



# Aviation Investigation Final Report

<b>Location:</b>	TABERNASH, Colorado	<b>Accident Number:</b>	DEN84FA308
<b>Date &amp; Time:</b>	August 10, 1984, 13:00 Local	<b>Registration:</b>	N4584A
<b>Aircraft:</b>	CESSNA L-19E	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	2 Fatal
<b>Flight Conducted Under:</b>	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
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: CRUISE

## Factual Information

### Pilot Information

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

### Aircraft and Owner/Operator Information

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

## Meteorological Information and Flight Plan

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

## Airport Information

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

## Wreckage and Impact Information

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

## 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.ntsb.gov/Docket?ProjectID=16247>

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