

FORCAS

PROVISIONAL YERAC PROGRAMME

Monday 23 July

09.30-11.00 "Extragalactic"

Chairman - Julia Riley

Introduction

Jodrell Bank Introduction

Institute of Astronomy Introduction

Phase Stable Radio Link Interferometer

Fine Structure of Cygnus A at 1660 MHz

Observations of Cygnus A with the
5 km Radio Telescope

Prof. Sir Martin Ryle

P. Wilkinson

C.D. Mackay

R.S. Warwick (Jodrell)

R.J. Peckham (Jodrell)

P.J. Hargrave (Cambridge)

COFFEE

11.30-13.00 "Nearby Galaxies"

Chairman - Darrel Emerson

Leiden Introduction

21 cm observations of the Peculiar
Galaxy NGC 4258

The Baseline Ripple problem in
Spectral line observations

Recent 21 cm Observations of
Nearby Galaxies

21 cm observations of NGC 4736

R.S. Le Poole

G.D. van Albada (Leiden)

R. Hills (Bonn)

R. Love (Cambridge)

J.M. van der Hulst } (Groningen)
A. Bosma }

14.15-15.30 "Galactic Radio Astronomy"

Chairman - Alan Martin

Recent Continuum Surveys made with the 100m and 25m telescopes at Bonn	A. v. Kap-herer
Recombination Line Observations in the Direction of the Galactic Centre	T.A. Pauls (Bonn)
Neutral Hydrogen in the Galactic Centre Region	R.J. Cohen (Jodrell)
On the Identification of the Radio Source G355.1+0.1 with NGC 6383	R. Fillit (Meudon)
Synthesis observations of the Galactic Source W58	F.P. Israel (Leiden)

TEA

16.15-17.45 "Extragalactic"

Chairman - Bernard Fanaroff

Stockholm Observatory Introduction	J. Bystedt
Distribution of Polarization in Radio Sources	R. Davies (Jodrell)
Polarization of 117 Quasars and 44 Radio Galaxies with known Redshifts	P. Haves (Jodrell)
5 km Observations of Radio Galaxies and Quasars	G.G. Pooley (Cambridge)
A Bubble Model for Extragalactic Radio Sources	S.F. Gull (Cambridge)

Tuesday 24 July

09.30-11.00 "Nearby Galaxies"

21 cm line Observations of IC 342
HI in M31
HI and popI material in M31
Distances in Stephan's Quintet
Radio Continuum Radiation from the
Spiral Galaxy NGC 6946

R.H. Harten (Leiden)
J. Guibert (Meudon)
D.T. Emerson (Cambridge)
Miss C. Balkowski (Meudon)
A.H. Rots (Groningen)

COFFEE

11.30-13.00 "Galactic Radio Astronomy"

Chairman - Tony Readhead

Onsala Introduction
Wave amplification properties of
streaming molecular electronic plasma
New OH sources discovered at 1612 MHz
Background polarisation studies at
240 and 610 MHz

C. Andersson
A. Hjalmarson (Onsala)
L.E.B. Johansson (Onsala)
Mrs. Althea Wilkinson (Jodrell)

Wednesday 25 July

0930-11.00 "Pulsars and Extragalactic"

Pulsar Searches

J.H. Seiradakis (Jodrell)

Pulsar Observations?

W. Sieber (Bonn)

The Surroundings of Pulsars

R.E. Schönhardt (Bonn)

Pulsar Observations

A.I.O. Mclean (Jodrell)

A new Lacertid

J. Crovisier (Meudon)

Fine Structure of Radio Sources
at 81.5 MHz

A.C.S. Readhead (Cambridge)

COFFEE

11.30-1300 "Extragalactic" continued.

Extra-galactic Research at the R.G.O.

C.M.N. Moss

Radio Sources and Clusters of Galaxies

Mrs. J.M. Riley (Cambridge)

Optical and Radio properties of Quasars

D. Stannard (Jodrell)

Studies of Radio Sources with an
Interferometer of 23km Baseline

P. Wilkinson (Jodrell)

A Radio Source survey at 966 MHz

R.W. Porcas (Jodrell)

Source surveys and source counts

T.J. Pearson (Cambridge)

14.15-15.45 "Millimeter radio astronomy etc."

Kent Introduction

D.N. Matheson

A Fast digital autocorrelation
receiver of mm wave astronomy

C. Pell (Kent)

An 8mm interferometer for Solar
Radioastronomy at Bordeaux

J. Delannoy

9mm Radioastronomy at Aberdeen University

D.C. Thornton

A method of Correcting for Surface
Errors in Reflector Aerials

P.R. Cowles (Kent)

TEA

Cosmic Ray Modulation

Theoretical implications of the
observed radio emission from
SN 1970g in M101

The magnetic field of the Crab Nebula

HI Absorption Measurements

Hydrogen line Observations of NGC ~~5385~~⁷³²⁰

in Stephan's Quintet.

P.J. Bedijn (Leiden)

A.G. de Bruyn

A.S. Wilson (Leiden)

B. Lazaroff (Meudon)

W.T. Sullivan III (Groningen)