



National Transportation Safety Board Aviation Accident Final Report

Location:	PEA RIDGE, AR	Accident Number:	MKC85FA037
Date & Time:	12/20/1984, 1920 CST	Registration:	N9229Y
Aircraft:	AERO COMMANDER 690A	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 1 Serious
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

PLT WAS CLEARED FOR VOR/DME APPROACH TO ROGERS ARPT BY FAYETTEVILLE APCH CONTROL; FAYETTEVILLE ALTIMETER SETTING OF 29.85 (CONFIRMED BY RECORDED TRANSCRIPT) FURNISHED. PLT DID NOT READ BACK. DURING APCH, ACFT IMPACTED TREES 25 FT AGL AT APRX 1320 FT MSL, 3 MILES SHORT OF ARPT. INVESTIGATION SHOWED PLT'S ALTIMETER SET AT 30.14 (ALTIMETER WOULD READ 290 FT HIGHER THAN ACFT ACTUAL ALTITUDE). PLT'S RECALL WAS THAT THE 30.14 SETTING WAS FURNISHED BY APCH CONTROL. PLT FURTHER STATED LAST RECALLED ALTITUDE READING WAS 1750 FT. APCH PLATE SHOWS 1700 FT MDA WITH ROGERS ALTIMETER SETTING; INCREASE MDA BY 100 FT IF USING FAYETTEVILLE SETTING.

Probable Cause and Findings

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

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. (F) AIR/GROUND COMMUNICATIONS - INATTENTIVE - PILOT IN COMMAND
2. (F) COMPLACENCY - PILOT IN COMMAND
3. (F) ALTIMETER SETTING - INACCURATE - PILOT IN COMMAND
4. (F) IFR PROCEDURE - NOT FOLLOWED - PILOT IN COMMAND
5. (C) MINIMUM DESCENT ALTITUDE - BELOW - PILOT IN COMMAND
6. (F) TERRAIN CONDITION - HIGH VEGETATION

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	24, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
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 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	04/24/1984
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	4900 hours (Pilot In Command, all aircraft), 105 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERO COMMANDER	Registration:	N9229Y
Model/Series:	690A 690A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	11122
Landing Gear Type:	Retractable - Tricycle	Seats:	11
Date/Type of Last Inspection:	07/11/1984, AAIP	Certified Max Gross Wt.:	10250 lbs
Time Since Last Inspection:	87 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	2857 Hours	Engine Manufacturer:	GARRETT
ELT:	Installed, not activated	Engine Model/Series:	TPE3315251K
Registered Owner:	J AND D LEASING	Rated Power:	715 hp
Operator:	NORTHWEST AIR CHARTER	Operating Certificate(s) Held:	On-demand Air Taxi (135)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	FYV, 1251 ft msl	Distance from Accident Site:	25 Nautical Miles
Observation Time:	1953 CST	Direction from Accident Site:	190°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	2 Miles
Lowest Ceiling:	Overcast / 800 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	11° C / 11° C
Precipitation and Obscuration:			
Departure Point:	BATON ROUGE, LA (BTR)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	1735 CST	Type of Airspace:	

Airport Information

Airport:	FIELD MUNICIPAL-CARTER (ROG)	Runway Surface Type:	Asphalt
Airport Elevation:	1361 ft	Runway Surface Condition:	Wet
Runway Used:	19	IFR Approach:	VOR/DME
Runway Length/Width:	6000 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	EUGENE ROTH	Report Date:	
Additional Participating Persons:	JOHN CIASCA, JR.; LITTLE ROCK, AR		
Publish Date:			
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 pubinq@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](#).