

# **Aviation Investigation Final Report**

Location:	SAN MARCOS, Texa	s	Accident Number:	FTW87LA192
Date & Time:	August 8, 1987, 16:1	5 Local	Registration:	N401P
Aircraft:	CESSNA	170A	Aircraft Damage:	Substantial
Defining Event:			Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional			

### **Analysis**

THE STUDENT PILOT LOST DIRECTIONAL CONTROL WHEN THE TAIL WHEEL CAME OFF THE RUNWAY. THE INSTRUCTOR PILOT STATED THAT HE WAS LATE WITH CORRECTIVE ACTION AND THE AIRCRAFT GROUND LOOPED OFF THE RUNWAY.

## **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 - ON GROUND/WATER Phase of Operation: TAKEOFF - ROLL/RUN

Findings

- 1. (C) DIRECTIONAL CONTROL NOT MAINTAINED DUAL STUDENT
- 2. (C) SUPERVISION INADEQUATE PILOT IN COMMAND(CFI)

## **Factual Information**

#### **Pilot Information**

Certificate:	Commercial; Flight instructor	Age:	47,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medicalno waivers/lim.	Last FAA Medical Exam:	September 5, 1986
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	842 hours (Total, all aircraft), 10 hours (Total, this make and model), 740 hours (Pilot In Command, all aircraft), 102 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

#### Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N401P
Model/Series:	170A 170A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	20023
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	August 1, 1987 Annual	Certified Max Gross Wt.:	2050 lbs
Time Since Last Inspection:	10 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3006 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	C-145
Registered Owner:	W. R. GEORGE & C. J. REINHART	Rated Power:	145 Horsepower
Operator:		Operating Certificate(s) Held:	
Operator Does Business As:		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:	Scattered / 4500 ft AGL	Visibility	15 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots / 10 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	35°C
Precipitation and Obscuration:	No Obscuration; No Precipita	ation	
Departure Point:	(T98)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	16:15 Local	Type of Airspace:	Class G

## **Airport Information**

Airport:	SAN MARCOS MUNICIPAL T98	Runway Surface Type:	Asphalt
Airport Elevation:	594 ft msl	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	5442 ft / 150 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

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

#### **Administrative Information**

Investigator In Charge (IIC):	Edwards, Armond
Additional Participating Persons:	CHARLES R GREINKE; SAN ANTONTIO , TX
Original Publish Date:	June 16, 1989
Last Revision Date:	
Investigation Class:	<u>Class</u>
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=22414

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 <u>here</u>.