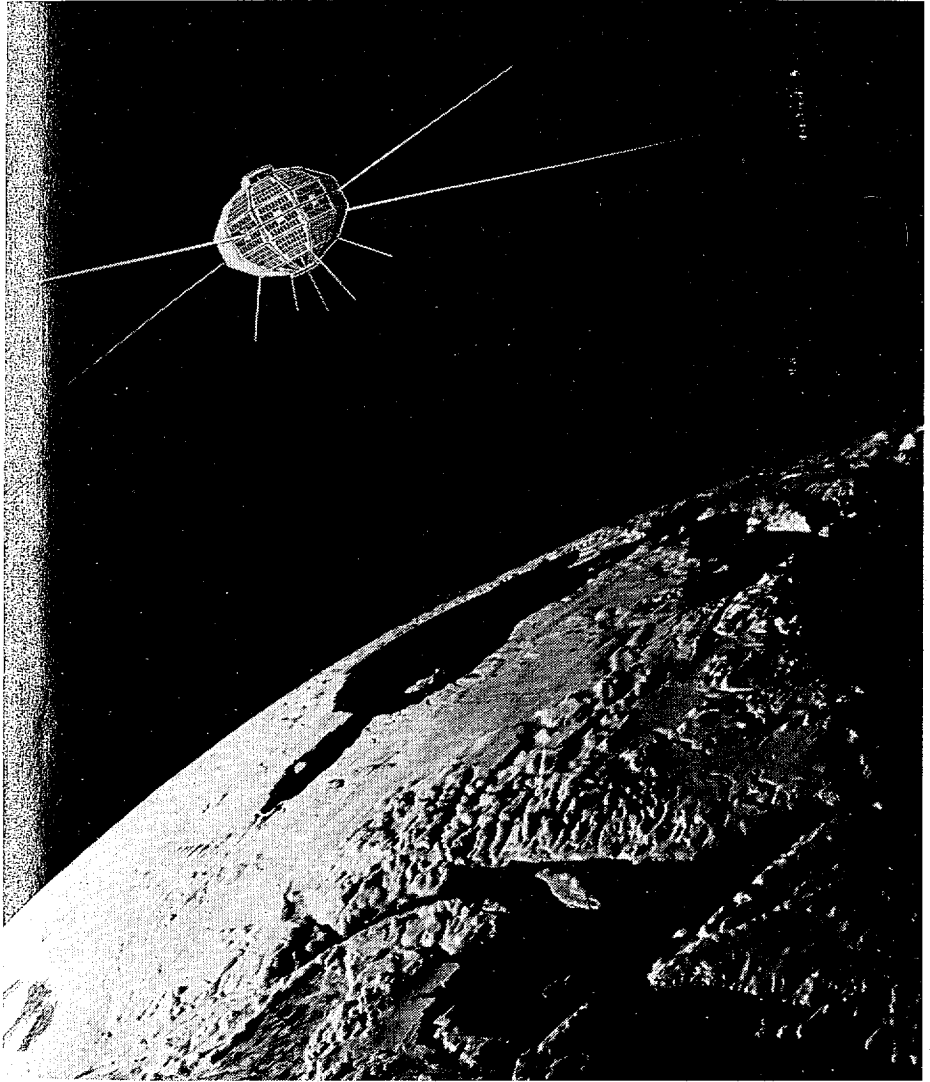


ation of satellite-borne "topside" radio-sounding experiments was begun in 1958. The following year, the Defence Research Telecommunications Establishment entered into a project of co-operation with the United States National Aeronautics and Space Administration.

### Construction

The "Alouette" spacecraft is an oblate spheroid of aluminum 42 inches in diameter and 34 inches in height, weighing about 320 pounds. Approximately 6,500 solar cells covering the outer shell of the craft provide power for the research



*An artist's idea of how the "Alouette" would look to a very high-flying astronaut.*