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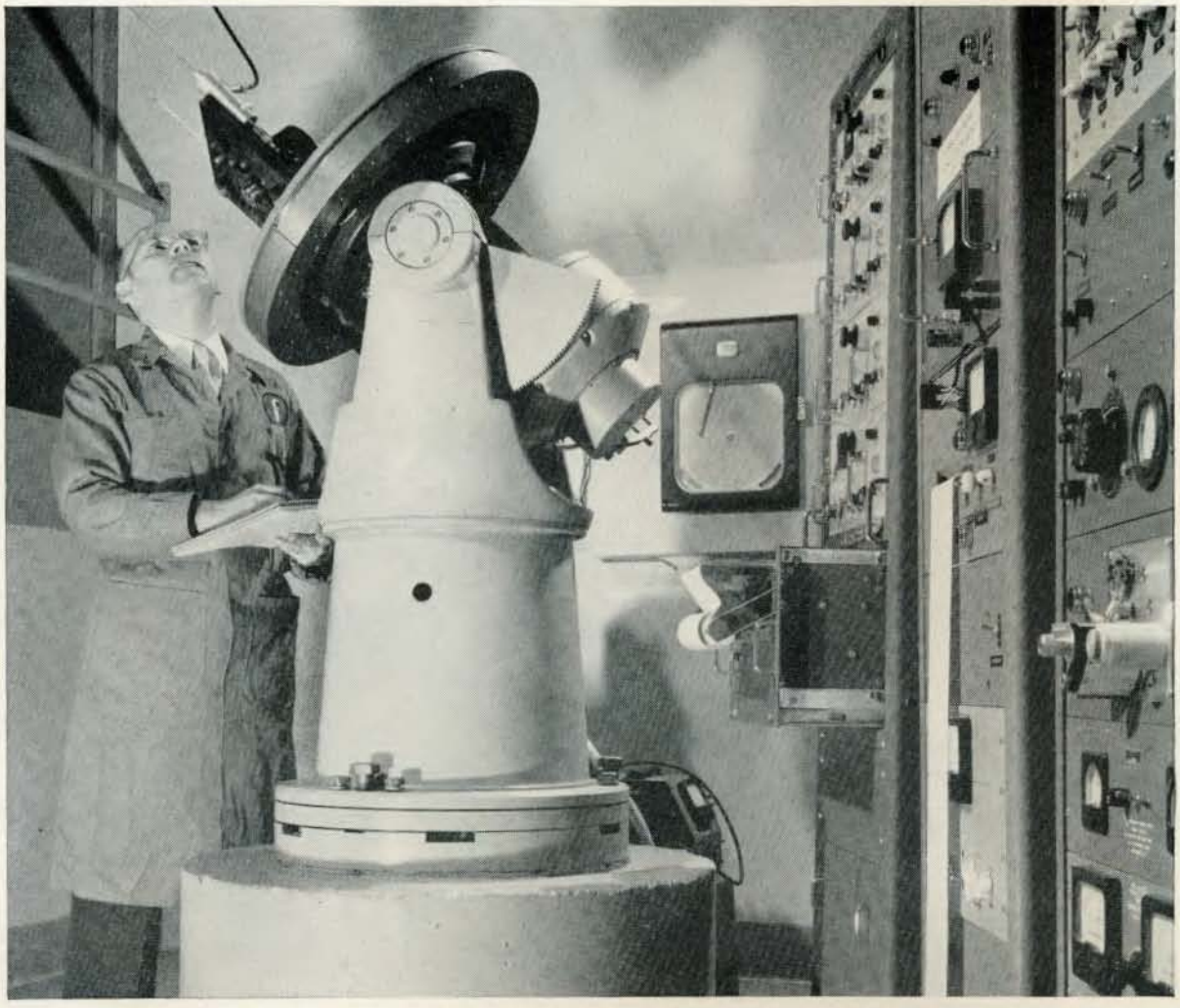
Front Matter

Rocket City Astronomical Association

Space Enterprises, Inc.



Ford Instrument Co. Engineer checks air-bearing gyro for angular drift on equatorial test stand. Test can show up drift rates as low as one revolution in 40 years. Tests like this . . .

helped Army put "Explorer" into orbit

Some of Ford Instrument's current or recent programs include:

Inertial guidance systems . . . including Redstone and Jupiter

Missile launching and control order computers

Navigational and mission control systems and computers

Analog and digital computer systems

Fuzing, arming and other warhead control equipment

Plotting equipment

Nuclear systems and controls

Gunfire controls

Drone controls

A special guidance system for the Jupiter C, developed by the Army Ballistic Missile Agency, was used to launch the first U. S. artificial satellite into space.

Many components of this system were provided by Ford Instrument Co., prime contractor for both the "standard" U. S. Army Redstone and Jupiter guidance systems.

The fabulously-equipped, fantastically-clean gyro lab (above) is only a small part of the advanced research and development facilities available at Ford Instrument Co. They're used to create and produce the incredibly accurate control systems called for by modern technology in both government and industry.

And Ford Instrument's large-scale precision manufacturing facilities can turn even the most critical system requirements into working "hardware" on a quantity-production basis. Our Liaison Engineers are at your service to discuss your system requirements. 8.6

FORD INSTRUMENT CO.

DIVISION OF SPERRY RAND CORPORATION

31-10 Thomson Avenue, Long Island City 1, New York

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SPACE JOURNAL OF THE ASTRO-SCIENCES

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COVERS

FRONT: Layout and design by Harry Lange. Sketch is Explorer I (See page 15 for story)

BACK: Oil painting by Harry Lange was inspired by John Hulley's "The Purpose of Man In The Universe" (see page 3)

EDITORIAL

FEATURES

DEPARTMENTS

SPACE FICTION

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SUBMISSION OF MATERIAL
The submission of material to this Journal is always welcome; short articles of 500 to 3000 words are preferred. Send the original on white bond paper, typewritten, double spaced; plus two carbons. Leave at least a one-inch margin on all sides and key all illustrations with the text. Photographs should be 8 x 10 inches on glossy stock. The author's name and title should be on the manuscript. A picture of the author and a short biographical note are required for publication. Security clearance for all material submitted is the responsibility of the author. Please send material to SPACE Journal P. O. Box 82, Huntsville, Alabama. All material accepted for publication becomes the exclusive property of SPACE Journal.

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