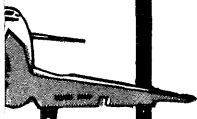
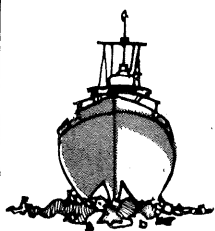
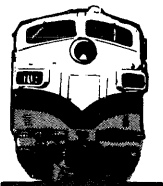


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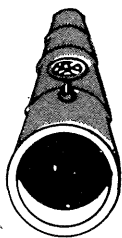


## BRIEFS OF ACCIDENTS INVOLVING AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977

AMM-78-20 c.1

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## FOREWORD

This report contains U.S. General Aviation accident Briefs involving amateur/home built aircraft arranged in state and date order. In addition, this publication includes several statistical tables which tabulate and summarize selected accident information, such as type of accident, phase of operation, injuries, cause/factors and pilot certificates.

In 1977, U.S. amateur/home built aircraft were involved in 106 accidents, 21 of which were fatal. In comparison, the entire General Aviation fleet incurred 4,286 total accidents and 702 fatal accidents.

The enclosed computer briefs are the reports of the National Transportation Safety Board and thereby subject to the limitations of 49 USC 1441(e) which states:

"No part of any report or reports of the Board, relating to any accident or the investigation thereof, shall be admitted as evidence or used in any suit or action for damages growing out of any matter mentioned in such report or reports."

In reading these reports, it should be borne in mind that they are produced directly from coded records on magnetic tape by electronic data processing equipment. Also, in reading the text, it must be borne in mind that computer language is utilized, thus requiring a number of abbreviations due to spacing limitations. Caution should be exercised in reading the Briefs of Accidents, especially those containing abbreviations in phrases and sentences.

Collisions between aircraft are treated as one accident. A coded analysis is done on each aircraft involved in a collision. This produces two aircraft accident records per accident. Consequently, when compiling information on accidents involving collisions between aircraft, the number of accident records will exceed the number of accidents.

The Briefs of Accidents contain the essential information which fulfill most requirements of persons using these reports. However, for those having a need for more detailed information, the original factual reports are on file in the Washington Office of the National Transportation Safety Board. Upon request, these reports will be reproduced commercially for a fee to cover reproduction and postage. The cost will be assessed per printed page and photograph(s) reproduced.

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## EXPLANATORY NOTES

### U.S. GENERAL AVIATION

U.S. general aviation refers to the operations of U.S. civil aircraft owned and operated by persons, businesses, corporations, etc., excluding the operations of U.S. air carriers.

### U.S. AIR CARRIER

U.S. air carrier operations include the following three operational categories: 1) certificated route air carriers 2) supplemental air carriers and 3) commercial operators of large aircraft.

### DEFINITIONS

The following definitions contained in CFR 49, Part 830, paragraph 830.2 apply when used in this publication.

#### Aircraft Accident

An occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, and in which any person suffers death or serious injury as a result of being in or upon the aircraft or by direct contact with the aircraft or anything attached thereto, or in which the aircraft receives substantial damage.

#### Fatal Injury

Any injury which results in death within 7 days of the accident.

#### Serious Injury

Any injury which 1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; 2) results in a fracture of any bone (except simple fractures of fingers, toes, or nose); 3) involves lacerations which cause severe hemorrhages, nerve, muscle, or tendon damage; 4) involves injury to any internal organ; or 5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

#### Substantial Damage

1) Except as provided in subparagraph (2) of this paragraph, substantial damage means damage or structural failure which adversely affects the structural strength, performance, or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component.  
2) Engine failure, damage limited to an engine, bent fairings or cowlings, dented skin, small punctured holes in the skin or fabric, ground damage to rotor or propeller blades, damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wingtips are not considered "substantial damage" for the purpose of this part.

## EXPLANATORY NOTES

### INJURY INDEX

Injury index refers to the highest degree of personal injury sustained as a result of the accident.

### TYPE OF ACCIDENT

Type of accident relates to the immediate circumstances of the occurrence. Many accidents involve a series of circumstances and therefore require a second type to more fully describe the sequence of events. Some examples of types of accidents are as follows:

#### Gear Collapsed

Collapse of the landing gear due to mechanical failure other than malfunction of the retracting mechanism.

#### Gear Retracted

Retraction of the landing gear due to malfunction or failure of the retracting mechanism or to inadvertent retraction by the crew. Excludes intentional gear retraction and wheels-up landing.

#### Airframe Failure

Occurrences resulting from failure of any part of the airframe while in flight or in motion on the ground. Excludes failure resulting from contact with another airplane or object, or impact with the ground, or damage from landing gear collapse or retraction.

#### Engine Failure/Malfunction

Occurrences of engine failure or malfunction for any reason. Includes engine stoppage, power interruption, or power loss, actual or simulated.

### 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.

### KIND OF FLYING

Refers to the purpose for which the aircraft is being operated at the time of the accident. There are four broad categories of kind of flying.

#### 1. Instructional Flying

Refers to flying accomplished in supervised training under the direction of an accredited instructor.



## EXPLANATORY NOTES

### KIND OF FLYING

#### 2. Noncommercial Flying

Refers to the use of an aircraft for purposes of pleasure, personal transportation or in connection with a private business, in corporate/executive operations, and in other operations, wherein there is no direct monetary fee charged. It includes the following categories.

##### Pleasure

Flying by individuals in their own or rented aircraft for pleasure, or personal transportation not in furtherance of their occupation or company business.

##### Business

The use of aircraft by pilots (not receiving direct salary or compensation for piloting) in connection with their occupation or in the furtherance of a private business.

##### Corporate/Executive Operations

The use of aircraft owned or leased, and operated by a corporation or business firm for the transportation of personnel or cargo in furtherance of the corporation's or firm's business, and which are flown by professional pilots receiving a direct salary or compensation for piloting.

#### 3. Commercial Flying

Commercial flying includes all general aviation flying normally conducted for direct financial return, except instructional flying. It includes air taxi operations, aerial application, fire control, aerial mapping or photography, aerial advertising, power/pipeline patrol and fish spotting.

#### 4. Miscellaneous Flying

Includes other kinds of flying not covered under the other three broad categories. In some instances the criterion of direct financial return may or may not be present.

### COLLISION BETWEEN AIRCRAFT

Collisions between aircraft are so classified only when both aircraft are occupied. This includes collisions wherein both aircraft are airborne (midair); one is airborne, the other on the ground; and both are on the ground. A collision with a parked, unoccupied aircraft is classified under the broad category of collision with objects (parked, unoccupied aircraft).

## EXPLANATORY NOTES

### CAUSES AND RELATED FACTORS

In determining probable cause(s) of an accident, all facts, conditions, and circumstances are considered. The object is to ascertain those cause-effect relationships in the accident sequence about which something can be done to prevent recurrence of the type of accident under consideration. Accordingly, 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 denote 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 categorized elsewhere in the system.

### AIRCRAFT WEIGHT CATEGORIES

The International Civil Aviation Organization's categories of aircraft weight are utilized to classify accident data as follows:

0 -	2,250 kilograms	(0 -	4,960 pounds)
2,251 -	5,700 kilograms	(4,961 -	12,565 pounds)
5,701 -	27,000 kilograms	(12,566 -	59,525 pounds)
27,001 -	272,000 kilograms	(59,526 -	599,650 pounds)
272,001 -	kilograms and greater	(599,651 pounds and greater)	

### SMALL FIXED-WING AIRCRAFT

Fixed-wing aircraft which have a maximum gross takeoff weight of 5700 kilograms (12,565 pounds), or less.

### LARGE FIXED-WING AIRCRAFT

Fixed-Wing aircraft which have a maximum takeoff weight greater than 5,700 kilograms (12,565 pounds).

### ROTORCRAFT

Aircraft which in all usual flight attitudes are supported in the air wholly or in part by a rotor or rotors; i.e., by airfoils rotating or revolving about an axis.

### TYPES OF WEATHER CONDITIONS

The types of weather conditions (VFR/IFR) are determined in accordance with the prescribed minima in Part 91 of the Federal Aviation Regulations. These minima pertain to the ceiling and visibility, in conjunction with the type of airspace, at the accident site. Type of weather conditions are based on surface weather as determined from officially recognized sources. Weather conditions encountered in flight are not necessarily representative of the classifications VFR/IFR as carried under Type of Weather Conditions.

# LIST OF ABBREVIATIONS USED IN BRIEFS

ABBREVIATION	MEANING
AERIAL ADVERTISE	AERIAL ADVERTISING
ATR, FLIGHT INSTR.	AIRLINE TRANSPORT INSTRUCTOR
AIR SHOW/RACING	AIR SHOW/AIR RACING
AIR TAXI-CARGO	AIR TAXI-CARGO OPERATIONS
AIR TAXI-PASSG	AIR TAXI-PASSENGER OPERATIONS
APPROACH CTL-DEPARTURE	APPROACH CONTROL-DEPARTURE
APR CTL-TOW ENRT CTL SRV	APPROACH CONTROL-TOWER EN ROUTE CONTROL SERVICE
ASSOC CROP CTL ACTIVITIES	ASSOCIATED CROP CONTROL ACTIVITIES
ASSOC FIRE CTL ACTIVITIES	ASSOCIATED FIRE CONTROL ACTIVITIES
COMMERCIAL, FLIGHT INSTR.	COMMERCIAL FLIGHT INSTRUCTOR
CORP/EXEC	CORPORATION/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
LAST ENROUTE STOP	LAST PLANNED EN ROUTE LANDING POINT
MAPPING/PHOTO	AERIAL MAPPING/PHOTOGRAPHY
MIL CONTRACT CARGO INTL	MILITARY CONTRACT-CARGO-INTERNATIONAL
MIL CONTRACT PASSG INTL	MILITARY CONTRACT-PASSENGER-INTERNATIONAL
MILITARY CTR CARGO DOM	MILITARY CONTRACT-CARGO-DOMESTIC
MILITARY CTR PASSG DOM	MILITARY CONTRACT-PASSENGER-DOMESTIC
MIL/CTR CARGO	MILITARY CONTRACT-CARGO
MIL/CTR PASSG	MILITARY CONTRACT-PASSENGER
NR.	NEAR
NS CTR CARGO	NONSCHEDULED/CHARTER REVENUE CARGO-INTRA-STATE
NS CTR PASSG	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE
NS/CTR REVENUE CARGO DOM	NONSCHEDULED/CHARTER REVENUE CARGO-DOMESTIC
NS/CTR REVENUE CARGO INTL	NONSCHEDULED/CHARTER REVENUE CARGO-INTERNATIONAL
NS/CTR REVENUE PASSG DOM	NONSCHEDULED/CHARTER REVENUE PASSENGER-DOMESTIC
NS/CTR REVENUE PASSG INTL	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTERNATIONAL
OT-	OTHER AIRCRAFT AND GROUND
PARAJUMP	PARACHUTE JUMP
PRIVATE, FL. INSTR.	PRIVATE FLIGHT INSTRUCTOR
PX-	PASSENGERS
RADAR CTL/SURVEILLANCE	RADAR CONTROL/SURVEILLANCE
SCHED CARGO SRV	SCHEDULED CARGO SERVICE
SCHED DOM CARGO SRV	SCHEDULED DOMESTIC CARGO SERVICE
SCHED DOM PASSG SRV	SCHEDULED DOMESTIC PASSENGER SERVICE
SCHED INTERNATL CARGO SRV	SCHEDULED INTERNATIONAL CARGO SERVICE
SCHED INTERNATL PASSG SRV	SCHEDULED INTERNATIONAL PASSENGER SERVICE
SCHED PASSG SRV	SCHEDULED PASSENGER SERVICE
S-D	SCHEDULED-DOMESTIC
S-I	SCHEDULED-INTERNATIONAL
UNK/NR	UNKNOWN/NOT REPORTED



INJURIES, ACCIDENTS  
U.S. GENERAL AVIATION  
AMATEUR/HOME BUILT AIRCRAFT  
1977

		INJURIES						
		FATAL	SERIOUS	MINOR	NONE	UNKNOWN	TOTAL	
PILOT		19	23	17	47		106	
COPILOT		1	1				2	
DUAL STUDENT								
CHECK PILOT								
FLIGHT ENGINEER								
NAVIGATOR								
CABIN ATTENDANT								
EXTRA CREW								
PASSENGERS		4	2	2	10		18	
TOTAL		24	26	19	57		126	ABOARD
* OTHER AIRCRAFT		1			2		3	
OTHER GROUND								
GRAND TOTAL		25	26	19	59		129	

INVOLVES 106 TOTAL ACCIDENTS  
INVOLVES 21 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

ANALYTIC TABLE  
HOURS IN TYPE BY PILOT CERTIFICATE

PILOT CERTIFICATE

HOURS IN TYPE	STUDENT	PRIVATE	COMMERCIAL	ATR	COMMERCIAL/ FL. INSTR. ATR / FL. INSTR. OTHER	NONE	UNKNOWN/ NOT REPORTED	RECORDS	ACCIDENTS	PERCENT
NONE	1	5	3		1	1		11	11	10.38
1 - 5		7	6		2			15	15	14.15
6 - 25	3	7	7	1	2			20	20	18.87
26 - 50	1	5	2	1				9	9	8.49
51 - 100	2	10	5		1	1		19	19	17.92
101 - 300	1	11	4		2			18	18	16.98
301 - 500	1	2	1					4	4	3.77
501 - 1000		1						1	1	.94
1001 - 2000			1					1	1	.94
2001 - 3000										
+ 3000										
UNKNOWN/ NOT REPORTED	1	4	2		1			8	8	7.55
OTHER										
RECORDS	10	52	31	2	8	3		106		
ACCIDENTS	10	52	31	2	8	3			106	
PERCENTS	9.4	49.1	29.2	1.9	7.5	2.8	.0	.0	.0	

# ANALYTIC TABLE

## KIND OF FLYING BY PILOT CERTIFICATE

<u>KIND OF FLYING</u>	<u>PILOT CERTIFICATE</u>								<u>RECORDS</u>	<u>ACCIDENTS</u>	<u>PERCENT</u>
	<u>STUDENT</u>	<u>PRIVATE</u>	<u>COMMERCIAL</u>	<u>ATR</u>	<u>PRIVATE/ FL. INSTR.</u>	<u>COMMERCIAL/ FL. INSTR.</u>	<u>ATR/ FL. INSTR.</u>	<u>OTHER</u>			
<u>INSTRUCTIONAL</u>											
DUAL											
SOLO											
CHECK											
TRAINING	1								1	1	.94
<u>NONCOMMERCIAL</u>											
PLEASURE	6	40	20	2	3	2			73	73	68.87
PRACTICE	2	3	2		1				8	8	7.55
BUSINESS											
CORPORATE/EXECUTIVE											
AERIAL SURVEY											
COMPANY FLIGHT											
OTHER											
<u>COMMERCIAL</u>											
AERIAL APPLICATION											
CROP CONTROL RELATED FLIGHT											
FIRE CONTROL											
FIRE CONTROL RELATED FLIGHT											
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											
INTRA-STATE CHARTER PASSG.											
INTRA-STATE CHARTER CARGO.											
MILITARY CONTRACT-PASSENGER											
MILITARY CONTRACT-CARGO											
CHARTER CARGO-DOMESTIC											
CHARTER PASSG-DOMESTIC											
CHARTER-CARGO-INTERNATIONAL											
CHARTER-PASSG-INTERNATIONAL											
OTHER											
UNKNOWN/NOT REPORTED											

# ANALYTIC TABLE

## KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE										RECORDS	ACCIDENTS	PERCENT
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED			
MISCELLANEOUS													
EXPERIMENTATION			2		1						3	3	2.83
TEST	1	4	4		1						10	10	9.43
DEMONSTRATION			1								1	1	.94
FERRY		3			3						6	6	5.66
SEARCH AND RESCUE													
AIR SHOW/AIR RACING		1	2								3	3	2.83
PARACHUTE JUMP													
PARACHUTE JUMP-AIR SHOW													
TOWING GLIDERS													
SEEDING CLOUDS													
HUNTING													
POLICE PATROL													
HIGHWAY TRAFFIC ADVISORY													
ALL OTHER PUBLIC FLYING													
OTHER		1									1	1	.94
UNKNOWN/NOT REPORTED													
RECORDS	10	52	31	2	8	3					106		
ACCIDENTS	10	52	31	2	8	3						106	
PERCENTS	9.4	49.1	29.2	1.9	.0	7.5	2.8	.0	.0	.0			



# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

### AIRCRAFT DAMAGE

#### FIRST TYPE OF ACCIDENT

DESTROYED  
SUBSTANTIAL  
MINOR  
NONE

RECORDS ACCIDENTS PERCENT

GROUND-WATER LOOP-SWERVE	7		7	7	6.60
DAGGED WINGTIP POD OR FLOAT					
WHEELS-UP LANDING					
WHEELS-DOWN LANDING IN WATER	1		1	1	.94
GEAR COLLAPSED	3		3	3	2.83
GEAR RETRACTED					
HARD LANDING	4	1	5	5	4.72
NOSE OVER/DOWN	4		4	4	3.77
ROLL OVER					
OVERSHOOT	2		2	2	1.89
UNDERSHOOT	3		3	3	2.83
<u>COLLISION BETWEEN AIRCRAFT</u>					
BOTH IN FLIGHT	1	1	2	2	1.89
ONE AIRBORNE					
BOTH ON GROUND					
<u>COLLISION WITH GROUND/WATER</u>					
CONTROLLED	3		3	3	2.83
UNCONTROLLED	10	3	13	13	12.26
<u>COLLIDED WITH</u>					
WIRES/POLES	2	2	4	4	3.77
TREES	1	2	3	3	2.83
RESIDENCE/S					
BUILDING/S					
FENCE, FENCEPOSTS					
ELECTRONIC TOWERS					
RUNWAY OR APPROACH LIGHTS					
AIRPORT HAZARD					
ANIMALS	1		1	1	.94
CROP					
FLAGMAN LOADER					
DITCHES					
SNOWBANK					
PARKED AIRCRAFT. (UNATTENDED)					
AUTOMOBILE					
DIRT BANK					
OTHER					
BIRD STRIKE					

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS	PERCENT
	DESTROYED	SUBSTANTIAL	MINOR	NONE			
<u>STALL</u>	3	1			4	4	3.77
SPIN	5	1			6	6	5.66
SPIRAL							
MUSH	1	2			3	3	2.83
<u>FIRE OR EXPLOSION</u>							
IN FLIGHT							
ON GROUND							
<u>AIRFRAME FAILURE</u>							
IN FLIGHT	4				4	4	3.77
ON GROUND		1			1	1	.94
ENGINE TEARAWAY							
ENGINE FAILURE OR MALFUNCTION	6	27			33	33	31.13
<u>PROPELLER/ROTOR FAILURE</u>							
PROPELLER		3			3	3	2.83
TAIL ROTOR							
MAIN ROTOR							
PROP ROTOR ACNT TO PERSON							
JET INTAKE/EXH ACNT TO PERS							
PROPELLER/JET/ROTOR BLAST							
TURBULENCE							
HAIL DAMAGE TO AIRCRAFT							
LIGHTNING STRIKE							
EVASIVE MANEUVER							
UNCONTROLLED ALT DEVIATION							
DITCHING							
MISSING ACFT NOT RECOVERED							
MISCELLANEOUS/OTHER	1				1	1	.94
UNDETERMINED							
RECORDS	37	67	2		106		
ACCIDENTS	37	67	2			106	
PERCENTS	34.9	63.2	1.9	.0			

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
<u>STATIC</u>							
STARTING ENGINE/S							
IDLING ENGINE/S							
ENGINE RUNUP							
IDLING ROTORS							
PARKED-ENGINES NOT OPERATING							
OTHER							
<u>TAXI</u>							
TO TAKEOFF							
FROM LANDING							
OTHER				1	1	1	.94
GROUND TAXI TO TAKEOFF							
GROUND TAXI FROM LANDING			1		1	1	.94
GROUND TAXI, OTHER							
AERIAL TAXI TO TAKEOFF							
AERIAL TAXI TO/FROM LANDING							
AERIAL TAXI, OTHER							
<u>TAKEOFF</u>							
RUN			1	4	5	5	4.72
INITIAL CLIMB	2	10	3	5	20	20	18.87
VERTICAL							
RUNNING (ROTORCRAFT/VTOL-STOL)							
ABORTED (FIXED-WING)							
ABORTED (ROTORCRAFT/VTOL)							
ABORTED (ROTORCRAFT/STOL)							
OTHER							
<u>INFLIGHT</u>							
CLIMB TO CRUISE			1		1	1	.94
NORMAL CRUISE	3	1	4	7	15	15	14.15
DESCENDING	1	1		2	4	4	3.77
HOLDING (IFR)							
HOVERING							
POWER-ON DESCENT (ROTORCRAFT)							
AUTOROTATIVE DESCENT							
ACROBATICS	6			4	10	10	9.43
BUZZING		1			1	1	.94
UNCONTROLLED DESCENT	2		1		3	3	2.83

# 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							
OTHER	2	1	3	1	7	7	6.60
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							
<u>LANDING</u>							
TRAFFIC PATTERN-CIRCLING	3	3		2	8	8	7.55
FINAL APPROACH (VFR)		2	1	6	9	9	8.49
INITIAL APPROACH							
FINAL APPROACH (IFR)							
LEVEL OFF/TOUCHDOWN		1	3	7	11	11	10.38
ROLL (FIXED WING)				7	7	7	6.60
ROLL-ON/RUN-ON (ROTORCRAFT)							
POWER-ON LANDING (ROTORCRAFT)							
POWER-OFF AUTOROTATIVE LDG							
GO-AROUND (VFR)		1			1	1	.94
MISSED APPROACH (IFR)							
OTHER							
	2				2	2	1.89
RECORDS	21	22	17	46	106		
ACCIDENTS	21	22	17	46		106	
PERCENTS	19.8	20.8	16.0	43.4			

CAUSE/FACTOR TABLE  
AMATEUR/HOME BUILT AIRCRAFT  
 U.S. GENERAL AVIATION ACCIDENTS  
 1977  
 (EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 106 TOTAL ACCIDENTS

INVOLVES 21 FATAL ACCIDENTS

PAGE 9

BROAD CAUSE/FACTOR -----	FATAL ACCIDENTS -----			NONFATAL ACCIDENTS -----			ALL ACCIDENTS -----		
	CAUSE -----	FACTOR -----	TOTAL* -----	CAUSE -----	FACTOR -----	TOTAL* -----	CAUSE -----	FACTOR -----	TOTAL* -----
PILOT	14 66.67	2 9.52	15 71.43	56 65.88	7 8.24	56 65.88	70 66.04	9 8.49	71 66.98
PERSONNEL	2 9.52	1 4.76	3 14.29	10 11.76	1 1.18	11 12.94	12 11.32	2 1.89	14 13.21
AIRFRAME	2 9.52	1 4.76	3 14.29	1 1.18	1 1.18	2 2.35	3 2.83	2 1.89	5 4.72
LANDING GEAR	.00	.00	.00	5 5.88	.00	5 5.88	5 4.72	.00	5 4.72
POWERPLANT	1 4.76	.00	1 4.76	18 21.18	1 1.18	19 22.35	19 17.92	1 .94	20 18.87
SYSTEMS	.00	.00	.00	1 1.18	.00	1 1.18	1 .94	.00	1 .94
INSTRUMENTS/EQUIPMENT & ACCESSORIES	.00	.00	.00	.00	1 1.18	1 1.18	.00	1 .94	1 .94
ROTORCRAFT	1 4.76	.00	1 4.76	.00	.00	.00	1 .94	.00	1 .94
AIRPORT/AIRWAYS/FACILITIES	.00	.00	.00	.00	4 4.71	4 4.71	.00	4 3.77	4 3.77
WEATHER	.00	1 4.76	1 4.76	1 1.18	13 15.29	14 16.47	1 .94	14 13.21	15 14.15
TERRAIN	1 4.76	.00	1 4.76	7 8.24	17 20.00	24 28.24	8 7.55	17 16.04	25 23.58
MISCELLANEOUS	.00	.00	.00	5 5.88	1 1.18	6 7.06	5 4.72	1 .94	6 5.66
UNDETERMINED	4 19.05	.00	4 19.05	4 4.71	.00	4 4.71	8 7.55	.00	8 7.55

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 ACCIDENTS  
 1977  
 (EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 106 TOTAL ACCIDENTS

INVOLVES 21 FATAL ACCIDENTS

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **									
PILOT IN COMMAND									
ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT				1		1	1		1
BECAME LOST/DISORIENTED				1		1	1		1
CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS				1		1	1		1
DELAYED IN INITIATING GO-AROUND					1	1		1	1
FAILED TO RETRACT LANDING GEAR				1		1	1		1
FAILED TO SEE AND AVOID OTHER AIRCRAFT	1		1	1		1	2		2
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	1		1	4		4	5		5
FAILED TO OBTAIN/MAINTAIN FLYING SPEED	4		4	13		13	17		17
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT				1		1	1		1
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS				3		3	3		3
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				1		1	1		1
IMPROPER OPERATION OF FLIGHT CONTROLS	4		4	5		5	9		9
PREMATURE LIFT OFF				2		2	2		2
IMPROPER LEVEL OFF				5		5	5		5
IMPROPER IN-FLIGHT DECISIONS OR PLANNING				1		1	1		1
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	1		1	7		7	8		8
LACK OF FAMILIARITY WITH AIRCRAFT	1		1	5	7	12	6	7	13
MISMANAGEMENT OF FUEL	1		1	6		6	7		7
EXERCISED POOR JUDGMENT	1		1				1		1
SELECTED UNSUITABLE TERRAIN				5		5	5		5
MISJUDGED DISTANCE, SPEED, AND ALTITUDE				1		1	1		1
MISJUDGED DISTANCE AND SPEED				2		2	2		2
MISJUDGED DISTANCE				1		1	1		1
MISJUDGED DISTANCE AND ALTITUDE				3		3	3		3
MISJUDGED SPEED				1		1	1		1
MISJUDGED ALTITUDE	4		4				4		4
IMPROPER RECOVERY FROM BOUNCED LANDING				2		2	2		2
PHYSICAL IMPAIRMENT		2	2					2	2
FAILED TO MAINTAIN DIRECTIONAL CONTROL				6		6	6		6
SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND				1		1	1		1
FAILED TO ABORT TAKEOFF				2		2	2		2
FAILED TO INITIATE GO-AROUND				2		2	2		2
SUBTOTAL	18	2	20	84	8	92	102	10	112
COPILOT									
FAILURE TO RELINQUISH CONTROL	1		1				1		1
SUBTOTAL	1		1				1		1
** PERSONNEL **									
FLIGHT INSTRUCTOR									
MAINTENANCE, SERVICING, INSPECTION									
IMPROPERLY SERVICED AIRCRAFT (OWNER-PILOT)				1		1	1		1
INADEQUATE MAINTENANCE AND INSPECTION	2		2	2	1	3	4	1	5
OPERATIONAL SUPERVISORY PERSONNEL									
WEATHER PERSONNEL									
TRAFFIC CONTROL PERSONNEL									
AIRPORT SUPERVISORY PERSONNEL									
AIRWAYS FACILITIES PERSONNEL									
PRODUCTION-DESIGN-PERSONNEL									
POOR/INADEQUATE DESIGN				3		3	3		3
OTHER				2		2	2		2
MISCELLANEOUS-PERSONNEL									
PILOT OF OTHER AIRCRAFT				1		1	1		1
OTHER		1	1	1		1	1	1	2
THIRD PILOT									
FLIGHT ENGINEER									

## CAUSE/FACTOR TABLE

## PERSONNEL (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
FLIGHT PERSONNEL DISPATCHING (AIR CARRIER ONLY)									
SUBTOTAL	2	1	3	10	1	11	12	2	14
** AIRFRAME **									
WINGS									
SKIN AND ATTACHMENTS	1		1				1		1
FUSELAGE									
WINDSHIELDS, WINDOWS, CANOPIES					1	1		1	1
LANDING GEAR									
MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC				3		3	3		3
NOSEWHEEL ASSEMBLIES				1		1	1		1
GEAR LOCKING MECHANISM				1		1	1		1
FLIGHT CONTROL SURFACES									
ELEVATOR, ASSEMBLY ATTACHMENTS	1		1				1		1
RUDDER, SURFACES ATTACHMENTS		1	1					1	1
AILERON, SURFACES ATTACHMENTS				1		1	1		1
VERTICAL STABILIZER, ATTACHMENTS	1		1				1		1
SUBTOTAL	3	1	4	6	1	7	9	2	11
** POWERPLANT **									
ENGINE STRUCTURE									
MASTER AND CONNECTING RODS				1		1	1		1
PISTON, PISTON RINGS				3		3	3		3
VALVE ASSEMBLIES				2		2	2		2
IGNITION SYSTEM									
MAGNETOES				1		1	1		1
SPARK PLUG				2		2	2		2
FUEL SYSTEM									
TANKS				1		1	1		1
PUMPS				1		1	1		1
VENTS, DRAINS, TANK CAPS					1	1		1	1
OTHER				1		1	1		1
LUBRICATING SYSTEM									
COOLING SYSTEM									
PROPELLER AND ACCESSORIES									
BLADES				2		2	2		2
BLADE RETENTION MECHANISM				1		1	1		1
EXHAUST SYSTEM									
ENGINE ACCESSORIES									
ENGINE CONTROLS									
THROTTLE-POWER LEVER ASSEMBLIES				2		2	2		2
POWERPLANT-INSTRUMENTS									
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS	1		1	3		3	4		4
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	20	1	21	21	1	22
** SYSTEMS **									
ELECTRICAL SYSTEM									
HYDRAULIC SYSTEM									

## CAUSE/FACTOR TABLE

## SYSTEMS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
FLIGHT CONTROL SYSTEMS									
ANTI-ICING, DE-ICING SYSTEMS									
CARBURETOR DE-ICING SYSTEM				1		1	1		1
AIR CONDITION, HEATING AND PRESSURIZATION									
AUTO PILOT									
FIRE WARNING SYSTEM									
FIRE EXTINGUISHER SYSTEM									
OXYGEN SYSTEM									
OTHER SYSTEMS									
SUBTOTAL				1		1	1		1
** INSTRUMENTS/EQUIPMENT AND ACCESSORIES **									
FLIGHT AND NAVIGATION INSTRUMENTS									
AIRSPEED					1	1		1	1
COMMUNICATIONS AND NAVIGATION EQUIPMENT									
MISCELLANEOUS EQUIPMENT									
SUBTOTAL					1	1		1	1
** ROTORCRAFT **									
ROTOR ASSEMBLIES									
TRANSMISSION ROTOR DRIVE SYSTEM									
OTHER	1		1				1		1
FLIGHT CONTROL SYSTEMS									
MISCELLANEOUS UNITS AND ASSEMBLIES									
SUBTOTAL	1		1				1		1
** AIRPORTS/AIRWAYS/FACILITIES **									
AIRPORT FACILITIES									
AIRPORT CONDITIONS									
WET RUNWAY					1	1		1	1
ROUGH WATER					1	1		1	1
SOFT RUNWAY					1	1		1	1
OTHER					2	2		2	2
AIRWAYS FACILITIES									
SUBTOTAL					5	5		5	5
** WEATHER **									
RAIN					1	1		1	1
CONDITIONS CONDUCTIVE TO CARB/INDUCTION SYSTEM ICING					2	2		2	2
UNFAVORABLE WIND CONDITIONS		1	1		5	5		6	6
WIND SHEAR					1	1		1	1
SUDDEN WINDSHIFT				1	1	2	1	1	2
HIGH TEMPERATURE					1	1		1	1
HIGH DENSITY ALTITUDE					1	1		1	1
OTHER					1	1		1	1
SUBTOTAL		1	1	1	13	14	1	14	15
** TERRAIN **									
WET, SOFT GROUND					1	2		2	3
HIGH VEGETATION					3	2		2	5
HIDDEN OBSTRUCTIONS					1	1		1	1
ROUGH/UNEVEN	1		1		5	6		5	7
HIGH OBSTRUCTIONS					2	7		7	9
OTHER					1	1		1	1
SUBTOTAL	1		1	8	17	25	9	17	26
** MISCELLANEOUS **									
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS					1	1		1	1
UNDETERMINED	4		4	4		4	8		8
VORTEX TURBULENCE					1	1		1	1
ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP					1	1		1	1
EVASIVE MANEUVER TO AVOID COLLISION					4	4		4	4
SUBTOTAL	4		4	10	1	11	14	1	15
GRAND TOTAL	31	5	36	140	48	188	171	53	224



# CAUSE/FACTOR TABLE

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** MISCELLANEOUS ACTS, CONDITIONS **									
UNAPPROVED MODIFICATION		1	1			1		1	1
POOR WELD				1		1	1		1
LEAK/LEAKAGE					1	1		1	1
LOW COMPRESSION				4		4	4		4
LOOSE, PART/FITTING				2		2	2		2
DISCONNECTED	1		1	2		2	3		3
ERRATIC					1	1		1	1
IMPROPERLY INSTALLED	1		1				1		1
JAMMED	1		1				1		1
OBSTRUCTED				1		1	1		1
PRESSURE, NONE				1		1	1		1
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE				1		1	1		1
CHECKLIST-FAILED TO USE					1	1		1	1
UNWARRANTED LOW FLYING		1	1	2		2	2	1	3
INATTENTIVE TO FUEL SUPPLY				1		1	1		1
IMPROPERLY SECURED					1	1		1	1
FUEL GRADE-IMPROPER				1		1	1		1
WRONG PART				1		1	1		1
SEPARATION IN FLIGHT	1		1		3	3		4	4
FUEL EXHAUSTION				4		4	4		4
FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL				3		3	3		3
ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT	1		1					1	1
ICE-CARBURETOR				2		2	2		2
SUNGLARE					1	1		1	1
WATER IN FUEL				3		3	3		3
AIRCRAFT CAME TO REST IN WATER		1	1		4	4		5	5
OVERLOAD FAILURE				1	3	4	1	3	4
MATERIAL FAILURE	2		2	7		7	9		9
FUEL STARVATION	1		1	9		9	10		10

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

LISTING OF ACCIDENTS  
INVOLVING  
AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
-----	-----	----	-----	----	-----	-----
3 0034	N5150V	011677	EL MIRAGE, CA	BENSEN	B-8	NONE
3 0037	N76GS	010877	MONTCLAIR, CA	STARDUSTER	SA-200	SERIOUS
3 0133	N819	020577	ADDISON, TX	DER JAGER	D IX	MINOR
3 0134	N260SB	020977	MULESHOE, TX	SKYBOLT	260	NONE
3 0164	N2259C	011977	DAVENPORT, CA	PITTS SPEC	S1C	NONE
3 0223	N9488	030377	FREMONT, CA	BREELIEB		NONE
3 0308	N292J	031677	PECOS, TX	SMITH-MINI		MINOR
3 0335	N91706	031077	HENDERSONVILLE, NC	ACE	E	NONE
3 0342	N28210	030577	NMESA, AZ	HATCHER	KR-1	NONE
3 0445	N2237	030177	GLENDALE, AZ	HICKS & SHU	SPECL	MINOR
3 0605	N3658	041377	HOUSTON, MO	TEENIE	SPCL	SERIOUS
3 0704	N9228	022677	JULIAN, PA	VOLKSPLANE	VP-1	NONE
3 0728	N6BH	040377	RENSSELAER, IN	STARDUSTER	SA200	SERIOUS
3 0763	N5016J	032477	SELMA, AL	HELTON LARK	95	NONE
3 0779	N8157	040577	BISBEE, AZ	STITS	SA-3A	FATAL
3 0799	N135SS	050777	SPICEWOOD, TX	ASTIR	1	NONE
3 0811	N8161	040777	NFERNLEY, NV	SCHNEIDER	ES-60	NONE
3 0958	N219H	032177	OREGON CITY, OR	HARMON	STITS	NONE
3 0962	N117JS	032477	LANGLEY, WA	VOLMER	VT22	MINOR
3 1018	N2JL	043077	NCAMDEN, SC	STARDUSTER	2	FATAL

LISTING OF ACCIDENTS  
INVOLVING

AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE ----	LOCATION -----	AIRCRAFT MAKE ----	MODEL -----	INJURY INDEX -----
3 1069	N47SV	040877	BEALETON, VA	STAMPE	SV4C	MINOR
3 1075	N68107	061177	TUCSON, AZ	TAILWIND	1	SERIOUS
3 1099	N88C	061277	NEUDORA, KS	HUEY-SMITH	H-1	NONE
3 1182	N19EW	052177	MAYER, AZ	TAILWIND	W-8A	FATAL
3 1218	N3121	061177	BERRYVILLE, AR	BENSEN	B8M	FATAL
3 1239	N164	052177	GARDNER, MA	CASSUTT	3	NONE
3 1297	N13GH	060977	ALVORD, TX	STARDUSTER	TOO	FATAL
3 1332	N50JE	062277	CORONA, CA	CASSUTT	SPORT	SERIOUS
3 1400	N9TJ	051877	OLATHE, KS	PITTS	S1S	NONE
3 1516	N14AE	071277	NLOMPOC, CA	EBEL VAREZE	10	MINOR
3 1517	N21HM	071077	GOLETA, CA	SPEZIO	1	NONE
3 1550	N8274	071877	SIMI VALLEY, CA	AEROSPORT	QUAIL	MINOR
3 1623	N18F	070277	KILLINGWORTH, CT	HEBEL	B-1	SERIOUS
3 1681	N5596	071877	FERNDAL, WA	WULLE	VP2	MINOR
3 1682	N9EG	060577	ALBANY, OR	TAILWIND	W8	SERIOUS
3 1683	N168K	050177	KENNEWICK, WA	EAA BIPLANE	P	SERIOUS
3 1725	N46834	072377	BEARDSTOWN, IL	STITS	PLYBOY	NONE
3 1726	N14527	071777	JACKSONVILLE, IL	WOOLUMS	KR-2	NONE
3 1732	N90RM	061777	WINTERSET, IA	MORRIS CASS	111M	FATAL
3 1769	N64613	041677	NPALATKA, FL	BENSEN	BM-8	FATAL

LISTING OF ACCIDENTS  
INVOLVING

AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE ----	LOCATION -----	AIRCRAFT MAKE -----	MODEL -----	INJURY INDEX -----
3 1796	N68959	072477	LIVERMORE,CA	NELSON PERL	PG-185	SERIOUS
3 1816	N12FD	072477	FALL RVR MILLS,CA	BABY	1	NONE
3 1936	N91706	090277	ALLENDALE,SC	AMATEUR	ACE-E	MINOR
3 2049	N7752	073177	TONOPAH,NV	FOURNIER	RF4D	NONE
3 2088	N43TS	072477	ARLINGTON,WA	KR-2		FATAL
3 2097	N77VL	070377	BENNINGTON,VT	SCHNEIDER	LS-1F	SERIOUS
3 2228	N6141U	090377	CLINTON,IN	MIDGET	MUSTNG	MINOR
3 2241	N7105	061777	NFLINT,MI	FLY BABY	1-A	NONE
3 2263	N2300	092977	IRWIN,OH	STOLP	STARLE	NONE
3 2265	N72TD	072977	BARNESVILLE,OH	STARDUSTER	SA-300	NONE
3 2273	N10RB	090577	COLUMBUS,OH	STARDUSTER	SA-300	NONE
3 2313	N3263	082077	GROVE CITY,PA	STARDUSTER	T00	NONE
3 2364	N14921	052577	SHINGLEHOUSE,PA	SPEZIO	TU HOL	NONE
3 2400	N10E	072477	OPA LOCKA,FL	HOME BUILT	DG-1	NONE
3 2473	N5987	080677	MANKATO,MN	PIETENPOL-A	SCOUT	NONE
3 2480	N52DS	070777	GRAND RAPIDS,MN	BABY GRT LK	S-2	NONE
3 2543	N65165	053077	LAKELAND,FL	BABY GR LKS	BGL B1	MINOR
3 2557	N3120	060477	NST AUGUSTINE,FL	BENSEN	B-8-MG	FATAL
3 2598	N2RL	062077	NLOCKPORT,IL	PITTS	S1	NONE
3 2608	N16655	072777	NCHESTERTON,IN	VOLKSPLANE	VP-IFD	SERIOUS

LISTING OF ACCIDENTS  
INVOLVING  
AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	MODEL -----	INJURY INDEX -----
3 2614	N65209	082077	SPEEDWAY, IN	EVANS	VP-1	SERIOUS
3 2619	N375JK	080477	DETROIT, MI	BEDE	BD-4	NONE
3 2623	N57VB	042677	LORAIN, OH	VERN BOARD	MINI	FATAL
3 2628	N60089	090377	CLEVELAND, OH	FALCK	SPEC	FATAL
3 2638	N9BR	080577	PARDEEVILLE, WI	STARDUSTER	BR-2	NONE
3 2651	NONE	091177	MONTAGUE, MI	BENSON	GYRO	SERIOUS
3 2763	N3274	011377	N LONGMONT, CO	STITS	SA-11A	FATAL
3 2786	N8DE	082877	LAKEWOOD CTR, WA	ANDERSON	KGFSHR	SERIOUS
3 2793	N75MB	072377	WILLSONVILLE, OR	BUFFUM MINI	COUPE	NONE
3 2850	N7886	030677	ROYAL PALM BCH, FL	SCORPION	II	SERIOUS
3 2864	N11RF	092477	SONOMA, CA	BREEZY	RLU-1	NONE
3 2871	N2811J	082177	WAGONER, OK	JODETTE	JD-9	SERIOUS
3 2877	N11KG	080477	HEBRON, TX	GERSBACH	SDWNDR	FATAL
3 2902	N65360	071977	SHELTON, WA	TAYLOR	B8M	FATAL
3 2936	N4671T	091877	EBENSBURG, PA	MINIPLANE	DS	SERIOUS
3 2970	N9HD	091577	REDDING, CA	HOME BUILT	KR1	MINOR
3 2990	N65029	101577	SHERIDAN, IN	MOORE	KR-1	MINOR
3 3012	N7723	042877	CENTRAL CITY, NE	SPORTAVIA	RF4-D	NONE
3 3064	N3727	101977	LAKEPORT, CA	KEOSKE EXP	D1X	NONE
3 3065	N51911	101377	WATSONVILLE CA	AMSEL-ROBBI		SERIOUS

LISTING OF ACCIDENTS  
INVOLVING  
AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
-----	-----	----	-----	-----	-----	-----
3 3077	N18811	111377	WHEATLEY, AR	MUSTANG	II	NONE
3 3103	N73T	081377	PLAIN, WA	BUSHBY MIDG	MUSTNG	SERIOUS
3 3110	N30059	082177	VANCOUVER, WA	PITTS	MR1	FATAL
3 3118	N67272	090577	NSUSITNA LODGE, AK	WILLBIRD	01	NONE
3 3132	N4600	070277	HUMP ISLAND, AK	VOLMER	UJ-22	MINOR
3 3145	N5653	072577	ROCKFORD, IL	BENSEN	B8M	MINOR
3 3146	N278S	080177	VALPARAISO, IN	TURNER	T-40A	FATAL
3 3300	N107D	112277	CREVE COEUR, MO	COOT	A	MINOR
3 3302	N3622G	111877	KIMBERLING, MO	TERRILL	SPEC-L	NONE
3 3316	N9052	082677	WASHINGTON, PA	BLUMFELDT	SPORT	NONE
3 3317	N5550	060477	OXFORD, PA	FLY-BABY	1A	FATAL
3 3349	N4477M	103077	LODI, CA	MARSKE	MONARC	SERIOUS
3 3359	N5240	111177	BOULDER CITY, NV	JEANIE	TEENIE	FATAL
3 3478	N362RB	102577	NFULTON, NY	BABY LAKES	RB1	NONE
3 3519	N363RG	101577	KERRVILLE, TX	MUSTANG	11	NONE
3 3533	N83893	103177	ALBUQUERQUE, NM	PIETENPOL	AIRCAM	SERIOUS
3 3561	N3842	111377	DAVIS, CA	COOT	A	NONE
3 3658	N7B	103077	MANZANAR, CA	PITTS	SPECL	NONE
3 3721	N68079	123077	CREVE COEUR, MO	HEYING	PDQ-2	MINOR
3 3786	N14SA	112677	NDENVER, CO	DYKE	DELTA	NONE

LISTING OF ACCIDENTS  
INVOLVING  
AMATEUR/HOME BUILT AIRCRAFT  
U.S. GENERAL AVIATION  
1977  
(IN FILE ORDER SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	MODEL -----	INJURY INDEX -----
3 3828	N61292	121177	TEA, SD	LIABLE	COUGAR	NONE
3 3886	N9229Z	110377	SPANAWAY, WA	AEROSPORT	QUAIL	SERIOUS
3 4010	N48342	080177	OSHKOSH, WI	BUSHREY	MUSTNG	FATAL
3 4020	N3146	080877	LAKEVILLE, MN	WENDT	WH-1	FATAL
3 4022	N2997G	071677	JORDAN, MN	PITTS	S-1S	NONE
3 4098	N1054	061177	SALEM, IL	TOLMAN	SA-3AM	FATAL

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS

INVOLVING

AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION

1977

(IN STATE AND DATE ORDER)

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0763	3/24/77 TIME - 1730	SELMA, AL	HELTON LARK 95 N5016J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 21, 640 TOTAL HOURS, 71 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - SKYHARBOR DEPARTURE POINT SELMA, AL TYPE OF ACCIDENT COLLIDED WITH ANIMALS	INTENDED DESTINATION RETURN			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) MISCELLANEOUS - ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP REMARKS- ACFT STRUCK DEER ON LNDG AT UNCONTROLLED ARPT					



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3132	7/2/77 TIME - 1630	HUMP ISLAND, AK	VOLMER UJ-22 N4600 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 83 TOTAL HOURS, 76 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT JUNEAU, AK	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION WHEELS-DOWN LANDING IN WATER		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS AIRFRAME - LANDING GEAR GEAR LOCKING MECHANISM						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER						
REMARKS- PLT SUSPECTS CARB ICE, AMPHIBIOUS ACFT, GR DOWN LOCKS WOULD NOT RELEASE.						
3-3118	9/5/77 TIME - 1630	NR, SUSITNA LODGE, AK	WILLBIRD 01 N67272 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 26, 180 TOTAL HOURS, 127 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SUSITNA LODGE, AK	INTENDED DESTINATION TALKEETNA, AK			
		TYPE OF ACCIDENT NOSE OVER/DOWN		PHASE OF OPERATION TAKEOFF RUN		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, AND ALTITUDE						
FACTOR(S) TERRAIN - OTHER MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
REMARKS- TAIL WHEEL HIT ROCK PITCHING NOSE DOWN, GRAVEL BAR.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0445	3/1/77 TIME - 1700	GLENDALE, AZ	HICKS & SHU SPEC N2237 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 25, 420 TOTAL HOURS, 340 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - THUNDERBIRD DEPARTURE POINT GLENDALE, AZ TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING FINAL APPROACH LANDING LEVEL OFF/TOUCHDOWN		
		PROBABLE CAUSE(S) POWERPLANT - ENGINE CONTROLS THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- THROTTLE CABLE DISCONNECTED, PILOT FORCED ACFT ON GRD DUE TO HOUSES & FLIPPED OVER, GUSTS 25K							
3-0342	3/5/77 TIME - 1050	NR, MESA, AZ	HATCHER KR-1 N28210 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 51, 409 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - FALCON DEPARTURE POINT MESA, AZ TYPE OF ACCIDENT GEAR COLLAPSED	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING ROLL		
		PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC. MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PERSONNEL - PRODUCTION-DESIGN-PERSONNEL OTHER REMARKS- L GR CASTING FAILED, TOO POROUS.							
3-0779	4/5/77 TIME - 1650	BISBEE, AZ	STITS SA-3A N8157 DAMAGE-DESTROYED	CR-	1	0	0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 51, 890 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BISBEE, AZ TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	INTENDED DESTINATION LOCAL CONTROLLED				PHASE OF OPERATION IN FLIGHT ACROBATICS		
		PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT PILOT IN COMMAND - MISJUDGED ALTITUDE REMARKS- LOW LEVEL ACROBATIC MANEUVER.							

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1182	5/21/77 TIME - 1100	MAYER.AZ	TAILWIND W-8A N19EW DAMAGE-DESTROYED INTENDED DESTINATION MESA.AZ	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 53, 358 TOTAL HOURS, 107 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PRESCOTT.AZ				
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH DIRT BANK	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - UNKNOWN/NOT REPORTED COMPLETE POWER LOSS - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT						
3-1075	6/11/77 TIME - 0900	TUCSON.AZ	TAILWIND 1 N68107 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 65, 591 TOTAL HOURS, 108 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - RYAN FIELD DEPARTURE POINT TUCSON.AZ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION LANDING FINAL APPROACH			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE						
3-1218	6/11/77 TIME - 1115	BERRYVILLE.AR	BENSEN B8M N3121 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 58, 100 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BERRYVILLE.AR				
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE			
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) AIRFRAME - FLIGHT CONTROL SURFACES RUDDER SURFACES, ATTACHMENTS MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT REMARKS- M/R BLADE HIT RUDDER PANEL.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3077	11/13/77 TIME - 1220	WHEATLEY, AR	MUSTANG II N18811 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 36, 658 TOTAL HOURS, 12 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT COOKVILLE, TN	INTENDED DESTINATION BRINKLEY, AR			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE PROPELLER		PHASE OF OPERATION IN FLIGHT DESCENDING		
PROBABLE CAUSE(S) POWERPLANT - PROPELLER AND ACCESSORIES BLADES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
3-0037	1/8/77 TIME - 1030	MONTCLAIR, CA	STARDUSTER SA-200 N76GS DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 39, 131 TOTAL HOURS, 54 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CABLE DEPARTURE POINT OXARD, CA	INTENDED DESTINATION MONTCLAIR, CA			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION GEAR COLLAPSED		PHASE OF OPERATION IN FLIGHT DESCENDING LANDING ROLL		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION FACTOR(S) TERRAIN - ROUGH/UNEVEN MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- MIXT CTL FOUND IN MID-RANGE.						
3-0034	1/16/77 TIME - 1130	EL MIRAGE, CA	BENSEN B-8 N5150V DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 59, 125 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - EL MIRAGE DEPARTURE POINT EL MIRAGE, CA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED		PHASE OF OPERATION TAKEOFF INITIAL CLIMB		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- SETTLED INTO BRUSH.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0164	1/19/77 TIME - 1630	DAVENPORT,CA	PITTS SPEC SIC N2259C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 30, 1662 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - BIG CREEK LUMBER DEPARTURE POINT SAN JOSE,CA TYPE OF ACCIDENT OVERSHOOT NOSE OVER/DOWN		INTENDED DESTINATION DAVENPORT,CA  PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING ROLL		
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION REMARKS- AVOIDING CLIFF AT END OF RWY.						
3-0223	3/3/77 TIME - 1530	FREMONT,CA	BREELIEB N9488 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE UNK/NR, 56 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SKY SAILING DEPARTURE POINT FREMONT,CA TYPE OF ACCIDENT HARD LANDING		INTENDED DESTINATION FREMONT,CA  PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER LEVEL OFF PILOT IN COMMAND - IMPROPER RECOVERY FROM BOUNCED LANDING FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS						
		SKY CONDITION SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND VELOCITY-KNOTS 15 TYPE OF FLIGHT PLAN NONE REMARKS- GUST 20K.		CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 290 TYPE OF WEATHER CONDITIONS VFR		

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1332	6/22/77 TIME - 1415	CORONA, CA	CASSUTT SPORT N50JE DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 36, 3000 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - CORONA DEPARTURE POINT INTENDED DESTINATION CORONA, CA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT CLIMB TO CRUISE  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- HOMEBUILT, PLTS FIRST FLIGHT, OVERCONTROLLED THEN LOST CONTROL. FLIGHT LASTED THREE MINUTES.						
3-1517	7/10/77 TIME - 1230	GOLETA, CA	SPEZIO 1 N21HM DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	PRIVATE, AGE 42, 190 TOTAL HOURS, 104 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SANTA BARBARA MUN DEPARTURE POINT INTENDED DESTINATION REDLANDS, CA SAN LUIS OBISPO, CA TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE GEAR COLLAPSED LANDING ROLL  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION FACTOR(S) TERRAIN - ROUGH/UNEVEN MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1516	7/12/77 TIME - 1400	NR.LOMPOC,CA	EBEL VAREZE 10 N14AE DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 68, 3638 TOTAL HOURS, 20 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT LOMPOC,CA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION IN FLIGHT OTHER	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	CONTROLLED			LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM TANKS MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN					
	FACTOR(S) AIRFRAME - FUSELAGE WINDSHIELDS,WINDOWS,CANOPIES MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY SECURED TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- CANOPY OPENED,ENTERED SPIN.RECOV OK.ENG QUIT DUE TANKS BLO ENG DRG SPIN.LND IN BEAN FLD.					
3-1550	7/18/77 TIME - 1615	SIMI VALLEY,CA	AEROSPORT QUAIL N8274 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 55, 269 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - SANTA SUSANA DEPARTURE POINT SIMI VALLEY,CA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE COLLIDED WITH OBJECT				LANDING GO-AROUND	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS					
	FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT					
	REMARKS- R WG TIP HIT WIND TEE.EQUIPPED WITH VW 1600CC EN6INE.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1796	7/24/77 TIME - 1445	LIVERMORE, CA	NELSON PERL PG-185 N68959 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 66, 4000 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HUMMINGBIRDHAVEN DEPARTURE POINT INTENDED DESTINATION LIVERMORE, CA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB COLLISION WITH GROUND/WATER CONTROLLED TAKEOFF ABORTED  PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS MISCELLANEOUS ACTS, CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL MISCELLANEOUS ACTS, CONDITIONS - OBSTRUCTED MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. REMARKS- FUEL SHUTOFF VLV OBSTRUCTED.						
3-1816	7/24/77 TIME - 0915	FALL RVR MILLS, CA	BABY 1 N12FD DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 528 TOTAL HOURS, 5 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION RED BLUFF, CA FALL RVR MILLS, CA TYPE OF ACCIDENT PHASE OF OPERATION GROUND-WATER LOOP-SWERVE LANDING ROLL COLLIDED WITH FENCE, FENCEPOSTS LANDING GO-AROUND  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2970	9/15/77 TIME - 0810	REDDING, CA	HOME BUILT KR1 N9HD DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, FL. INSTR., AGE 64, 13000 TOTAL HOURS, 0 IN TYPE, INSTRU- MENT RATED.
NAME OF AIRPORT - REDDING DEPARTURE POINT REDDING, CA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION IN FLIGHT OTHER NOSE OVER/DOWN LANDING ROLL  PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDITIONS - ICE-CARBURETOR SYSTEMS - ANTI-ICING, DE-ICING SYSTEMS CARBURETOR DE-ICING SYSTEM FACTOR(S) WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  SKY CONDITION OVERCAST/LOWER SCATTERED CEILING AT ACCIDENT SITE 4000 VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED) PRECIPITATION AT ACCIDENT SITE NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F 57 WIND DIRECTION-DEGREES 180 WIND VELOCITY-KNOTS 7 TYPE OF WEATHER CONDITIONS VFR TYPE OF FLIGHT PLAN NONE REMARKS- REDUCED POWER STALL ON AIRCRAFTS FIRST FLIGHT. INSUFFICIENT CARB HEAT.						
3-2864	9/24/77 TIME - 1115	SONOMA, CA	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 59, 1500 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SKYPARK DEPARTURE POINT SONOMA, CA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER LEVEL OFF						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3065	10/13/77 TIME - 1634	WATSONVILLE CA	AMSEL-ROBRI N51911 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 41, 1400 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - WATSONVILLE MUNI DEPARTURE POINT INTENDED DESTINATION WATSONVILLE CA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION STALL SPIN LANDING TRAFFIC PATTERN-CIRCLING  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- FIRST FLIGHT OF AIRCRAFT.						
3-3064	10/19/77 TIME - 1445	LAKEPORT.CA	KEOSKE EXP DIX N3727 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 37, 490 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - LAMPSON FIELD DEPARTURE POINT INTENDED DESTINATION LAKEPORT.CA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION GROUND-WATER LOOP-SWERVE COLLIDED WITH DITCHES TAKOFF RUN TAKOFF RUN  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS  SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE LEFT CROSS WIND 248-292 DEGREES TEMPERATURE-F WIND DIRECTION-DEGREES 70 210 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS 15 VFR TYPE OF FLIGHT PLAN NONE						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3349	10/30/77 TIME - 1400	LODI,CA	MARKE MONARC N4477M DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 46, 5400 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - KINGDOM DEPARTURE POINT - Lodi,CA INTENDED DESTINATION - LOCAL TYPE OF ACCIDENT - COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION - TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) - MISCELLANEOUS - UNDETERMINED FACTOR(S) - MISCELLANEOUS - VORTEX TURBULENCE REMARKS- SINGLE WHEEL ULTRALIGHT SAILPLANE, POSSIBLE LONGITUDINAL INSTABILITY, FIRST AIR TOW.						
3-3658	10/30/77 TIME - 0930	MANZANAR,CA	PITTS SPECL N7B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 61, 1572 TOTAL HOURS, 8 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MANZANAR DEPARTURE POINT - LONE PINE,CA INTENDED DESTINATION - LOCAL TYPE OF ACCIDENT - GROUND-WATER LOOP-SWERVE PHASE OF OPERATION - LANDING ROLL PROBABLE CAUSE(S) - PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) - AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER REMARKS- MANZANAR APRT ABANDONED, RWY CRACKED AND ROUGH.						
3-3561	11/13/77 TIME - 1000	DAVIS,CA	COOT A N3842 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL INSTR., AGE 22, 3000 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - YOLO COUNTY DEPARTURE POINT - RIO VISTA,CA INTENDED DESTINATION - REDDING,CA TYPE OF ACCIDENT - ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION - IN FLIGHT NORMAL CRUISE WHEELS-UP - LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) - PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION FACTOR(S) - TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. REMARKS- PILOT LEFT THE GEAR RETRACTED TO EXTEND GLIDE WHEN APRT ASSURED NOT TIME TO EXTEND GEAR.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2763	1/13/77 TIME - 1230	NR.LONGMONT, CO	STITS SA-11A N3274 DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 32, 85 TOTAL HOURS, 61 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT DENVER, CO	INTENDED DESTINATION GREELEY, CO		LAST ENROUTE STOP FT. COLLINS, CO		
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED.		PHASE OF OPERATION UNKNOWN/NOT REPORTED		
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED					
3-3786	11/26/77 TIME - 1450	NR.DENVER,CO	DYKE DELTA N14SA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 29, 340 TOTAL HOURS, 78 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT DALHART, TX	INTENDED DESTINATION BROOMFIELD, CO		PHASE OF OPERATION IN FLIGHT DESCENDING		
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH OBJECT			LANDING ROLL		
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - INATTENTIVE TO FUEL SUPPLY MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION TERRAIN - HIDDEN OBSTRUCTIONS					
	FACTOR(S) POWERPLANT - FUEL SYSTEM VENTS, DRAINS, TANK CAPS MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- GASCOLATOR LEAKING, CAUSE NOT DETERMINED. LANDING GEAR STRUCK A GOPHER HOLE.					
3-1623	7/2/77 TIME - 0915	KILLINGWORTH, CT	HEBEL B-1 N1BF DAMAGE-MINOR	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS OTHER	PRIVATE, AGE 51, 42 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT KILLINGWORTH, CT	INTENDED DESTINATION UNKNOWN/NOT REPORTED		PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN		
	TYPE OF ACCIDENT HARD LANDING					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC. EQUIPMENT PILOT IN COMMAND - PREMATURE LIFT-OFF PILOT IN COMMAND - IMPROPER LEVEL OFF REMARKS- ATTEMPTING TO MOVE HOT-AIR BALLOON BY HAND-TETHER. BECAME AIRBORNE, PLT NOT PREPARED.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2850	3/6/77 TIME - 1000	ROYAL PALM BCH, FL	SCORPION II N7886 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL. INSTR., AGE 55, 2860 TOTAL HOURS, 90 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - OLD FLYING COW DEPARTURE POINT INTENDED DESTINATION ROYAL PALM BCH, FL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
3-1769	4/16/77 TIME - 1620	NR. PALATKA, FL	BENSEN BM-8 N64613 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 31.73 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - KAY LARKIN DEPARTURE POINT INTENDED DESTINATION PALATKA, FL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED LANDING TRAFFIC PATTERN-CIRCLING PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 86 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 120 11 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- GUSTS TO EST 25KTS. NO KNOWN INSTRUCTION RECD IN GYROCOPTERS. M/R STRUCK TAILBOOM IN DESCENT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2543	5/30/77	LAKELAND, FL	BABY GR LKS BGL B1 N65165 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL
	TIME - 1400			PX-	0	0	0	PLEASURE/PERSONAL TRANSP.
		NAME OF AIRPORT - PIG PATCH						COMMERCIAL, AGE 36, 360
		DEPARTURE POINT	INTENDED DESTINATION					TOTAL HOURS, 3 IN TYPE,
		LAKELAND, FL	LOCAL					NOT INSTRUMENT RATED.
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION					TAKEOFF INITIAL CLIMB	
		COLLIDED WITH TREES					LANDING FINAL APPROACH	
		PROBABLE CAUSE(S)						
		PERSONNEL - PRODUCTION-DESIGN-PERSONNEL OTHER						
		MISCELLANEOUS ACTS, CONDITIONS - WRONG PART						
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		REMARKS- WRONG PROP INSTALLED						
3-2557	6/4/77	NR. ST AUGUSTINE, FL	BENSEN B-8-MG N3120 DAMAGE-SUBSTANTIAL	CR-	1	0	0	NONCOMMERCIAL
	TIME - 1510			PX-	0	0	0	PRACTICE
		DEPARTURE POINT	INTENDED DESTINATION					STUDENT, AGE 23, 10 TOTAL
		ST AUGUSTINE, FL	LOCAL					HOURS, ALL IN TYPE, NOT
		TYPE OF ACCIDENT					PHASE OF OPERATION	INSTRUMENT RATED.
		COLLISION WITH GROUND/WATER UNCONTROLLED					IN FLIGHT UNCONTROLLED DESCENT	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
		PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
3-2400	7/24/77	OPA LOCKA, FL	HOME BUILT DG-1 N10E DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS
	TIME - 0705			PX-	0	0	0	EXPERIMENTATION
		NAME OF AIRPORT - OPA LOCKA						ATP, FLIGHT INSTR., AGE
		DEPARTURE POINT	INTENDED DESTINATION					48, 15000 TOTAL HOURS, 0
		OPA LOCKA, FL	LOCAL					IN TYPE, INSTRUMENT
		TYPE OF ACCIDENT					PHASE OF OPERATION	RATED.
		GEAR COLLAPSED					TAKEOFF RUN	
		PROBABLE CAUSE(S)						
		AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC.						
		MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE						
		REMARKS- TOYO KOGYO RX3 ENGINES, FIRST FLIGHT FOR ACFT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4098	6/11/77 TIME - 1515	SALEM,IL	TOLMAN SA-3AM N1054 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS AIR SHOW/RACING	COMMERCIAL, AGE 31, 798 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT SALEM,IL		PHASE OF OPERATION IN FLIGHT ACROBATICS		
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT				
PROBABLE CAUSE(S) AIRFRAME - WINGS SKIN AND ATTACHMENTS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION						
FACTOR(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT MISCELLANEOUS ACTS,CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT						
REMARKS- PIC BLOOD ALCOHOL LEVEL .073%.						
3-2598	6/20/77 TIME - 1930	NR.LOCKPORT,IL	PITTS S1 N2RL DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 41, 767 TOTAL HOURS, 430 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LOCKPORT,IL		PHASE OF OPERATION IN FLIGHT ACROBATICS		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN		LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- ENG QUIT DRG TAILSLIDE FRM TORQUE ROLL MANEUVER.UN WINDMILL START.NOT EQPD WITH STARTER.						
3-1726	7/17/77 TIME - 1830	JACKSONVILLE,IL	WOOLUMS KR-2 N14527 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 57, 600 TOTAL HOURS, 6 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - JACKSONVILLE MUNI DEPARTURE POINT JACKSONVILLE,IL		PHASE OF OPERATION LANDING FINAL APPROACH		
		TYPE OF ACCIDENT UNDERSHOOT HARD LANDING		LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS						
REMARKS- SLOW BRINGING IN PWR.DROPPED IN SHORT OF RWY.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1725	7/23/77 TIME - 1530	BEARDSTOWN,IL	STITS PLYBOY N46834 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 48, 138 TOTAL HOURS, 39 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GREATER BEARDSTWN DEPARTURE POINT INTENDED DESTINATION ARENZVILLE,IL ARENZVILLE,IL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED LAST ENROUTE STOP BEARDSTOWN,IL PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS.CONDITIONS - PRESSURE,NONE MISCELLANEOUS ACTS.CONDITIONS - FUEL STARVATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LNDG IN BEAN FLD.						
3-3145	7/25/77 TIME - 1411	ROCKFORD,IL	RENSEN B8M N5653 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 53, 4500 TOTAL HOURS, 171 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - GREATER ROCKFORD DEPARTURE POINT INTENDED DESTINATION ROCKFORD,IL ROCKFORD,IL TYPE OF ACCIDENT NOSE OVER/DOWN PHASE OF OPERATION TAXI GROUND TAXI FROM LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PERSONNEL - MISCELLANEOUS-PERSONNEL OTHER REMARKS- NOSEWHEEL DROPPED INTO HOLE.ARPT AREA BEING USED WAS DESIGNATED BY CONVENTION PARTICIPANTS.						
3-0728	4/3/77 TIME - 1430	RENSSELAER,IN	STARDUSTER SA200 N68H DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 32, 400 TOTAL HOURS, 61 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - JASPER COUNTY DEPARTURE POINT INTENDED DESTINATION RENSSELAER,IN LOCAL TYPE OF ACCIDENT STALL PHASE OF OPERATION TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2608	7/27/77	NR.CHESTERTON,IN	VOLKSPLANE VP-IFD N16655 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 47, 234 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BODIN STRIP DEPARTURE POINT INTENDED DESTINATION CHESTERTON,IN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION STALL TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS REMARKS- VOLKSWAGON ENGINE,BAKER MODS.						
3-3146	8/1/77	VALPARAISO,IN	TURNER T-40A N278S DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 435 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PORTER COUNTY DEPARTURE POINT INTENDED DESTINATION FINDLAY,OH VALPARAISO,IN TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT DESCENDING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS PILOT IN COMMAND - MISJUDGED ALTITUDE FIRE AFTER IMPACT						
3-2614	8/20/77	SPEEDWAY,IN	EVANS VP-1 N65209 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 45, 353 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SPEEDWAY DEPARTURE POINT INTENDED DESTINATION SPEEDWAY,IN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION STALL LANDING TRAFFIC PATTERN-CIRCLING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- INITIAL FLIGHT TEST OF AMATEUR BUILT ACFT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-222R	9/3/77 TIME - 1420	CLINTON, IN	MIDGET MUSTNG N614IU DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 35, 428 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - CLINTON DEPARTURE POINT INTENDED DESTINATION CLINTON, IN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
3-2990	10/15/77 TIME - 1200	SHERIDAN, IN	MOORE KR-1 N65029 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 55, 135 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SHERIDAN DEPARTURE POINT INTENDED DESTINATION SHERIDAN, IN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED REMARKS- AIRCRAFT CARTWHEELED AFTER LIFT OFF.						
3-1732	6/17/77 TIME - 1850	WINTERSET, IA	MORRIS CASS 111M N90RM DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 41, 608 TOTAL HOURS, 52 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION WINTERSET, IA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION AIRFRAME FAILURE IN FLIGHT IN FLIGHT ACROBATICS PROBABLE CAUSE(S) AIRFRAME - FLIGHT CONTROL SURFACES VERTICAL STABILIZER, ATTACHMENTS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE AIRFRAME - FLIGHT CONTROL SURFACES ELEVATOR ASSEMBLY, ATTACHMENTS MISCELLANEOUS ACTS, CONDITIONS - JAMMED REMARKS- VERT FIN SPAR FRACTURE SURFACE 50% DISCOLORED. VERT STAB DISPLACED LEFT OBSTRUCTING ELEV TRAVEL.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1400	5/18/77 TIME - 0905	OLATHE,KS	PITTS SIS N9TJ DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 33, 3002 TOTAL HOURS, 80 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - CEDAR AIR PARK DEPARTURE POINT INTENDED DESTINATION OLATHE,KS LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES  PHASE OF OPERATION IN FLIGHT ACROBATICS LANDING LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
3-1099	6/12/77 TIME - 1415	NR.EUDORA,KS	HUEY-SMITH H-1 N88C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 56, 817 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION LEAWOOD,KS LAWRENCE,KS TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH WIRES/POLES  PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING FINAL APPROACH  PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT SUSPECTED MECHANICAL DISCREPANCY REMARKS- AFTER LANDING PLT DISCOVERED FUEL SWITCH IN OFF POSITION.						
3-1239	5/21/77 TIME - 0930	GARDNER,MA	CASSUTT 3 N164 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS EXPERIMENTATION	COMMERCIAL, AGE 56, 2802 TOTAL HOURS, 2 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - GARDNER MUNI DEPARTURE POINT INTENDED DESTINATION GARDNER,MA LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION DITCHING  PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN POWERPLANT - ENGINE CONTROLS THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- VENTURI SLIDE CONTROL ROD WORKED FREE THROTTLE BECAME INEFFECTIVE.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2241	6/17/77 TIME - 1745	NR.FLINT,MI	FLY BABY 1-A N7105 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 35, 90 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ISHOP AIRPORT DEPARTURE POINT INTENDED DESTINATION FLINT,MI LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB NOSE OVER/DOWN LANDING ROLL  PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - ENGINE STRUCTURE PISTON,PISTON RINGS POWERPLANT - ENGINE STRUCTURE VALVE ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - LOW COMPRESSION TERRAIN - HIGH VEGETATION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- #4CYL EXH VALVE STREAKED,NOT CLOSING PROPERLY.ALL PISTON RING GAPS EXCESS OF MAX ALLOWABLE.						
3-2619	8/4/77 TIME - 1720	DETROIT,MI	BEDE BD-4 N375JK DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 32, 275 TOTAL HOURS, 95 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DETROIT CITY DEPARTURE POINT INTENDED DESTINATION ANDERSON,SC DETROIT,MI TYPE OF ACCIDENT PHASE OF OPERATION AIRFRAME FAILURE ON GROUND LANDING ROLL  PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR NOSEWHEEL ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
3-2651	9/11/77 TIME - 1735	MONTAGUE,MI	BENSON GYRO NONE DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS TEST	STUDENT, AGE 52, 113 TOTAL HOURS, 102 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - OTTIGER DEPARTURE POINT INTENDED DESTINATION MONTAGUE,MI LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING TRAFFIC PATTERN-CIRCLING COLLIDED WITH TREES LANDING FINAL APPROACH  PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE PISTON,PISTON RINGS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - LOW COMPRESSION TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- BENSON GYROPLANE MODIFIED WITH MCCULLOCH MOTORS AF MODEL 0-100-1. #4 PISTON RINGS SIEZED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2480	7/7/77 TIME - 2045	GRAND RAPIDS, MN	BABY GRT LK S-2 N52DS DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 49, 959 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - GRAND RAPIDS				
		DEPARTURE POINT GRAND RAPIDS, MN		INTENDED DESTINATION LOCAL		
		TYPE OF ACCIDENT UNDERSHOOT		PHASE OF OPERATION LANDING FINAL APPROACH		
		COLLIDED WITH TREES		LANDING ROLL		
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE						
3-4022	7/16/77 TIME - 1900	JORDAN, MN	PITTS S-1S N2997G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	ATP, FLIGHT INSTR., AGE 66, 34000 TOTAL HOURS, UNK/NR IN TYPE, INSTRU- MENT RATED.
		DEPARTURE POINT EDEN PRAIRIE, MN		INTENDED DESTINATION LOCAL		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION		PHASE OF OPERATION IN FLIGHT ACROBATICS		
		COLLIDED WITH CROP		LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM OTHER						
FACTOR(S) WEATHER - HIGH TEMPERATURE						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION UNKNOWN/NOT REPORTED		CEILING AT ACCIDENT SITE UNLIMITED		
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)		PRECIPITATION AT ACCIDENT SITE NONE		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 100		
		TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE		
REMARKS- PLT STATED 100/130 NOT AVAILABLE SO HE USED 100 LOW LEAD. VAPOR LOCK..						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2473	8/6/77 TIME - 0930	MANKATO,MN	PIETENPOL-A SCOUT N5987 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 28, 617 TOTAL HOURS, 360 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MANKATO DEPARTURE POINT INTENDED DESTINATION MANKATO,MN SPIRIT LAKE,IA TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB COLLISION WITH GROUND/WATER CONTROLLED LANDING OTHER  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS,CONDITIONS - WATER IN FUEL PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENGINE MODEL IS A CHEVROLET CORVAIR.						
3-4020	8/8/77 TIME - 0615	LAKEVILLE,MN	WENDT WH-1 N3146 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 62, 643 TOTAL HOURS, 403 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - AIRLAKE INDUST DEPARTURE POINT INTENDED DESTINATION LAKEVILLE,MN LAWTON,OK TYPE OF ACCIDENT PHASE OF OPERATION STALL SPIN IN FLIGHT OTHER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED REMARKS- FLT PHASE UNK.						
3-0605	4/13/77 TIME - 1730	HOUSTON,MO	TEENIE SPCL N3658 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 52, 400 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MEMORIAL DEPARTURE POINT INTENDED DESTINATION HOUSTON,MO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING GO-AROUND STALL MUSH LANDING ROLL  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION FACTOR(S) TERRAIN - HIGH VEGETATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- AVOIDING FENCE,HORSES.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3302	11/18/77 TIME - 1010	KIMBERLING, MO	TERRILL SPEC-L N3622G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 25, 449 TOTAL HOURS, 3 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT OKLAHOMA CITY, OK	INTENDED DESTINATION POINT LOOKOUT, MO			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED					
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION					
	FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
3-3300	11/22/77 TIME - 1600	CREVE COEUR, MO	COOT A N107D DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 51, 1950 TOTAL HOURS, 205 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - ARROWHEAD DEPARTURE POINT ALTON, IL	INTENDED DESTINATION CREVE COEUR, MO			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT WHEELS-DOWN LANDING IN WATER					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO RETRACT LANDING GEAR					
	FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - CHECKLIST-FAILED TO USE					
	REMARKS- AMPHIBIOUS.					
3-3721	12/30/77 TIME - 1615	CREVE COEUR, MO	HEYING PDQ-2 N68079 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 29, 2020 TOTAL HOURS, 0 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - CREVE COEUR DEPARTURE POINT CREVE COEUR, MO	INTENDED DESTINATION LOCAL			PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING ROLL	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN					
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- HOMEBUILT WITH VW ENGINE, POWER LOSS ON INITIAL FLT.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3012	4/28/77 TIME - 1400	CENTRAL CITY,NE	SPORTAVIA RF4-D N7723 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	PRIVATE, AGE 49, 2500 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT KEARNEY,NE	INTENDED DESTINATION FREMONT,NE			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE	PROPELLER	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
PROBABLE CAUSE(S) POWERPLANT - PROPELLER AND ACCESSORIES BLADES MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- WOOD PROPELLER BLADE FAILED IN HUB,MALOOFF VAR PITCH PROPELLER.						
3-0811	4/7/77 TIME - 1500	NR.FERNLEY,NV	SCHNEIDER ES-60 N8161 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 49, 494 TOTAL HOURS, 38 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MINDEN,NV	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT HARD LANDING		PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) WEATHER - SUDDEN WINDSHIFT WEATHER BRIEFING - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION CLEAR		CEILING AT ACCIDENT SITE UNLIMITED		
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)		PRECIPITATION AT ACCIDENT SITE NONE		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 70		
		TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE		



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2049	7/31/77 TIME - 0730	TONOPAH.NV	FOURNIER RF4D N7752 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 62, 2715 TOTAL HOURS, 152 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - TONOPAH DEPARTURE POINT TONOPAH.NV TYPE OF ACCIDENT STALL MUSH INTENDED DESTINATION ELKO,NV PHASE OF OPERATION TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - PREMATURE LIFT-OFF PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - FAILED TO ABORT TAKEOFF FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TEMPERATURE-F 73 WIND VELOCITY-KNOTS 12 TYPE OF FLIGHT PLAN NONE REMARKS- D/A ESTIMATED 7850FT.ENG-POWERED GLIDER. CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE RELATIVE BEARING OF WIND RIGHT QUARTERING HEAD WIND 023-067 DEGREES WIND DIRECTION-DEGREES 20 TYPE OF WEATHER CONDITIONS VFR						
3-3359	11/11/77 TIME - 1250	BOULDER CITY,NV	JEANIE TEENIE N5240 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 36, 380 TOTAL HOURS, 12 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - BOULDER CITY DEPARTURE POINT BOULDER CITY,NV TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION INTENDED DESTINATION LOCAL PHASE OF OPERATION TAKEOFF INITIAL CLIMB TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS.CONDITIONS - FUEL STARVATION PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED. PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE REMARKS- VOLKSWAGEN 1600 CC ENGINE,STEEP CLIMB WITH LOW FUEL QUANTITY.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3533	10/31/77 TIME - 1200	ALBUQUERQUE,NM	PIETENPOL AIRCAM N83893 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 23, 1272 TOTAL HOURS, 1 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - CORONADO DEPARTURE POINT INTENDED DESTINATION ALBUQUERQUE,NM LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB STALL SPIN TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - IGNITION SYSTEM SPARK PLUG MISCELLANEOUS ACTS,CONDITIONS - LOOSE,PART/FITTING PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
3-3478	10/25/77 NR.FULTON,NY TIME - 1600		BABY LAKES R81 N362RB DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 46, 1200 TOTAL HOURS, 17 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - OSWEGO CO DEPARTURE POINT INTENDED DESTINATION FULTON,NY LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT OTHER STALL LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPERLY SERVICED AIRCRAFT (OWNER-PILOT) MISCELLANEOUS ACTS,CONDITIONS - FUEL GRADE-IMPROPER MISCELLANEOUS ACTS,CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENG STALLED DURING STEEP TURN,USED AUTOMOTIVE FUEL,DIRT,ETC FOUND IN GASCOLATOR & CARBURETOR.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0335	3/10/77 TIME - 1230	HENDERSONVILLE,NC	ACE E N91706 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 34, 1623 TOTAL HOURS, 1 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - WINKLER DEPARTURE POINT HENDERSONVILLE,NC INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - ANTI-ICING/DEICING EQUIPMENT-IMPROPER OPERATION OF/OR FAILED TO USE MISCELLANEOUS ACTS,CONDITIONS - ICE-CARBURETOR FACTOR(S) WEATHER - CONDITIONS CONDUCIVE TO CARB./INDUCTION SYSTEM ICING COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.						
SKY CONDITION OVERCAST VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TEMPERATURE-F 60 WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN NONE CEILING AT ACCIDENT SITE 8000 PRECIPITATION AT ACCIDENT SITE NONE RELATIVE BEARING OF WIND HEAD WIND 338-022 DEGREES WIND DIRECTION-DEGREES 160 TYPE OF WEATHER CONDITIONS VFR						
3-2623	4/26/77 TIME - 1420	LORAIN,OH	VERN BOARD MINI N57VB DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 58, 700 TOTAL HOURS, 44 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT LORAIN,OH INTENDED DESTINATION LOCAL TYPE OF ACCIDENT STALL SPIN PHASE OF OPERATION IN FLIGHT NORMAL CRUISE PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2265	7/29/77 TIME - 1410	BARNESVILLE, OH	STARDUSTER SA-300 N72TD DAMAGE-SUBSTANTIAL INTENDED DESTINATION BLUFFTON, OH	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 25, 264 TOTAL HOURS, 180 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LAUREL, MD		PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING ROLL		
		TYPE OF ACCIDENT OVERSHOOT COLLIDED WITH FENCE, FENCEPOSTS				
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - BECAME LOST/DISORIENTED PILOT IN COMMAND - MISJUDGED DISTANCE AND SPEED						
FACTOR(S) WEATHER - RAIN WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT ADVERSE/UNFAVORABLE WEATHER						
		SKY CONDITION OVERCAST		CEILING AT ACCIDENT SITE 4000		
		VISIBILITY AT ACCIDENT SITE 2 MILES OR LESS		PRECIPITATION AT ACCIDENT SITE RAIN		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG		TEMPERATURE-F 72		
		TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE		
REMARKS- PILOT LANDED ON ROAD DUE TO DETERIORATION WEA.						
3-2628	9/3/77 TIME - 1818	CLEVELAND, OH	FALCK SPEC N60089 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS AIR SHOW/RACING	COMMERCIAL, AGE 64, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRU- MENT RATED.
		NAME OF AIRPORT - BURKE LAKEFRONT DEPARTURE POINT CLEVELAND, OH	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED				
PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2273	9/5/77 TIME - 1020	COLUMBUS, OH	STARDUSTER SA-300 N10RB DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 48, 2810 TOTAL HOURS, 75 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - JOSEPHINUM DEPARTURE POINT COLUMBUS, OH TYPE OF ACCIDENT NOSE OVER/DOWN INTENDED DESTINATION LOCAL PHASE OF OPERATION TAKEOFF RUN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) TERRAIN - HIGH VEGETATION						
3-2263	9/29/77 TIME - 1700	IRWIN, OH	STOLP STARLE N2300 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 42, 277 TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - VERNON VICK DEPARTURE POINT MADISON COUNTY, OH TYPE OF ACCIDENT NOSE OVER/DOWN INTENDED DESTINATION IRWIN, OH PHASE OF OPERATION LANDING ROLL PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- FERRY FLT.						
3-2871	8/21/77 TIME - 2000	WAGONER, OK	JODETTE JD-9 N2811J DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 395 TOTAL HOURS, 120 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT WAGONER, OK TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES INTENDED DESTINATION LOCAL PHASE OF OPERATION IN FLIGHT BUZZING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING REMARKS- VW ENG, EXP MED, NO BIENNIAL FLT REVIEW						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0958	3/21/77 TIME - 1600	OREGON CITY,OR	HARMON STITS N219H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	PRIVATE, AGE 52, 3500 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - OREGON CITY AIRPK DEPARTURE POINT INTENDED DESTINATION MULINO,OR OREGON CITY,OR TYPE OF ACCIDENT PHASE OF OPERATION UNDERSHOOT LANDING FINAL APPROACH COLLIDED WITH FENCE,FENCEPOSTS LANDING FINAL APPROACH  PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - SUDDEN WINDSHIFT WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED  SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) NONE ORSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE HEAD WIND 338-022 DEGREES WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 265 12 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- PLT RPTS ACFT ENCOUNTERED GUST,SETTLED,STRUCK FENCE SHORT OF RWY.PLTS 1ST FLT THIS ACFT.						
3-1682	6/5/77 TIME - 1515	ALBANY,OR	TAILWIND W8 N9EG DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 51, 1046 TOTAL HOURS, 138 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ALBANY DEPARTURE POINT INTENDED DESTINATION ALBANY,OR YELM,WA TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB HARD LANDING LANDING LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS,CONDITIONS - WATER IN FUEL PILOT IN COMMAND - IMPROPER LEVEL OFF COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- ENG QUIT AT 500FT AGL,LNDD HARD IN SMALL CLEARING.WATER IN CARB BOWL.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2793	7/23/77 TIME - 0945	WILLSONVILLE,OR	BUFFUM MINI COUPE N75MB DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 50, 222 TOTAL HOURS, 65 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT EVERGREEN,WA	INTENDED DESTINATION HUBBARD,OR			LAST ENROUTE STOP SCAPPOOSE,OR	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING ROLL	
	PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE VALVE ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - LOOSE,PART/FITTING MISCELLANEOUS ACTS,CONDITIONS - LOW COMPRESSION TERRAIN - HIGH VEGETATION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- VW 1600CC ENGINE,LOCK WSHR BROKE AND LOOSENED HOLD DOWN NUT,INTAKE ROCKER DISENGAGED FM PUSH ROD.					
3-0704	2/26/77 TIME - 1400	JULIAN,PA	VOLKSPLANE VP-1 N9228 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 48, 213 TOTAL HOURS, 85 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - RIDGE GLIDER PORT DEPARTURE POINT BELLEFONTE,PA	INTENDED DESTINATION JULIAN,PA			PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING	
	TYPE OF ACCIDENT STALL					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED					
3-2364	5/25/77 TIME - 1630	SHINGLEHOUSE,PA	SPEZIO TU HOL N14921 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE UNK/NR, 53 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - STRIP DEPARTURE POINT SHINGLEHOUSE,PA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION TAXI OTHER	
	TYPE OF ACCIDENT STALL MUSH					
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- ACFT BECAME AIRBORNE DRG HIGH SPEED TAXI RUN.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3317	6/4/77 TIME - 1909	OXFORD, PA	FLY-BABY 1A N5550 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 61, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - OXFORD DEPARTURE POINT OXFORD, PA TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	INTENDED DESTINATION LOCAL UNCONTROLLED		PHASE OF OPERATION UNKNOWN/NOT REPORTED	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED				
3-2313	8/20/77 TIME - 1520	GROVE CITY, PA	STARDUSTER TOO N3263 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 35, 292 TOTAL HOURS, 192 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - GROVE CITY DEPARTURE POINT BUTLER-GRAHAM, PA TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE COLLIDED WITH RUNWAY OR APPROACH LIGHTS	INTENDED DESTINATION GROVE CITY, PA		PHASE OF OPERATION LANDING ROLL LANDING ROLL	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL				
3-3316	8/26/77 TIME - 1300	WASHINGTON, PA	BLUMFELDT SPORT N9052 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 254 TOTAL HOURS, 52 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - WASHINGTON COUNTY DEPARTURE POINT WASHINGTON, PA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH CROP	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING FINAL APPROACH LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS TERRAIN - WET, SOFT GROUND TERRAIN - HIGH VEGETATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND	POWERPLANT FAILURE FOR UNDETERMINED REASONS			



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2936	9/18/77 TIME - 1845	EBENSBURG, PA	MINIPLANE DS N4671T DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 50, 150 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EBENSBURG DEPARTURE POINT EBENSBURG, PA TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS REMARKS- FIRST FLT, OBSVD NOSE HI FM TKOF TO TREE STRIKE ADJ TO RWY.						
3-1018	4/30/77 TIME - 1400	NR. CAMDEN, SC	STARDUSTER 2 N2JL DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 46, 14160 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT CAMDEN AIRPORT, SC TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED  PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FIRE AFTER IMPACT						
3-1936	9/2/77 TIME - 1530	ALLENDALE, SC	AMATEUR ACE-E N91706 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 35, 1600 TOTAL HOURS, 30 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT ALLENDALE, SC TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN  PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM SPARK PLUG POWERPLANT - ENGINE STRUCTURE PISTON, PISTON RINGS MISCELLANEOUS ACTS, CONDITIONS - LOW COMPRESSION FACTOR(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION TERRAIN - WET, SOFT GROUND PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- SPARK PLUGS FOULED-PISTON ERODED IN NUMBER ONE CYLINDER						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3828	12/11/77 TIME - 1515	TEA, SD	LIABLE COUGAR N61292 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 54, 534 TOTAL HOURS, 49 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SKYHAVEN DEPARTURE POINT TEA, SD INTENDED DESTINATION LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN GEAR COLLAPSED LANDING LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER LEVEL OFF PILOT IN COMMAND - IMPROPER RECOVERY FROM BOUNCED LANDING FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE INSTRUMENTS/EQUIPMENT AND ACCESSORIES - FLIGHT AND NAVIGATION INSTRUMENTS AIRSPEED MISCELLANEOUS ACTS, CONDITIONS - ERRATIC  SKY CONDITION CLEAR CEILING AT ACCIDENT SITE UNLIMITED VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED) PRECIPITATION AT ACCIDENT SITE NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE RELATIVE BEARING OF WIND HEAD WIND 338-022 DEGREES TEMPERATURE-F 32 WIND DIRECTION-DEGREES 170 WIND VELOCITY-KNOTS 25 TYPE OF WEATHER CONDITIONS VFR TYPE OF FLIGHT PLAN NONE REMARKS- WND GUSTING 35K						
3-0133	12/5/77 TIME - 1615	ADDISON, TX	DER JAGER D IX N819 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 25, 77 TOTAL HOURS, 2 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - AIR PARK DEPARTURE POINT ADDISON, TX INTENDED DESTINATION LOCAL TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE PHASE OF OPERATION TAKEOFF RUN NOSE OVER/DOWN TAKEOFF RUN  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0134	2/9/77 TIME - 1400	MULESHOE, TX	SKYBOLT 260 N260SB DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	ATP, FLIGHT INSTR., AGE 39. 9000 TOTAL HOURS, 75 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT MULESHOE, TX	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT ACROBATICS		
		TYPE OF ACCIDENT STALL SPIN				
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
REMARKS- UN RECOVER FRM INTENTIONAL INVERTED SPIN, PARACHUTED.						
3-0308	3/16/77 TIME - 1120	PECOS, TX	SMITH-MINI N292J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 42, 606 TOTAL HOURS, 2 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - PECOS MUNICIPAL DEPARTURE POINT MIDLAND, TX	INTENDED DESTINATION PECOS, TX	PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN		
		TYPE OF ACCIDENT GEAR COLLAPSED				
PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC. MISCELLANEOUS ACTS, CONDITIONS - POOR WELD.						
3-0799	5/7/77 TIME - 1630	SPICEWOOD, TX	ASTIR 1 N135SS DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 31, 115 TOTAL HOURS, 28 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SPICEWOOD, TX	INTENDED DESTINATION LOCAL	PHASE OF OPERATION LANDING FINAL APPROACH		
		TYPE OF ACCIDENT STALL MUSH				
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR(S) WEATHER - WIND SHEAR						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION SCATTERED	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 80			
		WIND DIRECTION-DEGREES 135	WIND VELOCITY-KNOTS 10			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
REMARKS- UN MAINTAIN LIFT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1297	6/9/77 TIME - 1100	ALVORD, TX	STARDUSTER TOO N13GH DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 53, 26000 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT DENTON, TX INTENDED DESTINATION LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED PHASE OF OPERATION IN FLIGHT AEROBATICS PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING						
3-2877	8/4/77 TIME - 2145	HERRON, TX	GERSBACH SDWNR N11KG DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 35, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - AIRPARK DEPARTURE POINT DALLAS, TX INTENDED DESTINATION LOCAL TYPE OF ACCIDENT STALL SPIN PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
3-3519	10/15/77 TIME - 1305	KERRVILLE, TX	MUSTANG 11 N363RG DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 1 OT- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 34, 410 TOTAL HOURS, 79 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - KERRVILLE MUNI DEPARTURE POINT KERRVILLE, TX INTENDED DESTINATION LOCAL TYPE OF ACCIDENT COLLISION WITH AIRCRAFT BOTH IN FLIGHT PHASE OF OPERATION LANDING FINAL APPROACH PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT SPECIAL DATA SEGMENTS OF AVIATION INVOLVED - SMALL US GEN. AV.-SMALL US GEN. AV. CONTROLLING AGENCY - NO CONTROL TRAFFIC ADVISORY ISSUED - NONE CONTROL ZONE/AREA - NO HORIZONTAL COLLISION ANGLE-DEGREES - 0 EVASIVE ACTION TAKEN - NO REMARKS- NO RADIO-EQUIPPED. RADAR CTL/SURVEILLANCE - RADAR SERVICE NOT AVAILABLE CONTROLLED/UNCONTROLLED AIRPORT - UNCONTROLLED AIRPORT CONVERGENCE ANGLE-DEGREES - 0 VERTICAL COLLISION ANGLE-DEGREES - 3						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2097	7/3/77 TIME - 1613	BENNINGTON, VT	SCHNEIDER LS-1F N77VL DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 31, 161 TOTAL HOURS, 89 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT NORTH ADAMS, MA	INTENDED DESTINATION RETURN	PHASE OF OPERATION LANDING FINAL APPROACH		
		TYPE OF ACCIDENT COLLIDED WITH TREES				
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE						
FACTOR(S) WEATHER - OTHER TERRAIN - HIGH OBSTRUCTIONS						
WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED						
WEATHER FORECAST - UNKNOWN/NOT REPORTED						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	WIND DIRECTION-DEGREES 315			
		WIND VELOCITY-KNOTS 6	TYPE OF WEATHER CONDITIONS VFR			
		TYPE OF FLIGHT PLAN NONE				
REMARKS- SINGLE WHEEL EQUIPPED. LOST LIFT. GLIDER MOVED FM ACCIDENT SCENE-NOT AUTHORIZED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1069	4/8/77 TIME - 1300	BEALETON,VA	STAMPE SV4C N47SV DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 51, 17000 TOTAL HOURS, 20 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - FLYING CIRCUS DEPARTURE POINT INTENDED DESTINATION WARRENTON,VA BEALETON,VA TYPE OF ACCIDENT PHASE OF OPERATION AIRFRAME FAILURE IN FLIGHT IN FLIGHT NORMAL CRUISE NOSE OVER/DOWN LANDING ROLL  PROBABLE CAUSE(S) AIRFRAME - FLIGHT CONTROL SURFACES AILERON SURFACES, ATTACHMENTS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS  SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER (UNLIMITED) NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE RIGHT CROSS WIND 068-112 DEGREES WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 310 25 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- AIL CABLE FAILED. RWY INTO WIND AVAILABLE.						
3-0962	3/24/77 TIME - 1230	LANGLEY,WA	VOLMER VT22 N117JS DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 37, 613 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PORTERS FIELD DEPARTURE POINT INTENDED DESTINATION LANGLEY,WA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION STALL SPIN IN FLIGHT OTHER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- HOMEBUILT ACFT. FIRST FLT. PLT PRACTICING AT MIN CTL SPEED. PLT STATES, CTLS INEFFECTIVE IN SPIN.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1683	5/1/77 TIME - 1500	KENNEWICK,WA	FAA BIPLANE P N168K DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 64, 4200 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - VISTA FIELD DEPARTURE POINT INTENDED DESTINATION KENNEWICK,WA LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION NOSE OVER/DOWN IN FLIGHT OTHER LANDING ROLL  PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - WET,SOFT GROUND AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PWR LOSS AFTR SLO-ROLL,ENG QUIT AT 900FT.FUEL SELECTOR ON EMPTY TANK.OTR ACFT ON RWY.						
3-1681	7/18/77 TIME - 1845	FERNDAL,WA	WULLE VP2 N5596 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 26, 462 TOTAL HOURS, 113 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION BELLINGHAM,WA LOCAL TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES PHASE OF OPERATION IN FLIGHT NORMAL CRUISE  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- FLYING DOWN RIVER AT 100FT,STRUCK WIRES.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2902	7/19/77 TIME - 1210	SHELTON, WA	TAYLOR 88M N65360 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 38, 22 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SANDERSON FIELD DEPARTURE POINT INTENDED DESTINATION SHELTON, WA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS LANDING TRAFFIC PATTERN-CIRCLING COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT  PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY INSTALLED MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - UNAPPROVED MODIFICATION REMARKS- MCCULLOUGH 4318A ENGINE, PREROTATOR FLEX SHAFT UNCPD, MOVED INTO PROP ARC, M/R STRUCK RUDDER.						
3-2088	7/24/77 TIME - 1145	ARLINGTON, WA	KR-2 N43TS DAMAGE-DESTROYED	CR- 1 1 0 PX- 0 0 0	MISCELLANEOUS EXPERIMENTATION	COMMERCIAL, AGE 50, 3000 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ARLINGTON DEPARTURE POINT INTENDED DESTINATION ARLINGTON, WA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF INITIAL CLIMB  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING COPILOT - FAILURE TO RELINQUISH CONTROL						
3-3103	8/13/77 TIME - 0810	PLAIN, WA	BUSHBY MIDG MUSTNG N73T DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 49, 823 TOTAL HOURS, 162 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION LEWISTON, ID ARLINGTON, WA TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE PROPELLER IN FLIGHT NORMAL CRUISE STALL LANDING FINAL APPROACH  PROBABLE CAUSE(S) POWERPLANT - PROPELLER AND ACCESSORIES BLADE RETENTION MECHANISM PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND PROP/ENGINE VIBRATION REMARKS- SEPN OF 1 BLADE FM PRNP HUB, WARNKE EXPERIMENTAL PROPELLER.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3110	8/21/77 TIME - 1413	VANCOUVER,WA	PITTS MR1 N30059 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS AIR SHOW/RACING	PRIVATE, AGE 63, 3200 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EVERGREEN AIRPORT DEPARTURE POINT INTENDED DESTINATION VANCOUVER,WA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT ACROBATICS  PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE FACTOR(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT REMARKS- ROLLED OUT OF 12 TURN SPIN AT ALT TOO LOW TO COMPLETE RCVRY.DIFFUSE PROSTATIC CARCINOMA.						
3-2786	8/28/77 TIME - 1558	LAKEWOOD CTR,WA	ANDERSON KGFSHR N80E DAMAGE-SUBSTANTIAL	CR- 0 2 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR.. AGE 50, 11000 TOTAL HOURS, 140 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LAKE STEILACOOM DEPARTURE POINT INTENDED DESTINATION TACOMA,WA RETURN TYPE OF ACCIDENT LAST ENROUTE STOP COLLIDED WITH TREES LAKE STEILACOOM,WA PHASE OF OPERATION TAKEDOFF INITIAL CLIMB  PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - FAILED TO ABORT TAKEDOFF FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS ROUGH WATER TERRAIN - HIGH OBSTRUCTIONS WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED  SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED 2200 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) RAIN SHOWERS OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 66 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 240 14 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- WATER TAKEOFF.GUSTS TO 25 KTS.PROLONGED TAKEOFF RUN.UNABLE TO CLEAR TREES AFTER LIFTOFF.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3886	11/3/77 TIME - 1630	SPANAWAY, WA	AEROSPORT QUAIL N9229Z DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 25, 303 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SPANAWAY DEPARTURE POINT INTENDED DESTINATION SPANAWAY, WA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB COLLIDED WITH TREES TAKEOFF INITIAL CLIMB  PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM MAGNETOS PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- MAGNETO LOOSE ON DRIVE PAD, ROTATED. VW-REVEMASTER ENGINE.						
3-4010	8/1/77 TIME - 1523	OSHKOSH, WI	RUSHLEY MUSTNG N48342 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 51, 744 TOTAL HOURS, 72 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - WITTMAN FIELD DEPARTURE POINT INTENDED DESTINATION OSHKOSH, WI LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH IN FLIGHT IN FLIGHT OTHER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT FACTOR(S) PERSONNEL - MISCELLANEOUS-PERSONNEL OTHER  SPECIAL DATA SEGMENTS OF AVIATION INVOLVED - SMALL US GEN. AV. - SMALL US GEN. AV. CONTROLLING AGENCY - NO CONTROL RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT CONVERGENCE ANGLE-DEGREES - 0 HORIZONTAL COLLISION ANGLE-DEGREES - 0 EVASIVE ACTION TAKEN - NO REMARKS- FLY-RY PATTERN, DPTR RTE SAME AS FLY-RY PATTERN. N48342 WAS A LOW WING AIRCRAFT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2638	8/5/77 TIME - 0930	PARDEEVILLE, WI	STARDUSTER BR-2 N9BR DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 47, 721 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PRIVATE STRIP DEPARTURE POINT INTENDED DESTINATION OSHKOSH, WI THOMASTON, GA TYPE OF ACCIDENT PHASE OF OPERATION GROUND-WATER LOOP-SWERVE LANDING ROLL COLLIDED WITH TREES LANDING ROLL PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS WET RUNWAY AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS SOFT RUNWAY						





NTSB

AMM

78-20

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1977

Amateur/Home Built  
Aircraft

EMBRY-RIDDLE AERO U. DAYTONA BEACH



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