



Aviation Investigation Final Report

Location:	BIRMINGHAM, Alabama	Accident Number:	ATL87LA143
Date & Time:	May 19, 1987, 06:25 Local	Registration:	N753D
Aircraft:	BEECH B100	Aircraft Damage:	Minor
Defining Event:		Injuries:	1 Fatal, 1 None
Flight Conducted Under:	Part 91: General aviation - Positioning		

Analysis

THE LINEMAN WALKED INTO THE PROP ARC OF THE OPERATING RT ENGINE AND WAS FATALLY INJURED AFTER DISCONNECTING A GROUND POWER UNIT (GPU) CABLE FROM THE RT ENGINE NACELLE. THE LINEMAN INITIALLY APPROACHED THE NACELLE FROM THE REAR, BUT WALKED FORWARD INTO THE PROP ARC AFTER DISCONNECT. THE FBO'S REPORTED NORMAL PROCEDURE FOR GPU DISCONNECT OPS ON THIS ACFT DIRECTED PERSONNEL TO APPROACH AND DEPART THE NACELLE AREA FROM THE REAR. THE PLT REPORTED THAT THE LINEMAN HAD PERFORMED GPU DISCONNECT PROCEDURES ON THIS ACFT WITHOUT ANY PROBLEM ON SEVERAL PREVIOUS OCCASIONS. TOXICOLOGICAL ANALYSIS WAS PERFORMED ON BLOOD AND URINE SAMPLES FROM THE LINEMAN: A LEVEL OF GREATER THAN 50 NG/ML CARBOXY THC WAS REPORTED TO EXIST IN THE URINE SAMPLE. THE REPORT NOTED THAT LEVELS OF GREATER THAN 50 NG/ML CARBOXY THC ARE 'TYPICALLY ASSOCIATED WITH VERY RECENT USE' (OF MARIJUANA). ADDITIONALLY, COCAINE AND MARIJUANA METABOLITES WERE DETECTED IN THE LINEMAN'S BLOOD SAMPLE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: PROPELLER/ROTOR CONTACT TO PERSON
Phase of Operation: STANDING - ENGINE(S) OPERATING

Findings

1. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - GROUND PERSONNEL
2. (F) IMPAIRMENT(DRUGS) - GROUND PERSONNEL
3. (F) INATTENTIVE - GROUND PERSONNEL

Factual Information

Pilot Information

Certificate:	Airline transport; Commercial; Flight instructor	Age:	48, 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:	No
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	December 2, 1986
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	15669 hours (Total, all aircraft), 227 hours (Total, this make and model), 15469 hours (Pilot In Command, all aircraft), 163 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N753D
Model/Series:	B100 B100	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	BE-98
Landing Gear Type:	Retractable - Tricycle	Seats:	11
Date/Type of Last Inspection:	April 30, 1987 Unknown	Certified Max Gross Wt.:	10600 lbs
Time Since Last Inspection:		Engines:	2 Turbo prop
Airframe Total Time:	1735 Hrs	Engine Manufacturer:	AIRESEARCH
ELT:	Installed, not activated	Engine Model/Series:	TPE331-6-252B
Registered Owner:	B100 CORPORATION	Rated Power:	715 Horsepower
Operator:	JETCO, INC.	Operating Certificate(s) Held:	On-demand air taxi (135)
Operator Does Business As:		Operator Designator Code:	JETA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument (IMC)	Condition of Light:	Dawn
Observation Facility, Elevation:	BHM ,644 ft msl	Distance from Accident Site:	
Observation Time:	06:55 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Unknown	Visibility	2 miles
Lowest Ceiling:	Overcast / 500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	21°C / 21°C
Precipitation and Obscuration:	N/A - None - Fog		
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	MOBILE , AL (MOB)	Type of Clearance:	IFR
Departure Time:	00:00 Local	Type of Airspace:	Class D;Class E

Airport Information

Airport:	BIRMINGHAM MUNICIPAL BHM	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Minor
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	1 Fatal	Aircraft Explosion:	None
Total Injuries:	1 Fatal, 1 None	Latitude, Longitude:	33.610393,-86.759498(est)

Administrative Information

Investigator In Charge (IIC):	Strickland, Scott
Additional Participating Persons:	HARLEY PICKETT; BIRMINGHAM , AL JOHN HARDY; BIRMINGHAM , AL
Original Publish Date:	May 27, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=7430

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