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NEWS

MOSCOW PHYSICISTS MAKE A DISCOVERY

The State Committee for Discoveries and Inventions has registered a discovery made at the Institute of Experimental and Theoretical Physics and the Institute of High Energy Physics by corresponding member of the USSR Academy of Sciences V. Vladimirsky and by Dr I. Kapchinsky and Dr V. Teplyakov.

One major problem before the physicists is how to prevent the dispersion of particles in a linear accelerator. The method used so far makes it possible to concentrate only those particles which are moving fairly fast.

The discovery made by the Moscow physicists enables the focusing of particles moving at one-

fifteenth or one-twentieth of the speed required under the old technique. That led to the development of new radiation technologies of producing materials of which nuclear reactor shells are built.

It is now possible to devise an efficient technique of regenerating uranium fuel for nuclear power plants. These accelerators can help obtain a secondary flow of electrons which will bombard heavy water "chips". That may be one way of achieving nuclear fusion. (*Soviet Features*, Science and Technology, Vol. XXVI, August 1, p. 3; Published by: Information Department, USSR Embassy in India, New Delhi 110 001.)

JEB (YOUNG SCIENTIST) PRIZE

The JEB Prize Committee headed by Dr R. C. Dalela, President, the Academy of Environmental Biology, has recommended the coveted 3rd 'JEB Prize 1987' to Dr K. S. Jagannatha Rao, Scientist, Central Food Technological Research Institute, Mysore for contributing outstanding research in the field of Toxicology, to be awarded during the 9th Annual Session of the Academy of Environmental

Biology at Jai Research Foundation, Valvada.

Dr W. Rajendra, Sri Venkateswara University, Tirupati; Dr Janak Ahi, Sagar University, Sagar; Miss Jyoti Singh, Banaras Hindu University, Varanasi, and Miss Aradhana Dasgupta, M. D. University, Rohtak have been recommended for the 'Best Paper Presentation 1987 Certificate'.