



Aviation Investigation Final Report

Location:	PITTSBURGH, Pennsylvania	Accident Number:	NYC89LA149
Date & Time:	June 13, 1989, 20:30 Local	Registration:	N3420Y
Aircraft:	CESSNA 180	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE PILOT HAD JUST COMPLETED A ILS APPROACH AND LANDED AT ALLEGHENY COUNTY AIRPORT. HE TRIED TO TURN OFF THE RUNWAY AT THE FIRST TAXIWAY AND LOST CONTROL OF THE AIRCRAFT. THE PILOT APPLIED EXCESSIVE BRAKING WITH THE TAIL OF THE AIRCRAFT STILL IN THE AIR AND THE AIRCRAFT FLIPPED OVER ON ITS BACK.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: LOSS OF CONTROL DURING LANDING ROLLOUT DUE TO EXCESSIVE APPLICATION OF BRAKES BY THE PILOT.

Findings

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

Findings

1. (F) AIRCRAFT CONTROL - NOT MAINTAINED - DUAL STUDENT
 2. (C) BRAKES(NORMAL) - IMPROPER USE OF - DUAL STUDENT
 3. (C) GROUND LOOP/SWERVE - EXCESSIVE - DUAL STUDENT
 4. (C) SUPERVISION - INADEQUATE - PILOT IN COMMAND(CFI)
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Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	36, Female
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
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 2 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	July 22, 1988
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	2000 hours (Total, all aircraft), 40 hours (Total, this make and model), 1890 hours (Pilot In Command, all aircraft), 210 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N3420Y
Model/Series:	180 180	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18051920
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:	0 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	O-470R
Registered Owner:	NELLIE A CALDWELL	Rated Power:	230 Horsepower
Operator:	NELLIE CALDWELL	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dusk
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 1600 ft AGL	Visibility	6 miles
Lowest Ceiling:	Broken / 2200 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	22°C / 18°C
Precipitation and Obscuration:	N/A - None - Haze		
Departure Point:	PITTSBURGH , PA (AGC)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	19:30 Local	Type of Airspace:	

Airport Information

Airport:	ALLEGHENY CO. AGC	Runway Surface Type:	Concrete
Airport Elevation:	1252 ft msl	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	
Runway Length/Width:	6500 ft / 150 ft	VFR Approach/Landing:	

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:	40.36013,-79.899055(est)

Administrative Information

Investigator In Charge (IIC):	Densley, Reuben
Additional Participating Persons:	CHARLES RUGGIERO; WEST MIFFLIN , PA
Original Publish Date:	March 29, 1991
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=36423

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