

- KALLIS, A., TOOMING, H.: Estimation of the influence of leaf photosynthetic parameters, specific leaf weight and growth functions on yield. — *Photosynthetica* 8 : 91–103, 1974.
- LONGSTRETH, D. J., NOBEL, P. S.: Salinity effects on leaf anatomy. — *Plant Physiol.* 63 : 700 to 703, 1979.
- METIVIER, J. R., DALE, J. E.: The effect of grain nitrogen and applied nitrate on growth, photosynthesis and protein content of the first leaf of barley cultivars. — *Ann. Bot.* 41 : 1287 to 1296, 1977.
- NÁTR, L.: The influence of removal of mineral deficiency on dry weight, rate of photosynthesis and N, P, K concentrations in barley. — *Flora* 159 : 589–599, 1970.
- NÁTR, L., PURŠ, J.: The relationship between rate of photosynthesis and N, P, K concentration in barley leaves. I. Nitrogen absent from the nutrient solution. — *Photosynthetica* 3 : 320 to 325, 1969.
- NOBEL, P. S.: Internal leaf area and cellular CO₂ resistance: photosynthetic implications of variations with growth conditions and plant species. — *Physiol. Plant.* 40 : 137–144, 1977.
- PATRICK, J. W.: Distribution of assimilate during stem elongation in wheat. — *Aust. J. biol. Sci.* 25 : 455–467, 1972.
- PRIOUL, J.-L.: Biométrie des ultrastructures et activité des chloroplastes. — *Bull. Soc. fr. Physiol. vég.* 14 : 317–322, 1968.
- TERRY, N.: Instant assessment techniques for crop performance. — *Calif. Agr. No.* 12, 1974.
- THOMSON, W. W., WEIER, T. E.: The fine structure of chloroplasts from mineral-deficient leaves of *Phaseolus vulgaris*. — *Amer. J. Bot.* 49 : 1047–1055, 1962.
- TISHCHENKO, N. N., MIROSLAVOVA, S. A., VASIL'EV, B. R.: [Synthesis of nitrogen containing compounds during the light period in leaves of plants differing in the type of CO₂ fixation.] In Russ. — *Vest. lenigr. Univ. Biol.* 9 : 103–111, 1973.
- TSUNODA, S.: Leaf characters and nitrogen response. — In: *The Mineral Nutrition of the Rice Plant*. Pp. 401–418. John Hopkins Press, Baltimore 1964.
- TSUNODA, S.: Photosynthetic efficiency in rice and wheat. — In: *Rice Breeding*. Pp. 471–482. Int. Rice Res. Inst., Los Baños 1972.

Figures at the end of the issue.

BOOK REVIEW

MOLITORIS, H. P., HOLLINGS, M., WOOD, H. A. (ed.): *FUNGAL VIRUSES*. XIIth Internat. Congr. Microbiol., Mycology Sect., Munich, 3–8 Sept., 1978. — Springer-Verlag, Berlin–Heidelberg–New York 1979. Pp. 194. Figs. 78. Cloth DM 58,—. US \$ 32.50.

The book records the contributions presented at the XIIth International Congress of Microbiology, at the Symposium on Fungal Viruses and the Symposium on Extrachromosomal Vectors in Fungi, both organized by the Mycology Section of the Congress. The articles presented demonstrate the progress which has been made in fungal viruses (mycoviruses) research since the first report of 1962. The book brings the original reports and reviews concerning the problems of a) mycovirus characterization (physicochemical properties, ss and ds RNA as genetic material, interaction of secondary metabolites of fungi with mycoviruses), b) infectivity and transmission of mycoviruses, c) effect of the presence of mycoviruses in host fungal cell on the host organism, morphological changes in fungi induced by fungal viruses, d) new methods enabling immunochemical detection of mycoviruses, e) the influence of mycovirus infection on the production of edible fungi. Many people will also be interested in the review pointing to the vector role of fungi for plant viruses.

The book has 78 figures and numerous references to the problem at the end of each article. This book will be very useful for all who are interested in mycology, plant pathology and plant physiology.

P. TICHÝ (Praha)