

PAPERS ACCEPTED FOR PUBLICATION IN JANUARY AND FEBRUARY

- D. ROBINSON: The β -glucosidase and β -galactosidase components of *Medicago sativa* L.
- J. B. HARBORNE: Comparative biochemistry of flavonoids—II. 3-Desoxyanthocyanins and their systematic distribution in ferns and gesnerads
- J. COOMBS and C. P. WHITTINGHAM: The effect of high partial pressures of oxygen on photosynthesis in *Chlorella*—I. The effect on end products of photosynthesis
- G. H. N. TOWERS, AIDA TSE and W. S. G. MAASS: Phenolic acids and phenolic glycosides of *Gaultheria* species
- D. A. HEATHERBELL, B. H. HOWARD and A. J. WICKEN: The effects of growth retardants on the respiration and coupled phosphorylation of preparations from etiolated pea seedlings
- G. L. K. HUNTER and W. B. BROGDEN, JR.: Analysis of cold-pressed orange oil paraffin waxes
- R. D. BENNETT and E. HEFTMANN: Biosynthesis of pregnenolone from cholesterol in *Haplopappus heterophyllus*
- H. CO and P. MARKAKIS: Precursors in the biosynthesis of pelargonidin 3-glucoside
- SISSEL HERTZBERG and SYNNOVE L. JENSEN: Carotenoids of blue-green algae—I. The carotenoids of *Oscillatoria rubescens* and an *Athrospira* sp.
- SISSEL HERTZBERG and SYNNOVE L. JENSEN: Carotenoids of blue-green algae—II. The carotenoids of *Aphanizomenon flos-aquae*
- G. G. FREEMAN: Isolation of alternariol and alternariol monomethyl ether from *Alternaria dauci* (Kühn) Groves and Skolko
- K. J. TREHARNE, E. I. MERCER and T. W. GOODWIN: Carotenoid biosynthesis in some maize mutants
- NORMA J. MACLEOD and J. B. PRIDHAM: Observations on the translocation of phenolic compounds
- R. W. SCORA: Contribution to the study of the essential leaf oils in *Severinia buxifolia* (Poir.) Tenore
- D. J. OCKENDON, R. E. ALSTON and K. NAIFEH: The flavonoids of *Psoralea* (Leguminosae).
- S. CORY, L. R. FINCH and R. W. HINDE: The incorporation of [32 P] phosphate into nucleic acids of normal and boron-deficient bean roots
- T. R. RICKETTS: The carotenoids of the phytoflagellate, *Micromonas pusilla*
- H. SUSENO and R. E. HAMPTON: The effect of three strains of tobacco mosaic virus on peroxidase and polyphenol oxidase activity in *Nicotiana tabacum*
- SHARON DESBOROUGH and S. J. PELOQUIN: Disc electrophoresis of tuber proteins from *Solanum* species and interspecific hybrids
- J. CORSE, R. E. LUNDIN, E. SONDHEIMER and A. C. WAISS, JR.: Conformation analysis of D-(—)-quinic acid and some of its derivatives by nuclear magnetic resonance
- Y. SUZUKI: Alcohol dehydrogenase (alcohol : NAD oxidoreductase) from the pea seedling
- R. L. YOUNG, J. W. HYLIN, D. L. PLUCKNETT and R. T. NAKAYAMA: Analysis for kawa pyrones in extracts of *Piper methysticum*
- C. F. CULBERSON: The structure of a new depsidone from the lichen *Parmelia livida*
- TH. BREYHAN and F. HEILINGER: Analytische Untersuchungen der Aminosäuren und der Chlorophyllbildung in Kartoffelkeimen
- J. W. HANOVER: Environmental variation in the monoterpenes of *Pinus monticola* Dougl.
- D. A. ROBB, T. SWAIN and L. W. MAPSON: Substrates and inhibitors of the activated tyrosinase of broad bean (*Vicia faba* L.)
- S. SCHWIMMER: DNA polymerase activity of mung bean seedlings
- F. TAFURI: IAA determination in the kernels of four lines of corn and of their hybrids
- W. E. HILLIS: Variation in polyphenol composition within species of *Eucalyptus* L'Herit
- K. B. DALAL, L. E. OLSON, M. H. YU and D. K. SALUNKHE: Gas chromatography of the field-, glass greenhouse-grown, and artificially ripened tomatoes (*Lycopersicon esculentum* Mill.)
- N. G. BISSET, M. A. DIAZ, C. EHRET, G. OURISSON, M. PALMADE, F. PATIL, P. PESNELLE and J. STREITH: Etudes chimio-taxonomiques dans la Famille des Dipterocarpacees—II. Constituants du genre *Dipterocarpus* Gaertn. f. Essai de Classification Chimio-Taxonomique
- A. R. WELLBURN and F. W. HEMMING: The occurrence and seasonal distribution of higher isoprenoid alcohols in the plant kingdom
- A. GOLDSWORTHY: Experiments on the origin of CO₂ released by tobacco leaf segments in the light
- P. VALENZUELA, O. CORI and A. YUDELEVICH: Occurrence of monoterpenes in *Pinus radiata* and utilization of labelled CO₂ and mevalonic acid
- M. A. DIAZ, G. OURISSON, and N. G. BISSET: Etudes chimio-taxonomiques dans la famille des dipterocarpacees—I. Introduction générale. Constituants du genre *Doona* Thw.