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Optical identifications from the Molonglo catalogues MC2 and MC3. I. Right ascensions $11^{\text{h}} 28^{\text{m}}$ to $17^{\text{h}} 00^{\text{m}}$. *C. Hazard and H. S. Murdoch*

Abstract. This paper presents the results of an examination of the fields around 350 sources in the Molonglo radio source catalogues MC2 and MC3 for the R.A. interval $11^{\text{h}} 28^{\text{m}}$ to $17^{\text{h}} 00^{\text{m}}$. The 300 sources with a flux density ≥ 0.45 Jy form an essentially complete radio sample and of these 21% are identified with BSOs (most of which have now been spectroscopically confirmed as QSOs) and 22% with galaxies of 18^{m} or brighter. The magnitude scales adopted are carefully defined and based on the spectral sensitivity of the Palomar Sky Survey plates. A brief discussion is given of the magnitude distribution of the BSO identifications and possible evidence for anisotropy in the QSO distribution is noted.

Number 43 November 1977

Culgoora-3 list of radio source measurements. *O. B. Slee*

Abstract. The positions, flux densities and beam broadening of 1946 sources detected at 80 MHz with the Culgoora radioheliograph (the Culgoora-1 and Culgoora-2 lists) have been re-examined with the same instrument at 160 MHz. A further 99 sources of special interest have been observed at 80 and 160 MHz. Contour maps of 163 sources resolved by the $1'.9$ arc beam at 160 MHz are presented. For sources common to the Culgoora-3 and 4C catalogues, a comparison is made between the Culgoora 160 MHz positions and flux densities and the corresponding 178 MHz results in the 4C catalogue.

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The Parkes 2700 MHz survey (thirteenth part). Catalogue for declinations -15° to -30° , right ascensions 10^{h} to 15^{h} . *Ann Savage, Alan E. Wright and J. G. Bolton*

Abstract. A catalogue of 404 radio sources is presented from a 2700 MHz survey of 0.316 sr. The catalogue is essentially complete for sources with $S_{2700} \geq 0.25$ Jy, corresponding to a source density in this area of 900 sources per steradian. The catalogue includes the results of examination of the Palomar Sky Survey prints at the positions of the sources.

New optical identifications from the thirteenth part of the Parkes 2700 MHz survey: declinations -15° to -30° , right ascensions 10^{h} to 15^{h} . *J. G. Bolton and Ann Savage*

Abstract. Identifications are suggested for 44 radio sources from a survey of 0.316 sr of the southern sky, 27 with galaxies, 5 with quasi-stellar objects and 12 with possible quasi-stellar objects. The identifications were made from prints of the Palomar Sky Survey.

