16-FOOT TRANSONIC TUNNEL
50TH ANNIVERSARY CELEBRATION

Langley’s 16-Foot Transonic Tunnel will celebrate its 50th continuous year of operation with a program and reception at the H.J.E. Reid Conference Center, 14 Ames Road, on Thursday, November 14, 1991, from 2:00 to 3:00 p.m.
You are invited to attend this special event in Langley’s history.

This celebration will be a gathering of those individuals who worked in the 16-Foot Tunnel, as well as those interested in Langley and aviation history. A brief slide review of the tunnel’s history and recognition of past supervisors will highlight the activities.
Tours of the tunnel will be available by reservation only following the reception.

Please make your reservations for a tunnel tour by November 13, 1991, with Bob Berrier, NASA Langley Research Center, Mail Stop 280, Hampton, Virginia 23665-5225, or telephone 804-864-3001.
November 13, 1941
16-Foot High-Speed Tunnel operational. Closed circular test section 16 feet in diameter; maximum test section Mach number: 0.71; two 8,000 horsepower electric motors. Used primarily for aircraft engine cooling and cowling tests and for the investigation of aerodynamic characteristics of full-scale propellers.

December 6, 1950
16-Foot Transonic Tunnel operational. Octogonal slatted test section; maximum Mach number of 1.10, 60,000 horsepower drive system. Work pertained to the extension of propeller aerodynamic data to supersonic speeds and to extensive study of jet effects on aircraft performance.

March 9, 1961
Air removal system operational. Maximum Mach number of 1.30, 36,000 horsepower compressor capable of removing about 4.5 percent of the tunnel mass flow through the test section wall slots.