



# Aviation Investigation Final Report

<b>Location:</b>	JOLIET, Illinois	<b>Accident Number:</b>	CHI91LA043
<b>Date &amp; Time:</b>	December 8, 1990, 13:20 Local	<b>Registration:</b>	N48779
<b>Aircraft:</b>	CESSNA 152	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

NEAR JOLIET, IL, A CESSNA 152 (N48779) WAS CRUISING ON A SOUTH-SOUTHWESTERLY HEADING AT 3000' MSL AT THE SAME TIME THAT A GRUMMAN AMERICAN AA-5A (N26686) WAS CRUISING ON AN EASTERLY HEADING AT THE SAME ALTITUDE. THE 2 AIRCRAFT CONVERGED AND THE RIGHT WING OF THE AA-5A COLLIDED WITH THE VERTICAL STABILIZER OF THE CESSNA. THOUGH BOTH AIRCRAFT WERE DAMAGED, BOTH CONTINUED FLYING AND WERE LANDED FROM PRECAUTIONARY APPROACHES. THE CESSNA PILOT SAID THAT HE DID NOT SEE THE OTHER AIRCRAFT EITHER BEFORE OR AFTER THE COLLISION. HE SAID THE SUN WAS QUITE BRIGHT AND WAS FAIRLY LOW AT THAT TIME OF THE YEAR. THE AA-5A PILOT SAW THE CESSNA MOMENTS BEFORE IMPACT AND TRIED TO AVOID A COLLISION BY MANEUVERING HIS AIRCRAFT, BUT THERE WAS INSUFFICIENT TIME.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: INADEQUATE VISUAL LOOKOUT BY THE PILOTS OF BOTH AIRCRAFT, WHICH RESULTED IN THEIR FAILURE TO SEE-AND-AVOID EACH OTHER'S AIRCRAFT.

## Findings

Occurrence #1: MIDAIR COLLISION  
Phase of Operation: CRUISE - NORMAL

#### Findings

1. LIGHT CONDITION - SUNGLARE
2. (C) VISUAL LOOKOUT - INADEQUATE - PILOT IN COMMAND
3. (C) VISUAL LOOKOUT - INADEQUATE - PILOT OF OTHER AIRCRAFT
4. PRECAUTIONARY LANDING - PERFORMED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	72, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	March 8, 1990
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	914 hours (Total, all aircraft), 860 hours (Total, this make and model), 10 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N48779
<b>Model/Series:</b>	152 152	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	15280963
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	1670 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-235-L2C
<b>Registered Owner:</b>	ROBERT G. WILLIAM J. BRYAN	<b>Rated Power:</b>	110 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	-18°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	FRANKFORT , IL (C18 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	MORRIS , IL (C09 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	Precautionary landing

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	41.519084,-88.120208(est)

## Administrative Information

**Investigator In Charge (IIC):** Gattolin, Frank

**Additional Participating Persons:**

**Original Publish Date:** May 3, 1993

**Last Revision Date:**

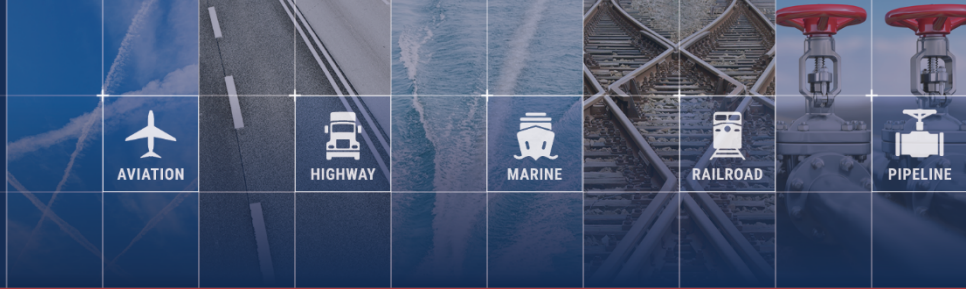
**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=14966>

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, “accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person” (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB’s statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available [here](#).



# Aviation Investigation Final Report

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<b>Date &amp; Time:</b>	December 8, 1990, 13:20 Local	<b>Registration:</b>	N26686
<b>Aircraft:</b>	GRUMMAN AMERICAN AA-5A	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

NEAR JOLIET, IL, A CESSNA 152 (N48779) WAS CRUISING ON A SOUTH-SOUTHWESTERLY HEADING AT 3000' MSL AT THE SAME TIME THAT A GRUMMAN AMERICAN AA-5A (N26686) WAS CRUISING ON AN EASTERLY HEADING AT THE SAME ALTITUDE. THE 2 AIRCRAFT CONVERGED AND THE RIGHT WING OF THE AA-5A COLLIDED WITH THE VERTICAL STABILIZER OF THE CESSNA. THOUGH BOTH AIRCRAFT WERE DAMAGED, BOTH CONTINUED FLYING AND WERE LANDED FROM PRECAUTIONARY APPROACHES. THE CESSNA PILOT SAID THAT HE DID NOT SEE THE OTHER AIRCRAFT EITHER BEFORE OR AFTER THE COLLISION. HE SAID THE SUN WAS QUITE BRIGHT AND WAS FAIRLY LOW AT THAT TIME OF THE YEAR. THE AA-5A PILOT SAW THE CESSNA MOMENTS BEFORE IMPACT AND TRIED TO AVOID A COLLISION BY MANEUVERING HIS AIRCRAFT, BUT THERE WAS INSUFFICIENT TIME.

## Probable Cause and Findings

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### Findings

Occurrence #1: MIDAIR COLLISION  
Phase of Operation: CRUISE - NORMAL

#### Findings

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## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	37, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	October 11, 1989
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	121 hours (Total, all aircraft), 112 hours (Total, this make and model), 44 hours (Last 90 days, all aircraft), 23 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	GRUMMAN AMERICAN	<b>Registration:</b>	N26686
<b>Model/Series:</b>	AA-5A AA-5A	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	AA5A-0646
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2200 lbs
<b>Time Since Last Inspection:</b>	0 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320-E2Z
<b>Registered Owner:</b>	LAWRENCE J. WAGNER	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	



## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	-18°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	ROMEOVILLE , IL (LOT )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	DELEVAN , WI (C59 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	Precautionary landing

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