

APPENDICES

APPENDIX 1: SUMMARY OF DETECTED MOLECULES

More than 100 different interstellar and circumstellar molecules have been identified in the last 60 years. Complete lists are given in this volume in several chapters.

- **Interstellar Molecules.** A summary of identified interstellar molecules as of August 1996 is given in Table 1 in the chapter by M. Ohishi (p. 62). This table also contains molecules identified in the circumstellar envelope of the carbon-rich late-type star IRC+10216. An earlier version of this table containing abundances for dark clouds was published by Ohishi et al. 1992 (IAU Symposium 150, *Astrochemistry of Cosmic Phenomena*, ed. P.D. Singh, p. 173). Chemical names of most of the molecules are given, e.g., in the table by van Dishoeck et al. 1993 (in *Protostars & Planets III*, eds. E.H. Levy and J. Lunine (Arizona Press)).
- **Circumstellar Molecules.** A summary of molecules detected at radio wavelengths in the envelopes of AGB and post-AGB objects of different chemistries ($O/C < 1$, $O \approx C$, $O/C > 1$) is given in Table 1 in the chapter by H. Olofsson (p. 460). Typical molecular abundances are given in Table 2 (p. 463).
- **Photospheric Molecules.** A summary of the molecules detected in the photospheres of M, S and C stars, and the Sun (photosphere + sunspots) is given in Table 1 in the chapter by U.G. Jørgensen (p. 446).
- **Elemental Abundances.** Updated elemental abundances for chemically interesting species in the interstellar medium and the photosphere of the Sun are given in Table 1 of D. Meyer (p. 411).