

morphological changes in the coffee bug when applied to coffee leaves. Such insecticidal compounds may, it is suggested, be the valve in controlling diseases carried by insect vectors.

The prime value of this volume is in bringing together much information on the physiologically active plants in a readily accessible form. Some of the chapters will only be of interest to the specialist, but much of the material is of general interest and should prove a useful

source of reference, not only to those interested in the medicine, but also to all interested in the interaction of plants with animals, insects and microorganisms at the molecular level. The quality of paper and printing is not high; at £16.50 this is a useful but expensive addition to anyone's library.

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## SYMPOSIUM REPORT

### *Twelfth Symposium of the Phytochemistry Society of Japan*

The symposium was held at Kyoto Kaikan, Kyoto, on 24 January 1976. The following papers were presented: *The production and regulation of shikonin derivatives in cultured cells* by M. Tabata, H. Mizukami, N. Hiraoka, and M. Konoshima (Faculty of Pharmaceutical Sciences, Kyoto University); *Biosynthesis of phenolic acids in carrot cells in suspension cultures* by N. Sugano, M. Hashimoto, and A. Nishi (Faculty of Pharmaceutical Sciences, University of Toyama); *Studies on the constituents of crude drugs by bioassay* by H. Oshio, T. Komiya and M. Goto (Central Research Division, Takeda Chemical Industries, Ltd.); *Fish poisoning and insect growth inhibiting constituents of plants* by K. Kawazu (Faculty of Agriculture, Okayama University); *Chemical study on the metabolism of geraniol and farnesol derivatives by fungi* by S. Marumo, K. Imai, and M. Katayama (Faculty of Agriculture, Nagoya University); and *Synthesis of L-tyrosine related amino acids by  $\beta$ -tyrosinase* by H. Yamada and H. Kumagai (The Research Institute for Food Sciences, Kyoto University).

The next meeting will be held in Osaka in January 1977 organized by Professor Tokoroyama, Osaka City University.

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