6	
	12	3	0.3	2.6	
		3	0.2	2.1	
	18	2	0.3	2.5	
		2	0.1	1.9	
12	00	2	0.3	2.7	
		2	0.1	1.9	
	03	2	0.3	2.8	
		2	0.1	1.9	
	06	2	0.3	2.7	
		2	0.3	3.2	
	12	2	0.1	2.0	
		2	0.3	2.8	
13	00	2	0.3	3.5	
		2	0.3	3.3	
	03	2	0.3	2.3	
		2	0.3	2.3	
	06	...	Earthquake.		
	12	2	0.3	3.3	
		2	0.2	2.2	
14	00	2	0.3	2.7	
		3	0.3	2.6	
	03	3	0.3	2.8	
		3	0.3	3.6	
	12	2	0.3	2.5	
		2	0.3	3.6	
	18	2	0.3	2.5	
		2	0.2	2.5	
	00	3	0.5	4.1	
		3	0.3	2.9	
	03	3	0.5	4.2	
		3	0.3	2.9	
	06	3	0.3	2.9	
		3	0.3	2.9	
	09	3	0.3	2.9	
		3	0.3	2.9	
	12	3	0.3	2.9	
		3	0.3	2.9	
	15	00	2	0.3	3.9
		2	0.2	2.4	
	03	2	0.3	3.8	
		2	0.2	2.5	
	06	2	0.3	3.7	
		12	3	0.3	3.8
	18	2	0.3	4.2	
		00	2	0.3	4.3
		03	2	0.3	4.3
		06	2	0.3	4.3
		12	3	0.3	4.3
		18	3	0.3	4.4
		00	2	0.3	4.3
		03	2	0.3	4.3
		06	2	0.3	4.3
		12	3	0.3	4.3
		18	3	0.3	4.4
		00	2	0.3	4.3
		03	2	0.3	4.8
		06	2	0.3	4.5
		12	3	0.3	4.7
		18	2	0.3	4.7
		00	2	0.3	4.7
		2	0.1	2.0	
		03	2	0.3	4.7
		2	0.2	2.4	
		06	2	0.3	4.7
		2	0.2	2.4	
		12	3	0.1	2.0
		18	2	0.3	4.5
		3	0.2	2.4	
		00	2	0.3	4.2
		2	0.3	2.7	
		2	0.1	1.9	
		03	2	0.3	4.5
		2	0.3	3.1	
		06	2	0.3	4.6
		3	0.3	2.7	
		12	...	No record.	
		18	2	0.3	3.2
		00	3	0.3	2.7
		03	3	0.3	3.2
		3	0.3	2.5	
		06	3	0.3	3.4
		12	3	0.3	3.3
		3	0.3	2.5	
		18	3	0.3	3.6
		3	0.3	2.9	
		00	2	0.3	3.2
		03	2	0.3	3.2
		06	2	0.3	3.4
		3	0.1	2.1	
		12	3	0.3	3.7
		18	2	0.3	4.2
		00	2	0.3	3.0
		03	2	0.3	3.0
		06	2	0.3	3.4

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------	------	----------	---	------------------------	---------------------

Station: Madras(Contd.)

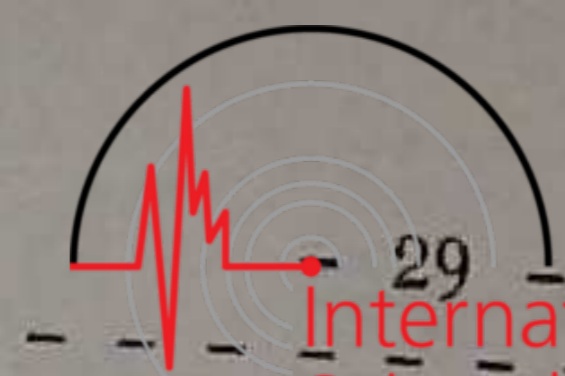
May, 1964.

22	12	3	0.3	3.5	29	00	3	0.5	3.0
	18	3	0.3	3.5		03	3	0.3	3.0
						06	3	0.3	4.2
23	00	3	0.3	3.3			3	0.3	2.5
		3	0.1	2.0		12	3	0.3	3.5
	03	3	0.3	3.8			2	0.3	2.5
		3	0.2	2.4		18	3	0.3	3.5
	06	3	0.3	3.8			3	0.2	2.0
		3	0.2	2.4					
	12	3	0.3	3.4	30	00	3	0.3	3.0
		3	0.2	2.2			3	0.1	1.8
	18	3	0.3	3.7		03	3	0.3	3.6
							3	0.3	2.0
24	00	3	0.3	3.0		06	3	0.3	3.7
	03	3	0.5	2.5			3	0.3	1.9
		3	0.3	2.0		12	3	0.3	3.5
	06	3	0.5	2.5			3	0.3	1.9
		3	0.3	2.0		18	3	0.4	3.3
	12	3	0.5	3.1			3	0.3	2.0
		3	0.3	2.1					
	18	2	0.5	3.8	31	00	3	0.4	3.5
		2	0.3	2.4			3	0.1	2.0
						03	3	0.4	3.0
25	00	2	0.4	3.6			3	0.1	1.5
		2	0.3	2.5		06	3	0.3	2.9
	03	3	0.4	3.9			3	0.3	2.0
		3	0.3	2.4		12	3	0.4	3.0
	06	3	0.5	3.5			2	0.3	2.0
		3	0.3	2.7		18	3	0.4	2.9
	12	2	0.3	2.5			2	0.3	2.4
	18	2	0.4	2.7					

Station: Bokaro.

					01	00	...	-	-
						06	3	0.2	5.0
						12	3	0.2	5.4
						18	3	0.2	4.5
					02	00	3	0.2	4.1
						06	3	0.1	4.2
						12	3	0.2	3.6
						18	3	0.1	3.0
					03	00	3	0.2	3.8
						06	3	0.2	4.5
						12	3	0.2	4.8
						18	3	0.2	5.0
					04	00	3	0.2	5.0
						06	3	0.2	5.1
						12	3	0.2	4.4
						18	3	0.2	4.4
					05	00	3	0.2	5.4
						06	3	0.2	4.4
						12	3	0.3	4.2
						18	3	0.2	4.4

Earthquake.



Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.	Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------	------	----------	---	------------------------	---------------------

Station: Bokaro(Contd.)

May, 1964.

06	00	3	0.3	4.8	18	00	3	0.2	5.0
	06	3	0.2	4.8		06	3	0.2	4.6
	12	3	0.3	4.4		12	3	0.1	4.4
	18	3	0.3	4.8		18	3	0.1	4.2
07	00	3	0.2	4.8	19	00	3	0.1	4.4
	06	...	-	-		06	3	0.2	3.6
	12	3	0.2	4.6		12	3	0.2	4.0
	18	3	0.3	5.2		18	...	-	-
08	00	3	0.3	4.0	20	00	3	0.3	4.4
	06	1	0.5	4.4		06	3	0.2	4.3
	12	1	0.5	4.4		12	3	0.2	4.6
	18	1	0.4	4.6		18	3	0.1	4.0
09	00	1	0.4	4.1	21	00	3	0.1	4.0
	06	1	0.4	4.4		06	3	0.2	4.3
	12	3	0.3	5.0		12	3	0.2	4.4
	18	3	0.3	4.6		18	1	0.4	3.4
10	00	3	0.3	5.2	22	00	1	0.4	3.3
	06	3	0.3	4.8		06	1	0.3	3.6
	12	3	0.2	3.8		12	1	0.3	4.0
	18	3	0.2	3.0		18	3	0.3	4.8
11	00	3	0.2	3.0	23	00	3	0.2	4.6
	06	3	0.2	3.4		06	3	0.3	4.6
	12	3	0.2	4.0		12	3	0.2	4.4
	18	3	0.2	3.4		18	3	0.2	4.6
12	00	3	0.2	3.0	24	00	3	0.2	4.4
	06	3	0.1	4.0		06	3	0.3	4.4
	12	3	0.2	4.8		12	3	0.2	4.5
	18	3	0.1	4.1		18	3	0.2	4.4
13	00	3	0.2	4.0	25	00	3	0.3	4.8
	06	...	-	-		06	3	0.2	4.6
	12	3	0.2	5.0		12	3	0.2	4.8
	18	3	0.1	4.5		18	3	0.2	4.4
14	00	3	0.1	4.2	26	00	3	0.1	4.6
	06	3	0.2	4.0		06	3	0.3	5.0
	12	3	0.2	4.5		12	...	-	-
	18	3	0.2	4.4		18	3	0.3	5.5
15	00	3	0.2	4.8	27	00	3	0.2	4.6
	06	3	0.3	4.4		06	3	0.3	4.4
	12	3	0.2	4.4		12	3	0.3	4.8
	18	3	0.3	5.0		18	3	0.2	4.2
16	00	3	0.3	4.8	28	00	3	0.2	4.8
	06	3	0.3	5.4		06	3	0.2	4.2
	12	3	0.3	5.0		12	3	0.1	4.0
	18	3	0.2	5.0		18	3	0.1	4.2
17	00	3	0.3	4.6	29	00	3	0.1	4.2
	06	3	0.3	4.8		06	3	0.1	4.0
	12	3	0.2	4.8		12	3	0.2	3.8
	18	3	0.2	4.8		18	3	0.1	3.9

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------

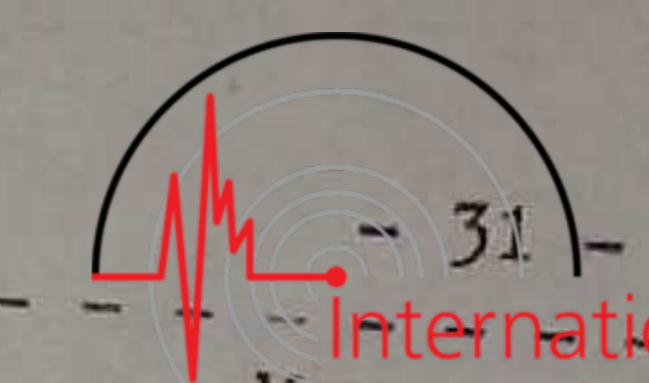
Station: Bokaro(Contd.)

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
30	00	3	0.1	4.0
	06	3	0.1	4.0
	12	3	0.1	3.6
	18	3	0.1	3.8
31	00	3	0.1	3.8
	06	3	0.1	3.6
	12	3	0.1	4.0
	18	1	0.2	3.0

May, 1964.

Station: Bombay(Colaba).

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
01	00	3	0.5	2.4
			0.5	4.6
	06	1	0.5	2.4
	09	1	0.6	2.5
	12	1	0.6	2.6
	15	1	0.5	2.6
	18	1	0.5	2.5
	21	1	0.5	2.6
02	00	1	0.5	2.5
	03	1	0.5	2.8
	06	1	0.5	2.6
	09	1	0.4	2.7
	12	1	0.4	2.9
	15	1	0.4	2.8
	18	1	0.4	2.8
	21	1	0.3	2.8
03	00	1	0.4	2.8
	06	3	0.5	2.1
			0.6	4.0
	09	1	0.5	2.5
	12	1	0.5	3.0
	15	1	0.5	2.9
	18	1	0.6	3.0
04	00	.	.	.
	03	1	0.6	2.8
	06	1	0.5	2.8
	09	1	0.5	3.0
	12	1	0.5	2.7
	18	3	0.4	1.8
			0.5	3.0
05	00	3	0.4	2.1
			0.5	3.0
	03	1	0.5	3.0
	06	1	0.5	3.0
	09	.	.	.
	12	.	.	.
	15	1	0.5	3.5
	18	1	0.5	3.3
	21	1	0.5	3.4



Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
------	----------	---	------------------------	---------------------

Station: Bombay(Colaba)(Contd.)

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
13	00	.	.	.
	06	.	.	.
	09	1	0.9	3.8
	12	3	0.8	4.0
			0.2	1.2
	18	3	0.3	1.7
			0.7	4.0
	21	1	0.7	4.0
14	00	1	0.6	4.0
	03	1	0.6	4.0
	06	1	0.6	4.0
	09	1	0.6	4.0
	12	3	0.6	4.0
			0.5	1.5
	18	3	0.6	4.0
			0.5	1.5
	21	1	0.6	4.0
15	00	1	0.6	4.0
	06	3	0.5	3.9
			0.3	1.5
	12	3	0.6	4.0
			0.5	1.8
	18	3	0.2	1.8
			0.5	4.0
16	00	3	0.5	4.0
			0.2	2.0
	06	3	0.5	4.1
			0.4	2.2
	12	3	0.6	4.0
			0.4	1.9
	18	3	0.4	1.7
			0.5	4.0
17	00	3	0.4	2.2
			0.5	4.6
	06	3	0.4	2.2
			0.5	5.0
	12	3	0.5	4.7
			0.4	1.5
	18	3	0.5	1.9
			0.5	5.0
18	00	3	0.4	2.0
			0.5	2.5
			0.5	4.0
	06	3	0.5	2.8
			0.5	4.0
	12	3	0.4	2.0
			0.4	4.0
	18	3	0.4	1.8
			0.5	2.5
			0.5	4.0
19	00	1	0.4	2.1
	06	1	0.5	2.7
	09	1	0.5	2.8
	12	3	0.5	2.6

May, 1964.

Date	Hour GMT	K	Mean amplitude in m.m.	Mean period in sec.
19	12	3	0.4	4.0
20	00	.	.	.
	06	3	0.4	3.0
			0.6	3.6
			0.3	1.8
	12	3	0.4	3.0
			0.6	4.0
	18	3	0.6	3.7
			0.5	3.0
21	00	1	0.5	3.5
	03	1	0.6	3.4
	06	1	0.6	3.5
	09	1	0.6	3.5
	12	1	0.6	3.7
	15	1	0.6	3.7
	18	1	0.6	3.5
	21	1	0.6	3.6
22	00	1	0.5	3.6
	03	1	0.6	3.8
	06	1	0.5	3.5
	12	1	0.5	3.6
	15	1	0.5	3.5
	18	1	0.5	3.5
	21	1	0.5	3.5
23	00	1	0.4	2.9
	03	1	0.4	3.0
	06	1	0.4	3.0
	09	1	0.5	3.4
	12	1	0.5	3.7
	15	1	0.5	3.5
	18	1	0.5	3.5
24	00	.	.	.
	03	1	0.4	3.0
	06	1	0.5	3.0
	09	1	0.5	3.0
	12	1	0.5	3.0
	15	1	0.5	3.0
	18	1	0.5	3.2
	21	1	0.5	3.2
25	00	1	0.5	3.2
	06	3	0.5	3.0
			0.5	2.0
	12	3	0.5	3.9
			0.2	1.4
			0.5	3.0
	18	3	0.5	3.5
			0.5	3.0
			0.3	1.5
26	00	3	0.4	3.5
			0.2	1.2
	06	3	0.4	3.2
			0.3	2.0
	12	.	.	.



Date	Hour	K	Mean amplitude in m.m.	Mean period in sec.
------	------	---	------------------------	---------------------

Station: Bombay(Colaba)(Contd.)

26	18	3	0.5 0.2	3.2 1.6
27	00	3	0.5 0.2	3.0 1.5
	06	3	0.7 0.5 0.2	3.5 3.0 1.8
	12	3	0.8 0.4	3.4 1.9
	18	3	0.9 0.3	3.5 1.6
28	00	1	0.8	3.5
	06	3	0.9 0.3 0.6	3.5 1.5 3.0
	12	1	0.9	3.7
	15	1	0.6	3.6
	18	1	1.0	3.5
	21	1	1.0	3.8
29	00	1	0.8	3.6
	03	1	0.8	3.7
	06	1	0.8	3.5
	09	1	0.7	3.5
	12	1	0.8	3.6
	15	1	0.8	3.6
	18	3	0.7 0.2	3.5 1.5
30	00	1	0.7	3.5
	03	1	0.6	3.3
	06	1	0.5	3.2
	09	1	0.5	3.1
	12	1	0.5	3.2
	15	.	.	.
	18	1	0.6	3.2
	21	1	0.7	3.3
31	00	1	0.9	3.3
	03	.	.	.
	06	1	0.8	3.1
	09	1	0.6	3.0
	12	1	0.6	2.8
	15	1	0.9	3.0
	18	1	1.0	3.0
	21	1	1.1	3.0

May, 1964.

Station: Port Blair.

01	00	...	-	-
	06	3	0.4	6
	12	...	-	-
	18	...	-	-
02	00	3	0.4	4
	06	3	0.4 0.2 0.4	7 3 6
	12	...	-	-
	18	...	-	-
03	00	3	0.2 0.4	3 7
	06	...	-	-
	12	...	-	-
	18	...	-	-
04	00	...	-	-
	06	3	0.2	3
	12	3	0.4	4
	18	...	-	-
05	00	3	0.2	3
	06	3	0.8	3
	12	3	0.4	3
	18	3	0.4	3
06	00	...	-	-
	06	...	-	-
	12	3	0.8	3
	18	...	-	-
07	00	3	0.8 1.2	3 5
	06	...	-	-
	12	3	0.8	3
	18	3	0.8 2.0	3 6
	18	3	1.2	3
08	00	3	0.8	3
	06	3	3.2	5
	12	3	3.2	5
	18	3	3.2	5
	18	3	3.2	5
09	00	3	2.4	3
	06	3	2.0	3
	12	3	0.8	3
	18	3	1.6 0.8	7 3
	18	3	0.8	7
10	00	3	0.4 0.8	3 7

Date	Hour	K	Mean amplitude in micron	Mean period in sec.
------	------	---	--------------------------	---------------------

Station: Port Blair(Contd.)

10	06	...	-	-
	12	3	0.4 0.8	3 7
	18	3	0.4 0.8	3 7
11	00	3	0.4	3
	06	3	0.4	3
	12	3	0.2 0.4	3 5
	18	3	0.2 0.2	3 7
12	00	3	0.4 0.2	3 7
	06	3	0.4	3
	12	3	0.4	3
	18	...	-	-
13	00	3	0.2	3
	06	...	-	-
	12	3	0.2	3
	18	3	0.2	3
14	00	3	0.2	3
	06	3	0.2	3
	12	3	0.2	3
	18	3	0.2	3
15	00	3	0.2	3
	06	3	0.2	3
	12	3	0.2	5
	18	3	0.2	3
	18	3	0.2	3
	18	3	0.2	3
16	00	3	0.2	3
	06	3	0.2	7
	12	3	0.2	7
	18	3	0.2	7
17	00	3	0.2	5
	06	3	0.2	5
	12	3	0.2	6
	18	3	0.2	5
18	00	3	0.2	5
	06	3	0.2	3
	12	3	0.2	7
	18	3	0.2	3
	18	3	0.2	3
19	00	3	0.2	3
	06	3	0.2	3
	12	3	0.2 0.4	3 7

May, 1964.

19	18	3	0.2 0.4	3 7
20	00	...	-	-
	06	3	0.4	7
	12	3	0.4	7
	18	...	-	-
21	00	...	-	-
	06	3	0.2 0.4	3 6
	12	3	0.2 0.4	3 6
	18	3	0.2 0.2	3 5
22	00	3	0.2	3
	06	3	0.4	3
	12	3	0.4	3
	18	3	0.4	3
23	00	3	0.4	3
	06	3	0.4	3
	12	3	0.8	3
	18	3	0.8	3
24	00	3	0.8	3
	06	3	0.8	3
	12	...	-	-
	18	2	0.8	3
25	00	2	0.8	3
	06	2	1.2	3
	12	...	-	-
	18	2	0.8	3
26	00	2	0.8	3
	06	3	0.2 0.8	3 5
	12	...	-	-
	18	3	0.4 0.8	3 5
27	00	...	-	-
	06	3	1.2	4
	12	3	0.8	5
	18	3	0.8	3
28	00	3	0.8	3
	06	3	0.4 0.8	3 5
	12	3	0.4	3
	18	3	0.4	3
29	00	3	0.4	3
	06	3	0.8	3
	12	3	0.8	3
	18	3	0.4	3
30	00	3	0.4	3
	06	3	1.6	3
	12	3	0.8	3
	18	3	0.8	3
31	00	3	0.8	3
	06	3	0.8	3
	12	3	0.8	3
	18	3	0.8	3