



# Aviation Investigation Final Report

<b>Location:</b>	TUNKHANNOCK, Pennsylvania	<b>Accident Number:</b>	NYC82DA202
<b>Date &amp; Time:</b>	August 16, 1982, 18:30 Local	<b>Registration:</b>	N3732Z
<b>Aircraft:</b>	PIPER PA-22-160	<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

DURING A LANDING IN CALM WIND CONDITIONS, THE AIRCRAFT WAS HIGH ON FINAL APPROACH, SO THE PILOT ADDED FLAPS AND SLIPPED THE PLANE TO LOSE ALTITUDE. HE TOUCHED DOWN ABOUT 1000 FT DOWN THE 2000 FT RUNWAY. HE REPORTED THAT AFTER LANDING, HE APPLIED THE BRAKES, BUT THEY SEEMED TO FAIL. HE INTENTIONALLY GROUND LOOPED THE PLANE AT THE END OF THE RUNWAY TO KEEP IT FROM GOING OVER A BANK AND INTO A TRAILER PARK. DURING THE MANEUVER, THE AIRCRAFT FLIPPED OVER.

## Probable Cause and Findings

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

### Findings

Occurrence #1: NOSE OVER  
Phase of Operation: LANDING - ROLL

#### Findings

1. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
2. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND
3. (C) GO-AROUND - NOT PERFORMED - PILOT IN COMMAND
4. (C) GROUND LOOP/SWERVE - INTENTIONAL - PILOT IN COMMAND



## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	71, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<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 3, 1982
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	3700 hours (Total, all aircraft), 3300 hours (Total, this make and model), 3466 hours (Pilot In Command, all aircraft), 64 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N3732Z
<b>Model/Series:</b>	PA-22-160 PA-22-160	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	22-7611
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	1840 lbs
<b>Time Since Last Inspection:</b>	92 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3552 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-320-A1A
<b>Registered Owner:</b>	BERNARD ROTTSCHAEFER	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>	BERNARD ROTTSCHAEFER	<b>Operating Certificate(s) Held:</b>	
<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>	10 miles
<b>Lowest Ceiling:</b>	Unknown	<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>	30 inches Hg	<b>Temperature/Dew Point:</b>	80°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	READING , PA (RDG )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	ANTOINE , AR	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	17:25 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	SKYHAVEN 76N	<b>Runway Surface Type:</b>	Grass/turf;Gravel
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2000 ft / 300 ft	<b>VFR Approach/Landing:</b>	None

## 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>	41.529953,-75.940269(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** August 16, 1983

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=72882>

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