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Book reviews

"Index of Vibrational Spectra of Inorganic and Organometallic Compounds", Vol. 3
N.N. Greenwood and E.J.F. Ross, Butterworth, London and Boston, 1977, 1600
pages, £ 55.00.

This third volume, dealing with information published in the period 1964 – 1966, completes this valuable reference work, which comprises an index to all the research done on the vibrational spectra of inorganic and organometallic molecules from 1935 – 1966, with an outline of the experimental conditions used in each case. The year of 1966 is chosen as the cut-off date because from 1967 onwards the relevant literature is covered each year in the Chemical Society's Specialist Periodical Report entitled "Spectroscopic Properties of Inorganic and Organometallic Compounds". Sadly, the coverage in that publication is nothing like as complete as in the volume under review, but the 1600 pages needed to give a comprehensive index to 1964 – 1966 data indicates what a mammoth task a similar presentation of material for subsequent years would be. The three volumes by Greenwood and Ross provide an indispensable aid to inorganic and organometallic chemists needing to look up published data on vibrational spectra, and a considerable debt of gratitude is owed to the authors for their dedicated work.

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Colin Eaborn

"Rodd's Chemistry of Carbon Compounds". Vol. IV, "Heterocyclic Compounds, Part E. Six-membered monoheterocyclic compounds containing oxygen, sulphur, selenium, tellurium, silicon, germanium, tin, lead, or iodine as the heteroatom". Edited by S. Coffey, Elsevier Scientific Publishing Company, Amsterdam/Oxford/New York, Second Edn., 1977, xviii + 494 pages, U.S. \$ 79.75; D.fl. 195.00.

This latest volume of a long established and highly regarded encyclopaedic treatise deals with the chemistry of six-membered cyclic compounds containing in the ring one atom other than carbon from Group IV, VI, or VII. The coverage

includes naturally-occurring compounds which incorporate such rings as well as the parent heterocycles and their functional derivatives. Two chapters are by R. Livingstone; the first of these, 345 pages long, deals with compounds in which the heteroatom is oxygen, and the second, 80 pages long, with those in which it is sulphur, selenium, tellurium, silicon, germanium, lead, tin, or iodine. The accounts are illustrative rather than comprehensive, and the sections on silicon and tin compounds contain no references later than 1972. The third chapter appears as a tribute to the late Sir Robert Robinson, and consists of a reproduction of the chapter on brazilin and haemotoxylin which he contributed to the original IVB volume which appeared in 1960.

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Erratum

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Page 129, Tableau 1, the last line of the footnotes should read:

48 h à 20°C. F. Oxydation à -80°C, réduction après 48 h à 20°C