



National Transportation Safety Board Aviation Accident Final Report

Location:	Burnett, TX	Accident Number:	DFW06CA174
Date & Time:	07/01/2006, 0850 CDT	Registration:	N7943G
Aircraft:	Cessna 172L	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor, 2 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

The 20,000-hour flight instructor reported that while on an instructional flight at about 700 feet above ground level (AGL), he reduced the engine power to idle, applied carburetor heat, and asked the student pilot to perform a simulated forced landing. The student pilot elected to land in a nearby field on a southerly heading. The flight instructor added that the field was adequate for the emergency landing; however, it would require the use of full flaps to make the approach. At approximately 150 feet above ground level (AGL), the student pilot applied partial power and began retracting the electric flaps. According to the flight instructor's statement, he increased the throttle to full power and slightly lowered the airplane's nose high attitude. However, the airplane continued to lose altitude and then stalled just before entering the trees. There was no fire and all three occupants were able to egress from the airplane unassisted.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The flight instructor's delayed remedial action during a simulated emergency landing, which resulted in an inadvertent stall.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: GO-AROUND (VFR)

Findings

1. EMERGENCY PROCEDURE - SIMULATED - PILOT IN COMMAND(CFI)
2. GO-AROUND - ATTEMPTED - DUAL STUDENT
3. RAISING OF FLAPS - PREMATURE - DUAL STUDENT
4. (C) REMEDIAL ACTION - DELAYED - PILOT IN COMMAND(CFI)
5. STALL/MUSH - INADVERTENT - DUAL STUDENT
6. (F) REMEDIAL ACTION - DELAYED - PILOT IN COMMAND(CFI)

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

7. OBJECT - TREE(S)

Factual Information

Flight Instructor Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	76, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 3	Last FAA Medical Exam:	10/01/2005
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	20000 hours (Total, all aircraft), 2500 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N7943G
Model/Series:	172L	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17259643
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	O-320
Registered Owner:	Faulkners Air Shop Inc	Rated Power:	
Operator:	Faulkners Air Shop Inc	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KBMQ, 1284 ft msl	Distance from Accident Site:	
Observation Time:	0853 CDT	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	190°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.09 inches Hg	Temperature/Dew Point:	28° C / 19° C
Precipitation and Obscuration:	No Precipitation		
Departure Point:	Burnett, TX (KBMQ)	Type of Flight Plan Filed:	None
Destination:	Burnet, TX (KBMQ)	Type of Clearance:	Unknown
Departure Time:	0800 CDT	Type of Airspace:	

Airport Information

Airport:	Burnet Municipal Airport (KBMQ)	Runway Surface Type:	Asphalt
Airport Elevation:	1284 ft	Runway Surface Condition:	
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	5000 ft / 75 ft	VFR Approach/Landing:	Simulated Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 Minor, 1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor, 2 None	Latitude, Longitude:	30.738889, -98.238333

Administrative Information

Investigator In Charge (IIC):	Leah D Yeager	Report Date:	10/03/2006
Additional Participating Persons:	Frank Fortmann; San Antonio, Texas		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).