

D. J. Cooke

C.S.I.R.O. - DIVISION OF RADIOPHYSICS

ALLOCATION OF TELESCOPE OBSERVING TIME AT A.N.R.A.O., PARKES

1st QUARTER 1971

The quarter begins after a long Christmas Shutdown on 4th January, 1971. The 6 cm. receiver which has been installed will have to be switched on and started again on the first day. In the absence of the Parkes receiver maintenance staff this task will have to be performed by M.W. Sinclair or J.W. Brooks. It is expected that the receiver would be ready for observations at about 24 hours on 4th January, 1971. The receiver will then operate for another 53 days.

The arrangements for using the 60-ft. paraboloid and line receiving equipment during the installation of the 3 cm. receiver and the test observations with that receiver are entirely dependent on the requirements and wishes of Dr. A.R. Kerr.

Note that the 21 cm. line receiver is being installed towards the end of the quarter. Three 21 cm. applications could not be fitted in this quarter.

Polarization Measurements	J.A. Roberts, J.C. Ribes.
Extragalactic H-line absorption	F.F. Gardner, J.B. Whiteoak.
Search for HI near SNR's	J. Dickel.

These may expect to receive priority for the start of the next quarter, immediately after the Easter Shutdown, 9-12th April, 1971. Filters at 1 and 10 kHz are now completed to 64 each. The full 64 of 33.3 kHz may not be ready until mid quarter.

The usual instructions on accommodation at the quarters will apply.

A car for ANRAO observers' use is to be restored early in the quarter. It will be under the control of the Duty Astronomer.

The following abbreviations are in use:

Numeral on first line refers to receiver wavelength e.g. 6 = 6 cm.

Numeral- ℓ : line receiver of particular wavelength.

Numerals 1, 10, 33.3, 100 on second or later lines refer to filter bandwidths in kHz.

H/P, Sch.	: Hewlett-Packard, Schlumberger frequency synthesizers.
Cs	: Caesium frequency standard.
c/r	: Chart recorder.
X-Yp	: X-Y plotter.
c/m	: C.R.O. monitor.
T/p & p	: Teleprinter and punch.
C/m	: Computer maintenance.
d/c	: Desk check.

R.X. McGee,
For Programming Planning Committee.

C.S.I.R.O. - DIVISION OF RADIOPHYSICS

ALLOCATION OF TELESCOPE OBSERVING TIME AT A.N.R.A.O., PARKES

1st QUARTER 1971

DATE 1971	08 ^h - 13 ^h DAY	13 ^h - 24 ^h FIRST HALF	0 ^h - 08 ^h SECOND HALF	EQUIPMENT REQUIRED
JAN.				
Mon 4	C/m	Deep Survey, Flux Densities PKS sources.		6, 2 horn 1 c/r, PDP9, 1 c/m T/p & p.
Tue 5				
Wed 6				
Thu 7				
Fri 8	C/m, d/c	<u>BOLTON, SHIMMINS, WALL.</u>		
Sat 9				
Sun 10				
Mon 11	C/m	Feed Efficiency, Dish Gain D. COOPER, THOMAS, <u>YABSLEY</u> MONTICONE		6, Various feeds, 1,-2-mode smooth horn. 1 c/r, PDP9.
Tue 12				
Wed 13				
Thu 14		EGB Party		
Fri 15	C/m, d/c	Deep Survey, Flux Densities Extended Sources <u>COLE, WALL</u>		6. 2 horn 1 c/r, PDP9, 1 c/m T/p & p.
Sat 16				
Sun 17				
Mon 18	C/m			
Tue 19		<u>BOLTON, SHIMMINS, WALL</u>		
Wed 20				
Thu 21				
Fri 22	C/m, d/c			
Sat 23				
Sun 24				
Mon 25	C/m			
Tue 26				
Wed 27		Recombination Lines in Magellan Clouds and Southern Milky Way <u>McGEE, BROOKS, NEWTON</u>		6-l. Cold load. H/P, Sch, Cs, 10, 33.3, 100 1 c/r, RIDL, PDP9, 1 c/m, T/p & p, X-Yp Absorber in focal plane.
Thu 28				
Fri 29	C/m, d/c			
Sat 30				
Sun 31				
FEB.				
Mon 1	C/m	(Brooks installing mods on receiver. Ribes with PDP9 out- side obs.)		
Tue 2				
Wed 3				
Thu 4		Galactic Sources $\ell^{II} > 190^\circ$ <u>CASWELL</u>		6. Cold load. 1 c/r, PDP9, 1 c/m, T/p & p.
Fri 5	C/m, d/c			

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FEB.				
Sat 6		SNR mapping and polarization		6. Cold load. first then pol, 2 horn.
Sun 7				
Mon 8	C/m			
Tue 9				1 c/r, PDP9, 1 c/m.
Wed 10		J. DICKEL, <u>MILNE</u>		T/p & p.
Thu 11				
Fri 12	C/m, d/c	Polarization of radio sources		6. pol. 2 horn.
Sat 13				1 c/r, RIDL, PDP9.
Sun 14		WHITEOAK, <u>GARDNER</u>		
Mon 15	C/m			
Tue 16				
Wed 17		Formaldehyde line		6-l. Cold load.
Thu 18				H/P, Sch, Cs,
Fri 19	C/m, d/c			1, 10, 33.3, 100.
Sat 20				1 c/r, RIDL, PDP9,
Sun 21		<u>GARDNER</u> , WHITEOAK		X-Yp, 1 c/m.
Mon 22	C/m			Absorber in focal plane.
Tue 23				
Wed 24				
Thu 25				
Fri 26	C/m, d/c	Galactic Survey $l^{II} 216^{\circ}$ to 190°		11. $4\frac{1}{2}$ inch.
Sat 27		$b^{II} \pm 2^{\circ}$		Rotate to PA = 0° at all
Sun 28				1 c/r 3 pen, PDP9, 1c/m azimuths.
MAR.				
Mon 1	C/m	<u>DAY</u> , CASWELL		T/p & p. <i>Liquid Air</i>
Tue 2				
Wed 3		OH grid search on Carina Nebula		18-l Lin, circ. pol.
Thu 4				1640-1690 paramp.
Fri 5	C/m, d/c			H/P, Sch, Cs, 1, 10.
Sat 6		<u>H. DICKEL</u> +		2 c/r, RIDL, PDP9, X-Yp,
Sun 7				1 c/m
Mon 8	C/m			Cold load, liquid air.
Tue 9		Secondary Periodicities in		200, 100, 74, 50.
Wed 10		Pulsars		Multiple dipoles, Feed rotator.
Thu 11				H/P, Sch, Cs, 100.
Fri 12	C/m, d/c			1 c/r, PDP9, X-Yp,
Sat 13				1 c/m, T/p & p. PTU.
Sun 14		ABLES, <u>SLEE</u> , HIGGINS, COLE		
Mon 15	C/m			
Tue 16				
Wed 17				
Thu 18				

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MAR.				
Fri 19	C/m, d/c	OH line magnetic dipole radiation		545 dipoles.
Sat 20		<u>BOLTON</u> , ABLES		H/P, Sch, Cs, 10, PDP9,
Sun 21				X-Yp, 1 c/m, T/p & p, PTU.
Mon 22	C/m	Installation, Dish Testing		3.
Tue 23				1 c/r, PDP9, X-Yp,
Wed 24				1 c/m, X-Yp. T/p & p.
Thu 25		<u>KERR</u> , [YABSLEY], (COOPER)		
Fri 26	C/m, d/c			
Sat 27				
Sun 28				
Mon 29	C/m			
Tue 30		Installation Receiver		21-ℓ. Hybrid mode feed.
Wed 31		<u>MURRAY</u>		
APR.				
Thu 1		Zeeman Splitting South		21-ℓ. Hybrid feed.
Fri 2	C/m, d/c	Galactic Sources		
Sat 3				H/P, Sch, Cs, 1, 10.
Sun 4		<u>MURRAY</u> , RIBES		1 c/r, RIDL, PDP9,
Mon 5	C/m			X-Yp, 1 c/m, T/p & p.
Tue 6				
Wed 7				
Thu 8	C/m, d/c			
Fri 9		END OF QUARTER		
Sat 10		EASTER SHUTDOWN		
Sun 11				
Mon 12				
		<ul style="list-style-type: none"> ○ If not interfering with 210-ft. project 60-ft. obs. HI near pulsars. J. DICKEL, ABLES x If successful some tests obs. may be possible by KERR, ABLES, DICKEL, MILNE. 		21-ℓ. 60-ft. H/P, 33.3, RIDL, PDP9, X-Yp. 1 c/m, T/p & p.