



National Transportation Safety Board Aviation Accident Final Report

Location:	PADUCAH, KY	Accident Number:	ATL87DLQ01
Date & Time:	02/01/1987, 1100 CST	Registration:	N2562
Aircraft:	AIR COMMAND CDR ELITE 532	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

WHILE CONDUCTING LOCAL TRAFFIC PATTERN TRAINING, THE GYROPLANE UNDERSHOT RUNWAY 22 DURING AN ATTEMPTED LANDING. THE PLT WAS KILLED IN THE CRASH. THE INVESTIGATION FAILED TO DISCLOSE ANY AIRCRAFT PROBLEMS. THE AUTOPSY REVEALED SEVERE CORONARY ARTERISCLEROSIS WITH FOCAL COMPLETE OCCLUSION OF THE LEFT ANTERIOR DESCENDING ARTERY, 75% NARROWING OF THE RIGHT CORONARY ARTERY, 50% NARROWING OF THE LEFT CIRCUMFLEX CORONARY ARTERY, AND INTRAMYOCARDIAL INTERSTITIAL FIBROSIS WITH SCATTERED HEALED MICROINFARCTS. THE PATHOLOGIST CONSIDERED CARDIAC ARRHYTHMIA, IMMEDIATELY PRIOR TO THE CRASH, TO BE HIGHLY PROBABLE. THE PLT HAD CORONARY BYPASS SURGERY IN 1983. HIS APPLICATION FOR A MEDICAL CERTIFICATE WAS DENIED 9/16/84. THE PILOT'S CERTIFICATE AND MEDICAL FOUND AFTER THE ACCIDENT WERE FORGERIES ACCORDING TO THE FAA.

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 - IN FLIGHT

Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) INCAPACITATION(OTHER CARDIOVASCULAR) - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	None	Age:	49, Male
Airplane Rating(s):	None	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/23/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	5 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	AIR COMMAND	Registration:	N2562
Model/Series:	CDR ELITE 532 CDR ELITE	Aircraft Category:	Gyroplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Experimental	Serial Number:	
Landing Gear Type:	Tricycle	Seats:	1
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1050 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	10 Hours	Engine Manufacturer:	ROTAX
ELT:	Not installed	Engine Model/Series:	360
Registered Owner:	WALTER C SAMUELS	Rated Power:	38 hp
Operator:	WALTER C.SAMUELS	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PAH, 410 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	1652 Z	Direction from Accident Site:	290°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	12 Miles
Lowest Ceiling:	Overcast / 900 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	9° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	Class G

Airport Information

Airport:	FARRINGTON AIRPARK (KY29)	Runway Surface Type:	Asphalt
Airport Elevation:	338 ft	Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	5000 ft / 50 ft	VFR Approach/Landing:	Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	RICHARD E KELLY, JR.	Report Date:	05/19/1989
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](#).