

7. Sukumar, R., *Ecology of the Asian elephant (Elephas maximus) and its interaction with man in South India*, Ph. D. thesis, Indian Institute of Science, Bangalore, 1985.
8. DeNiro, M. J. and Epstein, S., *Geochim. Cosmochim. Acta*, 1978, **42**, 495.
9. Stump, R. K. and Frazer, J. W., *Nucl. Sci. Abs.*, 1973, **28**, 7848.
10. Woessner Jr. J. F., In: *Treatise on collagen*, (ed.) B. S. Gould, Academic Press, London, New York, 1968, Vol. 2, p. 253.
11. Tieszen, L. L., *Nature (London)*, 1978, **276**, 97.
12. Lewin, R., *Science*, 1983, **220**, 1369.

NEWS

ANNUAL MEETING OF THE INDIAN NATIONAL SCIENCE ACADEMY

Dr. Awtar Singh Paintal, Director-General of the Indian Council of Medical Research, New Delhi, has been elected as President of the Indian National Science Academy, at the annual meeting of the Academy held recently at the Indian Institute of Science, Bangalore.

During the annual meeting, Prof. C. N. R. Rao, the outgoing president, delivered a lecture on "Electron energy loss spectroscopy: An old technique rediscovered". Prof. Rao in his address appealed to

Indian scientists to ensure that their professional contributions were of the highest standards and promoted the much needed excellence to build a vibrant scientific community in the country. Prof. Rao observed that in spite of some of the successes in certain areas of science and technology the scientific scenario in the country was discouraging; though there are a few men and institutions of excellence, the morale and performance of the average working scientist is not very high.

SHANTI SWARUP BHATNAGAR PRIZE FOR SCIENCE AND TECHNOLOGY

Nineteen scientists/technologists have been awarded the Shanti Swarup Bhatnagar Prizes in science and technology for 1985 and 1986. Given for research primarily in India, the award comprises a cash award of Rs. 20,000 and a scroll.

The recipients for 1985 and 1986 are as follows: **Physical Sciences (1985)**: Prof. Narendra Kumar, Indian Institute of Science, Bangalore; Prof. Kehar Singh, Indian Institute of Technology, Delhi; **(1986)**: Prof. P. K. Kaw, Physical Research Laboratory, Ahmedabad. **Biological Sciences (1985)**: Prof. M. Vijayan, Indian Institute of Science, Bangalore; Dr. C. M. Gupta, Central Drug Research Institute, Lucknow; **(1986)** Prof. Madhav Gadgil, Indian Institute of Science, Bangalore. **Engineering Sciences (1985)**: Prof. P. Ramachandra Rao, Banaras Hindu University, Varanasi; **(1986)** Prof. M. L. Munjal, Indian Institute of Science, Bangalore. **Medical**

Sciences (1985): Dr D. K. Ganguly, Indian Institute of Chemical Biology, Calcutta; **(1986)** Dr. S. S. Agarwal, Sanjay Gandhi Post-Graduate Institute of Medical Sciences, Lucknow; Dr Pradeep Seth, All India Institute of Medical Sciences, New Delhi. **Mathematical Sciences (1985)**: Prof. S. K. Malik, Punjab University, Chandigarh; Prof. R. Parthasarathy, Tata Institute of Fundamental Research, Bombay; **(1986)**: Prof. T. Parthasarathy, Indian Statistical Institute, New Delhi; Prof. U. B. Tewari, Indian Institute of Technology, Kanpur. **Earth Sciences (1985)**: Dr R. N. Singh, National Geophysical Research Institute, Hyderabad; **(1986)** Prof. A. K. Gupta, University of Allahabad; Dr. K. Mallick, National Geophysical Research Institute, Hyderabad; **Chemical Sciences: (1986)**: Prof. P. Balaram, Indian Institute of Science, Bangalore.