



Aviation Investigation Final Report

Location:	TABERNASH, Colorado	Accident Number:	DEN84FA308
Date & Time:	August 10, 1984, 13:00 Local	Registration:	N4584A
Aircraft:	CESSNA L-19E	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General aviation		

Analysis

THE AIRPLANE DEPARTED GRANDBY 8/10/84 AND FAILED TO ARRIVE AT ITS DESTINATION. ON 8/23/87, IT WAS FOUND ON THE SLOPE OF A HIGH TREE-COVERED RIDGE. VIDEO TAPE RECOVERED FROM THE WRECKAGE PROVIDED A VISUAL AND AUDIO RECORD OF THE FLIGHT FROM TAKEOFF TO IMPACT. COMPARING THE RECORDING TO A TOPOGRAPHICAL MAP, THE FLIGHT WAS CLIMBING AND ITS ALTITUDE ABOVE THE GROUND WAS DECREASING WHEN IT CRASHED AT THE 10,200-FT LEVEL. DURING THE LAST FEW SECONDS OF THE TAPE, THE TERRAIN DOMINATED THE VIEW THROUGH THE COCKPIT WINDOW. THE PILOT MADE A 60-DEG BANK, AND THE STALL WARNING HORN COULD BE HEARD 3 TIMES DURING APRX 180 DEG OF TURN. THE AIRPLANE SUBSEQUENTLY STALLED, FLIPPED OVER, AND ENTERED THE TREES. THE DENSITY ALTITUDE WAS ABOUT 13,000 FT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: CRUISE

Findings

1. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE

2. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY
 3. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
 4. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
 5. STALL - INADVERTENT - PILOT IN COMMAND
-

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: CRUISE

Factual Information

Pilot Information

Certificate:	Private	Age:	36, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	March 9, 1984
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4584A
Model/Series:	L-19E L-19E	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	24527
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2430 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed	Engine Model/Series:	O-470-11
Registered Owner:	GERALD K. SCHUMAN	Rated Power:	213 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:	AIR TECH	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	EGE ,6539 ft msl	Distance from Accident Site:	
Observation Time:	12:50 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 7000 ft AGL	Visibility	40 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	340°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	25°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	GRANBY , CO (GNB)	Type of Flight Plan Filed:	None
Destination:	DENVER , CO (DEN)	Type of Clearance:	None
Departure Time:	13:00 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC): Scott, Arnold

Additional Participating Persons:

Original Publish Date: December 14, 1992

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=16247>

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, “accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person” (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB’s statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available [here](#).