

1982 SYMPOSIA

The **23rd Annual Meeting of The American Society of Pharmacognosy** will be held 1–6 August 1982 at the University of Pittsburg, PA, U.S.A. Speakers will include: R. Bentley (Vitamin K Biosynthesis), I. M. Campbell (Secondary Metabolism in Fungi), P. Goldman (Drug Metabolism by Gut Microflora), S. D. Nelson, (Mammalian Drug Metabolism), V. Smith (Microbial Models of Mammalian Metabolism), and A. Veliky (Biotransformation by Plant Cell Tissue Cultures). Deadline for submission of abstracts of contributed papers is 15 June 1982. For further details, contact: Dr. Joseph E. Knapp or Dr. David J. Slatkin, Department of Pharmacognosy, School of Pharmacy, University of Pittsburgh, Pittsburgh, Pennsylvania 15261, U.S.A.

The **First International Symposium on Gaseous Air Pollutants and Plant Metabolism** will be held 2–5 August 1982 in Oxford, U.K. There will be sessions on: defining pollution problems in Europe, America, China and Japan; the penetration of pollutants into plant cells; the residence times of active species and their effects on membranes and cell ultrastructure; the effects on photosynthesis and membrane-associated and light-modulated reactions; photo- and oxidative phosphorylation; the effects on metabolite pools; changes in the nutritional quality of crops and in resistance to insect or fungal attack; and the biochemical mechanisms of pollutant tolerance. For further information contact: Dr. M. J. Koziol, Botany School, South Parks Road, Oxford, OX1 3RA, U.K.