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BOOK REVIEWS

POSPÍŠILOVÁ, J., SOLÁROVÁ, J. (ed.): *WATER-IN-PLANTS BIBLIOGRAPHY*, VOL. 10, 1984. — Dr W. Junk Publishers, Dordrecht—Boston—Lancaster 1986. Paperback Dfl 250.00; US \$ 69.50.

This is volume 10 of the well-known "Water in Plants Bibliography". It is difficult to say any news about a series which is renowned for its accuracy and completeness. Perhaps the following: In the age of information explosion it is extremely useful and gives a single scientist a sense of safety that an experienced group of qualified specialists collects and compiles world literature in a special field, "water in plants" in this case. But on the other hand, in the age of computer networks and databases it seems to be a question of only some years whether the scientist will have the time to use ten or more volumes of a bibliography for literature searches. He will go to the terminal in his library and will do the job there. This of course does not lessen the value of the bibliography as such but it may well lessen the value of the printed form.

However, up till now terminals are not very frequent and I am convinced that vol. 10 will find its users. It contains 1853 references, mainly from papers which appeared in 1984.

This volume is accompanied with cumulative indexes to volumes 6—10. Unfortunately, this brought about a rather large number of citations (several hundred up to more than 1000) for single key terms of the subject index). A subdivision of some key terms in the next cumulative subject index seems to be a necessity.

This volume together with its predecessors will be an invaluable help for each group engaged in plant-water relationships.

P. APEL (*Gatersleben*)

HUTZINGER, O. (ed.): *AIR POLLUTION*. Volume 4, Part A. — Springer-Verlag, Berlin—Heidelberg—New York—Tokyo 1986. 222 pp. DM 168.—.

This publication represents part A of volume 4 in a series: *Handbook of Environmental Chemistry*. Volume 1 of this series deals with the natural environment and biochemical cycles, volume 2 with environmental reactions and processes and volume 3 focuses on the most important chemical compounds produced or released by man. The main aim of volume 4 is to present a complete description of various aspects of air pollution — not only its possibly damage to humans but also to buildings and materials, water ecosystems, animals, crops *etc.* The publication is divided into 5 parts. The first chapter: "Air pollution in perspective" presents an overview of current problems in air pollution control, of atmospheric pollution effects on health and of the economics of air pollution. The main objective of chapter II is to review our present knowledge of the occurrence of halogenated hydrocarbons in the atmosphere. These pollutants play an important role in photochemical processes of the atmosphere, since they constitute the source of halogenic radicals which catalytically destroy ozone. Chapter III focuses on the formation, transport and control of photochemical smog. The concluding part of this publication examines the physical basis for precipitation scavenging, and provides methods for scavenging calculations.

This book, together with other volumes of this series, should be in the hands of scientists and technologists who are concerned with the methods of abatement of the present accumulations of environmental pollutants.

J. VELEMÍNSKÝ (*Praha*)