



# Aviation Investigation Final Report

<b>Location:</b>	MCGRATH, Alaska	<b>Accident Number:</b>	ANC87LA016
<b>Date &amp; Time:</b>	November 24, 1986, 15:50 Local	<b>Registration:</b>	N23CP
<b>Aircraft:</b>	PIPER PA-22-20	<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

THE PLT-IN-COMMAND STATED HE WAS EXECUTING A SHALLOW APPROACH TO RUNWAY 16 AND PRIOR TO REACHING THE RUNWAY THE ENGINE STOPPED PRODUCING POWER. HE FURTHER STATED THAT DURING HIS DESCENT HE DID NOT USE ANY CARBURETOR HEAT. THE PLT LOST CONTROL OF THE AIRPLANE PRIOR TO REACHING THE RUNWAY'S THRESHOLD AND CRASHED ON THE THRESHOLD. NO MECHANICAL IRREGULARITIES WERE FOUND AND THE AIRPLANE HAD SUFFICIENT FUEL TO COMPLETE THE FLT.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

#### Findings

1. (C) CARBURETOR HEAT - NOT USED - PILOT IN COMMAND
2. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND

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Occurrence #2: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

3. (C) PROPER ALTITUDE - BELOW - PILOT IN COMMAND

4. (C) AIRSPEED(VS) - BELOW - PILOT IN COMMAND

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

5. (C) STALL - INADVERTENT - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	30, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<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>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	June 10, 1986
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	467 hours (Total, all aircraft), 200 hours (Total, this make and model), 14 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N23CP
<b>Model/Series:</b>	PA-22-20 PA-22-20	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	225866
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	September 10, 1986 Annual	<b>Certified Max Gross Wt.:</b>	2000 lbs
<b>Time Since Last Inspection:</b>	13 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2192 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-320-A2B
<b>Registered Owner:</b>	JAMES DICKEY	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>	JAMES DICKEY	<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>	Scattered / 25000 ft AGL	<b>Visibility</b>	40 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	-30°C / -2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	KOTZEBUE , AK (OTZ )	<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>		<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	12:00 Local	<b>Type of Airspace:</b>	Airport advisory area;Class D;Class E

## Airport Information

<b>Airport:</b>	MCGRATH MCG	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	337 ft msl	<b>Runway Surface Condition:</b>	Snow
<b>Runway Used:</b>	16	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5460 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	63.60939,-154.779785(est)

## Administrative Information

**Investigator In Charge (IIC):** Kobelnyk, George

**Additional Participating Persons:**

**Original Publish Date:** March 10, 1988

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=4809>

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