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Book Review

Landolt—Börnstein. Numerical Data and Functional Relationships in Science and Technology. New Series Group II. Atomic and Molecular Physics. Volume 9. Magnetic Properties of Free Radicals. Part d2. Organic Cation Radicals and Polyradicals; edited by H. Fischer and K.-H. Hellwege. Springer-Verlag, Berlin/-Heidelberg/New York, 1980, xii + 369 pages, DM 470 (ca. U.S.\$ 250).

Volume II/9 of the New Series of Landolt—Börnstein represents a supplement and extension to Volume II/1 on magnetic properties of radicals, which appeared in 1965 and contained all the relevant data available at that time on ca. 500 free radicals. Volume II/9 contains data on ca. 8000 free radicals; it comprises six sub-volumes, the first of which appeared in 1977, and the present sub-volume, II/9d₂, is the last. It presents data on organic cation radicals and polyradicals, and also includes the index of substances for Volume II/1 and the whole of Volume II/9. The editors express the view that the field has reached a degree of saturation such that only relatively small occasional supplements will be necessary in the future, but there is room for some doubt about this.

This sub-volume contains sections on: aromatic hydrocarbon cation radicals (17 pages) and aromatic cation radicals containing O and S atoms (24 pages) by K. Ishizu, K. Watanabe, and H. Ohya-Nishiguchi; cation radicals from nitrogen-containing compounds, by S.F. Nelsen (102 pages); organic C-, O-, and N-centered bi- and poly-radicals (42 pages) by G. Kothe and W. Wilker; and organic bis- and poly-nitroxides (123 pages) by A.R. Forrester.

The usual very high standard of preparation, presentation and production is maintained in this sub-volume. All those interested in magnetic properties of free radicals will be glad that Volume II/9 is now complete, and will wish to have access to it.

COLIN EABORN

*School of Molecular Sciences,
University of Sussex,
Brighton BN1 9QJ (Great Britain)*