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Cover

Giant turning vanes resembling oversized Venetian blinds are set in each corner of the transonic circuit of the propulsion wind tunnel at the Arnold Engineering Development Center at Tullahoma, Tenn. The vanes guide air flow around the 90° corners of the circuit to reduce turbulence and help maintain a steady flow of air through the test section. The circuit operates in Mach number range from about 0.5 to 1.6 at simulated altitudes up to and beyond 100,000 feet. [Arnold Engineering Development Center, U.S. Air Research and Development Command]