

Part 1. Overview and Cosmological Context of
the Magellanic Clouds

Section B. Poster Papers



(Top, from left) Stephanie Côté, Frank Younger, Sophia Darwin, and Anka Venema – the Sophisticates String Quartet – entertained guests at the opening reception, while (bottom, from left) Pat McGuire, Teresa McGuire, Brenda Parrish and Victoria Emery cheerfully registered participants and provided local information throughout IAU Symposium 190.

SMC 1 or What's in a Name?

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Abstract. What's in a name? Everything! SMC 1 is a planetary nebula in the **Large** Magellanic Cloud! URLs of Web documents are given to aid astronomers in designating their astronomical sources so as to avoid confusion in the literature.

1. Introduction to Designation Problems

What's in a name? everything! SMC 1 is a planetary nebula in the **Large** Magellanic Cloud! This new planetary nebula near the LMC was noted by Savage, Murdin, & Clark (1982); it is also known as SMP LMC 104A (Sanduleak, MacConnell, & Philip 1978).

A look at current literature reveals that nonstandard, confusing designations of astronomical sources remain a problem. In an effort to promote clear and unambiguous identification of all astronomical objects outside the solar system, the Task Group on Designations of the International Astronomical Union attempts to clarify existing astronomical designations and the TG reviews, updates, and advertises the IAU Recommendations for Nomenclature. These guidelines and other resources from the IAU are described in the following sections.

2. Designation Guidelines from the IAU

The following documents on the Web are provided as a service to astronomers to help them with designating astronomical sources of radiation outside the solar system:

- How to refer to a source or designate a new one
<http://cdsweb.u-strasbg.fr/how.html>
- IAU Recommendations for Nomenclature
<http://cdsweb.u-strasbg.fr/iau-spec.html>

- Second Reference Dictionary of Nomenclature of Celestial Objects
<http://cdsweb.u-strasbg.fr/cgi-bin/Dic>

The “How to ...” document briefly outlines the steps for creating a proper designation while the “IAU Recommendations ...” gives the full details. The interactive “Second Reference Dictionary” is an electronic look-up which is updated on a regular basis. It provides full references and usages for more than 4000 different acronyms.

3. Additional Resources

The IAU recently developed a “registry” for new acronyms which is part of the Second Reference Dictionary. It may be found at:

- Registry of New Acronyms

<http://cdsweb.u-strasbg.fr/cgi-bin/DicForm>

Registering an acronym, especially for large, on-going surveys where images and source lists may be produced in stages, helps insure the availability of a suitable, unique acronym for the survey and that the proposed designation conforms to the IAU recommendations.

The Task Group in collaboration with editors of several astronomical journals and managers of large data archives is now studying the feasibility of an automated system to detect nonconforming designations when an article and/or survey data are submitted for publication and/or to an electronic archive.

Members of the Task Group (who are listed at the end of the IAU Recommendations ...) may be contacted regarding general questions about astronomical nomenclature or for specific help in creating appropriate designations for their sources.

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References

- Savage, A., Murdin, P.G., & Clark, D.H. 1982, *Observatory*, 102, 229
Sanduleak, N., MacConnell, D.J., & Philip, A.G.D. 1978, *PASP*, 90, 621