



SPACE TECHNOLOGY LABORATORIES, INC.

PUBLIC RELATIONS • ORCHARD 0-1311 • EXT. 2001-2-3
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FOR IMMEDIATE RELEASE

COMPONENTS

According to its builder, Space Technology Laboratories, Inc., Los Angeles, there are over 100,000 separate components contained in NASA's Explorer VI now circling the earth.

This includes everything from condensers to clamps. Most of the parts are commercially available with a relatively small number hand-crafted for specific uses.

A large variety of metals and plastics was also used in constructing the payload, representing half of all the elements shown on the physicist's table of elements.

Among metals used are lithium and magnesium and rare earths. Plastics, including Epoxy resins, which because of toughness and ability insure moisture protection, supplied coatings of glue on small resistors and capacitors.

Another plastic used is Teflon, because of its qualities as a superior dielectric and as an excellent high temperature insulator. The latter was developed expressly for use in miniaturized equipment.

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