

		NTSB ID: ATL01LA046		Aircraft Registration Number: N58JM	
		Occurrence Date: 04/02/2001		Most Critical Injury: Fatal	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place SMITHFIELD	State NC	Zip Code 27577	Local Time 1740	Time Zone EDT	
Airport Proximity: On Airport/Airstrip		Distance From Landing Facility: 0.05			
Aircraft Information Summary					
Aircraft Manufacturer JACQUES J. MISTROT		Model/Series Skybolt		Type of Aircraft Airplane	
Revenue Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>*** Note: NTSB investigators may have traveled in support of this investigation and used data provided by various sources to prepare this aircraft accident report. ***</p> <p>On April 2, 2001, at 1740 eastern daylight time, a Jacques J. Mistrot, Skybolt, N58JM, an experimental airplane, collided with the ground shortly after liftoff from runway 03 at the Johnston County Airport in Smithfield, North Carolina. The initial test flight was operated by the pilot for the owner under the provisions of Title 14 CFR Part 91 with no flight plan filed. Visual weather conditions prevailed at the time of the accident. The pilot was fatally injured, and the airplane sustained substantial damage. The test flight departed Smithfield, North Carolina, at 1739.</p> <p>Reportedly, this was the first flight of the experimental airplane. According to the operator, the engine had been running continuously during 3 separate 45 minute taxi sessions. During each check the engine ran smoothly with an rpm varying from 800-2375. The operator stated, "immediately prior to the first flight on the afternoon of April 2, 2001, the pilot and myself accomplished a complete preflight and walk-around inspection. During the inspection all control surfaces were carefully examined for range and proper attachment. The engine compartment, including oil and fuel quantities, were carefully checked."</p> <p>According to witnesses at the airport, the takeoff roll and initial climb appeared normal. As the airplane continued the climb through 200 feet, it was observed entering a left turn until the airplane developed a nose low attitude. The airplane collided with trees on the right side of the runway.</p> <p>The pilot held an airline transport pilot certificate and was a certified flight instructor. His total flight time was 25,000 hours, and the approximate flight time in the Skybolt 10 hours. The pilot held a current second-class medical certificate, dated December 8, 2000. The pilot had a prosthetic leg.</p> <p>Examination of the airplane revealed no evidence of mechanical malfunctions or component failures. The pilot did not report any mechanical malfunctions.</p> <p>Postmortem examination and the forensic toxicology of the pilot was performed by Dr. Chancellor at the office of State Medical Examiner in Chapel Hill, North Carolina, on April 3, 2001. The toxicology examinations were negative for alcohol. Atropine and Lidocaine were detected in the blood and liver. These drugs are commonly used during resuscitation. According to the operator, there was attempted on site resuscitation.</p>					
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 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: ATL01LA046			
		Occurrence Date: 04/02/2001			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
JOHNSTON COUNTY	JNX	165 Ft. MSL	03	5500	100
Runway Surface Type: Asphalt					
Runway Surface Condition: Dry					
Approach/Arrival Flown: NONE					
VFR Approach/Landing: None					
<b>Aircraft Information</b>					
Aircraft Manufacturer		Model/Series		Serial Number	
JACQUES J. MISTROT		Skybolt		MISTROT-01	
Airworthiness Certificate(s): Experimental (Special)					
Landing Gear Type: Tailwheel					
Amateur Built Acft? Yes	Number of Seats: 2	Certified Max Gross Wt.	1900 LBS	Number of Engines: 1	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Reciprocating	Lycoming	IO-540/C4B5	260 HP		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Annual	03/2001	0 Hours	0 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?/Type Yes /	ELT Operated? Yes	ELT Aided in Locating Accident Site? No			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner		Street Address			
JACQUES J. MISTROT		3008 Randolph Drive			
		City	State	Zip Code	
		Raleigh	NC	27609	
Operator of Aircraft		Street Address			
		3008 Randolph Drive			
		City	State	Zip Code	
		Raleigh	NC	27609	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Flight Test					

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: ATL01LA046
	Occurrence Date: 04/02/2001
	Occurrence Type: Accident

**First Pilot Information**

Name On File	City On File	State On File	Date of Birth On File	Age 66
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Sex: M	Seat Occupied: Center	Occupational Pilot? Unknown	Certificate Number: On File
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Certificate(s): Airline Transport; Flight Instructor

Airplane Rating(s): Multi-engine Land; Single-engine Land

Rotorcraft/Glider/LTA: Glider; Helicopter

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Instrument Airplane

Current Biennial Flight Review?

Medical Cert.: Class 2	Medical Cert. Status:	Date of Last Medical Exam: 12/2000
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	25000	10								
Pilot In Command(PIC)										
Instructor										
Instruction Received										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? Yes	Second Pilot? No
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**Flight Plan/Itinerary**

Type of Flight Plan Filed: None

Departure Point Same as Accident/Incident Location	State	Airport Identifier JNX	Departure Time 1800	Time Zone EDT
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance:

Type of Airspace:

**Weather Information**

UAT C/S Source of Wx Information:

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: ATL01LA046
	Occurrence Date: 04/02/2001
	Occurrence Type: Accident

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation  Ft. MSL	WOF Distance From Accident Site  NM	Direction From Accident Site  Deg. Mag.
Sky/Lowest Cloud Condition: Clear			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None		Ft. AGL	Visibility: 10	SM	Altimeter: 30.08 "Hg
Temperature: 17 °C	Dew Point: -3 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 290	Wind Speed: 7	Wind Gusts:			
Visibility (RVR): Ft.	Visibility (RVV): SM				
Precip and/or Obscuration:					

Accident Information		
Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot	1				1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -	1				1
Other Ground	0	0	0		0
- GRAND TOTAL -	1	0	0		1

National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



NTSB ID: ATL01LA046

Occurrence Date: 04/02/2001

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

PHILLIP POWELL

Additional Persons Participating in This Accident/Incident Investigation:

Duane R Burns  
FAA-- FSDO-05  
Greensboro, NC