



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	DRAYTON PLAINES, MI	<b>Accident Number:</b>	CHI86FA094B
<b>Date &amp; Time:</b>	03/01/1986, 1612 EST	<b>Registration:</b>	N48003
<b>Aircraft:</b>	CESSNA 172M	<b>Injuries:</b>	1 Fatal, 1 Serious
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

AFTER A HOME BUILT DRAGON FLY GND LOOPED, OTHER ACFT IN THE VFR TRAFFIC PATTERN WERE SENT AROUND, INCLUDING A CESSNA 152(C-152), N93604, FLOWN BY A STUDENT PLT. SHORTLY AFTER THE DRAGON FLY WAS CLR'D FM THE RWY, CESSNA 172 (C-172), N48003, ENTERED THE PATTERN, MAKING A TOTAL OF 6 ACFT IN THE PATTERN & 1 ACFT (PLT) WAITING TO DEPART. THE C-172 HAD ENTERED THE PATTERN AHEAD OF THE C-152. THE TWR CONTROLLER (CTLR) TOLD THE STUDENT (C-152) HE WAS #3 IN THE PATTERN 'FOLLOWING A CESSNA ON BASE.' THE STUDENT ACKNOWLEDGED. SHORTLY AFTER THAT, THE #1 ACFT IN THE PATTERN LANDED & THE PLT WAITING TO DEPART WAS CLEARED TO TAKEOFF. AS THE C-172 & C-152 CONT'D IN THE PATTERN, THE CTLR ASKED THE STUDENT (C-152) IF HE WAS STILL FOLLOWING THE CESSNA AHEAD; THE STUDENT REPLIED 'THAT'S AFFIRMATIVE.' HOWEVER, ON FINAL APCH, THE 2 ACFT CONVERGED & COLLIDED, THEN FELL TO THE GND. THE CTLR, WHO WAS BUSY, DID NOT SEE THE ACFT. THE PLT-IN-COMMAND OF THE C-172 WAS FATALLY INJURED; THE 2ND PLT (COPLT) IN THE C-172 & THE C-152 PLT WERE SERIOUSLY INJURED.

## Probable Cause

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

## Findings

Occurrence #1: MIDAIR COLLISION  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

### Findings

1. (F) AIRPORT/FACILITIES - CONGESTED
  2. (F) CONTROL TOWER SERVICE - INADEQUATE - ATC PERSONNEL(LCL/GND/CLNC)
  3. (F) EXCESSIVE WORKLOAD (TASK OVERLOAD) - ATC PERSONNEL(LCL/GND/CLNC)
  4. (C) VISUAL LOOKOUT - INADEQUATE - PILOT OF OTHER AIRCRAFT
  5. (F) LACK OF TOTAL EXPERIENCE - PILOT OF OTHER AIRCRAFT
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	39
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	261 hours (Total, all aircraft), 261 hours (Total, this make and model), 230 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N48003
<b>Model/Series:</b>	172M 172M	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	107TH FLYING CLUB	<b>Engine Manufacturer:</b>	LYCOMING
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-320-E2D
<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>	Day
<b>Observation Facility, Elevation:</b>	PTK, 980 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Overcast / 4000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	11 knots / , 290°
<b>Temperature:</b>		<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>		<b>Destination:</b>	

## Airport Information

<b>Airport:</b>	PONTIAC-OAKLAND (PTK)	<b>Runway Surface Type:</b>	Macadam
<b>Runway Used:</b>	27R	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	3251 ft / 75 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>	1 Serious	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>			

## Administrative Information

Investigator In Charge (IIC): ROBERT BENZON

Adopted 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](mailto: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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