

BIBLIOGRAPHY AND OBSERVING CAMPAIGNS

INTRODUCTORY TALK : BIBLIOGRAPHY OF Be STARS

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As you know the first list of bibliography on Be stars was published in the second Be Star Newsletter. Six contributors are trying to cover the production of papers in the field. No doubt that the bibliography is very useful and I am very glad that Dr. M. Jaschek has offered the Newsletter for this purpose and that she is acting as the editor of the bibliography.

Since the start of this service I was thinking how to make the bibliography even more useful with reasonable amount of additional work. The first question is the scope of the bibliography : Be stars are not isolated in the Universe. When studying the Be phenomenon, people have found similtarities with early type supergiants, beta Cep stars, and even symbiotic stars. Several components of the Be binaries are WR stars or even X-ray sources. Very broad spectral region (from X-rays to radio waves) and different techniques including speckle interferometry are used to obtain data on Be stars. I think that the contributors should include also important papers from these fields in the Be star bibliography.

The second question is the bibliographical system. In a letter sent last May to Dr. M. Jaschek I proposed a system which is a modification of the system used by Commission 42 (See table 1). In fact, there are three categories of bibliographical entries : papers dealing with one or several stars, papers describing properties of tens of stars and general papers. The format for the first group should be the name of the star (HD number obligatorily if available), reference and code (Table 1) The format for the second group should be reference, code and file of all stars the paper is dealing with. Dr. L. Pastori has tried to process the bibliography with the proposed system and I think the result was very good.

So far, there are only few announcements of currents programs, so it is not worthwhile to include them as a permanent part of the bibliography. But I think people should use more the possibility offered by Dr. M. Jaschek and contribute to the Newsletter.

TABLE 1 - Be STAR BIBLIOGRAPHY - CLASSIFICATION SCHEMA

1. Conferences, symposia and monographs
2. Catalogues, discoveries
 - a) catalogues
 - b) discoveries of new Be stars
 - c) identifications of optical counterparts with X, IR and radio sources
3. Observational data
 - a) spectrometric (including spectrographic)
 - b) radial velocities
 - c) photometric
 - d) polarimetric
 - e) optical region
 - f) UV
 - g) X
 - h) IR
 - i) radio
4. Time scale
 - a) several points
 - b) long series
5. Theoretical investigations
 - a) models of envelopes
 - b) comparison with observational data
 - c) origin of the envelopes
 - d) evolution of Be stars
6. Statistical data
7. Miscellaneous

I do realize that the proposed version of the bibliography will require from the contributors and the editor an extra work, but I hope better system will be the reward of all the people involved.

Harmanec : There is still no general agreement on the nature of the Be phenomenon. Consequently, I vote for the system in which all early-type emission-line objects are considered.