



# Aviation Investigation Final Report

<b>Location:</b>	LOCK HAVEN, Pennsylvania	<b>Accident Number:</b>	BF092LA039
<b>Date &amp; Time:</b>	March 14, 1992, 13:00 Local	<b>Registration:</b>	N12CG
<b>Aircraft:</b>	LET L-13	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE GLIDER WAS DEPARTING ON RUNWAY 27 FOR A LOCAL PLEASURE FLIGHT. DURING THE TOWED TAKEOFF, THE TOW ROPE BROKE AT 220 FEET ABOVE GROUND LEVEL. THE PILOT CLEARED THE TOW PLANE BY MAKING A RIGHT TURN AND THEN TURNED BACK TO THE LEFT TO THE DEPARTURE FIELD. DUE TO OBSTRUCTIONS NEAR THE RUNWAY, THE PILOT ELECTED TO LAND ON THE GRASS ON THE LEFT SIDE OF THE PAVED RUNWAY. AFTER TOUCHDOWN, THE GLIDER STRUCK A MOUND OF DIRT WHICH DESTROYED THE AIRPLANE.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A TOW ROPE THAT BROKE AT LOW ALTITUDE.

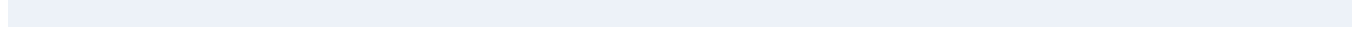
## Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

### Findings

1. (C) GLIDER LAUNCH/TOW EQUIPMENT - FAILURE, TOTAL
2. ALTITUDE - INADEQUATE
3. (C) PROPER ALIGNMENT - NOT ATTAINED - PILOT IN COMMAND
4. TERRAIN CONDITION - ROUGH/UNEVEN



## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	74,Female
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	Glider	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Glider; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	June 3, 1991
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	10000 hours (Total, all aircraft), 3 hours (Total, this make and model), 10000 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 18 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	LET	<b>Registration:</b>	N12CG
<b>Model/Series:</b>	L-13 L-13	<b>Aircraft Category:</b>	Glider
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	174525
<b>Landing Gear Type:</b>		<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	September 6, 1991 Annual	<b>Certified Max Gross Wt.:</b>	1102 lbs
<b>Time Since Last Inspection:</b>	30 Hrs	<b>Engines:</b>	0 Unknown
<b>Airframe Total Time:</b>	2717 Hrs	<b>Engine Manufacturer:</b>	
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	
<b>Registered Owner:</b>	HARRY C SAMUEL	<b>Rated Power:</b>	
<b>Operator:</b>	HARRY C SAMUEL	<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>	20 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	15 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	-4°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	W. T. PIPER MEM. LHV	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	555 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3500 ft / 100 ft	<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Destroyed
<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>	41.130764,-77.450996(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Reitan, Albert
<b>Additional Participating Persons:</b>	H. GUNTER; HARRISBURG , PA
<b>Original Publish Date:</b>	August 13, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=11770">https://data.ntsb.gov/Docket?ProjectID=11770</a>

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