



# National Transportation Safety Board Aviation Accident Factual Report

|                                |                                      |                         |                 |
|--------------------------------|--------------------------------------|-------------------------|-----------------|
| <b>Location:</b>               | MCHENRY, MD                          | <b>Accident Number:</b> | BFO89LA052      |
| <b>Date &amp; Time:</b>        | 07/01/1989, 1206 EDT                 | <b>Registration:</b>    | N7784M          |
| <b>Aircraft:</b>               | MOONEY M-20F                         | <b>Aircraft Damage:</b> | Substantial     |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 1 Minor, 1 None |
| <b>Flight Conducted Under:</b> | Part 91: General Aviation - Personal |                         |                 |

## Pilot Information

|                                  |  |  |                            |
|----------------------------------|--|--|----------------------------|
| <b>Certificate:</b>              | Private  | <b>Age:</b>                              | 37, 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>                   | Seatbelt, Shoulder harness |
| <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/<br>waivers/lim.  | <b>Last FAA Medical Exam:</b>            | 12/05/1988                 |
| <b>Occupational Pilot:</b>       |  | <b>Last Flight Review or Equivalent:</b> |                            |
| <b>Flight Time:</b>              | 167 hours (Total, all aircraft), 55 hours (Total, this make and model), 140 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft) |  |                            |

## Aircraft and Owner/Operator Information

|                               |                        |                                |                 |
|-------------------------------|------------------------|--------------------------------|-----------------|
| Aircraft Make:                | MOONEY                 | Registration:                  | N7784M          |
| Model/Series:                 | M-20F M-20F            | Aircraft Category:             | Airplane        |
| Year of Manufacture:          |                        | Amateur Built:                 | No              |
| Airworthiness Certificate:    | Normal                 | Serial Number:                 | 22-0032         |
| Landing Gear Type:            | Retractable - Tricycle | Seats:                         | 4               |
| Date/Type of Last Inspection: | 05/26/1989, Annual     | Certified Max Gross Wt.:       | 2740 lbs        |
| Time Since Last Inspection:   | 20 Hours               | Engines:                       | 1 Reciprocating |
| Airframe Total Time:          | 2760 Hours             | Engine Manufacturer:           | LYCOMING        |
| ELT:                          | Installed              | Engine Model/Series:           | IO-360-A1A      |
| Registered Owner:             | ROBERT L. MCKEEVER     | Rated Power:                   | 200 hp          |
| Operator:                     | ROBERT L MCKEEVER      | Operating Certificate(s) Held: | None            |

## 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                           | 15 Miles         |
| Lowest Ceiling:                  | None / 0 ft agl        | Visibility (RVR):                    | 0 ft             |
| Wind Speed/Gusts:                | 5 knots / 10 knots     | Turbulence Type Forecast/Actual:     | /                |
| Wind Direction:                  | 300°                   | Turbulence Severity Forecast/Actual: | /                |
| Altimeter Setting:               | 30 inches Hg           | Temperature/Dew Point:               | 29° C / 10° C    |
| Precipitation and Obscuration:   |                        |                                      |                  |
| Departure Point:                 | GAITHERSBURG, MD (GAI) | Type of Flight Plan Filed:           | None             |
| Destination:                     |                        | Type of Clearance:                   | None             |
| Departure Time:                  | 1115 EDT               | Type of Airspace:                    | Class G          |

## Airport Information

|                      |                      |                           |                            |
|----------------------|----------------------|---------------------------|----------------------------|
| Airport:             | GARRETT COUNTY (2G4) | Runway Surface Type:      | Asphalt                    |
| Airport Elevation:   | 2933 ft              | Runway Surface Condition: | Dry                        |
| Runway Used:         | 26                   | IFR Approach:             | None                       |
| Runway Length/Width: | 2495 ft / 75 ft      | VFR Approach/Landing:     | Go Around; Traffic Pattern |

## Wreckage and Impact Information

|                            |                 |                             |             |
|----------------------------|-----------------|-----------------------------|-------------|
| <b>Crew Injuries:</b>      | 1 None          | <b>Aircraft Damage:</b>     | Substantial |
| <b>Passenger Injuries:</b> | 1 Minor         | <b>Aircraft Fire:</b>       | None        |
| <b>Ground Injuries:</b>    | N/A             | <b>Aircraft Explosion:</b>  | None        |
| <b>Total Injuries:</b>     | 1 Minor, 1 None | <b>Latitude, Longitude:</b> |             |

## Administrative Information

**Investigator In Charge (IIC):** DENNIS L JONES

### Additional Participating Persons:

**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/>.