



Aviation Investigation Final Report

Location:	RAINIER, Washington	Accident Number:	SEA90FA028
Date & Time:	December 7, 1989, 19:47 Local	Registration:	CFOXF
Aircraft:	CESSNA 210-5 (205)	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

DURING A WX BRIEFING, THE NON-INSTRUMENT RATED CANADIAN PLT WAS ADVISED THAT VFR FLT WAS NOT RECOMMENDED. HOWEVER, HE DEPARTED WITH A VFR FLT PLAN & RCVD VFR FLT FOLLOWING FROM ATC. WHILE CRUISING AT NIGHT AT 3000 FT MSL, HE WAS NOTIFIED THAT RADAR CONTACT WAS LOST & TO RESUME HIS OWN NAVIGATION. A FREQ CHANGE WAS APPROVED & NO THERE WAS NO FURTHER COMMUNICATION WITH THE ACFT. SUBSEQUENTLY, IT COLLIDED WITH TREES & CRASHED IN MOUNTAINOUS TERRAIN. EVIDENCE OF TREE CONTACT WAS FOUND AT AN ELEVATION OF 2800 FT. THE MAIN WRECHAGE CAME TO REST ON LOWER TERRAIN ABOUT 1500 FT BEYOND & 1000 FT BELOW THE INITIAL IMPACT POINT. ABOUT 11 MI WEST AT OLYMPIA (ELEV 206 FT), THE 1950 PST WX WAS IN PART: 3000 FT OVC, VIS 5 MI, WIND FM 200 DEG AT 20 KTS. NO PREIMPACT PART FAILURE OR MALFUNCTION WAS FOUND.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: CONTINUED FLIGHT BY THE PILOT INTO KNOWN ADVERSE WEATHER CONDITIONS, AND HIS FAILURE TO MAINTAIN SUFFICIENT ALTITUDE/CLEARANCE FROM WOODED MOUNTAINOUS TERRAIN. FACTORS RELATED TO THE ACCIDENT WERE: DARKNESS AND THE WEATHER/TERRAIN CONDITIONS.

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER

Phase of Operation: CRUISE

Findings

1. (F) LIGHT CONDITION - DARK NIGHT
2. (F) TERRAIN CONDITION - HIGH TERRAIN
3. (F) WEATHER CONDITION - LOW CEILING
4. (F) WEATHER CONDITION - FOG
5. (F) WEATHER CONDITION - RAIN
6. (C) FLIGHT INTO KNOWN ADVERSE WEATHER - CONTINUED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: CRUISE

Findings

7. OBJECT - TREE(S)
8. (C) PROPER ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Foreign; Private	Age:	23, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Unknown Valid Medical--no waivers/lim.	Last FAA Medical Exam:	July 4, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	157 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	CFOXF
Model/Series:	210-5 (205) 210-5 (205)	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	205-0355
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	September 17, 1989 Annual	Certified Max Gross Wt.:	3298 lbs
Time Since Last Inspection:	12 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	5978 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-470-D
Registered Owner:	CHARLES SLATER	Rated Power:	260 Horsepower
Operator:	THY OLDE RENT-A-PLANE CO	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument (IMC)	Condition of Light:	Night/dark
Observation Facility, Elevation:	OLM ,206 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	03:50 Local	Direction from Accident Site:	277°
Lowest Cloud Condition:	Unknown	Visibility	
Lowest Ceiling:	Overcast	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	8°C / 7°C
Precipitation and Obscuration:	N/A - None - Fog		
Departure Point:	BELLINGHAM , WA (BLI)	Type of Flight Plan Filed:	VFR
Destination:	PORTLAND , OR (PDX)	Type of Clearance:	VFR
Departure Time:	18:40 Local	Type of Airspace:	Class G

Airport Information

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

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	46.869045,-122.659545(est)

Administrative Information

Investigator In Charge (IIC):	Eckrote, Debra
Additional Participating Persons:	RON KARR; SEATTLE , WA GARY SHOEMAKER; WICHITA , KS R S BOYLE; DENVER , CO
Original Publish Date:	July 29, 1992
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=41095

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