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## Meteorites

Rocket City Astronomical Association

Space Enterprises, Inc.

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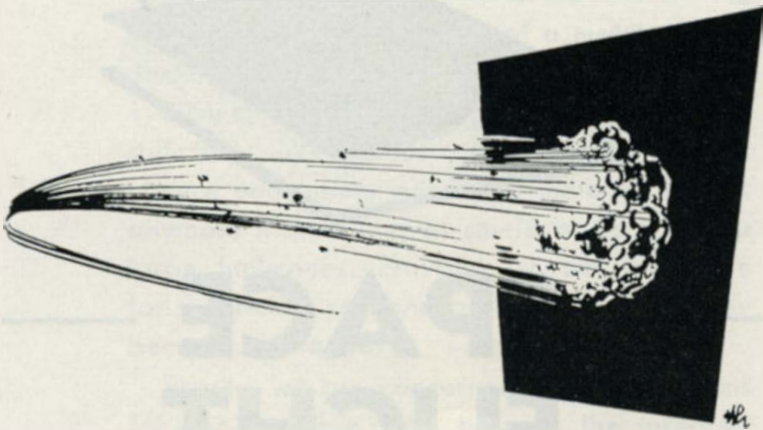
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# METEORITES



## GLOBAL REPORTING

### Russia

★ Soviet cosmic ray studies are being pursued at a new Pamira Mountains scientific center in Central Asia. The center is equipped with a 70-ton electromagnet, a cloud chamber, an ionization hodoscope, and automatic control equipment. When the apparatus is assembled, Soviet scientists will be able to detect the flux of cosmic particles over a wide area. Studies of nuclear interactions at energies of 50-billion electron volts are going on, too.

★ A Soviet satellite for relaying TV broadcasts appears to be in the planning stages, with scientists anxious to carry out preliminary tests of both the rocket vehicle and the broadcast relay apparatus. The decision to push ahead with such a plan was made last January by the TV section of the USSR Scientific and Technical Society of Radio Technology and Electrical Communications. It is claimed that a steady reception would be assured throughout the Eastern Hemisphere. Thus, the TV satellite would give the Russians an "electronic foot" in the door of countries inhabited by some 2.2 billion persons.

★ The Moscow City Council is sponsoring a contest among Soviet sculptors for the design of a monument in commemoration of the launching of Sputnik I. Many models and designs have been submitted and are currently on view in Moscow for public reaction. Visitors to the exhibition are asked to write their comments on various designs as an aid to the panel of judges that will make the final selection.

### Great Britain

★ A Space medicine symposium, organized by the British Interplanetary Society and the Royal Air Force, Institute of Aviation Medicine, was held on 16 October 1958. The subjects discussed included the effects of conditions likely to be encountered in Space (excessive acceleration, weightlessness, radiation, temperature extremes, etc.) and means for their mitigation, food supplies, psychology, current research programs, etc.

★ The new British rocket testing center "Spadeadam" is now under construction near Carlisle, Cumberland. The project, which includes a complete settlement with restaurants, recreation halls, stores, hospital, fire house, is being erected with government funds. After completion it will be made available to the rocket and missile divisions of Rolls Royce and de Havilland.

### FRANCE

★ The French atomic scientist C.-N. Martin has come to the conclusion that the Russian Sputniks were not launched from the Caspian Sea area but from the Ukraine. He reports his reasons in *Les Satellites Artificiels*.

### United States

★ The United States Air Force recently disclosed that it has been recovering recorded scientific information from outer space with some of its Thor and Atlas missile flights that carry operational nose cones.

The nose cone, developed by General Electric, is equipped with a "messenger" that records data during flight. Before the nose cone returns to Earth, the "messenger" is ejected from it by a small jato unit. The "messenger" itself is a small plastic sphere 18 inches in diameter. It contains a tape recorder, a junction box, a battery pack, dye markers, and a sofar sounding bomb. The plastic is strong enough to protect the instruments yet light enough to allow the "messenger" to float in water.

★ A four-man experimental Space station, launched by an Atlas missile and orbiting 400 miles above Earth, has been proposed by the Convair Division of General Dynamics Corporation. According to the proposal which the firm says could be a reality within five years from the starting date, an Atlas without nose cone or associated weapons gear would be fired into orbit. The shell would be equipped as a Space station. Escape gliders are fastened to the back for return to Earth.

### United Nations

★ The abolition of national claims to the Moon and the planets of the Solar System is expected to be a major issue on the provisional agenda of the United Nations Assembly. Secretary General Dag Hammarskjöld voicing the proposals of the United States and Russia has called for international agreement which would rule that outer Space should be a community affair with individual power claims to celestial bodies illegal.

