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# BRIEFS OF ACCIDENTS INVOLVING

AMATEUR/ HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION

1967

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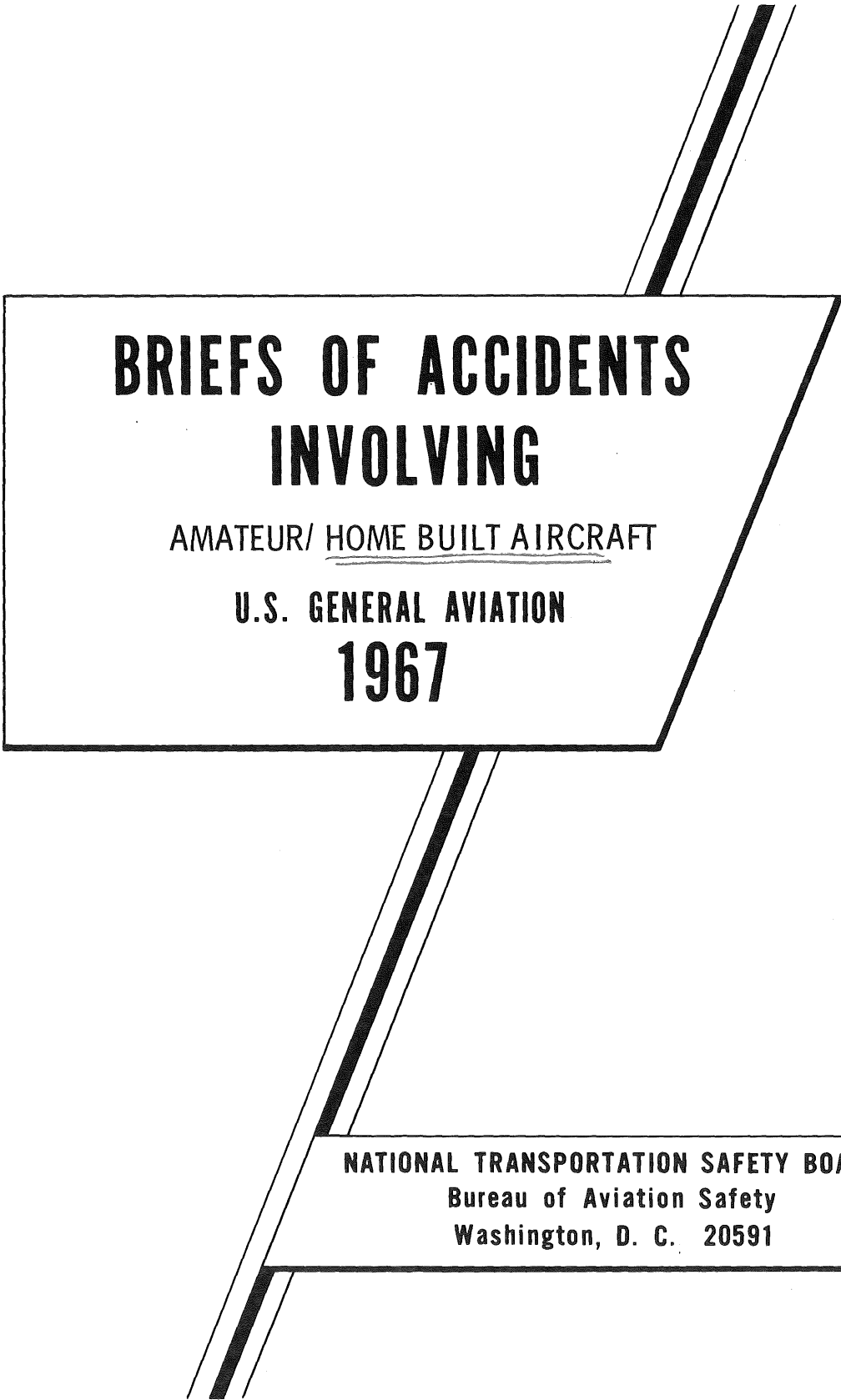
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# **BRIEFS OF ACCIDENTS INVOLVING**

**AMATEUR/ HOME BUILT AIRCRAFT**

**U.S. GENERAL AVIATION**

**1967**

**NATIONAL TRANSPORTATION SAFETY BOARD**

**Bureau of Aviation Safety**

**Washington, D. C. 20591**



## FOREWORD

This report contains the Briefs of Accidents involving Amateur/Home Built aircraft occurring in 1967. There were 63 accidents involving this model aircraft out of a total of 6,115 General Aviation accidents in 1967.

Collisions between aircraft are treated as one accident. A complete analysis and coding is done on each aircraft involved in collisions. This produces two aircraft accident records, one for each aircraft involved in the collision. Consequently, when compiling information on accidents involving collisions between aircraft, the number of accidents records will exceed the number of accidents. The injury and cause/related tables show the number of accidents. All analytic tables show both records and accidents.

The Briefs of Accidents contain the essential items of information which fulfill the requirements of the majority of persons using these reports. However, for those having a need for more detailed information, the original factual reports on each accident are on file in the Washington office of the National Transportation Safety Board. Upon request these reports will be reproduced commercially at an average cost of 15¢ per page for printed matter and 75¢ per page for photographs, plus postage. (Minimum Charge \$1.00).

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*Homebuilt Aircraft*

## EXPLANATORY NOTES

### Type of Accident:

The type of accident relates to the circumstances involved in the accident. Briefly, it indicates what happened.

### Phase of Operation:

The phase of operation relates to the particular segment of the flight or operation during which the circumstances of the accident occur. In other words, where in the flight the circumstances took place.

### First and Second Type of Accident:

Two separate types may be coded in any one accident. The selection of first and second type is made in relation to the sequence of occurrence.

In those occurrences wherein more than two types or circumstances are involved, the selection of types is made considering the circumstances which may be of the greatest value from the standpoint of safety study. In such cases the two types selected are coded as first and second according to sequence of occurrence.

A secondary type is not normally used when the occurrence is the inevitable result of a prior occurrence resulting in the loss of control. Generally this pertains to collisions with ground or objects.

### First and Second Phase of Operation:

The phase of operation is directly related to the type of accident. When more than one type is coded for an accident, each type will have a corresponding phase. In other words, the first phase of operation will be that phase of flight in which the first type or circumstance occurred. In the event that the first and second type both occur in one operational phase, the same phase is coded twice.

### Cause and Related Factors:

In determining the probable cause of an accident, all facts, conditions and circumstances are considered. For statistical purposes, where two or more causes exist in an accident, each is recorded and no attempt is made to establish a primary cause. Therefore, in the Cause and Related Factor Table, the figures shown in the columns dealing with Cause will exceed the total number of accidents. The term Factor is used, in general, to reflect those elements of an accident which further explain or supplement the probable cause(s). This provision was incorporated in the coding system to increase its flexibility and to provide a means for collecting essential items of information which could not be readily categorized elsewhere in the system.

LIST OF ABBREVIATIONS USED IN BRIEFS

ABBREVIATIONS

MEANING

AERIAL ADVERTISE	AERIAL ADVERTISING
AERIAL APPLIC	AERIAL APPLICATION
AIR SHOW/RACING	AIR SHOW/AIR RACING
AIR TAXI - CARGO	AIR TAXI- CARGO OPERATIONS
AIR TAXI - PASSG	AIR TAXI - PASSENGER OPERATIONS
ASSOC FIRE CTL	ASSOCIATED FIRE CONTROL ACTIVITIES
CARGO NS-D	NONSCHEDULED/CHARTER REVENUE CARGO - DOMESTIC
CARGO NS-I	NONSCHEDULED/CHARTER REVENUE CARGO - INTERNATIONAL
CARGO S-D	SCHEDULED DOMESTIC CARGO SERVICE
CARGO S-I	SCHEDULED INTERNATIONAL CARGO SERVICE
CONSTRUCTION	CONSTRUCTION WORK
CORP/EXEC	CORPORATE/EXECUTIVE
CR-	CREW
CTR CARGO - D	CONTRACT CHARTER - CARGO - DOMESTIC
CTR CARGO - I	CONTRACT CHARTER - CARGO - INTERNATIONAL
CTR PASSG - D	CONTRACT CHARTER - PASSENGER - DOMESTIC
CTR PASSG - I	CONTRACT CHARTER - PASSENGER - INTERNATIONAL
MAPPING/PHOTO	AERIAL MAPPING PHOTOGRAPHY
MIL/CTR CARGO	MILITARY CONTRACT - CARGO
MIL/CTR CARGO D	MILITARY CONTRACT - CARGO - DOMESTIC
MIL/CTR CARGO I	MILITARY CONTRACT - CARGO - INTERNATIONAL
MIL/CTR PASSG	MILITARY CONTRACT - PASSENGER
MIL/CTR PASSG D	MILITARY CONTRACT - PASSENGER - DOMESTIC
MIL/CTR PASSG I	MILITARY CONTRACT - PASSENGER - INTERNATIONAL
NS CTR CARGO	NONSCHEDULED/CHARTER REVENUE CARGO - INTRA-STATE CARRIER
NS CTR PASSG	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE CARRIER
OT-	OTHER AIRCRAFT AND GROUND
OTHER PUBLIC	ALL OTHER PUBLIC FLYING
PARAJUMP	PARACHUTE JUMP
PASSG NS-D	NONSCHEDULED/CHARTER REVENUE PASSENGER - DOMESTIC
PASSG NS-I	NONSCHEDULED/CHARTER REVENUE PASSENGER - INTERNATIONAL
PASSG S-D	SCHEDULED DOMESTIC PASSENGER SERVICE
PASSG S-I	SCHEDULED INTERNATIONAL PASSENGER SERVICE
PX-	PASSENGER
SCHED CARGO SRV	SCHEDULED CARGO SERVICE
SCHED PASSG SRV	SCHEDULED PASSENGER SERVICE
TIME	LOCAL STANDARD TIME OF ACCIDENT
WBP	WEATHER BUREAU PERSONNEL
FSP	FLIGHT SERVICE PERSONNEL

INJURIES, ACCIDENTS  
AMATEUR/HOME BUILT AIRCRAFT  
U.S. GENERAL AVIATION

1967

	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	TOTAL
PILOT	19	11	10	23		63
COPILOT						
DUAL STUDENT						
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW				1		1
PASSENGERS	1	3	1	3		8
TOTAL	20	14	11	27		72
					ABOARD	
IV * OTHER-AIRCRAFT						
OTHER-GROUND						
GRAND TOTAL	20	14	11	27		72

INVOLVES 63 TOTAL ACCIDENTS  
INVOLVES 20 FATAL ACCIDENTS



# ANALYTIC TABLE

## KIND OF FLYING BY INJURY INDEX

<u>KIND OF FLYING</u>	<u>INJURY INDEX</u>				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
INSTRUCTIONAL							
DUAL							
SOLO							
CHECK							
TRAINING	1	1	1	1	4	4	6.35
NONCOMMERCIAL							
PLEASURE	14	6	7	18	45	45	71.43
PRACTICE	2	2	1	1	6	6	9.52
BUSINESS							
CORPORATE/EXECUTIVE							
AERIAL SURVEY	1				1	1	1.59
COMPANY FLIGHT							
OTHER							
COMMERCIAL							
AERIAL APPLICATION							
ASSOCIATED CROP CONTROL ACTIV							
FIRE CONTROL							
ASSOCIATED FIRE CONTROL ACTIV							
AERIAL MAPPING/PHOTOGRAPHY							
AERIAL ADVERTISING							
POWER AND PIPELINE PATROL							
FISH SPOTTING							
AIR TAXI-PASSENGER OPERATIONS							
AIR TAXI-CARGO OPERATIONS							
CONSTRUCTION WORK							
SCHEDULED PASSENGER SERVICE							
SCHEDULED CARGO SERVICE							
NONSCHEDULED/CHARTER REVENUE							
NONSCHEDULED/CHARTER REVENUE							
MILITARY CONTRACT-PASSENGER							
MILITARY CONTRACT-CARGO							
CONTRACT/CHARTER-CARGO-DOMEST							
CONTRACT/CHARTER-PASSENGER-DO							
CONTRACT/CHARTER-CARGO-INTERN							
CONTRACT/CHARTER-PASSENGER-IN							
OTHER							
UNK/NR							

# ANALYTIC TABLE

## KIND OF FLYING BY INJURY INDEX

<u>KIND OF FLYING</u>	<u>INJURY INDEX</u>				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
MISCELLANEOUS							
EXPERIMENTATION							
TEST	1	1	1	2	5	5	7.94.
DEMONSTRATION							
FERRY		1			1	1	1.59
SEARCH AND RESCUE							
AIR SHOW/AIR RACING							
PARACHUTE JUMP							
PARACHUTE JUMP IN CONNECTION							
TOWING GLIDERS							
SEEDING CLOUDS							
HUNTING							
POLICE PATROL							
ALL OTHER PUBLIC FLYING	1				1	1	1.59
OTHER							
UNK/NR							
RECORDS	20	11	10	22	63		
ACCIDENTS	20	11	10	22		63	
PERCENT	31.7	17.5	15.9	34.9			

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS	PERCENT
	DESTROYED	SUBSTANTIAL	MINOR	NONE			
GROUND-WATER LOOP-SWERVE	4				4	4	6.35
DRAKGED WINGTIP, POD, OR FLOA							
WHEELS-UP LANDING							
WHEELS-DOWN LANDING IN WATER							
GEAR COLLAPSED	1				1	1	1.59
GEAR RETRACTED							
HARD LANDING	2				2	2	3.17
NOSE OVER/DOWN	3				3	3	4.76
ROLL OVER	2				2	2	3.17
OVERSHOOT	2				2	2	3.17
UNDERSHOOT	1	3			4	4	6.35
COLLISION BETWEEN AIRCRAFT							
BOTH IN FLIGHT	1				1	1	1.59
ONE AIRBORNE							
BOTH ON GROUND							
COLLISION WITH GROUND/WATER							
CONTROLLED	1				1	1	1.59
UNCONTROLLED	3	2			5	5	7.94
COLLIDED WITH							
WIRES/POLES							
TREES							
RESIDENCE/S							
BUILDING/S							
FENCE, FENCEPOSTS	1				1	1	1.59
ELECTRONIC TOWERS							
RUNWAY OR APPROACH LIGHTS							
AIRPORT HAZARD							
ANIMALS							
CROP							
FLAGMAN LOADER							
DITCHES							
SNOWBANK	1				1	1	1.59
PARKED AIRCRAFT							
AUTOMOBILE							
DIRT BANK							
OBJECT							
BIRD STRIKE							

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS	PERCENT
	DESTROYED	SUBSTANTIAL	MINOR	NONE			
STALL	1	3			7	7	11.11
SPIN	3				3	3	4.76
SPIRAL							
MUSH							
FIRE OR EXPLOSION							
IN FLIGHT							
ON GROUND							
AIRFRAME FAILURE							
IN FLIGHT	2				2	2	3.17
ON GROUND							
ENGINE TEARAWAY							
ENGINE FAILURE OR MALFUNCTION	3	11			14	14	22.22
PROPELLER/ROTOR FAILURE							
PROPELLER		1			1	1	1.59
TAIL ROTOR							
MAIN ROTOR	3				3	3	4.76
PROPELLER/ROTOR ACCIDENT TO P		1			1	1	1.59
JET INTAKE/EXHAUST ACCIDENT T							
PROPELLER/JET/ROTOR BLAST							
TURBULENCE	1				1	1	1.59
HAIL DAMAGE TO AIRCRAFT							
LIGHTNING STRIKE							
EVASIVE MANEUVER							
UNCONTROLLED ALTITUDE DEVIATI							
DITCHING							
MISSING AIRCRAFT, NOT RECOVER							
MISCELLANEOUS/OTHER	3	1			4	4	6.35
UNDETERMINED							
OTHER							
RECORDS	25	38			63		
ACCIDENTS	25	38				63	
PERCENT	39.7	60.3	.0	.0			

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
STATIC							
STARTING ENGINE/S							
IDLING ENGINE/S							
ENGINE RUNUP							
IDLING ROTORS							
PARKED-ENGINES NOT OPERATING							
OTHER							
TAXI							
TO TAKEOFF							
FROM LANDING							
OTHER	1				1	1	1.59
GROUND TAXI TO TAKEOFF							
GROUND TAXI FROM LANDING							
GROUND TAXI, OTHER			1		1	1	1.59
AERIAL TAXI TO TAKEOFF							
AERIAL TAXI TO/FROM LANDING							
AERIAL TAXI, OTHER							
TAKEOFF							
RUN							
INITIAL CLIMB	2	3	2	2	9	9	14.29
VERTICAL							
RUNNING			1		1	1	1.59
ABORTED							
ABORTED							
ABORTED							
OTHER							
INFLIGHT							
CLIMB TO CRUISE		1			1	1	1.59
NORMAL CRUISE	4	2	3	3	12	12	19.05
DESCENDING							
HOLDING							
HOVERING							
POWER-ON DESCENT							
AUTOROTATIVE DESCENT		1			1	1	1.59
ACROBATICS	1				1	1	1.59
BUZZING	1	1			2	2	3.17
UNCONTROLLED DESCENT	2		1		3	3	4.76

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
EMERGENCY DESCENT							
LOW PASS	2				2	2	3.17
OTHER	2				2	2	3.17
EN ROUTE TO TREAT CROP							
EN ROUTE TO RELOADING AREA							
SURVEY FIELD/AREA							
STARTING SWATH RUN							
SWATH RUN							
FLAREOUT FOR SWATH RUN							
PULLUP FROM SWATH RUN							
PROCEDURE TURNAROUND							
CLEANUP SWATH							
MANEUVER TO AVOID OBSTRUCTION							
RETURN TO STRIP							
LANDING							
TRAFFIC PATTERN-CIRCLING	2	1		1	4	4	6.35
FINAL APPROACH	3	1		3	7	7	11.11
INITIAL APPROACH							
FINAL APPROACH							
LEVEL OFF/TOUCHDOWN		1	1	6	8	8	12.70
ROLL				6	6	6	9.52
ROLL-ON/RUN-ON							
POWER-ON LANDING				1	1	1	1.59
POWER-OFF AUTOROTATIVE LANDIN							
GO-AROUND			1		1	1	1.59
MISSED APPROACH							
OTHER							
UNK/NR							
RECORDS	20	11	10	22	63		
ACCIDENTS	20	11	10	22		63	
PERCENT	31.7	17.5	15.9	34.9			

## CAUSE/FACTOR TABLE

AMATEUR/HOME BUILT AIRCRAFT  
U. S. GENERAL AVIATION

1967

INVOLVES 63 TOTAL ACCIDENTS  
INVOLVES 20 FATAL ACCIDENTS

BROAD CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*
PILOT	16 80.00	1 5.00	16 80.00	32 74.42	5 11.63	32 74.42	48 76.19	6 9.52	48 76.19
PERSONNEL	3 15.00	.00	3 15.00	9 20.93	.00	9 20.93	12 19.05	.00	12 19.05
AIRFRAME	1 5.00	.00	1 5.00	2 4.65	.00	2 4.65	3 4.76	.00	3 4.76
LANDING GEAR	.00	.00	.00	2 4.65	1 2.33	3 6.98	2 3.17	1 1.59	3 4.76
POWERPLANT	1 5.00	.00	1 5.00	9 20.93	.00	9 20.93	10 15.87	.00	10 15.87
IX SYSTEMS	.00	.00	.00	1 2.33	1 2.33	2 4.65	1 1.59	1 1.59	2 3.17
INSTRUMENTS/EQUIPMENT AND ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	.00	.00
ROTORCRAFT	2 10.00	1 5.00	3 15.00	.00	.00	.00	2 3.17	1 1.59	3 4.76
AIRPORTS/AIRWAYS/FACILITIES	.00	.00	.00	1 2.33	.00	1 2.33	1 1.59	.00	1 1.59
WEATHER	3 15.00	3 15.00	6 30.00	2 4.65	4 9.30	6 13.95	5 7.94	7 11.11	12 19.05
TERRAIN	.00	.00	.00	2 4.65	4 9.30	6 13.95	2 3.17	4 6.35	6 9.52
MISCELLANEOUS	.00	.00	.00	.00	1 2.33	1 2.33	.00	1 1.59	1 1.59
UNDETERMINED	.00	.00	.00	.00	.00	.00	.00	.00	.00

THE FIGURES OPPOSITE EACH CAUSAL CATEGORY REPRESENT THE NUMBER AND PERCENT  
OF ACCIDENTS IN WHICH THAT PARTICULAR CAUSAL CATEGORY WAS ASSIGNED\* IF AN ACCIDENT INCLUDES BOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL  
CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

## CAUSE/FACTOR TABLE

AMATEUR/HOME BUILT AIRCRAFT  
U. S. GENERAL AVIATION

1967

INVOLVES 63 TOTAL ACCIDENTS  
INVOLVES 20 FATAL ACCIDENTS

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
<b>** PILOT **</b>									
PILOT IN COMMAND									
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL	1		1	3		3	4		4
DELAYED IN INITIATING GO-AROUND				1		1	1		1
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	1		1				1		1
FAILED TO OBTAIN/MAINTAIN FLYING SPEED	5		5	10		10	15		15
FAILED TO MAINTAIN ADEQUATE ROTOR RPM	1		1	2	1	2	2	1	3
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS	2		2	2		2	4		4
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				2		2	2		2
IMPROPER OPERATION OF FLIGHT CONTROLS	7		7	5		5	12		12
PREMATURE LIFT OFF				1		1	1		1
IMPROPER LEVEL OFF	1		1	4		4	5		5
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	1		1				1		1
LACK OF FAMILIARITY WITH AIRCRAFT	2	1	3	2	3	5	4	4	8
EXERCISED POOR JUDGMENT				2		2	2		2
SELECTED UNSUITABLE TERRAIN				3		3	3		3
STARTED ENGINE WITHOUT PROPER ASSISTANCE/EQUIPMENT	1		1				1		1
SPONTANEOUS-IMPROPER ACTION	1		1	1		1	2		2
MISJUDGED DISTANCE AND SPEED				2		2	2		2
MISJUDGED DISTANCE AND ALTITUDE	1		1	2		2	3		3
MISJUDGED SPEED AND ALTITUDE				1		1	1		1
MISJUDGED SPEED					1	1		1	1
FAILED TO MAINTAIN DIRECTIONAL CONTROL				2		2	2		2
SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND				1		1	1		1
FAILED TO ABORT TAKEOFF				1		1	1		1
SUBTOTAL	24	1	25	46	5	51	70	6	76
<b>** PERSONNEL **</b>									
FLIGHT INSTRUCTOR									
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE(OWNER PERSONNEL)				1		1	1		1
INADEQUATE MAINTENANCE AND INSPECTION				1		1	1		1
OPERATIONAL SUPERVISORY PERSONNEL									
WEATHER PERSONNEL									
TRAFFIC CONTROL PERSONNEL									
AIRPORT SUPERVISORY PERSONNEL									
IMPROPER MAINTENANCE-AIRPORT FACILITIES				1		1	1		1
FAILURE TO NOTIFY OF UNSAFE CONDITION				1		1	1		1
IMPROPER/INADEQUATE SNOW REMOVAL				1		1	1		1
AIRWAYS FACILITIES PERSONNEL									
PRODUCTION-DESIGN									
SUBSTANDARD QUALITY CONTROL	1		1	1		1	2		2
POOR/INADEQUATE DESIGN	1		1	4		4	5		5
MISCELLANEOUS-PERSONNEL									
DIRECT ENTRIES	1		1				1		1
THIRD PILOT									
FLIGHT ENGINEER									
DISPATCHING									
SUBTOTAL	3		3	10		10	13		13
<b>** AIRFRAME **</b>									
WINGS									
SPARS				1		1	1		1
FUSELAGE									
LANDING GEAR									
MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC				1		1	1		1
WHEELS, TIRES, AXLES					1	1		1	1
NOSEWHEEL STEERING				1		1	1		1
FLIGHT CONTROL SURFACES									



## CAUSE/FACTOR TABLE

## AIRFRAME (CONTINUED)

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
HORIZONTAL STABILIZER, ATTACHMENTS	1		1	1		1	2		2
SUBTOTAL	1		1	4	1	5	5	1	6
** POWERPLANT **									
ENGINE STRUCTURE									
CRANKSHAFT				1		1	1		1
PISTON, PISTON RINGS				3		3	3		3
IGNITION SYSTEM									
SPARK PLUG				1		1	1		1
FUEL SYSTEM									
CARBURETOR				1		1	1		1
LUBRICATING SYSTEM									
COOLING SYSTEM									
PROPELLER AND ACCESSORIES									
BLADES				1		1	1		1
EXHAUST SYSTEM									
ENGINE ACCESSORIES									
ENGINE CONTROLS-COCKPIT									
POWERPLANT-INSTRUMENTS									
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS	1		1	2		2	3		3
REDUCTION GEAR ASSEMBLY									
COMPRESSOR ASSEMBLY									
COMBUSTION ASSEMBLY									
TURBINE ASSEMBLY									
ACCESSORY DRIVE ASSEMBLY									
LUBRICATING SYSTEM									
FUEL SYSTEM									
SAFETY SYSTEM									
IGNITION SYSTEM									
TORQUEMETER									
AIR BLEED									
EXHAUST SYSTEM									
THRUST REVERSER									
PROPELLER SYSTEM									
CONSTANT SPEED DRIVE									
POWER LEVER									
PROPELLER LEVER									
REVERSE THRUST LEVER									
ENGINE INDICATING EQUIPMENT									
ENGINE INSTALLATION									
SUBTOTAL	1		1	9		9	10		10
** SYSTEMS **									
ELECTRICAL SYSTEM									
BATTERIES					1	1		1	1
HYDRAULIC SYSTEM									
FLIGHT CONTROL SYSTEMS									
RUDDER AND RUDDER TAB CONTROL SYSTEM				1		1	1		1
ANTI-ICING, DE-ICING SYSTEMS									
AIR CONDITION, HEATING AND PRESSURIZATION									
AUTO PILOT									
FIRE WARNING SYSTEM									
FIRE EXTINGUISHER SYSTEM									
OXYGEN SYSTEM									
OTHER SYSTEMS									
SUBTOTAL				1	1	2	1	1	2
** ROTORCRAFT **									
ROTOR ASSEMBLIES									
TAIL ROTOR BLADES		1	1					1	1
MAIN ROTOR HEAD ASSEMBLIES	2		2				2		2
TRANSMISSION ROTOR DRIVE SYSTEM									
FLIGHT CONTROL SYSTEMS									
MISCELLANEOUS UNITS AND ASSEMBLIES									

## CAUSE/FACTOR TABLE

## ROTORCRAFT (CONTINUED)

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
SUBTOTAL	2	1	3				2	1	3
** AIRPORTS/AIRWAYS/FACILITIES **									
AIRPORT FACILITIES									
AIRPORT CONDITIONS									
ICE/SLUSH ON RUNWAY				1		1	1		1
AIRWAYS FACILITIES									
SUBTOTAL				1		1	1		1
** WEATHER **									
CONDITIONS CONDUCTIVE TO CARB/INDUCTION SYSTEM ICING	1	1	2		1	1	1	2	3
UNFAVORABLE WIND CONDITIONS	1	2	3	2	3	5	3	5	8
TURBULENCE IN FLIGHT, CLEAR AIR	1		1				1		1
HIGH DENSITY ALTITUDE		1	1					1	1
SUBTOTAL	3	4	7	2	4	6	5	8	13
** TERRAIN **									
HIGH VEGETATION				1	1	2	1	1	2
ROUGH/UNEVEN					2	2		2	2
HIGH OBSTRUCTIONS				1		1	1		1
OTHER					1	1		1	1
SUBTOTAL				2	4	6	2	4	6
** MISCELLANEOUS **									
SMOKE IN COCKPIT					1	1		1	1
SUBTOTAL					1	1		1	1
GRAND TOTAL	34	6	40	75	16	91	109	22	131
** MISCELLANEOUS ACTS, CONDITIONS **									
IMPROPER OPER/FAILED TO USE CARB HEAT/DE-ICING EQUIP	1	1	2	1		1	2	1	3
UNWARRANTED LOW FLYING	1		1		1	1	1	1	2
FATIGUE FRACTURE	2		2	1		1	3		3
FUEL GRADE-IMPROPER					1	1		1	1
IMPROPER GRADE OIL-LUBRICATING SYSTEM					1	1		1	1
SEPARATION IN FLIGHT		6	6		1	1		7	7
CARBON MONOXIDE POISONING		1	1					1	1
AIRCRAFT CAME TO REST IN WATER		1	1			1		2	2
OVERLOAD FAILURE		2	2		1	1		2	2
MATERIAL FAILURE	1		1	3		3	4		4
FUEL STARVATION	1		1	2		2	3		3
IMPROPER CLEARANCE-TOLERANCE				2		2	2		2
POOR WELD				1	1	2	1	1	2
LOW FLUID LEVEL					1	1		1	1
CARBON DEPOSITS				1		1	1		1
BENT				1		1	1		1
BURNED				1		1	1		1
EXCESSIVE				1		1	1		1
FLUTTER				1		1	1		1
OVERHEATED				2		2	2		2

## DIRECT ENTRY CAUSES

PERSONNEL-ROTOR SPINDLE NOT MADE TO SPECIFICATIONS

DIRECT ENTRY CAUSES ARE CARRIED UNDER THEIR APPROPRIATE CAUSAL CATEGORIES AND ARE INCLUDED IN THE TOTALS

NATIONAL TRANSPORTATION SAFETY BOARD

DEPARTMENT OF TRANSPORTATION

WASHINGTON, D. C. 20591

BRIEFS OF ACCIDENTS

AMATEUR/HOME BUILT AIRCRAFT

U. S. GENERAL AVIATION

1967

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
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2-0015	2/11/67	OCALA, FLA	SANDSPUR	CR- 0 1 0	NONCOMMERCIAL	STUDENT, AGE 37, 41 TOTAL
	TIME - 1515		N-4778S	PX- 0 0 0	PLEASURE	HOURS, 39 IN TYPE.
			DAMAGE -SUBSTANTIAL			

TYPE OF ACCIDENT	ENGINE FAILURE OR MALFUNCTION	STALL SPIN	PHASE OF OPERATION	INFLIGHT CLIMB TO CRUISE	LANDING FINAL APPROACH
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PROBABLE CAUSE:

POWERPLANT - ENGINE STRUCTURE - PISTON, PISTON RINGS  
 MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED  
 PRODUCTION-DESIGN - POOR/INADEQUATE DESIGN  
 PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED  
 PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL  
 EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  
 REMARKS- NO.4 PISTON SEIZED. ENGINE NOT EQUIPPED WITH AIR SCOOPS OR BAFFLING. PLT-NO SOLO FLIGHT ENDORSEMENT

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0030	1/28/67 TIME - 1630	CHINO CALIF	BENSEN B-8M N-9677Z DAMAGE -DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 36, 39 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION TAKEOFF INITIAL CLIMB INFLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE ROTOR ASSEMBLIES - MAIN ROTOR HEAD ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE PERSONNEL-ROTOR SPINDLE NOT MADE TO SPECIFICATIONS FACTOR MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT REMARKS- BUILDER OF N9677Z NOT DETERMINED.						
2-0032	2/5/67 TIME - 1240	CADDO MILLS TEX	BENSEN 88M N-6519A DAMAGE -DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 32, 43 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION INFLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT FACTOR WEATHER - UNFAVORABLE WIND CONDITIONS MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE WEATHER BRIEFING - NO BRIEFING RECEIVED REMARKS- ACFT MADE 2 SHORT HOPS THEN CLIMBED TO APPROX 500 FT-CRASHED INVERTED.WIND GUSTING TO 18 KTS.						
2-0082	3/2/67 TIME - 1010	FONTANA,CALIF	BENSEN B-8 N-1697 DAMAGE -SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 52, 2800 TOTAL HOURS, 9 IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE POWERPLANT - ENGINE STRUCTURE - PISTON,PISTON RINGS MISCELLANEOUS ACTS,CONDITIONS - BURNED MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - EXERCISED POOR JUDGMENT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PLT ATTEMPTED TO RETURN TO AIRPORT UPON POWER LOSS,ENGINE SEIZED. NO.3 PISTON FAILED.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
2-0095	3/11/67 TIME - 1700	PERRY, GA	BENSEN B-8M N-ONE DAMAGE - DESTROYED	CR- PX-	1 0	0 0	NONCOMMERCIAL PLEASURE	NONE, AGE 32, 8 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT: STALL			PHASE OF OPERATION INFLIGHT LOW PASS					
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED REMARKS- HIGH SPEED PASS-ABRUPT CLIMB. AIRSPEED LOST DURING CLIMB.								
2-0117	4/2/67 TIME - 1715	FORTY FORT PA	BENSEN B-8-7 N-2191 DAMAGE - DESTROYED	CR- PX-	0 0	1 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 52, 500 TOTAL HOURS, 3 IN TYPE.
TYPE OF ACCIDENT STALL			PHASE OF OPERATION INFLIGHT AUTOROTATIVE DESCENT					
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- GYRO GLIDER WAS TOWED OFF RUNWAY AND CUT LOOSE APPROX 100 FT ABOVE RUNWAY. STALLED ABOUT 50 FT ALT.								
2-0139	4/6/67 TIME - 1120	CORONA, CALIF	BENSEN B-8-M N-1400 DAMAGE - SUBSTANTIAL	CR- PX-	0 0	1 0	MISCELLANEOUS TEST	PRIVATE, AGE 47, 200 TOTAL HOURS, 2 IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER			PHASE OF OPERATION INFLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING					
PROBABLE CAUSE POWERPLANT - ENGINE STRUCTURE - PISTON, PISTON RINGS MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED FACTOR MISCELLANEOUS ACTS, CONDITIONS - FUEL GRADE-IMPROPER TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NO.2 PISTON HEAD AND WALL MELTED. 115/145 OCTANE FUEL REQUIRED-120/138 USED. LANDED IN PLOWED FIELD.								
2-0151	4/22/67 TIME - 1715	NR. GEORGE AFB CALIF	BENSEN B-8M N-2257C DAMAGE - SUBSTANTIAL	CR- PX-	0 0	0 0	1 0 MISCELLANEOUS TEST	COMMERCIAL, FL. INSTR., AGE 44, 5092 TOTAL HOURS, 2 IN TYPE.
TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE PROPELLER ROLL OVER			PHASE OF OPERATION INFLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN					
PROBABLE CAUSE POWERPLANT - PROPELLER AND ACCESSORIES - BLADES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - IMPROPER LEVEL OFF PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPORT PROP/ENGINE VIBRATION REMARKS- THE CAUSE OF PROPELLER FAILURE WAS UNDETERMINED.								

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0168	4/1/67 TIME - 1800	LACEY, WASH	VOLMER VJ-22 N-68648 DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	COMMERCIAL, AGE 47, 492 TOTAL HOURS, 64 IN TYPE.
TYPE OF ACCIDENT STALL			PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING			
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
FIRE AFTER IMPACT						
2-0185	5/21/67 TIME - 1500	SILVER CREEK NY	BENSEN B8M N-4773G DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 28, 16 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION LANDING GO-AROUND LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE POWERPLANT - FUEL SYSTEM - CARBURETOR MAINTENANCE, SERVICING, INSPECTION - IMPROPER MAINTENANCE						
REMARKS- IMPROPER CARB FUEL/AIR ADJUSTMENT ON NEWLY INSTALLED CARB. ENG DID NOT RESPOND ON GO-AROUND ATTEMPT						
2-0242	6/11/67 TIME - 1500	NAPLES, FLA	BENSEN B-8-M N-1183 DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 42, 12 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE ROLL OVER			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL						
2-0265	4/6/67 TIME - 1630	SCOTTSBLUFF, NEBR	BENSEN B8M N-30082 DAMAGE - SUBSTANTIAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 48, 286 TOTAL HOURS, 13 IN TYPE.
TYPE OF ACCIDENT PROPELLER/ROTOR ACCIDENT TO PERSON			PHASE OF OPERATION TAXI OTHER			
PROBABLE CAUSE PILOT IN COMMAND - STARTED ENGINE WITHOUT PROPER ASSISTANCE/EQUIPMENT						
REMARKS- ACFT ROLLED FWD AS PLT WAS BOARDING AFTER HAND STARTING ENG. PROP STRUCK PLT.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0279	7/29/67 TIME - 1815	FOOTVILLE, WIS	BENSEN B8M N-9127 DAMAGE - DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 27, 9 TOTAL HOURS, 7 IN TYPE.
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED ROLL OVER PHASE OF OPERATION TAKEOFF RUNNING TAKEOFF RUNNING PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
2-0298	6/17/67 TIME - 0700	AGAWAM, MASS	BANNICK T N-92862 DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 62, 1000 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT ROLL OVER PHASE OF OPERATION TAXI GROUND TAXI PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR PILOT IN COMMAND - MISJUDGED SPEED REMARKS- PLT PRACTICING TAXI/TAKEOFF RUNS. TAXI SPEED WAS TOO FAST.						
2-0300	7/30/67 TIME - 0840	DALLAS, TEX	FERGUSON B8F N-6511A DAMAGE - SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 60, 2042 TOTAL HOURS, 42 IN TYPE.
TYPE OF ACCIDENT STALL PHASE OF OPERATION TAKEOFF INITIAL CLIMB PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
2-0312	7/27/67 TIME - 1515	ACWORTH, NH	BENSEN B-8-M N-1C030 DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 27, 230 TOTAL HOURS, 28 IN TYPE.
TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE PILOT IN COMMAND - IMPROPER LEVEL OFF FACTOR TERRAIN - OTHER REMARKS- LANDED ON UPHILL SLOPE.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0317	4/1/67 TIME - 1120	ARLINGTON, WASH	CASSUTT R-1 N-22808 DAMAGE - SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 44, 1895 TOTAL HOURS, 6 IN TYPE.
TYPE OF ACCIDENT OVERSHOOT STALL			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING GO-AROUND			
PROBABLE CAUSE PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
2-0322	6/14/67 TIME - 1338	WESTLAND, MICH	BENSEN B-8M N-6931 DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 36, 2 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED			PHASE OF OPERATION INFLIGHT ACROBATICS INFLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
FACTOR MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						
2-0370	6/24/67 TIME - 1315	BROOKSVILLE, FLA	BENSEN R-8-1 N-4962S DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 38, 272 TOTAL HOURS, 2 IN TYPE.
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE FLIGHT CONTROL SYSTEMS - RUDDER AND RUDDER TAB CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - BENT PRODUCTION-DESIGN - POOR/INADEQUATE DESIGN						
FACTOR WEATHER - UNFAVORABLE WIND CONDITIONS REMARKS- RUDDER HORN BENT, CAUSED FULL RT DEFLECTION OF RUDDER.						
2-0371	7/8/67 TIME - 0900	SLIDELL, LA	BENSEN B8M N-1016 DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 21, 45 TOTAL HOURS, 38 IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER			PHASE OF OPERATION INFLIGHT NORMAL CRUISE LANDING ROLL			
PROBABLE CAUSE POWERPLANT - IGNITION SYSTEM - SPARK PLUG MISCELLANEOUS ACTS, CONDITIONS - CARBON DEPOSITS MISCELLANEOUS ACTS, CONDITIONS - EXCESSIVE						
FACTOR MISCELLANEOUS ACTS, CONDITIONS - IMPROPER GRADE OIL-LUBRICATING SYSTEM EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LNDG ON MARSH. PLT OCCASIONALLY USED STND. AV OIL-2QTS/6GALS FUEL, INSTEAD OF SPEC. OIL-1QT/6GALS.						



## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
2-0390	8/13/67 TIME - 1345	THREE RIVERS, MICH	RUSSELL CGI N-7540U DAMAGE - SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 50, 35 TOTAL HOURS, ALL IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION						
ENGINE FAILURE OR MALFUNCTION			TAKEOFF INITIAL CLIMB						
COLLIDED WITH WIRES/POLES			LANDING FINAL APPROACH						
PROBABLE CAUSE									
POWERPLANT - MISCELLANEOUS - POWERPLANT FAILURE FOR UNDETERMINED REASONS									
TERRAIN - HIGH OBSTRUCTIONS									
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									
2-0420	6/13/67 TIME - 1722	BARABOO, WIS	FLUT-R-BUG SA6B N-7564U DAMAGE - DESTROYED	CR- PX-	0 0	1 0	0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 38, 78 TOTAL HOURS, 5 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION						
STALL			INFLIGHT BUZZING						
PROBABLE CAUSE									
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED									
FACTOR									
MISCELLANEOUS ACTS, CONDITIONS - UNWARRENTED LOW FLYING									
REMARKS- INSUFFICIENT ALTITUDE FOR RECOVERY.									
2-0426	7/28/67 TIME - 1515	FREMONT, CALIF	VOLLMER FH-1 N-4361 DAMAGE - DESTROYED	CR- PX-	1 0	0 0	0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 38, 651 TOTAL HOURS, 4 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION						
ENGINE FAILURE OR MALFUNCTION			TAKEOFF INITIAL CLIMB						
STALL SPIN			LANDING FINAL APPROACH						
PROBABLE CAUSE									
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING									
MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION									
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED									
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPORT									
REMARKS- FUEL SELECTOR VALVE ON RT TANK. RT TANK WAS EMPTY FUEL STATUS L. TANK UNDETERMINED DUE TANK DAMAGE.									
2-0429	9/2/67 TIME - 1030	NEW ORLEANS, LA	BENSEN B8M N-4971 DAMAGE - DESTROYED	CR- PX-	1 0	0 0	0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 40, 85 TOTAL HOURS, 12 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION						
MISCELLANEOUS			INFLIGHT NORMAL CRUISE						
COLLISION WITH GROUND/WATER UNCONTROLLED			INFLIGHT UNCONTROLLED DESCENT						
PROBABLE CAUSE									
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS									
FACTOR									
ROTOR ASSEMBLIES - TAIL ROTOR BLADES									
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT									
REMARKS- ACFT MADE ABRUPT PULL-UP FOLLOWED BY ABRUPT PUSH-OVER. ROTOR BLADES STRUCK PROP AND RUDDER.									

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
2-0461	7/3/67 TIME - 1600	BAD AXE, MICH	ZMICK BLACK N-4679T DAMAGE -DESTROYED	CR- PX-	0 0	1 0	0 0	MISCELLANEOUS FERRY PRIVATE, AGE 48, 347 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT				PHASE OF OPERATION				
STALL SPIN				TAKEOFF INITIAL CLIMB				
PROBABLE CAUSE								
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED								
FACTOR								
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT								
2-0490	7/30/67 TIME - 0915	EDGEWATER, FLA	DURKEE SKEETR N-4775S DAMAGE -DESTROYED	CR- PX-	1 1	0 0	0 0	NONCOMMERCIAL WILD LIFE SURVEY COMMERCIAL, AGE 46, 12800 TOTAL HOURS, 500 IN TYPE.
TYPE OF ACCIDENT				PHASE OF OPERATION				
ENGINE FAILURE OR MALFUNCTION				INFLIGHT NORMAL CRUISE				
STALL				LANDING POWER-OFF AUTOROTATIVE LANDING				
PROBABLE CAUSE								
PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS								
MISCELLANEOUS ACTS, CONDITIONS - IMPROPER OPER./FAILED TO USE CARB. HEAT/DEICING EQUIP.								
WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING								
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.								
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
FIRE AFTER IMPACT								
REMARKS- HOMEBUILT CONFIGURED SIMILAR TO BELL 47G-2.								
2-0512	7/3/67 TIME - 1610	APPLE VALLY, CALIF	WOLF HIRTH LO-150 N-9009Z DAMAGE -SUBSTANTIAL	CR- PX-	0 0	1 0	0 0	NONCOMMERCIAL PLEASURE PRIVATE, AGE 40, 480 TOTAL HOURS, 10 IN TYPE.
TYPE OF ACCIDENT				PHASE OF OPERATION				
STALL				LANDING TRAFFIC PATTERN-CIRCLING				
PROBABLE CAUSE								
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED								
FACTOR								
WEATHER - UNFAVORABLE WIND CONDITIONS								
WEATHER BRIEFING - NO BRIEFING RECEIVED								
REMARKS- WINDS GUSTING TO 15 KTS. VARIABLE.								
2-0530	8/30/67 TIME - 0830	LAS VEGAS, N.MEX	NIGHTENGALFEW-2 N-141W DAMAGE -DESTROYED	CR- PX-	1 0	0 0	0 0	NONCOMMERCIAL PLEASURE COMMERCIAL, AGE 42, 1190 TOTAL HOURS, UNKNOWN IN TYPE.
TYPE OF ACCIDENT				PHASE OF OPERATION				
ENGINE FAILURE OR MALFUNCTION				INFLIGHT NORMAL CRUISE				
HARD LANDING				LANDING LEVEL OFF/TOUCHDOWN				
PROBABLE CAUSE								
POWERPLANT - MISCELLANEOUS - POWERPLANT FAILURE FOR UNDETERMINED REASONS								
PILOT IN COMMAND - IMPROPER LEVEL OFF								
FACTOR								
WEATHER - HIGH DENSITY ALTITUDE								
WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING								
MISCELLANEOUS ACTS, CONDITIONS - IMPROPER OPER./FAILED TO USE CARB. HEAT/DEICING EQUIP.								
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
REMARKS- MIXTURE FULL RICH, CARB. HEAT COLD. EVIDENCE OF SOME POWER AT IMPACT. OPER. CONDS. NR. MAX FOR ACFT.								

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0571	7/23/67 TIME - 1430	HUTCHINSON, KANS	BULUEY SPORT N-6376V DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 1 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 53, 1265 TOTAL HOURS, 80 IN TYPE.
TYPE OF ACCIDENT UNDERSHOOT COLLIDED WITH WIRES/POLES			PHASE OF OPERATION LANDING FINAL APPROACH LANDING FINAL APPROACH			
PROBABLE CAUSE PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
2-0648	9/16/67 TIME - 1600	PALMYRA, NY	BENSEN B8M N-538Y DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 42, UNKNOWN TOTAL HOURS, UNKNOWN IN TYPE.
TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/WATER UNCONTROLLED			PHASE OF OPERATION INFLIGHT LOW PASS INFLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- ROTOR BLADES STRUCK PROPELLER DURING FLIGHT.						
2-0673	7/10/67 TIME - 1800	ADELANTO, CALIF	UJIHARA B8M N-6550C DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 35, 6000 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED			PHASE OF OPERATION INFLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR MISCELLANEOUS ACTS, CONDITIONS - CARBON MONOXIDE POISONING REMARKS- CO LEVEL 32 PERCENT-SOURCE UNKNOWN. WIND 15K GUSTING 30K. ROLLED TO RT, WAS NEARLY INVERTED AT IMPACT						
2-0766	8/3/67 TIME - 1530	EAGLE RIVER, WIS	VOLMER VJ-22 N-7511U DAMAGE - DESTROYED	CR- 0 1 0 PX- 0 1 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 39, 385 TOTAL HOURS, 132 IN TYPE.
TYPE OF ACCIDENT TURBULENCE COLLISION WITH GROUND/WATER UNCONTROLLED			PHASE OF OPERATION TAKEOFF INITIAL CLIMB INFLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE WEATHER - UNFAVORABLE WIND CONDITIONS PILOT IN COMMAND - EXERCISED POOR JUDGMENT FACTOR MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN REMARKS- STRONG GUST INVERTED ACFT. WIND 25K GUSTING. MINIMUM PERFORMANCE ACFT NOT CERTIFIED FOR PAX.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-0770	10/22/67 TIME - 1315	LOCKPORT, ILL	BENSEN B8M N-24082 DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 54, 819 TOTAL HOURS, 99 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION			
COLLISION WITH GROUND/WATER UNCONTROLLED			LANDING FINAL APPROACH			
PROBABLE CAUSE						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION						
FACTOR						
WEATHER - UNFAVORABLE WIND CONDITIONS						
WEATHER BRIEFING - UNKNOWN						
WEATHER FORECAST - UNKNOWN						
REMARKS- WHEN ACFT CLIMBED STEEPLY PLT PUSHED STICK FORWARD. ACFT PITCHED OVER, DIVED TO RNWY. WIND 18 TO 25K.						
2-0776	9/22/67 TIME - 1500	GRINNELL, IOWA	STITS SA6-B N-4801E DAMAGE - SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 54, 207 TOTAL HOURS, 18 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION			
UNDERSHOOT			LANDING FINAL APPROACH			
COLLIDED WITH WIRES/POLES			LANDING FINAL APPROACH			
PROBABLE CAUSE						
PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE						
2-0826	9/27/67 TIME - 1130	POTTSTOWN, PA	BENSEN BMX8 N-NONE DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	PRIVATE, AGE 37, 481 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION			
ROLL OVER			LANDING POWER-ON LANDING			
PROBABLE CAUSE						
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
REMARKS- PLT HAD 12 MIN IN TYPE. LANDED IN CRAB.						
2-0840	11/5/67 TIME - 1030	CHULA VISTA, CALIF	BENSEN B8M N-7107 DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 47, 252 TOTAL HOURS, 22 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION			
MISCELLANEOUS			LANDING TRAFFIC PATTERN-CIRCLING			
COLLISION WITH GROUND/WATER UNCONTROLLED			INFLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR						
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
REMARKS- ACFT WAS OBSERVED PORPOISING IN FLIGHT, ROTOR STRUCK RUDDER AND PROP. PLT POWERED GYRO TIME-1 HR.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
2-0876	10/10/67	YUKON, OKLA	BENSEN B8M N-9171 DAMAGE - DESTROYED	CR- PX-	1 0	0 0	NONCOMMERCIAL PLEASURE	COMMERCIAL, AGE 38, 3993 TOTAL HOURS, 4 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION					
PROPELLER/ROTOR FAILURE MAIN ROTOR			INFLIGHT OTHER					
COLLISION WITH GROUND/WATER UNCONTROLLED			INFLIGHT UNCONTROLLED DESCENT					
PROBABLE CAUSE								
ROTOR ASSEMBLIES - MAIN ROTOR HEAD ASSEMBLIES								
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE								
PRODUCTION-DESIGN - POOR/INADEQUATE DESIGN								
FACTOR								
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT								
REMARKS- OFFSET GIMBAL CONTROL HEAD ALUMINUM TORQUE TUBE, 6063 T-5, FAILED. LOCAL FLIGHT AROUND AIRFIELD.								
2-0945	12/3/67	JAMUL, CALIF	HOME-BUILT BURRO N-40S DAMAGE - DESTROYED	CR- PX-	1 0	0 1	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 45, 210 TOTAL HOURS, 45 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION					
STALL SPIN			INFLIGHT BUZZING					
PROBABLE CAUSE								
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED								
MISCELLANEOUS ACTS, CONDITIONS - UNWARRENTED LOW FLYING								
2-1027	12/23/67	RIALTO, CALIF	BENSEN B8M N-1659 DAMAGE - SUBSTANTIAL	CR- PX-	0 0	0 0	NONCOMMERCIAL PLEASURE	STUDENT, AGE 31, NO TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION					
COLLISION WITH GROUND/WATER UNCONTROLLED			INFLIGHT UNCONTROLLED DESCENT					
PROBABLE CAUSE								
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED								
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS								
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL								
WEATHER - UNFAVORABLE WIND CONDITIONS								
WEATHER BRIEFING - NO BRIEFING RECEIVED								
WEATHER FORECAST - UNKNOWN								
REMARKS- PLT FAILED TO MAINTAIN AIRSPEED, ALT, DURING DOWNWIND TURN TOO CLOSE TO THE GROUND. WIND 25K, GUSTS 35								
2-1030	12/24/67	CORONA, CALIF	GLENDENING STITS N-6050C DAMAGE - DESTROYED	CR- PX-	1 0	0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 42, 831 TOTAL HOURS, 243 IN TYPE.
TYPE OF ACCIDENT			PHASE OF OPERATION					
AIRFRAME FAILURE IN FLIGHT			INFLIGHT NORMAL CRUISE					
COLLISION WITH GROUND/WATER UNCONTROLLED			INFLIGHT UNCONTROLLED DESCENT					
PROBABLE CAUSE								
PRODUCTION-DESIGN - SUBSTANDARD QUALITY CONTROL								
FLIGHT CONTROL SURFACES - HORIZONTAL STABILIZER, ATTACHMENTS								
MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE								
WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR								
FACTOR								
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT								
WEATHER BRIEFING - NO BRIEFING RECEIVED								
WEATHER FORECAST - UNKNOWN								
REMARKS- LT HORIZONTAL STABILIZER ATTACH FITTING FAILED.								

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
2-1111	9/4/67 TIME - 1140	ELDRIDGE, IOWA	MINIPLANE SMITH N-47P DAMAGE - DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 37, 708 TOTAL HOURS, 170 IN TYPE.
TYPE OF ACCIDENT STALL SPIN			PHASE OF OPERATION INFLIGHT OTHER			
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED MISSING AIRCRAFT-LATER RECOVERED REMARKS- RECOVERY DATE-9/5/67.PHASE OF FLT UNKNOWN.						
2-1151	11/12/67 TIME - 1400	OKLAHOMA CTY, OKLA	GYROCOPTER Z3-65M N-74064 DAMAGE - SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 55, 2000 TOTAL HOURS, 120 IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION INFLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPORT REMARKS- FUEL PRESSURE LOST, CAUSE NOT DETERMINED.						
3-0221	1/21/67 TIME - 1400	TAUNTON, MASS	STITS SA-6B N-6493C DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 38, 1553 TOTAL HOURS, NONE IN TYPE.
TYPE OF ACCIDENT UNDERSHOOT STALL MUSH			PHASE OF OPERATION LANDING FINAL APPROACH LANDING FINAL APPROACH			
PROBABLE CAUSE PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- PLT STALLED ACFT ABOUT 25 FT ABOVE AND 50 FT SHORT OF THE RUNWAY THRESHOLD.						
3-0321	2/1/67 TIME - 1248	ATLANTA, GA	KT. TWISTER KT-85 N-4258A DAMAGE - SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	AIRLINE TRANSPORT, AGE 50, 14790 TOTAL HOURS, 4 IN TYPE.
TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE NOSE OVER/DOWN			PHASE OF OPERATION LANDING ROLL LANDING ROLL			
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL PILOT IN COMMAND - SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND FACTOR WEATHER - UNFAVORABLE WIND CONDITIONS REMARKS- RT. QUARTERING TAIL WIND 120 DEGREES, 8 KNOTS.						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0436	2/5/67 TIME - 1100	AGUA DULCE,CALIF	CORBIN BABY A N-33778 DAMAGE -SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 50, 2287 TOTAL HOURS, 3 IN TYPE.
		TYPE OF ACCIDENT NOSE OVER/DOWN	PHASE OF OPERATION LANDING ROLL			
		PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				
3-0476	2/12/67 TIME - 1510	FORT WORTH,TEX	MORRIS KM-2 N-73867 DAMAGE -SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE	COMMERCIAL,FL.INSTR., AGE 45, 3300 TOTAL HOURS, 133 IN TYPE.
		TYPE OF ACCIDENT UNDERSHOOT COLLIDED WITH OBJECT	PHASE OF OPERATION LANDING FINAL APPROACH LANDING FINAL APPROACH			
		PROBABLE CAUSE PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE FACTOR MISCELLANEOUS - SMOKE IN COCKPIT EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT SMOKE IN COCKPIT REMARKS- ACFT STRUCK A HEDGEROW.ORIGIN OF SMOKE UNDETERMINED				
3-1215	4/16/67 TIME - 1335	LANCASTER,CALIF	BROWN-LINN A N-93169 DAMAGE -SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 38, 350 TOTAL HOURS, 80 IN TYPE.
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION STALL	PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING OTHER			
		PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - IMPROPER OPER./FAILED TO USE CARB.HEAT/DEICING EQUIP. PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPORT REMARKS- PILOT EXECUTED 180 DEGREE TURN IN ATTEMPT TO LAND ON RUNWAY.				

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1525	5/10/67 TIME - 1530	FT WORTH, TEX	CASSUTT CPJ111 N-4762S DAMAGE -DESTROYED	CR- PX-	0 0	0 0	1 0	MISCELLANEOUS TEST COMMERCIAL, AGE 39, 4850 TOTAL HOURS, 134 IN TYPE.
TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT COLLISION WITH GROUND/WATER UNCONTROLLED				PHASE OF OPERATION INFLIGHT NORMAL CRUISE INFLIGHT UNCONTROLLED DESCENT				
PROBABLE CAUSE WINGS - SPARS MISCELLANEOUS ACTS, CONDITIONS - FLUTTER PRODUCTION-DESIGN - POOR/INADEQUATE DESIGN FACTOR MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT REMARKS- RIGHT WING FAILED. POOR GLUE BONDING ON SPAR. NEWLY INSTALLED WING LIGHTER AND THINNER THAN ORIG WG.								
3-1609	5/21/67 TIME - 1500	CONCORD, CALIF	PITTS SC-1 N-2703B DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE PRIVATE, AGE 53, 863 TOTAL HOURS, 21 IN TYPE.
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN				PHASE OF OPERATION INFLIGHT NORMAL CRUISE LANDING ROLL				
PROBABLE CAUSE POWERPLANT - ENGINE STRUCTURE - CRANKSHAFT MISCELLANEOUS ACTS, CONDITIONS - IMPROPER CLEARANCE-TOLERANCE MAINTENANCE, SERVICING, INSPECTION - INADEQUATE MAINTENANCE AND INSPECTION FACTOR TERRAIN - HIGH VEGETATION EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- CRANKSHAFT SEIZED IN CRANKCASE. PLT LANDED IN OAT FIELD.								
3-2147	6/25/67 TIME - 1125	PHILLIPSBURG, OHIO	MONG SPORT MS-2 N-570A DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE PRIVATE, AGE 40, 3000 TOTAL HOURS, 125 IN TYPE.
TYPE OF ACCIDENT NOSE OVER/DOWN				PHASE OF OPERATION LANDING ROLL				
PROBABLE CAUSE PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN AIRPORT SUPERVISORY PERSONNEL - IMPROPER MAINTENANCE-AIRPORT FACILITIES AIRPORT SUPERVISORY PERSONNEL - FAILURE TO NOTIFY OF UNSAFE CONDITION REMARKS- GRASS 3-1/2 FEET HI GROWING ON RNNY.								



## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2363	7/16/67 TIME - 1630	MINERSVILLE, PA	CCUGAR I N-1112Y DAMAGE -SUBSTANTIAL	CR- 0 PX- 0	0 0 0 0	1 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 37, 620 TOTAL HOURS, 25 IN TYPE.
		TYPE OF ACCIDENT			PHASE OF OPERATION			
		MISCELLANEOUS			LANDING FINAL APPROACH			
		COLLISION WITH GROUND/WATER UNCONTROLLED			LANDING OTHER			
		PROBABLE CAUSE						
		PRODUCTION-DESIGN - SUBSTANDARD QUALITY CONTROL						
		FLIGHT CONTROL SURFACES - HORIZONTAL STABILIZER, ATTACHMENTS						
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
		MISCELLANEOUS ACTS, CONDITIONS - POOR WELD						
		REMARKS- ELEVATOR CONTROL HORN FAILED ADJACENT TO WELD, PLT UNABLE TO FLARE ACFT FOR LDG.						
3-2586	7/27/67 TIME - 0840	NEWTON, CONN	CORBIN ACE D N-8751R DAMAGE -SUBSTANTIAL	CR- 0 PX- 0	0 0 0 0	1 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 20, 120 TOTAL HOURS, 12 IN TYPE.
		TYPE OF ACCIDENT			PHASE OF OPERATION			
		NOSE OVER/DOWN			LANDING ROLL			
		PROBABLE CAUSE						
		PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
		PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN						
		TERRAIN - HIGH VEGETATION						
		EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT						
		LOW ON FUEL						
		REMARKS- TALL GRASS.						
3-2623	8/4/67 TIME - 1100	MONROEVILLE, PA	EAA B-2 N-1119B DAMAGE -SUBSTANTIAL	CR- 0 PX- 0	0 0 0 0	1 0	NONCOMMERCIAL PLEASURE	COMMERCIAL, AGE 47, 1692 TOTAL HOURS, 1 IN TYPE.
		TYPE OF ACCIDENT			PHASE OF OPERATION			
		GEAR COLLAPSED			LANDING LEVEL OFF/TOUCHDOWN			
		PROBABLE CAUSE						
		LANDING GEAR - MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC.						
		MISCELLANEOUS ACTS, CONDITIONS - IMPROPER CLEARANCE-TOLERANCE						
		PRODUCTION-DESIGN - POOR/INADEQUATE DESIGN						
		REMARKS- LOWER LEFT LNDG GEAR STRUT FAILED AT ATTACH POINT. MATERIAL OF INSUFFICIENT STRENGTH.						
3-2645	7/30/67 TIME - 1000	BELVIDERE, ILL	LODE 101 N-7569U DAMAGE -SUBSTANTIAL	CR- 0 PX- 0	0 0 0 0	1 0	NONCOMMERCIAL PLEASURE	COMMERCIAL, AGE 52, 1100 TOTAL HOURS, 1 IN TYPE.
		TYPE OF ACCIDENT			PHASE OF OPERATION			
		ENGINE FAILURE OR MALFUNCTION			INFLIGHT NORMAL CRUISE			
		HARD LANDING			LANDING LEVEL OFF/TOUCHDOWN			
		PROBABLE CAUSE						
		POWERPLANT - MISCELLANEOUS - POWERPLANT FAILURE FOR UNDETERMINED REASONS						
		PILOT IN COMMAND - IMPROPER LEVEL OFF						
		EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT						

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2708	8/12/67 TIME - 1110	HERSHEY, PA	CHEROKEE II N-10342 DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 32, 40 TOTAL HOURS, 5 IN TYPE.
TYPE OF ACCIDENT STALL			PHASE OF OPERATION TAKEOFF INITIAL CLIMB						
PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - PREMATURE LIFT-OFF REMARKS- PORPOISED ON TAKEOFF.									
3-2764	6/24/67 TIME - 1910	STAUNTON,VA	STITS SA-3 N-7798C DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE	PRIVATE, AGE 22, 125 TOTAL HOURS, 2 IN TYPE.
TYPE OF ACCIDENT COLLIDED WITH FENCE,FENCEPOSTS			PHASE OF OPERATION TAKEOFF INITIAL CLIMB						
PROBABLE CAUSE PILOT IN COMMAND - FAILED TO ABORT TAKEOFF PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR TERRAIN - ROUGH/UNEVEN									
3-3391	9/20/67 TIME - 0930	RENO,NEV	SMITH MINI N-1042Z DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE	COMMERCIAL, AGE 28, 600 TOTAL HOURS, 130 IN TYPE.
TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN						
PROBABLE CAUSE PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS FACTOR LANDING GEAR - WHEELS,TIRES,AXLES REMARKS- TAIL WHEEL TIRE CAME OFF ON LNDG ROLL.									
3-3732	9/2/67 TIME - 0900	OWATONNA,MINN	STITS SA38 N-1079Z DAMAGE -SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	MISCELLANEOUS TEST	PRIVATE, AGE 29, 232 TOTAL HOURS, 27 IN TYPE.
TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE NOSE OVER/DOWN			PHASE OF OPERATION LANDING ROLL LANDING ROLL						
PROBABLE CAUSE LANDING GEAR - NOSEWHEEL STEERING MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE FACTOR MISCELLANEOUS ACTS,CONDITIONS - POOR WELD REMARKS- FAILURE PEDAL TORQUE TUBE ATTACHED TO N STEERING BROKEN WELDS ON BRACE TUBES FROM E.MOUNT TO GEAR.									

## BRIEFS OF ACCIDENTS

DOCKET	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3786	10/22/67	ANOKA, MINN	THORP T-18	CR-	0	0	1	NONCOMMERCIAL	PRIVATE, AGE 33, 253 TOTAL
	TIME - 1644		N-18117	PX-	0	0	1	PLEASURE	HOURS, 65 IN TYPE.
			DAMAGE -SUBSTANTIAL						
			TYPE OF ACCIDENT						
			ENGINE FAILURE OR MALFUNCTION						
			COLLIDED WITH WIRES/POLES						
			PHASE OF OPERATION						
			INFLIGHT NORMAL CRUISE						
			LANDING FINAL APPROACH						
			PROBABLE CAUSE						
			PILOT IN COMMAND - SPCNTANEOUS-IMPROPER ACTION						
			PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS						
			MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION						
			FACTOR						
			ELECTRICAL SYSTEM - BATTERIES						
			MISCELLANEOUS ACTS, CONDITIONS - LOW FLUID LEVEL						
			EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
			REMARKS- PLT CUT MIXTURE CONTROL. AIRSTART UNSUCCESSFUL.						
3-3970	8/3/67	BONNER SPRGS, KANS	STITS SA3D	CR-	0	0	1	NONCOMMERCIAL	PRIVATE, AGE 49, 300 TOTAL
	TIME - 1030		N-6103U	PX-	0	0	1	PLEASURE	HOURS, 13 IN TYPE.
			DAMAGE -SUBSTANTIAL						
			TYPE OF ACCIDENT						
			OVERSHOOT						
			COLLIDED WITH DITCHES						
			PHASE OF OPERATION						
			LANDING LEVEL OFF/TOUCHDOWN						
			TAKEOFF ABORTED						
			PROBABLE CAUSE						
			PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED						
			PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND						
			REMARKS- PLT ABORTED LATE GOAROUND ATTEMPT.						
3-4335	12/7/67	SPANISH FORK, UT	MGIT MUSTNGM1	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 37, 2000
	TIME - 1500		N-41158	PX-	0	0	0	PLEASURE	TOTAL HOURS, 50 IN TYPE.
			DAMAGE -SUBSTANTIAL						
			TYPE OF ACCIDENT						
			COLLIDED WITH SNOWBANK						
			PHASE OF OPERATION						
			LANDING ROLL						
			PROBABLE CAUSE						
			AIRPORT CONDITIONS - ICE/SLUSH ON RUNWAY						
			AIRPORT SUPERVISORY PERSONNEL - IMPROPER/INADEQUATE SNOW REMOVAL						
3-4760	12/10/67	CHANDLER, ARIZ	LOVINGS LOVE B	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 35, 1200
	TIME - 0830		N-15R	PX-	0	0	0	PLEASURE	TOTAL HOURS, 1 IN TYPE.
			DAMAGE -SUBSTANTIAL						
			TYPE OF ACCIDENT						
			HARD LANDING						
			PHASE OF OPERATION						
			LANDING LEVEL OFF/TOUCHDOWN						
			PROBABLE CAUSE						
			PILOT IN COMMAND - IMPROPER LEVEL OFF						
			FACTOR						
			PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
			REMARKS- DAMAGED WINGS AND FUSELAGE.						





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