



National Transportation Safety Board Aviation Accident Final Report

Location:	ALICIA, AR	Accident Number:	MKC90DPG02
Date & Time:	06/01/1990, 1015 CDT	Registration:	N8940Q
Aircraft:	Aero Commander S-2R	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 137: Agricultural		

Analysis

ACCORDING TO THE FLAGMAN FOR THE AERIAL APPLICATOR THE PILOT HAD COMPLETED HIS FIRST SWATH RUN AND INITIALLY PULLED UP AND TURNED RIGHT. HE THEN REVERSED HIS TURN TO THE LEFT IN ORDER TO ALIGN THE AIRPLANE FOR THE SECOND PASS. THE FLAGMAN OBSERVED THE AIRPLANE TO BE STILL IN THE LEFT TURN NEARING THE SWATH RUN HEADING WHEN THE RIGHT WING SEEMED TO GET TOO HIGH. HE STATED 'HIS RIGHT WING JUST SEEMED TO KEEP COMING OVER TILL HE WAS 3/4 COCKED AND GOING STRAIGHT DOWN TO THE GROUND.' AFTER CONTACTING WIRES THE AIRPLANE COLLIDED WITH THE GROUND IN A RESIDENTIAL STREET AND WAS INVOLVED IN AN INTENSE POST CRASH FIRE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTIAN AIRSPEED DURING THE TURN TO REVERSE DIRECTION FOR A SWATH RUN.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: MANEUVERING - TURN TO REVERSE DIRECTION

Findings

1. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND
2. STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Commercial	Age:	38, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 2 Invalid Medical for flight	Last FAA Medical Exam:	05/04/1989
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	4000 hours (Total, all aircraft), 400 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Aero Commander	Registration:	N8940Q
Model/Series:	S-2R S-2R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	2361R
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	03/10/1990, Annual	Certified Max Gross Wt.:	6000 lbs
Time Since Last Inspection:	150 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3580 Hours	Engine Manufacturer:	P&W
ELT:	Not installed	Engine Model/Series:	R-1340-AN1
Registered Owner:	NICK N VACCARI	Rated Power:	600 hp
Operator:	TERRY ROBINETT	Operating Certificate(s) Held:	
Operator Does Business As:	WALNUT RIDGE FLYING SERV.INC.	Operator Designator Code:	ZHQG

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	JBR, 262 ft msl	Distance from Accident Site:	21 Nautical Miles
Observation Time:	0950 CDT	Direction from Accident Site:	280°
Lowest Cloud Condition:	Scattered / 2000 ft agl	Visibility	7 Miles
Lowest Ceiling:	Broken / 4000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	24° C / 20° 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:	WALNUT RIDGE (ARG)	Runway Surface Type:	
Airport Elevation:	0 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	EARL D NEWBERRY	Report Date:	10/02/1992
Additional Participating Persons:	EARL D NEWBERRY; LITTLE ROCK, AR		
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](#).