

Australian Journal of Physics Astrophysical Supplement

Number 34 April 1975

The Parkes 2700 MHz survey (seventh part). Supplementary catalogue for the declination zone -4° to -30° . *J. G. Bolton, A. J. Shimmins and J. V. Wall*

Abstract. A catalogue of 348 radio sources is presented, covering right ascensions $08^{\text{h}}00^{\text{m}}$ to $17^{\text{h}}00^{\text{m}}$ and $19^{\text{h}}30^{\text{m}}$ to $06^{\text{h}}30^{\text{m}}$ between declinations -4° and -30° . The regions omitted are within $\sim 10^\circ$ of the galactic plane. The catalogue was compiled from a 'fast' finding survey at 2700 MHz aimed at detecting sources stronger than 0.5 Jy. Subsequent measurements of flux density and position were made on all the sources which were not in the Parkes 408 MHz catalogue, and on some sources in the Parkes 408 MHz catalogue for which only data of low accuracy were available. Positions of the sources were determined to an accuracy of $7''$ arc r.m.s. in both coordinates. Flux densities for all sources were also measured at 5009 MHz. Identifications are suggested for 50 galaxies, 100 quasi-stellar objects and 4 planetary nebulae.

