Cosmic Ray Study
At High Altitudes
Announced Lateuly

High-altitude research at the Massachusetts Institute of Technology reveals that primary cosmic rays, the particles which constantly bombard the earth from outer space, consist of less than four per cent electrons. Dr. Zerold R. Zacharias, Director of the Laboratory for Nuclear Science and Rocket Research, announced recently that some scientists believe that electrons constitute a large share of the primary cosmic rays, but carried out by Dr. Zerold R. Zacharias, well known for his research in this field, and Robert L. Hulsizer, Jr., of the Institute's Laboratory for Nuclear Science and Rocket Research. The fact that primary cosmic rays consist of practically no electrons gives important support to the theory that protons, the nuclei of hydrogen atoms, are by far the major component of cosmic radiation.

Knowledge of the proportions of protons to electrons now permits a calculation of the differential composition of the primary cosmic rays and hence of their point of origin in space, one of the mysteries of science. The discovery, however, raises a new problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced in the atmosphere, a problem of how electrons of billions of volts energy are produced...