

PREPARATION OF THE SUPPLEMENTS TO THE CATALOGUE OF STAR CLUSTERS AND ASSOCIATIONS

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Since 1988 the Astronomical Observatory of the Ural State University has been taking part in compiling the Supplements to the Catalog of Star Clusters and Associations (CSCA), in cooperation with our colleagues from Czechoslovakia and Hungary. In general, the format of Supplements is similar to that of CSCA by G. Alter, J. Ruprecht and B. Balazs.

At present all the work concerning Supplements 3 and 4 is carried out by the Ural State University. Supplement 3 contains more than 35 000 entries (in English) relating to nearly 1250 open clusters (OCL), 160 globular clusters (GCL) and 80 stellar associations, based on data published from 1982 until 1992 in more than 150 main astronomical periodicals of the world. Supplement 4 contains information published after 1992.

The new Supplements contain detailed, and often numerical, information about star clusters on the following subjects: photometric and spectroscopic observations; angular and linear sizes; color-magnitude diagram morphology and peculiarities; interstellar extinction; masses, ages, metallicities and their distributions; spatial, kinematic and dynamical parameters; stellar population (spectral types, peculiar objects, masers, IR and X-ray sources, variable stars, membership probabilities); association with gas, dust, dark clouds, emission nebulae. The number of clusters for which we have homogeneous metallicities is twice as large as that in Lyngå's Catalogue of Open Clusters (5th ed., 1987).