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BOOK REVIEW

POSPÍŠILOVÁ, J., SOLÁŘOVÁ, J. (ed.): WATER-IN-PLANTS BIBLIOGRAPHY. Volume 2, 1976. — Dr. W. Junk by Publishers, The Hague 1978. 129 + VI pp.

The book is the second volume of papers from branches of the study of water relations of wild and cultivated plants. The first volume involved the papers published in 1975, the second covers those published in 1976. As was expected their number has increased, which gives evidence of a steadily rising interest in the study of all aspects of water relations in plants. Very detailed indexes enabled the editors to clearly arrange the increased number of information. This was positively affected by the fact that even the papers published in local journals, proceedings of symposia and conferences, as well as in the reports and annuals of scientific institutions, were compiled according to the original reprints supplied by the authors.

All publications documented are given with complete bibliographic data, and in the alphabetic order according to the first author. They are numbered consecutively and the numbers are used in the author, plant and subject indexes. The indexes give a lot of interesting information. According to the subject index the item "Water potential in plant" has remained as the most frequent, followed by "Soil moisture" and "Evapotranspiration". The frequency of the items "Water content in plant tissue", "Water saturation deficit", and especially "Model" has increased. The high number of investigations performed on crop plants and forest woody plants points out the importance of the study of water relations of these plants for the recognition of their properties and for improving their cultivation. In the subject index the item "Water status in plant, its effect on growth and productivity" contains 149 references, that of "Irrigation, effect on growth and productivity" 124 citations, "Pesticides and herbicides, effect on growth and productivity" is a new item. In the plant index the most frequent of cultivated plants are *Triticum* (113), *Zea* (99), *Hordeum* and *Glycine* (65), *Solanum* (55).

The second volume of "Water in Plants Bibliography" is a very good manual to all workers interested in the physiology and physiological ecology of water relations in plants.

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