



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	HANNA CITY, IL	<b>Accident Number:</b>	CHI87FA040
<b>Date &amp; Time:</b>	12/02/1986, 0349 CST	<b>Registration:</b>	N9210M
<b>Aircraft:</b>	MOONEY M20E	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	4 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

THE AIRCRAFT STRUCK POWER LINES AND CRASHED TWO MILES FROM THE END OF THE RUNWAY ON FINAL APPROACH GROUND TRACK AFTER BEING CLEARED FOR AN ILS APPROACH. THE ACCIDENT OCCURRED AT THE END OF A THREE LEG CROSS-COUNTRY FLIGHT FROM THE BAHAMAS WHICH BEGAN APRX 8 1/2 HOURS BEFORE THE ACCIDENT. MUCH OF THE FLYING TIME DURING THIS TRIP WAS IN IFR CONDITIONS. THE PILOT WAS VERY FAMILIAR WITH THE LOCAL AREA AND HAD FLOWN THE ILS APPROACH IN QUESTION MANY TIMES.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

### Findings

1. (F) OBJECT - WIRE, TRANSMISSION
2. (C) PROPER GLIDEPATH - NOT MAINTAINED - PILOT IN COMMAND
3. (F) FATIGUE (FLIGHT AND GROUND SCHEDULE) - PILOT IN COMMAND
4. (C) PROPER DESCENT RATE - NOT MAINTAINED - PILOT IN COMMAND

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Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: DESCENT - UNCONTROLLED

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	34, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	07/24/1985
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	889 hours (Total, all aircraft), 20 hours (Total, this make and model), 789 hours (Pilot In Command, all aircraft), 58 hours (Last 90 days, all aircraft), 27 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MOONEY	<b>Registration:</b>	N9210M
<b>Model/Series:</b>	M20E M20E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	1175
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	03/01/1986, Annual	<b>Certified Max Gross Wt.:</b>	2575 lbs
<b>Time Since Last Inspection:</b>	180 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	5766 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, aided in locating accident	<b>Engine Model/Series:</b>	IO-360-A1A
<b>Registered Owner:</b>	PEGASUS AERO ASSOC., INC.	<b>Rated Power:</b>	200 hp
<b>Operator:</b>	PEGASUS AERO ASSOC., INC.	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	PIA, 660 ft msl	Distance from Accident Site:	2 Nautical Miles
Observation Time:	0459 CST	Direction from Accident Site:	126°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	Obscured / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	3°C / 3°C
Precipitation and Obscuration:			
Departure Point:	NASHVILLE, TN (BNA)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	0134 CST	Type of Airspace:	Class D

## Airport Information

Airport:	GREATER PEORIA AIRPORT (PIA)	Runway Surface Type:	Asphalt
Airport Elevation:	660 ft	Runway Surface Condition:	Wet
Runway Used:	31	IFR Approach:	ILS
Runway Length/Width:	8000 ft / 150 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	3 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 Fatal	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	ROBERT P BENZON	Report Date:	02/03/1988
Additional Participating Persons:	L DUNHAM; SPRINGFIELD, IL P SCHEERER; SPRINGFIELD, IL G CHANEY; DES PLAINES, IL		
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 <a href="mailto:pubinquiry@ntsb.gov">pubinquiry@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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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](#).