



National Transportation Safety Board Aviation Accident Final Report

Location:	JEKYLL ISLAND, GA	Accident Number:	ATL83LA149
Date & Time:	04/01/1983, 1030 EST	Registration:	CGYCY
Aircraft:	CESSNA 172N	Aircraft Damage:	Substantial
Defining Event:		Injuries:	3 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

THE INSTRUCTOR, A CANADIAN CFI, REPORTED THAT THE CANADIAN STUDENT WAS OPERATING THE RUDDER PEDDLES WHILE HE, THE CFI, WAS HANDLING THE REMAINING ACFT CONTROLS. A SECOND STUDENT PLT WAS ALSO ON BOARD, OBSERVING FROM A REAR SEAT. AFTER TRAVELING APRX 800 FT ON THE TAKEOFF ROLL, THE ACFT BEGAN TO DEVIATE TO THE LEFT. THE STUDENT INADVERTENTLY APPLIED LEFT RUDDER. THE CFI STATED THAT HE WAS UNABLE TO APPLY RIGHT RUDDER IN SUFFICIENT TIME TO AVOID STRIKING TREES APRX 200 FT LEFT OF THE RWY. AFTER DEPARTING THE RUNWAY, THE ACFT ENCOUNTERED ROUGH TERRAIN, WHICH CAUSED THE PLANE TO BOUNCE WHILE THE CFI WAS ATTEMPTING TO STEER BACK TO THE RIGHT. THE CFI ATTEMPTED TO BECOME AIRBORNE, BUT WAS UNABLE TO OBTAIN SUFFICIENT AIRSPEED. HE THEN PULLED THE POWER OFF TO IDLE BEFORE THE ACFT CONTACTED THE TREES.

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) RUDDER - IMPROPER USE OF - DUAL STUDENT
2. (F) LACK OF FAMILIARITY WITH AIRCRAFT - DUAL STUDENT
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - DUAL STUDENT
4. (C) GROUND LOOP/SWERVE - INADVERTENT - DUAL STUDENT
5. (C) SUPERVISION - INADEQUATE - PILOT IN COMMAND(CFI)

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

6. (F) TERRAIN CONDITION - ROUGH/UNEVEN
7. (F) OBJECT - TREE(S)

Factual Information

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	21, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	03/07/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	245 hours (Total, all aircraft), 156 hours (Total, this make and model), 156 hours (Pilot In Command, all aircraft), 142 hours (Last 90 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	CGYCY
Model/Series:	172N 172N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17267650
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	03/02/1983, Unknown	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	54 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3638 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated	Engine Model/Series:	O-320-H2AD
Registered Owner:	CARIER AVIATION, LTD.	Rated Power:	160 hp
Operator:	CARIER AVIATION, LTD.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	10°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	18° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1030 EST	Type of Airspace:	Class G

Airport Information

Airport:	JEKYLL ISLAND (09J)	Runway Surface Type:	Asphalt
Airport Elevation:	12 ft	Runway Surface Condition:	Dry
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	3700 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ELINOR WARE	Report Date:	
Additional Participating Persons:			
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](#).