

AAIB Bulletin No: 5/93

Ref: EW/G93/03/04

Category: 1c

**Aircraft Type and Registration:** DH32A Tiger Moth, G-AOEI

**No & Type of Engines:** 1 DH Gipsy Major 1C piston engine

**Year of Manufacture:** 1938

**Date & Time (UTC):** 6 March 1993 at 1655 hrs

**Location:** Cambridge Airport, Cambridgeshire

**Type of Flight:** Private

**Persons on Board:** Crew - 2                      Passengers - None

**Injuries:** Crew - None                      Passengers - N/A

**Nature of Damage:** Severe to propeller, cowling, lower wing, fin and rudder

**Commander's Licence:** Basic Commercial Pilot's Licence with IMC and Instructor ratings

**Commander's Age:** 69 years

**Commander's Flying Experience:** 2,848 hours (of which 700 were on type)  
Last 90 days - 10 hours  
Last 28 days - 8 hours

**Information Source:** Aircraft Accident Report Form submitted by the pilot

The pilot under training had been carrying out a series of touch and go landings on the grass Runway 23 at Cambridge. The surface conditions were good with a light and variable wind with good visibility in haze and broken cloud at 2,000 feet.

He reported that during the fourth rolling take off the aircraft became partially airborne having encountered some uneven ground. When it touched down again the propeller struck the ground causing the aircraft to pitch forward 'head over heels' coming to rest inverted. The student pilot and instructor, who were both wearing full harnesses, vacated the aircraft without injury.

The instructor reported that after the bounce the student applied too much forward stick pitching the aircraft into a tail high attitude. The instructor attempted to apply the necessary corrective action but could not overcome the student's control input.