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The Parkes 2700 MHz survey (eleventh part). Catalogue for declinations  $-4^\circ$  to  $-30^\circ$ , right ascensions  $22^h$  to  $05^h$ . *J. V. Wall, Alan E. Wright and J. G. Bolton*

*Abstract.* A catalogue of 819 radio sources is presented from a 2700 MHz survey of  $0.79$  sr about the south galactic pole. The catalogue is essentially complete for sources with  $S_{2700} \geq 0.22$  Jy, corresponding to a source density of 850 sources per steradian. Flux densities were measured for many of the sources at 5009 MHz, including most of the sources with  $S_{2700} \geq 0.35$  Jy. The accuracy in both the 2700 and 5009 MHz flux densities is  $0.02$  Jy or 3%, whichever is the greater. Root-mean-square position errors are  $10''$  arc for sources stronger than  $0.7$  Jy, increasing to  $25''$  for the weakest sources in the catalogue. The catalogue includes the results of a search of the Palomar Sky Survey prints for identification data.

New optical identifications from the eleventh part of the Parkes 2700 MHz survey: declinations  $-4^\circ$  to  $-30^\circ$ , right ascensions  $22^h$  to  $05^h$ . *Ann Savage and J. V. Wall*

*Abstract.* Identifications are suggested for 166 radio sources from a survey of  $0.8$  sr about the south galactic pole, 88 with galaxies, 77 with quasi-stellar objects and 1 with a planetary nebula. The identifications were made from Palomar Sky Survey prints, supplemented in some cases with plates from the SRC 1.2 m Schmidt telescope and the 3.9 m Anglo-Australian telescope.

Positions for the optical counterparts of some southern radio sources.

*J. Vander Haegen*

*Abstract.* Optical positions have been measured for 36 objects suggested as possible counterparts of radio sources near the south galactic pole. Twenty-nine of these are QSOs or possible QSOs, two are neutral stellar objects and the remainder galaxies. The positions are on the FK4 system and have typical errors of  $0''.5$  arc in right ascension and declination.

