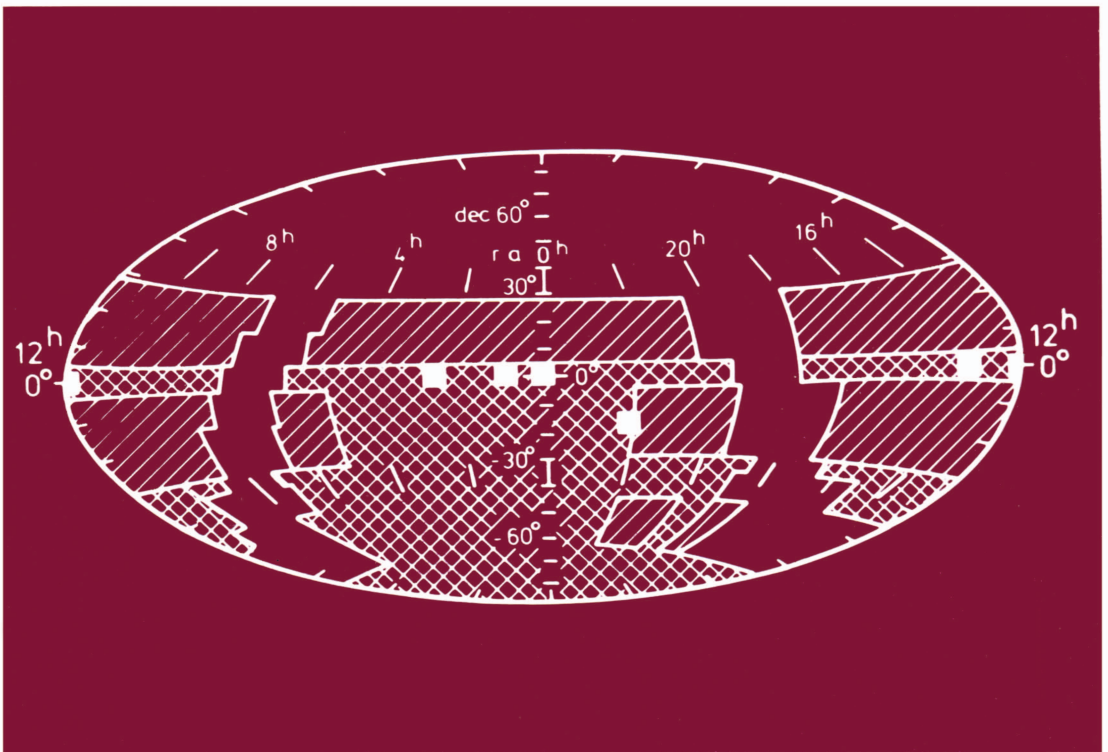


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 74

RADIO ASTRONOMY AND COSMOLOGY

Edited by DAVID L. JAUNCEY



INTERNATIONAL ASTRONOMICAL UNION

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RADIO ASTRONOMY AND COSMOLOGY

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IAU Symposium No. 74 was devoted to Radio Astronomy and Cosmology, emphasising all the aspects in which studies of discrete radio sources can provide cosmological information. All observational evidence available at the time of the symposium was surveyed in depth by astronomers who had made the observations. The main topics at the symposium were (I) surveys of radio sources, radio source counts, evidence for anisotropies in the distribution of radio sources, (II) spectral index distributions, (III) angular diameter-redshift and flux density relations, (IV) optical identifications and luminosity function of extra-galactic radio sources, (V) the observed optical and radio properties of radio galaxies and quasars, (VI) interpretation of cosmological information from studies of discrete sources, (VII) radio sources in clusters of galaxies, (VIII) microwave background radiation, (IX) other cosmological tests, (X) physical aspects of the cosmological evolution of radio sources.

The symposium indicated how intimately cosmological questions are intermixed with physical questions concerning the origin and evolution of radio sources. The resulting volume provides a complete survey of how radio astronomical observations can contribute to cosmological problems.

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