National Transportation Safety Board
Aviation Accident Final Report

Location:	MT. VERNON, OH	**Accident Number:**	CHI83LA001
Date & Time:	10/01/1982, 1640 EDT	**Registration:**	N9985F
Aircraft:	BENSON GYROCOPTER	**Aircraft Damage:**	Destroyed
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

THE GYROCOPTER PILOT STATED THAT HE LANDED THE AIRCRAFT HARD, BOUNCED AND THEN NOSED OVER.

Probable Cause and Findings

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

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings
1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
2. (F) ROTOR RPM - NOT MAINTAINED - PILOT IN COMMAND
3. (C) FLARE - MISJUDGED - PILOT IN COMMAND

Occurrence #2: NOSE DOWN
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Student	**Age:**	30, Male
Airplane Rating(s):		**Seat Occupied:**	Unknown
Other Aircraft Rating(s):		**Restraint Used:**	
Instrument Rating(s):		**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	09/02/1981
Occupational Pilot:		**Last Flight Review or Equivalent:**	
Flight Time:	108 hours (Total, all aircraft), 108 hours (Total, this make and model), 108 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BENSON	**Registration:**	N9985F
Model/Series:	GYROCOPTER GYROCOPTER	**Aircraft Category:**	Gyroplane
Year of Manufacture:		**Amateur Built:**	Yes
Airworthiness Certificate:		**Serial Number:**	001
Landing Gear Type:	Tricycle	**Seats:**	1
Date/Type of Last Inspection:	Unknown	**Certified Max Gross Wt.:**	550 lbs
Time Since Last Inspection:	95 Hours	**Engines:**	1 Reciprocating
Airframe Total Time:	95 Hours	**Engine Manufacturer:**	VOLKSWAGON
ELT:	Not installed	**Engine Model/Series:**	
Registered Owner:	GORY W. DAVIS	**Rated Power:**	65 hp
Operator:	GORY W. DAVIS	**Operating Certificate(s) Held:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	**Condition of Light:**	Day
Observation Facility, Elevation:	, 0 ft msl	**Distance from Accident Site:**	0 Nautical Miles
Observation Time:	0000	**Direction from Accident Site:**	0°
Lowest Cloud Condition:	Clear / 0 ft agl	**Visibility**	10 Miles
Lowest Ceiling:	Unknown / 0 ft agl	**Visibility (RVR):**	0 ft
Wind Speed/Gusts:	5 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	60°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:		**Temperature/Dew Point:**	70°C / 0°C
Precipitation and Obscuration:			
Departure Point:	MT. VERNON, OH (664)	**Type of Flight Plan Filed:**	None
Destination:	MT. VERNON, OH (664)	**Type of Clearance:**	None
Departure Time:	1630	**Type of Airspace:**	

Airport Information

Airport:	MT. VERNON WYNKOOP (664)	**Runway Surface Type:**	
Airport Elevation:	0 ft	**Runway Surface Condition:**	
Runway Used:	0	**IFR Approach:**	None
Runway Length/Width:		**VFR Approach/Landing:**	None

Wreckage and Impact Information

Crew Injuries:	1 None	**Aircraft Damage:**	Destroyed
Passenger Injuries:	N/A	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	1 None	**Latitude, Longitude:**	

Administrative Information

Investigator In Charge (IIC):		**Report Date:**	10/01/1983
Additional Participating Persons:			
Publish 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, or at 800-877-6799. Dockets released after this date are available at http://dms.ntsb.gov/pubdms/.		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available here.