

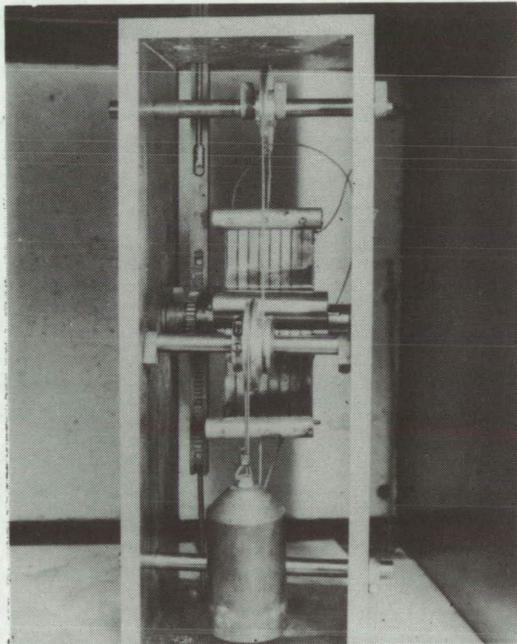
NASA TECH BRIEF

Marshall Space Flight Center



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Apparatus Tests Flexural Durability of FCC



A new device tests the flexural durability and electrical continuity of flat conductor cables in a temperature-controlled environment.

Specimens of finished cables are installed under tension in the apparatus. All conductors of the test specimens are connected in series, and a small current is applied through a continuity tester which is capable of detecting discontinuities for periods of at least 1 μ sec. The cables are flexed in two directions for a specified number of cycles at 30 cycles per second and under any desired temperature in the range from -70° to $+250^{\circ}$ C.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
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Reference: B71-10458

Patent status:

No patent action is contemplated by NASA.

Source: C. M. Chambers and W. E. Norton
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