



Aviation Investigation Final Report

Location:	WATKINS, Colorado	Accident Number:	DEN93LA055
Date & Time:	May 11, 1993, 17:05 Local	Registration:	N7198Y
Aircraft:	PIPER PA-30	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE INSTRUCTOR PILOT SAID THE AIRPLANE TOUCHED DOWN 3 TO 5 DEGREES NOSE RIGHT OF THE RUNWAY CENTERLINE, AND HE TOLD THE INSTRUCTOR TRAINEE TO APPLY LEFT RUDDER. THE RUDDER PEDAL DID NOT MOVE. THE INSTRUCTOR PILOT ALSO APPLIED LEFT RUDDER AND GOT THE SAME RESULT. AS THE AIRPLANE STARTED TO GO OFF THE SIDE OF THE RUNWAY, THE INSTRUCTOR PILOT APPLIED FULL POWER. THE AIRPLANE BECAME AIRBORNE FOR APPROXIMATELY 1,000 FT, THEN BEGAN TO STALL AND ROLL. TO AVOID STRIKING THE GROUND IN A BANKED ATTITUDE, THE INSTRUCTOR PILOT RETARDED THE THROTTLES AND LEVELLED THE WINGS. THE RIGHT WING STRUCK THE AIRPORT'S SEGMENTED CIRCLE, SPUN TO THE RIGHT, AND SKIDDED TO A HALT. POST ACCIDENT EXAMINATION OF THE RUDDER CONTROL SYSTEM DID NOT DISCLOSE ANY MALFUNCTION OR FAILURE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE STUDENT'S FAILURE TO MAINTAIN PROPER TOUCHDOWN ALIGNMENT, AND THE INSTRUCTOR PILOT'S INADEQUATE SUPERVISION.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) PROPER ALIGNMENT - NOT MAINTAINED - DUAL STUDENT
2. (C) REMEDIAL ACTION - INADEQUATE - DUAL STUDENT
3. (C) SUPERVISION - INADEQUATE - PILOT IN COMMAND(CFI)
4. ABORTED LANDING - PERFORMED - PILOT IN COMMAND(CFI)

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: LANDING - ABORTED

Findings

5. STALL - INADVERTENT - PILOT IN COMMAND(CFI)

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: LANDING - ABORTED

Findings

6. OBJECT - AIRPORT FACILITY

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	25, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	August 26, 1992
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	1460 hours (Total, all aircraft), 95 hours (Total, this make and model), 1400 hours (Pilot In Command, all aircraft), 160 hours (Last 90 days, all aircraft), 68 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N7198Y
Model/Series:	PA-30 PA-30	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	30-222
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	March 5, 1993 Annual	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:	75 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	4118 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-320-B1A
Registered Owner:	GBN AVIATION	Rated Power:	160 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:	MULTI TIME AVIATION, INC.	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown / 6000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 6000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	AURORA , CO (01V)	Type of Flight Plan Filed:	None
Destination:	(FTG)	Type of Clearance:	None
Departure Time:	16:20 Local	Type of Airspace:	Class G

Airport Information

Airport:	FRONT RANGE FTG	Runway Surface Type:	Asphalt
Airport Elevation:	5512 ft msl	Runway Surface Condition:	Dry
Runway Used:	26	IFR Approach:	
Runway Length/Width:	8000 ft / 100 ft	VFR Approach/Landing:	Touch and go

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Destroyed
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	39.750438,-104.600555(est)

Administrative Information

Investigator In Charge (IIC): Scott, Arnold

Additional Participating Persons: ROBERT BUNDERSON; DENVER , CO

Original Publish Date: February 18, 1994

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.ntsb.gov/Docket?ProjectID=18285>

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