



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	HELENA, MT	<b>Accident Number:</b>	DEN84LA034
<b>Date &amp; Time:</b>	12/01/1983, 2230 MST	<b>Registration:</b>	N4818D
<b>Aircraft:</b>	CESSNA 172N	<b>Injuries:</b>	1 Serious, 1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

THE ACFT PROPELLER STRUCK A PASSENGER WHO WAS ATTEMPTING TO SWEEP SNOW OFF THE ACFT. THE PLT'S AND PASSENGER'S VERSION OF MISHAP VARY. THE PLT STATED HE INSTRUCTED THE PASSENGER TO STAY AWAY FROM THE ACFT. THE PASSENGER STATED THE PLT TOLD HIM TO SWEEP THE SNOW OFF THE ACFT AND THAT THE NEXT THING HE REMEMBERS 'IS HOLDING MY ARM AFTER IT HAD BEEN HIT.'

## Probable Cause

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) PASSENGER BRIEFING - INADEQUATE - PILOT IN COMMAND

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	55
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>		<b>Instructor Rating(s):</b>	
<b>Flight Time:</b>	395 hours (Total, all aircraft), 170 hours (Total, this make and model), 281 hours (Pilot In Command, all aircraft), 19 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N4818D
<b>Model/Series:</b>	172N 172N	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	MARATHON AVIATION COMPANY	<b>Engine Manufacturer:</b>	LYCOMING
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-320-H2AD
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Night/Dark
<b>Observation Facility, Elevation:</b>	HLN, 3873 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	5 knots / , 350°
<b>Temperature:</b>	-16° C	<b>Visibility</b>	15 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	BUTTE, MT (BTM)	<b>Destination:</b>	

## Airport Information

<b>Airport:</b>	HELENA (HLN)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	0	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>			

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Minor
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	1 Serious	<b>Aircraft Explosion:</b>	None

Latitude, Longitude:

## Administrative Information

<b>Investigator In Charge (IIC):</b>	ARNOLD W SCOTT	<b>Adopted Date:</b>	
<b>Investigation Docket:</b>	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:pubinq@ntsb.gov">pubinq@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.