

- HA NGOC, K. A., TRAN THANH VAN, M.: Capacité caulogène de cellules de cal issues des couches cellulaires minces de type épidermique de ramifications florales de *Nicotiana tabacum* cv. Wise. 38. — *Physiol. Plant.* **46** : 203–207, 1979.
- HORWATH, M. J., PETERSON, R. L., TOMES, D. T.: Cellular differentiation in small clumps of *Lotus corniculatus* callus. — *Can. J. Bot.* **61** : 507–517, 1983.
- KONSTANTINOVA, T. N., BAVRINA, T. V., AKSENOVA, N. P., GOLIANOVSKAYA, S. A.: [Effect of glucose on morphogenesis of stem callus of the photoperiodically neutral tobacco plant Trapezond.] In Russ. — *Fiziol. Rast.* **19** : 89–98, 1972.
- MEINS, F., JR., FOSTER, R., LUTZ, J.: Quantitative studies of bud initiation in cultured tobacco tissues. — *Planta* **155** : 473–477, 1982.
- MURASHIGE, T., SKOOG, F.: Revised media for rapid growth and bioassays with tobacco tissue culture. — *Physiol. Plant.* **15** : 473–497, 1962.
- NACHLAS, M. M., WALKER, D. G., SELIGMAN, A. M.: A histochemical method for demonstration of diphosphopyridine nucleotide diaphorase. — *J. biophys. biochem. Cytol.* **4** : 29–37, 1958.
- NGUYEN THI DIEN, TRAN THANH VAN, M.: Différenciation *in vitro* et *de novo* d'organes floraux directement à partir des couches minces de cellules de type épidermique de *Nicotiana tabacum* Wisc. 38. Etude au niveau cellulaire. — *Can. J. Bot.* **52** : 2319–2322, 1974.
- OPATRŇÁ, J.: Selective histochemical localization of alcohol dehydrogenase in bud primordia cells of wheat shoot apices. — *Biol. Plant.* **16** : 149–151, 1974.
- OPATRŇÁ, J.: Histochemical investigation of dehydrogenases in shoot apices of wheat plants at different ontogenetic stages. — *Biol. Plant.* **17** : 67–74, 1975.
- PATEL, K. R., BERLYN, G. P.: Cytochemical investigation on multiple bud formation in tissue cultures of *Pinus coulteri*. — *Can. J. Bot.* **61** : 575–585, 1983.
- PATEL, K. R., THORPE, T. A.: Histochemical examination of shoot initiation in cultured cotyledon explants of radiata pine. — *Bot. Gaz.* **145** : 312–323, 1984.
- TANIMOTO, S., RADIATA, H.: Effects of IAA, zeatin, ammonium-nitrate and sucrose on the initiation and development of floral buds in *Torenia* stem segments cultured *in vitro*. — *Plant Cell Physiol.* **22** : 1553–1560, 1981.
- THORPE, T. A., MEIER, D. D.: Starch metabolism, respiration, and shoot formation in tobacco callus cultures. — *Physiol. Plant.* **27** : 365–369, 1972.
- THORPE, T. A., MURASHIGE, T.: Some histochemical changes underlying shoot initiation in tobacco callus cultures. — *Can. J. Bot.* **48** : 277–282, 1970.
- TRAN THANH VAN, M.: Control of morphogenesis or what shapes a group of cells? — In: FIECHTER, A. (ed.): *Advances in Biochemical Engineering*. Vol. 18. Pp. 151–171. Springer-Verlag, Berlin-Heidelberg-New York 1980.
- VAN DEN ENDE, G., BARENDSE, G. W. M., KEMP, A., CROES, A. F.: The role of glucose on flower bud formation in thin-layer tissue cultures of *Nicotiana tabacum* L. — *J. exp. Bot.* **35** : 1853 to 1859, 1984.

Figures at the end of the issue.

BOOK REVIEW

SCHLECHTER, R.: *DIE ORCHIDEEN*. 3. Auflage. Eds.: F. E. Brieger, R. Maatsch, K. Senghas. — Vol. 1., Issues 16, 17, 18. 945–1128 pp., Paul Parey, Berlin 1986.

The issues 16–18 of the first volume of this Orchid monograph include the descriptions of the last species of the genus *Dendrochilum* and the following genera: *Pleione*, *Neogyna*, *Dicksonia*, *Ischnogyne*, *Parisea*, *Pholidota*, *Buleya* and *Otochilus*, the last genus of the subtribe *Coelogyninae*, and the 482th genus of the whole Orchid's family. The next and also last group of *Vandoideae* is elaborated by K. SENGHAS as an independent subfamily, while other authors, such as MANSFELD, VERMEULEN and GARAY classified it as a tribe of the subfamily *Epidendroideae*.

The morphological characteristics of this subfamily are complemented by several excellent scanning photomicrographs of the flower — organ microstructures by BARTHOLTS. The subfamily *Vandoideae* is divided into five tribes: *Vandae*, *Polystachyeae*, *Maxillarieae*, *Cymbidieae* and *Oncidieae*, all being the Orchid groups most suited and preferred for cultivation. The issues include only a part of the subtribes and genera of the tribe *Vandae*, finishing by the 538th Orchid genus *Triceratorhynchus*.