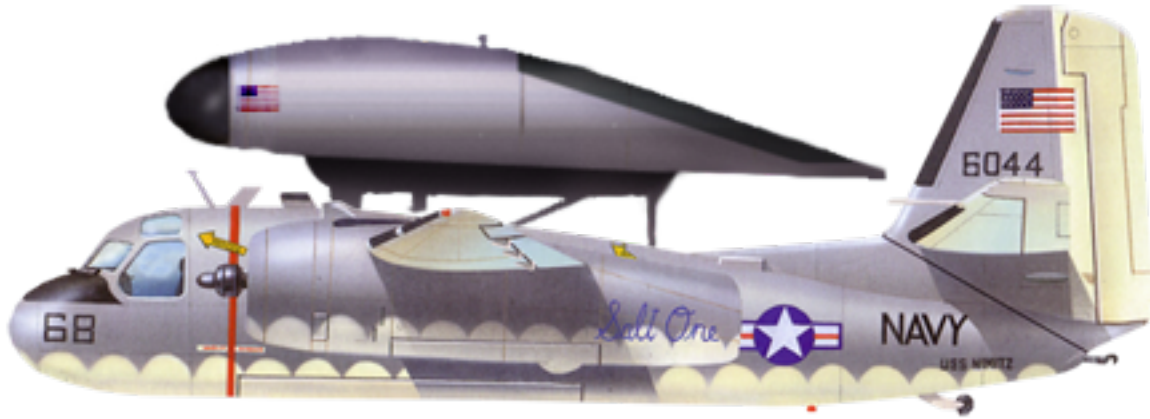


# PATRIOTS POINT

★ HOME OF THE USS YORKTOWN ★



**E-1B TRACER**  
**Grumman**

The carrier based E-1B Tracer provided critical early warning and guidance support. Its four man crew was able to remain in flight up to seven hours. The most distinguishing feature of the E-1B is the enormous aerodynamic radome over the truck of the aircraft.

With the delivery of the E-1B Tracer, Grummen delivered to the Navy an aircraft with a single purpose; airbourne early warning. Entering service in 1954, the E-1B was a derivative of the still relatively new S-2 Tracker. But the Tracer was distinct in its appearance because of its top mounted radome, a strong but electronically transparent thin shell that housed radar equipment.

When it came to the colorful collaboration that yields aircraft nicknames, the E-1B took a backseat to no one. Since the S-2 was nickmaned STOOOF, quite naturally the E-1B became the "Stoof with a Roof". However, the best known E-1B nickname was derived from the Navy's original WF aircraft designation. Willie Fudd became a permanent fixture in the Navy Patrol Squadron vernacular and would remain in service until the early 1970s.

**Type:** twin-engined airborne early warning aircraft

**Bureau Number:** 147225

**NMNA ID** 2005.069.001

**Powerplant:** two 1137-kW (1525-hp) Wright R-1820-82 or -82A radial piston engines

**Maximum speed:** 451 km/h (280 mph) at 1220 m (4000 ft)

**Cruising speed:** 269 km/h (167 mph)

**Climb rate:** 594 m/min (1950 fpm)

**Range:** 1785 km (1105 miles)

**Ceiling:** 7560 m (24,800 ft)

**Weights:** empty 7544 kg (16,600 lb); maximum take-off 11,158 kg (24,548 lb)

**Dimensions:**

Span 21.23 m (69 ft 8 in)

Length 12.80 m (42 ft)

Height 4.97 m (156 ft 4 in)

Wing Area 45.06 m<sup>2</sup> (485 sq ft)

*This aircraft is on loan from the National Museum of Naval Aviation at Pensacola, FL*