

12. Mehta, U. and Mohan Ram, H. Y., *Indian, J. Exp. Biol.*, 1980, **18**, 800.
13. Mok, M. C. and Mok, D. N. S., *Physiol. Plant*, 1977, **40**, 261.
14. Saunders, J. W., and Bingham, E. T., *Crop Sci.*, 1972, **12**, 804.
15. Keyes, G. J., Collins, G. B. and Taylor, N. L., *Theor. Appl. Genet.*, 1980, **58**, 265.
16. Oelck, M. M., Bapat, V. A. and Schieder, O., *Z. Pflanzenphysiol.*, 1982, **106**, 173.
17. Mehta, U., Rao, I. V. and Mohan Ram, H. Y., In: *5th Int. Congr. Plant Tissue and Cell Culture* (ed.) A. Fujiwara, Tokyo, 1982, p. 595.

ANNOUNCEMENT

51ST ANNUAL MEETING OF INDIAN ACADEMY OF SCIENCES, BANGALORE 7-10 NOVEMBER 1985 AT MADURAI

The 51st Annual Meeting of the Indian Academy of Sciences will be held at Madurai from 7-10 November 1985. The programme is as follows.

7 November 1985 (Thursday) – Inaugural function including Presidential address.

8 November 1985 (Friday) – Symposium on 'The Genome in Flux'. Convener K. Dharmalingam, Madurai Kamaraj University, Madurai – Introduction. (1) H. Sharat Chandra, Indian Institute of Science, Bangalore – 'Some genetic and evolutionary problems posed by sexuality' (2) M. S. Kanungo, Banaras Hindu University, Varanasi – 'Change in conformation and expression in the genome of a mammal during its life span'. (3) D. S. Pradhan, Bhabha Atomic Research Centre, Bombay – 'Mitochondrial DNA repair and replication during anaerobic-aerobic transition of *S. cerevisiae*'. **Lecture presentations by Fellows and Young Associates:** (1) M. R. Das, Centre for Cellular and Molecular Biology, Hyderabad – 'Molecular biology of cancer'. (2) P. Babu, Tata Institute of Fundamental Research, Bombay – 'Gene expression in the fruitfly *bithorax* as a model'. (3) K. N. Ganesh, Centre for Cellular and Molecular Biology, Hyderabad – 'Gene fragments: Synthesis, chemistry and biological importance'. (4) T. J. Pandian, Madurai Kamaraj University, Madurai – 'Food nitrogen as a predictor of digestive efficiency'. (5) A. S. Kolaskar, Centre for Cellular and Molecular Biology, Hyderabad – 'Nucleic acids sequence analysis—Structural and biological implications'. **Evening lecture** by R. Cowsik, Tata Institute of Fundamental Research, Bombay – 'Architecture of the universe'

9 November 1985 (Saturday) – Symposium on 'Fifth Generation Computers' Convener: Prof. V. Rajaraman. Speakers (1) V. Rajaram, Indian Institute of Science, Bangalore – Introduction. (2) H.

N. Mahabala, Indian Institute of Technology, Madras – 'Nature of computer applications in the fifth generation'. (3) P. V. S. Rao, Tata Institute of Fundamental Research, Bombay – 'Speech and visual input/output to computers in the fifth generation'. (4) K. V. Ramanathan, Tata Institute of Fundamental Research, Bombay – 'Integrated circuits – past, present and future'. **Special lecture** by G. Neuweiler, University of Munich, F.R.G. – 'Echolocation in South Indian bats'. **Lecture presentation by Fellows and Young Associates** (1) K. S. Yajnik, National Aeronautical Laboratory, Bangalore – 'Control of turbulence'. (2) T. N. Shorey, Tata Institute of Fundamental Research, Bombay – 'Recursive sequences'. (3) N. Mohan Kumar, Tata Institute of Fundamental Research, Bombay – 'Curves in space'. (4) B. R. Iyer, Raman Research Institute, Bangalore – 'Black holes are not for ever'. (5) V. Balakrishnan, Indian Institute of Technology, Madras – 'Random walks'. **Evening lecture** by I. Mahadevan, Madras – 'A computer study of the Indus script'.

10 November 1985 (Sunday) – Lecture presentations by Fellows and Young Associates – (1) E. D. Jemmis, University of Hyderabad, Hyderabad – 'Theoretical study of an organometallic reaction'. (2) M. G. Kulkarni, National Chemical Laboratory, Pune – 'Applications of super absorbent polymers in the separation process'. (3) R. A. Rajadhyaksha, University of Bombay – 'Zeolite catalysts: promise and performance'. (4) V. K. Gaur, National Geophysical Research Institute, Hyderabad – 'Earthquake prediction research'. (5) P. Ramachandrarao, Banaras Hindu University, Varanasi – 'Synthesis of phase diagrams'. (6) J. S. Singh, Banaras Hindu University, Varanasi – 'Certain emerging properties of central Himalayan forest ecosystems'.