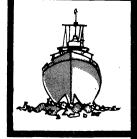


NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C. 20594



Doc NTSB AMM 78 20

BRIEFS OF ACCIDENTS INVOLVING AMATEUR/HOME BUILT AIRCRAFT

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16.Abstract This publication contains reports of U.S. general aviation accidents involving amateur/home built aircraft occurring in 1977. Included are 106 accident Briefs, 21 of which involve fatal accidents. The brief format presents the facts, conditions, circumstances and probable cause(s)/factor(s) for each accident. Additional statistical information is tabulated by type of accident, phase of operation, injury index, aircraft damage, pilot certificate, injuries and causal/factor(s). This publication will be published annually.								
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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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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

 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.
 Engine failure, damage limited to an engine, bent fairings or cowling, 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. <u>Instructional Flying</u> Refers to flying accomplished in supervised training under the direction of an accredited instructor.

KIND OF FLYING

2. Noncommerical 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 - 5	99,650 pounds)
272,001	~	kilograms and greater	(599,651 pound	ls 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.

ABBREVIATION

MEANING

AERIAL ADVERTISE ATR FLIGHT INSTR. AIR SHOW/RACING AIR TAXI-CARGO AIR TAXI-PASSG APPROACH CTL-DEPARTURE APR CTL-TOW ENRT CTL SRV ASSOC CROP CTL ACTIVITIES ASSOC FIRE CTL ACTIVITIES COMMERCIAL, FLIGHT. INSTR. CORP /E XEC CR-CTR CARGO-D CTR CARGO-I CTR PASSG-D CTR PASSG-I LAST ENROUTE STOP MAPPING/PHOTO MIL CONTRACT CARGO INTL MIL CONTRACT PASS6 INTL MILITARY CTR CARGO DOM MILITARY CTR PASSG DOM MIL/CTR CARGO MIL/CTR PASSG NR . NS CTR CARGO NS CTR PASSG NS/CTR REVENUE CARGO DOM NS/CTR REVENUE CARGO INTL NS/CTR REVENUE PASSG DOM NS/CTR REVENUE PASSG INTL 0T-**PARAJUMP** PRIVATE, FL.INST R. PX-RADAR CTL/SURVEILLANCE SCHED CARGO SRV SCHED DOM CARGO SRV SCHED DOM PASSG SRV SCHED INTERNATL CARGO SRV SCHED INTERNATL PASSG SRV SCHED PASSG SRV S-D S- I UNK/NR

AERIAL ADVERTISING AIRLINE TRANSPORT INSTRUCTOR AIR SHOW/AIR RACING AIR TAXI-CARGO OPERATIONS AIR TAXI-PASSENGER OPERATIONS APPROACH CONTROL-DEPARTURE APPROACH CONTROL-TOWER EN ROUTE CONTROL SERVICE ASSOCIATED CROP CONTROL ACTIVITIES ASSOCIATED FIRE CONTROL ACTIVITIES COMMERCIAL FLIGHT INSTRUCTOR CORPORATION/EXECUTIVE CREW CONTRACT/CHARTER-CARGO-DOMESTIC CONTRACT/ CHARTER-CARGO- INTERNATIONAL CONTRACT/CHARTER-PASS ENGER-DOME STIC CONTRACT/CHARTER-PASS ENGER-INTERNATIONAL LAST PLANNED EN ROUTE LANDING POINT AERIAL MAPPING/PHOTOGRAPHY MILITARY CONTRACT-CARGO-INTERNATIONAL MILITARY CONTRACT-PASSENGER-INTERNATIONAL MILITARY CONTRACT-CARGO-DOMESTIC MILITARY CONTRACT-PASSENGER-DOMESTIC MILITARY CONTRACT-CARGO MILITARY CONTRACT-PASSENGER NEAR NONSCHEDULED/CHARTER REVENUE CARGO-INTRA-STATE NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE NONSCHEDULED/CHARTER REVENUE CARGO-DOMESTIC NONSCHEDULED/CHARTER REVENUE CARGO-INTERNATIONAL NONSCHEDULED/CHARTER REVENUE PASSENGER-DOMESTIC NONSCHEDULED/ CHARTER REVENUE PASSENGER-INTERNATL CTHER AIRCRAFT AND GROUND PARACHUTE JUMP PRIVATE FLIGHT INSTRUCTOR PASSENGERS RADAR CONTROL/SURVEILLANCE SCHEDULED CARGO SERVICE SCHEDULED DOMESTIC CARGO SERVICE SCHEDULED DOMESTIC PASSENGER SERVICE SCHEDULED INTERNATIONAL CARGO SERVICE SCHEDULED INTERNATIONAL PASSENGER SERVICE SCHEDULED PASSENGER SERVICE SCHEDULED-DOMESTIC SCHEDULED-INTERNATIONAL UNKNOWN/NOT REPORTED

.

INJURIES, ACCIDENTS U.S. GENERAL AVIATION AMATEUR/HOME BUILT AIRCRAFT 1077

- 1	~		

			INJURIES			
FATAL	SERIOUS	MINOR	NONE	UNKNOWN	, a, a, a, a, a , a,	TOTAL
19 1	23 1	17	47			106 2
4	2	2	10			18
24	26	19	57		ABOARD	126
1	· · · ·		2			3
25	26	19	59			129
	19 1 4 24 1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	FATAL SERIOUS MINOR NONE 19 23 17 47 1 1 1 47 4 2 2 10 24 26 19 57 1 2 2 2	FATAL SERIOUS MINOR NONE UNKNOWN 19 23 17 47 1 1 1 47 4 2 2 10 24 26 19 57 1 2 2 2	FATAL SERIOUS MINOR NONE UNKNOWN 19 23 17 47 4 2 2 10 24 26 19 57 ABOARD 1 2 2 10 1 1

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.

PAGE

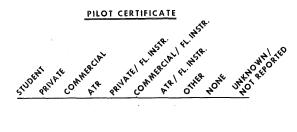
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HOURS IN TYPE BY PILOT CERTIFICATE

	PILOT		
	STUDENT PRIVATE OMMERCIAL	CONNECCALI DINGR	al 160 108
HOURS IN TYPE			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			1
UNKNOWN/ NOT REPORTED	1 4 2	1	. 8 8 7 . 55
OTHER			
		· .	
RECORD C			
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	

KIND OF FLYING BY PILOT CERTIFICATE



RECORDS ACCIDENTS PERCENT

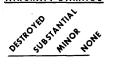
KIND OF FLYING

INSTRUCTIONAL		
DUAL		
SOLO		
CHECK		
TRAINING	1	1 1 •94
NONCOMMERCIAL		
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		213. -
COMMERCIAL		
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		

KIND OF FLYING BY PILOT CERTIFICATE

	PILO	CERTIFICATE		
KIND OF FLYING	SUDEN COMMECCAL	PRIATE OFFER	No teo	S ACCIDENTS PÊRCENT
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			en e	
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	•	
	1		•	• ·

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE



FIRST

TYPE OF ACCIDENT

RECORDS ACCIDENTS PERCENT

.

	102					
	GROUND-WATER LOOP-SWERVE	7.		7	ר '	6.60
	DRAGGED WINGTIP POD OR FLOAT				•	
	WHEELS-UP LANDING	• •				
	WHEELS-OOWN 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
	COLLISION BETWEEN AIRCRAFT					
	BOTH IN FLIGHT	. 1 1		2	2	1.89
	ONE AIRBORNE					
	BOTH ON GROUND					
	COLLISION WITH GROUND/WATER					
	CONTROLLED	3		3	. 3	2 .83
	UNCONTROLLED	10 3		1.3	13	12.26
	COLLIDED WITH					
	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					

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST	54 ²	IROTED SUB	MINOR NON	ç.					
TYPE OF ACCIDENT			<u> </u>			RECORDS		NTS PERCENT	
STALL	3	1				4	4	3.77	
SPIN	5	1				6	6	5.66	
SPIRAL									
MUSH	1	2				3	3	2.83	
FIRE OR EXPLOSION									
IN FLIGHT									
ON GROUND									
AIRFRAME FAILURE									
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	
PROPELLER/ROTOR FAILURE									
PROPELLER		3				3	3	2.83	
TAIL ROTOR									
MAIN ROTOR									
PROP ROTOR ACONT TO PERSON									
JET INTAKE/EXH ACONT TO PERS									
PROPELLER/JET/ROTOR BLAST									
TURBULENCE									
HAIL DAMAGE TO AIRCRAFT									
LIGHTNING STRIKE									
EVASIVE MANEUVER									
UNCONTROLLED ALT DEVIATION									
DITCHING									
MISSING ACFT NOT RECOVERED									
MISCELL ANEOUS/OTHER	1					1	1	.94	
UNDETERMINED									
							•		
RECORDS	37	67	2			106	·		

RECORDS	37	57 2	
ACCIDENTS	37 (57 2	
PERCENTS	34.9 63	.2 1.9	• 0

106

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE

FATAL SERIOUS NOR ONE

RECORDS ACCIDENTS PERCENT

STATIC			
STARTING ENGINE/S			
IDLING ENGINE/S			
ENGINE RUNUP			
IDLING ROTORS			
PARKED-ENGINES NOT OPERATING			
OTHER.			
TAXI			
TO TAKEOFF			
FROM LANDING			
OTHER	'1	1	1.94
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	· · · · · · · · · · · · · · · · · · ·		
TAKEOFF			
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			
INFLIGHT			
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

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

				ج.	•				
OP	FIRST ERATIONAL PHASE	4P	I A L SU	4 ¹⁰	1408 NE		Records.	ACCIDENTS	PERCENT
	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								
	LANDING								
	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 1	0.38
	ROLL (FIXED WING)				7		7	7	5.60
	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				

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

	FAT	AL ACCID	ENTS	NONFA	TAL ACCI	DENTS	AL	L ACCIDE	NTS
BROAD CAUSE/FACTOR	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	101AL*	CAUSE	FACTOR	TOTAL*
PILOŤ	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	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 DNCE UNDER THE TOTAL FOR THAT CATEGORY

AMATEUR/HOME BUILT AIRCRAFT

U.S. GENERAL AVIATION ACCIDENTS 1977 (EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES

106 TOTAL ACCIDENTS

I NVOL VES 21 FATAL ACCIDENTS

	FAT	AL ACCID	ENTS	NONFATAL ACCIDENTS			ALL ACCIDENTS		
DETAILED CAUSE/FACTOR	CAUSE	FACTOR	TO TAL	CAUSE	FAC TOR	TOTAL	CAUSE	FAC TOR	TO TAL
** PILOT **									
ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT BECAME LOST/DISORIENTED CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS DELAYED IN INITIATING GO-ARDUND FAILED TO RETRACT LANDING GEAR FAILED TO SEE AND AVOID OTHER AIRCRAFT FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FAILED TO USE OR INCORRECTLY USED MISC EOUIPMENT IMPROPER OPERATION OF FOMERPLANT + POWERPLANT CONTROLS IMPROPER OPERATION OF FOMERPLANT + POWERPLANT CONTROLS IMPROPER OPERATION OF FLIGHT CONTROLS SELECTED UNSUITABLE TERRAIN MISJUDGED DISTANCE, SPEED, AND ALTITUDE MISJUDGED DISTANCE AND SPEED MISJUDGED DISTANCE AND ALTITUDE MISJUDGED DISTANCE AND ALTITUDE MISJUDGED DISTANCE AND ALTITUDE MISJUDGED DISTANCE AND ALTITUDE MISJUDGED OSTANCE AND ALTITUDE SELECTED WARNA FROM BOUNCED LANDING FAILED TO MAINTAIN DIRECTIONAL CONTROL SELECTED WANG RUWWAY RELATIVE TO EXISTING WIND FAILED TO ADORT AKEOFF FAILED TO ADORT AKEOFF FAILED TO ANDTAIN DIRECTIONAL CONTROL	1 4 4 1 1 1 1	. 2	1 4 4 1 1 1 1 1 1 2	1 1 1 1 1 1 1 1 1 1 1 1 2 5 1 1 7 5 6 5 1 2 1 3 1 2 6 1 2 2 5 1 2 1 3 1 2 6 1 2 2 5 2 5 1 2 1 3 1 2 5 6 6 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 7 7 1 2 6 1 2 1 3 1 2 6 1 2 2 2	1 1 1 2 5 17 1 3 1 9 2 5 1 8 6 7 1 5 1 2 1 3 1 4 2 6 1 2 2 2	1 7 2	1 1 1 1 2 5 17 1 1 3 17 1 1 3 17 1 1 5 5 1 1 1 5 1 1 1 2 2 2 2 2 2 2 2 2
SUBTOTAL	18	° 2	zó	84	8	92	102	10	112
OPILOT FAILURE TO RELINQUISH CONTROL	1		1				1		1
SUB TOTAL	1		1				1		1
** PERSONNEL **									
LIGHT INSTRUCTOR AINTENANCE, SERVICING, INSPECTION IMPROPERLY SERVICED AIRCRAFT(OWNER-PILOT) IMADEQUATE MAINTENANCE AND INSPECTION DPERATIONAL SUPERVISORY PERSONNEL REATHER PERSONNEL RAFFIC CONTROL PERSONNEL IRPORT SUPERVISORY PERSONNEL VIRWAYS FACILITIES PERSONNEL VIRWAYS FACILITIES PERSONNEL	2		2	1 2	. I	1 3	1 4	1	1 5
PODR/INADEQUATE DESIGN OTHER				3 2		. 2	3 2		3 2
NISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT OTHER HIRD PILOT		1	1	1		1	1	1	1

PERSONNEL (CONTINUED)		TAL ACCIE			TAL ACCI		ALL ACCIDENTS		
DETAILED CAUSE/FACTOR	C AU SE	FACTOR	TO TAL		FAC TOR	TOTAL		FACTOR	TOTAL
 FLIGHT PERSONNEL DISPATCHING (AIR CARRIER ONLY)									
S UB T OT AL	2	1	з	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 GEAR LOCKING MECHANISM FLIGHT CONTROL SURFACES				1 1		1 1	1 1		. 1
ELEVATOR, ASSEMBLY ATTACHMENTS RUDDER, SURFACES ATTACHMENTS	1	1	1 1				1	1	1 1
AILERON, SURFACES ATTACHMENTS VERTICAL STABILIZER, ATTACHMENTS	. 1		1	1		1	1		1 1
SUB THAL	3	1	4	6	1	7	9	2	11
** POWERPLANT **									
ENGINE STRUCTURE MASTER AND CONNECTING RODS				1		1	1		1
PISTON, PISTON RINGS VALVE ASSEMBLIES				3		3	3 2		3
IGNITION SYSTEM MAGNETOES				. 1		1	1		1
SPARK PLUG FUEL SYSTEM				2		2	2		2
TANKS PUMPS				1 1		1 1	1		1
VENTS, DRAINS, TANK CAPS OTHER				1	1	1 1	1	1	1 1
LUBRICATING SYSTEM COOLING SYSTEM PROPELLER AND ACCESSORIES									
BLADES BLADE RETENTION MECHANISM				2 1		2 1	2 1		, 2 1
EXHAUST SYSTEM ENGINE ACCESSORIES				-		-	-		-
ENGINE CONTROLS THROTTLE-POWER LEVER ASSEMBLIES				2		2	. 2		2
POWERPLANT-INSTRUMENTS MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS REDUCTION GEAR ASSEMBLY	1		1	3		3	4.		4
COMPRESSOR ASSEMBLY COMBUSTION ASSEMBLY TURBINE ASSEMBLY									
LUBR CATING 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									

SYSTEMS (CONTINUED)		AL ACCID			TAL ACCI			L ACCIDE	NTS
DETAILED CAUSE/FACTOR ·		F AC TOR			FACTOR			FAC TOR	TOTAL
FLIGHT CONTROL SYSTEMS ANTI-ICING, DE+ICING SYSTEMS CARBURETOR DE+ICING SYSTEM AIR CONDITION, HEATING AND PRESSURIZATION AUTO PILOT FIRE MARNING SYSTEM FIRE EXTINGUISHER SYSTEM DAYGEN SYSTEM OTHER SYSTEMS				.1		1	1		1
SUBTOTAL				1		. 1	1		1
** INSTRUMENTS/EQUIPMENT AND ACCESSORIES **					•				
FLIGHT AND NAVIGATION INSTRUMENTS Airspeed Communications and navigation equipment Miscellaneous equipment					1	1		1	1
SUBTOTAL					1	1		1	1
** ROTORCRAFT **						·. ·		•	
ROTOR ASSEMBLIES TRANSMISSION ROTOR DRIVE SYSTEM OTHER FLIGHT CONTROL SYSTEMS MISCELLANEOUS UNITS AND ASSEMBLIES	1		1-		·		1		1
SUBTOTAL	1		1				· 1 ·		1
** AIRPORTS/AIRWAYS/FACILITIES **									
AIRPORT FACILITIES AIRPORT CONDITIONS WET RUNWAY ROUGH WATER SOFT RUNWAY OTHER AIRWAYS FACILITIES			·		1 1 1 2	1 1 1 2		1 1 1 2	1 1 1 2
SUB TOT AL					5	5		5	5
** WEATHER **									·• .
RAIN CONDITIONS CONDUCIVE TO CARB/INDUCTION SYSTEM ICING UNFAVORABLE WIND CONDITIONS WIND SHEAR SUDDEN WINDSHIFT HIGH TEMPERATURE HIGH DENSITY ALTITUDE OTHER		1	1	1	1 2 5 1 1 1 1 1	1 2 5 1 2 1 1 1	1	1 6 1 1 1 1	1 2 6 1 2 1 1
SUBTOTAL		· 1	1	1	13	14	1	14	15
** TERRAIN **							•		
WET, SOFT GROUND HIGH VEGETATION HIDDEN ORSTRUCTIONS ROUGH/UNEVEN HIGH OBSTRUCTIONS OTHER	1		1	1 3 1 1 2	2 2 5 7 1	3 5 1 6 9 1	1 3 1 2 2	2 2 5 7 1	3 5 1 7 9 1
SUBTOTAL	1		1	8	17	25	9	17	26
** MISCELLANEDUS **									
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS UNDETERMINED VORTEX TURBULENCE ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP EVASIVE MANEUVER TO AVOID COLLISION	4		4 .	1 4 1 4	1	1 4 1 1 4	1 8 1 4	1	1 8 1 1 4
SUB TOTAL	4		4	10	1	11	14		
GRAND TOTAL	31	5	36	140	48	188	171	53	224

	FATAL ACCIDENTS			NONEA	TAL ACCI	DENTS	ALL ACCIDENTS		
DETAILED CAUSE/FACTOR	CAUSE	FACTOR	TOTAL	CAUSE	FAC TOR	TOTAL	CAUSE	FAC TOR	TOTAL
** MISCELLANEOUS ACTS, CONDITIONS **									
UNAPPROVED MODIFICATION		1	1					1.	· 1
POOR WELD				1		1	1		ં 1
L EAK / L EAKAGE					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				i		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	З		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	ī		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	ĩ		ĩ	ģ		9	· 10		10

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

AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.	T DATE 	LOCATION	AIRCRAF MAKE	T 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	DIX	MINOR
3 0134	N260SB	020977	MULESHOE,TX	SKYBOLT	260	NONE
3 0164	N2259C	011977	DAVENPORT.CA	PITTS SPEC	S 1C	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	Е	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- <u>1</u>	NONE
3 0728	NGBH	040377	RENSSELAER, IN	STARDUSTER	S A 2 00	SERIOUS
3 0763	N5016J	032477	SELMA,AL	HELTON LARK	95	NONE
3 0779	N8157	040577	BISBEE, AZ	STITS	S A-3 A	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

AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.	T DATE		AIRCRAF MAKE	MODEL	INJURY INDEX
		-				
3 1069	N475V	040877	BEALETON, VA	STAMPE	SV4C	MINOR
3 1075	N68107	061177	TUCSON, AZ	TAILWIND	1	SER I OUS
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	T 00	FATAL
3 1332	N50JE	062277	CORONA,CA	CASSUTT	SPORT	SERIOUS
3 1400	N9TJ	051877	OLATHE,KS	PITTS	S 1S	NONE
3 1 5 1 6	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	N1BF	070277	KILLINGWORTH,CT	HEBEL	B-1	SERIOUS
3 1681	N5596	071877	FERNDALE, WA	WULLE	VP2	MINOR
3 1682	N9EG	060577	ALBANY,OR	TAILWIND	W8	SERIOUS
3 1683	N168K	050177	KENNEWICK, WA	EAA BIPLANE	Ρ	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
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AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.	T DATE	LOCATION	A I RCRAF MAKE	T MODEL	INJURY INDEX
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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	AC E-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	IRWINOOH	STOLP	STARLE	NONE
3 2265	N72TD	072977	BARNESVILLE, OH	STARDUSTER	SA-300	NONE
3 2273	NIORB	090577	COLUMBUS, OH	STARDŮSTER	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	ΜΔΝΚΑΤΟ, ΜΝ	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	N2 RL	062077	NLOCKPORT,IL	PITTS	S 1	NONE
3 2608	N16655	072777	NCHESTER TON , IN	VOLKSPLANE	VP-IFD	SERIOUS
			PAGE 16	•		

AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.	T DATE		A I R C R A F MAK E	T MODEL	INJURY INDEX
- · .	· ·	- ·		· ·		
3 2614	N65209	082077	SPEEDWAY, IN	EVANS	VP-1	SERIOUS
3 2619	N375JK	080477	DETROIT,MI	BEDE	8D-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	NLONGMONT, 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	NIIKG	080477	HEBRON, TX	GERSBACH	SDWNDR	FATAL
3 2902	N65360	071977	SHELTON, WA	TAYLOR	B 8M	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	DIX	NONE
3 3065	N51911	101377	WATSONVILLE CA	AMSEL-ROBBI	·	SERIOUS

AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.			A I RCRAF 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 31 32	N4600	070277	HUMP ISLAND. AK	VOLMER	U J-22	MINOR
3 3145	N5653	072577	ROCKFORD, IL	BENSEN	B8M	MINOR
3 3146	N2785	080177	VALPARAISO, IN	TURNER	T-40A	FATAL
3 3300	N107D	112277	CREVE COEUR,MO	COOT	Α	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	1 A	FATAL
3 3349	N4477M	103077	LODI,CA	MARSKE	MONARC	SERIOUS
3 3359	N5240	111177	BOULDER CITY, NV	JEANIE	TEENIE	FATAL
3 3478	N362RB	102577	NEULTON,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	СООТ	Δ	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

AMATEUR/HOME BUILT AIRCRAFT

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

FILE NUMBER	AIRCRAF REGIST.	-	LOCATION	AIRCRAF MAKE	T 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,₩I	BUSHBEY	MUSTNG	FATAL
3 4020	N3146	080877	LAKEVILLE, MN	WENDT	WH-1	FATAL
3 4022	N2997G	071677	JORD AN . 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 SELMA+AL TIME - 1730 NAME OF AIRPORT - SKYHARBOR	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.
	DEPARTURE POINT	INTENDED DESTINATION RETURN			
	TYPE OF ACCIDENT COLLIDED WITH ANIMALS			F OPERATION NG LEVEL OFF/TOUCHDOWN	400

PROBABLE CAUSE(S)

MISCELLANEOUS - ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP Remarks- Acft Struck deer on LNDG at uncontrolled arpt

BRIEFS OF ACCIDENTS FILE DATE AIRCRAFT DATA INJURIES PILOT DATA LOCATION FLIGHT F S M/N PURPOSE ------CR- 0 0 1 NONCOMMERCIAL 3-3132 7/2/77 HUMP ISLAND,AK VOLMER UJ-22 PRIVATE, AGE 46, 83 TOTAL PX- 0 0 0 PLEASURE/PERSONAL TRANSP HOURS, 76 IN TYPE, NOT TIME - 1630 N4600 DAMAGE-SUBSTANTIAL INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION JUNEAU, AK LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE WHEELS-DOWN LANDING IN WATER 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 NR.SUSITNA LODGE.AK WILLBIRD 01 CR- 0 0 1 NONCOMMERCIAL PRIVATE, AGE 26, 180 TIME - 1630 N67272 PX- 0 0 1 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 127 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION SUSITNA LODGE,AK TALKEETNA,AK TYPE OF ACCIDENT PHASE OF OPERATION NOSE OVER/DOWN 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.

FILE	DATE	LOCATION	AIRCRAFT DATA			IES S M/N	J	FLIGHT PURPOSE		PILOT DATA
3-0445	3/1/77 TIME - 1700	GLENDALE + AZ	HICKS & SHU SPECL N2237 DAMAGE-SUBSTANTIAL	CR- PX-						PRIVATE, AGE 25, 420 TOTAL HOURS, 340 IN TYP NOT INSTRUMENT RATED.
	NAME OF AIR	PORT THUNDERBIR								NOT INSTRUMENT RATED.
	DEPARTURE PI		INTENDED DESTINATION							
	GLENDALE		LOCAL							
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION							PERATION		
	HARD LAND							FINAL APPRO LEVEL OFF/T		
	PROBABLE CAN	USE(S)	· · · ·				•			
	MISCELLAN	EOUS ACTS, CONDITI	LS THROTTLE-POWER LE DNS - DISCONNECTED DNS - FUEL STARVATION	VER AS	SEM	BLIES	5			
			NEUVER TO AVOID COLLI	SION						
		HIGH OBSTRUCTION:	s	~						
	PARTIAL POW	ER LOSS - PARTIAL	LOSS OF POWER - 1 EN							
			RCED LANDING OFF AIRP						LIDDED OVE	
	KEMAKKS- IM		INNELTED FIEDT FORCED	ACFT		640 0	,01 1	0 1100313 0 1		ו00313 25K
3-0342	3/5/77 NR	• MESA • A7	HATCHER KR-1	CR-	0	0 1	NC	NCOMMERCIAL		PRIVATE, AGE 51, 409
3-0342	TIME - 1050		N28210						NAL TRANSP	TOTAL HOURS, 20 IN TYPE
			DAMAGE-SUBSTANTIAL							NOT INSTRUMENT RATED.
		PORT - FALCON								NUT INSTRUMENT RATED.
	DEPARTURE PO		INTENDED DESTINATION							NUT INSTRUMENT RATED.
	DEPARTURE PO MESA+AZ	DINT			P	HASE	nF (IP FR A TI ON		NUT INSTRUMENT RATED.
	DEPARTURE PO	DINT	INTENDED DESTINATION		PI			PPERATION ROLL		NUT INSTRUMENT KATED.
	DEPARTURE PO MESA+AZ TYPE OF ACC GEAR COLL PROBABLE CAU	DINT IDENT APSED USE(S)	INTENDED DESTINATION LOCAL			LAND	ING	ROLL	c	NUT INSTRUMENT KATED.
	DEPARTURE PO MESA+AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME	DINT IDENT APSED USE(S) - LANDING GEAR MA	INTENDED DESTINATION LOCAL			LAND	ING	ROLL	С.	NUT INSTRUMENT KATED.
	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLAN	DINT IDENT APSED USE(S) — LANDING GEAR MU EDUS ACTS.CONDITI	INTENDED DESTINATION LOCAL			LAND	ING	ROLL	с.	NUT INSTRUMENT KATED.
	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLANI PERSONNEL	DINT IDENT APSED USE(S) — LANDING GEAR MU EDUS ACTS.CONDITI	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR GON-PERSONNEL OTHER			LAND	ING	ROLL	с.	NUT INSTRUMENT KATED.
·	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLANI PERSONNEL	DINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS,CONDITI - PRODUCTION-DES	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR GON-PERSONNEL OTHER			LAND	ING	ROLL	с.	NUT INSTRUMENT KATED.
3–0779	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME MISCELLAN PERSONNEL REMARKS- LO	DINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS.CONDITI - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR IGN-PERSONNEL OTHER TOO POROUS. STITS SA-3A	E CR-	SΥ,	LAND STRUT) ING (5, AT	ROLL TACHMENTS+ET	· · · · ·	PRIVATE, AGE 51, 890
3-0779	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAL AIRFRAME MISCELLANI PERSONNEL REMARKS- L	DINT IDENT APSED USE(S) — LANDING GEAR MA EDUS ACTS.CONDITION — PRODUCTION-DES GR CASTING FAILED BISBEE.AZ	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ARSORB DNS - MATERIAL FAILUR GON-PERSONNEL OTHER .TOO POROUS.	E CR-	SΥ,	LAND STRUT) ING (5, AT	ROLL TACHMENTS+ET	· · · · ·	PRIVATE, AGE 51, 890 Total Hours, unk/nr in Type, not instrument
3–0779	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLANI PERSONNEL REMARKS- L O 4/5/77 TIME - 1650 DEPARTURE PI	OINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS.CONDITION-DES GR CASTING FAILED BISBEE.AZ OINT	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR IGN-PERSONNEL OTHER TOO POROUS. STITS SA-3A N8157 DAMAGE-DESTROYED INTENDED DESTINATION	E CR-	SΥ,	LAND STRUT) ING (5, AT	ROLL TACHMENTS+ET	· · · · ·	PRIVATE, AGE 51, 890 TOTAL HOURS, UNK/NR IN
3–0779	DEPARTURE P(MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAL AIRFRAME - MISCELLANI PERSONNEL REMARKS- LO 4/5/77 TIME - 1650 DEPARTURE P BISBEE.AZ	DINT IDENT APSED USE(S) - LANDING GEAR M/ EOUS ACTS.CONDITI - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ DINT	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR IGN-PERSONNEL OTHER TOO POROUS. STITS SA-3A N8157 DAMAGE-DESTROYED	E CR-	1 0	LAND STRUT) ING (S+AT) N() PL	ROLL TACHMENTS.ET DNCOMMERCIAL EASURE/PERSO	· · · · ·	PRIVATE, AGE 51, 890 Total Hours, unk/nr in Type, not instrument
3-0779	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLANI PERSONNEL REMARKS - LO 4/5/77 TIME - 1650 DEPARTURE PI BISBEE.AZ TYPE OF ACC	DINT IDENT APSED USE(S) - LANDING GEAR M/ EOUS ACTS.CONDITI - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ DINT	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR IGN-PERSONNEL OTHER TOD POROUS. STITS SA-3A N8157 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	E CR-	1 0	LAND STRUT 0 0 0 0	DING TS,AT D NC D PL	ROLL TACHMENTS+ET	INAL TRANSP	PRIVATE, AGE 51, 890 Total Hours, unk/nr in Type, not instrument
3-0779	DEPARTURE PO MESA.AZ TYPE OF ACC GEAR COLL PROBABLE CAU AIRFRAME - MISCELLANN PERSONNEL REMARKS - LO 4/5/77 TIME - 1650 DEPARTURE PI BISBEE.AZ TYPE OF ACC COLLISION PROBABLE CAU	OINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS.CONDITION- - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ OINT IDENT WITH GROUND/WATED USE(S)	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ARSORB DNS - MATERIAL FAILUR (GN-PERSONNEL OTHER TOD POROUS. STITS SA-34 N8157 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL R CONTROLLED	E CR-	1 0	LAND STRUT 0 0 0 0	DING TS,AT D NC D PL	ROLL TACHMENTS, ET INCOMMERCIAL EASURE/PERSO	INAL TRANSP	PRIVATE, AGE 51, 890 Total Hours, unk/nr in Type, not instrument
3-0779	DEPARTURE PO MESA.AZ TYPE OF ACC: GEAR COLLA PROBABLE CAL AIRFRAME - MISCELLAN PERSONNEL REMARKS- L 4/5/77 TIME - 1650 DEPARTURE PI BISBEE.AZ TYPE OF ACC COLLISION PROBABLE CAL PILOT IN	OINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS.CONDITI - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ OINT IDENT WITH GROUND/WATEH USE(S) COMMAND - EXERCIS	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR IGM-PERSONNEL OTHER TOD POROUS. STITS SA-3A N8157 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL R CONTROLLED ED POOR JUDGMENT	E CR-	1 0	LAND STRUT 0 0 0 0	DING TS,AT D NC D PL	ROLL TACHMENTS, ET INCOMMERCIAL EASURE/PERSO	INAL TRANSP	PRIVATE, AGE 51, 890 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT
3-0779	DEPARTURE PO MESA.AZ TYPE OF ACC: GEAR COLL PROBABLE CAL AIRFRAME - MISCELLANI PERSONNEL REMARKS- LO 4/5/77 TIME - 1650 DEPARTURE PI BISBEE.AZ TYPE OF ACC COLLISION PROBABLE CAL PILOT IN PILOT IN	OINT IDENT APSED USE(S) - LANDING GEAR MA EOUS ACTS.CONDITION- - PRODUCTION-DES GR CASTING FAILED BISBEE.AZ OINT IDENT WITH GROUND/WATED USE(S)	INTENDED DESTINATION LOCAL AIN GEAR-SHOCK ABSORB DNS - MATERIAL FAILUR GON-PERSONNEL OTHER TOO POROUS. STITS SA-3A N8157 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL R CONTROLLED ED POOR JUDGMENT ED ALTITUDE	E CR-	1 0	LAND STRUT 0 0 0 0	DING TS,AT D NC D PL	ROLL TACHMENTS, ET INCOMMERCIAL EASURE/PERSO	INAL TRANSP	PRIVATE, AGE 51, 890 Total Hours, unk/NR IN Type, not instrument

FILE	DATE LO	CATION	AIRCRAFT DATA			IES S M/N		IGHT RPOSE		PILOT DATA
3-1182	5/21/77 MAYER, TIME - 1100 DEPARTURE POINT	The second second	TAILWIND W-8A N19EW DAMAGE-DESTROYED NTENDED DESTINATION					MMERCIAL JRE/PERSONAL	. TRANSP	PRIVATE, AGE 53, 358 TOTAL HOURS, 107 IN TYPE NOT INSTRUMENT RATED.
	PRESCOTT.AZ	1,	MESA+AZ							
	TYPE OF ACCIDENT ENGINE FAILURE COLLIDED WITH		אראי ארא ארא ארא ארא ארא ארא ארא ארא ארא		PI	IN F		ATION NORMAL CRUIS VEL OFF/TOUC		
	TERRAIN - ROUGH PARTIAL POWER LOS COMPLETE POWER LO	SCELLANEOUS /UNEVEN S - UNKNOWN/M SS - UNKNOWN/ TANCES - FOR(•				ED REAS	S NC		
3-1075	6/11/77 TUCSON TIME - 0900	• AZ	TAILWIND 1 N68107 DAMAGE-SUBSTANTIAL					MMERCIAL URE/PERSONAL	TRANSP	PRIVATE, AGE 65, 591 TOTAL HOURS, 108 IN TYPE NOT INSTRUMENT RATED.
	NAME OF AIRPORT - DEPARTURE POINT TUCSON+AZ		NTENDED DESTINATION							
	TYPE OF ACCIDENT COLLIDED WITH	WIRES/POLES			PI		OF OPERA	ATION NAL APPROACH	4	
	FACTOR(S) TÉRRAIN - HIGH	D - FAILED TO OBSTRUCTIONS	SEE AND AVOID OBJE	CTS OR	08	STRUC	TIONS			
•	MISCELLANEOUS A		SUNGLARE .							
3-1218	6/11/77 BERRYV TIME - 1115	ILLE.AR	BENSEN BBM N3121 DAMAGE-DESTROYED					MMERCIAL JRE/PERSONAL	TRANSP	STUDENT, AGE 58, 100 TOTAL HOURS, ALL IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE POINT	١١	TENDED DESTINATION							
	BERRYVILLE,AR Type of Accident		LUUAL		PI	ASE	OFOPER	ATION		
	AIRFRAME FAILUR	E IN FLIGHT				IN F	LIGHT	NORMAL CRUIS	SE	
	PROBABLE CAUSE(S)									
	PILOT IN COMMAN FACTOR(S)	D - IMPROPER	OPERATION OF FLIGHT	CONTR	ULS					
		CTS+CONDITIO	JRFACES RUDDER SURF. NS - SEPARATION IN F PANEL.		TTA	CHMEN	TS			
	1999 	na ta Na Tang mang manakan karta								
			1. A.	PAGE	2	3				

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FILE .	DATE	LOCATION	AIRCRAFT DATA		IJUR] F S	SΜ	/N	FLIGHT PURPOSE	PILOT DATA
-3077	11/13/77 TIME - 122	WHEATLEY, AR 20	MUSTANG II N18811 DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS FERRY	COMMERCIAL, FL.INSTR., AGE 36, 658 TOTAL HOUDS, 12 IN TYPE, INSTRUMENT RATED.
	DEPARTURE COOKVILL TYPE OF AC PROPELLE		P٢	-	-	F OPERATION IGHT DESCENDING			
	MISCELLA FACTOR(S) MISCELLA	ANT - PROPELLER AN ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT	D ACCESSORIES BLADES IONS - MATERIAL FAILUR IONS - SEPARATION IN F DRCED LANDING OFF AIRP	LIGHT	I LAN	۱D			
-0037	1/8/77 TIME - 103	MONTCLAIR,CA	STARDUSTER SA-200 N76GS DAMAGE-SUBSTANTIAL				-		PRIVATE, AGE 39, 131 P TOTAL HOURS, 54 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE OXARD+CA TYPE OF AC	A CCIDENT FAILURE OR MALFUNC	INTENDED DESTINATION MONTCLAIR.CA		P۴	ΙN	FL	F OPERATION IGHT DESCENDING NG ROLL	
	MISCELLA FACTOR(S) TERRAIN MISCELLA COMPLETE F EMERGENCY	N COMMAND - IMPROP ANEOUS ACTS,CONDIT - ROUGH/UNEVEN ANEOUS ACTS,CONDIT POWER LOSS - COMPL	ER OPERATION OF POWERP IONS - FUEL STARVATION IONS - OVERLOAD FAILUR ETF ENGINE FAILURE/FLAI DRCED LANDING OFF AIRP MID-RANGE.	E MEOUT-	·1 EM	١ĠΙ	-	NT CONTROLS	
-0034	1/16/77 TIME - 113	EL MIRAGE,CA	BENSEN 8-8						PRIVATE, AGE 59, 125 P TOTAL HOURS, 25 IN TYPE,
	NAME OF A) DEPARTURE EL MIRAC TYPE OF AC	IRPORT - EL MIRAGE POINT GE∙CA	DAMAGE-DESTROYED INTENDED DESTINATION LOCAL		Pł	HAS	En	F OPERATION F INITIAL CLIMB	NOT INSTRUMENT RATED.
			ER OPERATION OF FLIGHT •	CONTR	ROLS				

BRIEFS OF ACCIDENTS

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FILE	DATE	LOCATION	AIRCRAFT DATA		F	IES S M/	'N	FLIGHT PURPOSE	PILOT DATA
3-0164	1/19/77 TIME - 163		PITTS SPEC S1C N2259C DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 30, 166 TOTAL HOURS, 50 IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE SAN JOSE TYPE OF AC	POINT •CA	INTENDED DESTINATION DAVENPORT,CA		Ρ	HASE	: OF	- OPERATION	
	OVERSHOO NOSE OVE	Т				LAN	1D I N	NG LEVEL OFF/TOUCHDOWN NG ROLL	
	PILOT IN MISCELLA	COMMAND - MISJUD COMMAND - FAILED	GED DISTANCE AND SPEED TO INITIATE GO-AROUND ANEUVER TO AVOID COLLI: END OF RWY.	5 I ON					
3-0223	3/3/77 TIME - 153		BREELIEB N9488 DAMAGE-SUBSTANTIAL		-	-	-	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	PRIVATE, AGE UNK/NR, 56 P TOTAL HOURS, 10 IN TYPE NOT INSTRUMENT RATED.
	NAME OF AI DEPARTURE FREMONT,		NG INTENDED DESTINATION FREMONT,CA						
	TYPE OF AC HARD LAN				Ρ			F OPERATION NG LEVEL OFF/TOUCHDOWN	
		COMMAND - IMPROP	PER LEVEL OFF ER RECOVERY FROM BOUNC	ED LAN	DIN	G			
	WEATHER	- UNFAVORABLE WIN	D CONDITIONS						
	SKY CONDIT SCATTERE	-			С			AT ACCIDENT SITE ITED	
	VISIBILITY	AT ACCIDENT SITE R(UNLIMITED)			Ρ		PIT	TATION AT ACCIDENT SITE	
	OBSTRUCTIO NONE	NS TO VISION AT A	CCIDENT SITE		W	IND 290		RECTION-DEGREES	
	WIND VELOC 15	ITY-KNOTS	•		Ť	YPE VFF	-	WEATHER CONDITIONS	

 -ILE	DATE	LOCATION	AIRCRAFT DATA			IES		FL IGHT	PILOT DATA
ILL.	DATE	LICATION	AINCNAFT DATA			S M,	'N	PURPOSE	FILOT DATA
-1332	6/22/77 TIME - 14	CORONA,CA 15 IRPORT - CORONA	CASSUTT SPORT N50JE DAMAGE-DESTROYED					NONCOMMERCIAL PRACTICE	PRIVATĖ, AGE 36, 3000 TOTAL HOURS, O IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE CORONA+ TYPE OF A	POINT IN CA	INCONTROLLED		Ρ			F OPERATION IGHT CLIMB TO CRUISE	
	PROBABLE PILOT I PILOT I	CAUSE(S) N COMMAND - IMPROPER N COMMAND - LACK OF F	OPERATION OF FLIGHT FAMILIARITY WITH AIR	CRAFT		i	-	NTROL.FLIGHT LASTED THE	REE MINUTES.
1517	7/10/77 TIME - 12	GOLETA,CA 30	SPEZIO 1 N21HM DAMAGE-SUBSTANTIAL	PX-	-		-	MISCELLANEOUS FERRY	PRIVATE, AGE 42, 190 TOTAL HOURS, 104 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A DEPARTURE REDLAND								
	TYPE OF A ENGINE GEAR CO	FAILURE OR MALFUNCTIO	אר		. P	IN	FL	F OPERATION IGHT NORMAL CRUISE NG ROLL	
	PILOT I MISCELL FACTOR(S)	N COMMAND - INADEQUA N COMMAND - MISMANAGE ANEQUS ACTS+CONDITIO	MENT OF FUEL		ND/	OR I	PLA	NNING	
	MISCELL COMPLETE	- RUDGHJUNEVEN ANEOUS ACTS.CONDITION POWER LOSS - COMPLET CIRCUMSTANCES - FOR	E ENGINE FAILURE/FLA	MEOUT-			٩E		
				PAGE	2	:6			
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FILE	DATE	LOCATION	AIRCRAFT DATA		JURIE F S	M/N	PURPOSE		PILOT DATA
3-1516	TIME - 140 DEPARTURE	POINT	EBEL VAREZE 10 N14AE DAMAGE-DESTROYED INTENDED DESTINATION	CR-	0 0	1	NONCOMMERCIAL PLEASURE/PERSONAL	TRANSP	COMMERCIAL, AGE 68, 363 TOTAL HOURS, 20 IN TYPE INSTRUMENT RATED.
	LOMPOC,CA TYPE OF AC		LOCAL		PH/	SEL	F OPERATION		
		AILURE OR MALFUN	CTION				IGHT OTHER		
	COLLISIC	N WITH GROUND/WA	FER CONTROLLED		L	AND	NG LEVEL OFF/TOUCH	IDOWN	
	PROBABLE C	AUSE(S)	-						
		NT - FUEL SYSTEM	TANKS						
			FIONS - FUEL STARVATION				N.		
	FACTOR(S)	L - PRODUCTION-DE	SIGN-PERSONNEL POOR/I	NADEQU	AIEL	PESIG	N		
		- FUSELAGE WIND	SHIELDS, WINDOWS, CANOPI	ES					
	MISCELLA	NEOUS ACTS, CONDI	TIONS - IMPROPERLY SECU	RED					
		- ROUGH/UNEVEN		NEOUT	1 514				
	EMERGENCY	CIRCUMSTANCES -	LETE ENGINE FAILURE/FLA FORCED LANDING OFF AIRP ERED SPIN.RECOV OK.ENG	ORT ON	LAN)	BLO ENC DRG SPIN IN		
	REMARKS C			W OIN 0	01 17				
		· 1.	•						
3 - 1550	7/18/77 TIME - 161	SIMI VALLEY,CA 5	AEROSPORT QUAIL N8274 Damage-Substantial	PX-			NONCOMMERCIAL PLEASURE/PERSONAL		PRIVATE, AGE 55, 269 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RATED.
		RPORT - SANTA SUS	SANA						
			INTENDED DESTINATION						
	SIMI VAL		LOCAL		PH/	SE C	F OPERATION		
		ATER LOOP-SWERVE					NG LEVEL OFF/TOUCH	DOWN	
	COLLIDED	WITH OBJECT			ι	ANDI	NG GO-AROUND		
•	PROBABLE C	AUSE(S)							
	PILOT IN	COMMAND - IMPRO	PER OPERATION OF FLIGHT	CONTR	OLS				
	FACTOR(S)								
			DE FAMILIARITY WITH AIR TEE.EQUIPPED WITH VW 1		ENGIN	IE.			

FILE	DATE	LOCATION	AIRCRAFT DATA	F	RIES SM/N	FLIGHT PURPOSE		PILOT DATA
	7/24/77 L TIME - 1445		NELSON PERL PG-185 N68959 DAMAGE-SUBSTANTIAL	CR- 0	1 0	NONCOMMERCIAL	TRANSP	COMMERCIAL, AGE 66, 4000 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRP DEPARTURE PO	PORT – HUMMINGBIRD)INT I	NTENDED DESTINATION			н		
	LIVERMORE TYPE OF ACCI					F OPERATION FF INITIAL CLIMB		
		WITH GROUND/WATER				FF ABOR TED		
	PROBABLE CAL		FRIAL AFFECTING NORMA	1 00504	TIONS			
	MISCELLAN	OUS ACTS, CONDITIC	INS - FUEL CONTAMINATI INS - OBSTRUCTED			F WATER IN FUEL		
			INS - FUEL STARVATION	TON				
	MISCELLANE PARTIAL POWE	DUS - EVASIVE MAN R LOSS - PARTIAL	EUVER TO AVOID COLLIS	INE	ANE BAS	E/HELIPT.		
	MISCELLANE PARTIAL POWE EMERGENCY C	DUS - EVASIVE MAN R LOSS - PARTIAL	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR	INE	ANE BAS	E/HELIPT.		
3_1914	MISCELLANE PARTIAL POWE EMERGENCY C REMARKS- FUE	DUS - EVASIVE MAN R LOSS - PARTIAL RCUMSTANCES - FOF L SHUTOFF VLV OBS	IEUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR TRUCTED.	INE T/SEAPL				PRIVATE, AGE 46, 528
3-1816	MISCELLANE PARTIAL POWE EMERGENCY C REMARKS- FUE	EDUS - EVASIVE MAN R LOSS - PARTIAL IRCUMSTANCES - FOR	IEUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR TRUCTED.	INE T/SEAPL CR- 0	0 1	NONC OMMER C I A L	TRANSP	PRIVATE, AGE 46, 528 Total Hours, 5 in Type, Not instrument rated.
3-1816	MISCELLANE PARTIAL POWE EMERGENCY C REMARKS- FUE	DUS - EVASIVE MAN R LOSS - PARTIAL IRCUMSTANCES - FOR EL SHUTOFF VLV OBS FALL RVR MILLS.CA	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR TRUCTED. BABY 1 N12FD	INE T/SEAPL CR- 0	0 1	NONC OMMER C I A L	TRANSP	TOTAL HOURS, 5 IN TYPE,
3-1816	MISCELLANE PARTIAL POW EMERGENCY C REMARKS- FUE 7/24/77 TIME - 0915 DEPARTURE PO RED BLUFF TYPE OF ACC GROUND-WA	DUS - EVASIVE MAN R LOSS - PARTIAL IRCUMSTANCES - FOF EL SHUTOFF VLV OBS FALL RVR MILLS.CA DINT I CA	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR TRUCTED. BABY 1 N12FD DAMAGE-SUBSTANTIAL NTENDED DESTINATION FALL RVR MILLS+CA	INE T/SEAPL CR- 0 PX- 0	0 1 0 0 PHASE C LANDI	NONC OMMER C I A L	TRANSP	TOTAL HOURS, 5 IN TYPE,
3-1816	MISCELLANE PARTIAL POW EMERGENCY C REMARKS- FUE 7/24/77 TIME - 0915 DEPARTURE PO RED BLUFF. TYPE OF ACC GROUND-WA COLLIDED V PROBABLE CAU	DUJS - EVASIVE MAN R LOSS - PARTIAL RCUMSTANCES - FOR L SHUTOFF VLV OBS FALL RVR MILLS.CA DINT D CA DENT TER LOOP-SWERVE VITH FENCE.FENCEF JSE(S)	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CED LANDING ON AIRPOR TRUCTED. BABY 1 N12FD DAMAGE-SUBSTANTIAL NTENDED DESTINATION FALL RVR MILLS+CA	INE T/SEAPL CR- O PX- O	0 0 1 0 0 PHASE C LANDI LANDI	NONCOMMERCIAL PLEASURE/PERSONAL DE OPERATION NG ROLL	TRANSP	TOTAL HOURS, 5 IN TYPE,
3-1816	MISCELLANE PARTIAL POWE EMERGENCY C REMARKS- FUE 7/24/77 F TIME - 0915 DEPARTURE PI RED BLUFF TYPE OF ACC GROUND-WA COLLIDED I PROBABLE CAU PILOT IN (FACTOR(S) - PILOT IN (DUS - EVASIVE MAN R LOSS - PARTIAL RCUMSTANCES - FOR L SHUTOFF VLV OBS FALL RVR MILLS.CA DINT D CCA DENT FER LOOP-SWERVE VITH FENCE.FENCEF JSE(S) COMMAND - FAILED T COMMAND - LACK OF	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG (CED LANDING ON AIRPOR TRUCTED. BABY 1 N12FD DAMAGE-SUBSTANTIAL INTENDED DESTINATION FALL RVR MILLS.CA	INE T/SEAPL CR- 0 PX- 0 NL CONTR	0 0 1 0 0 PHASE C LANDI LANDI	NONCOMMERCIAL PLEASURE/PERSONAL DE OPERATION NG ROLL	TRANSP	TOTAL HOURS, 5 IN TYPE,
3–1816	MISCELLANE PARTIAL POWE EMERGENCY C REMARKS- FUE 7/24/77 F TIME - 0915 DEPARTURE PI RED BLUFF TYPE OF ACC GROUND-WA COLLIDED I PROBABLE CAU PILOT IN (FACTOR(S) - PILOT IN (DUS - EVASIVE MAN R LOSS - PARTIAL RCUMSTANCES - FOR L SHUTOFF VLV OBS FALL RVR MILLS.CA DINT D CCA DENT FER LOOP-SWERVE VITH FENCE.FENCEF JSE(S) COMMAND - FAILED T COMMAND - LACK OF	EUVER TO AVOID COLLIS LOSS OF POWER - 1 ENG CCED LANDING ON AIRPOR TRUCTED. BABY 1 N12FD DAMAGE-SUBSTANTIAL NTENDED DESTINATION FALL RVR MILLS+CA POSTS O MAINTAIN DIRECTIONA FAMILIARITY WITH AIRC	INE T/SEAPL CR- 0 PX- 0 NL CONTR	0 0 1 0 0 PHASE C LANDI LANDI	NONCOMMERCIAL PLEASURE/PERSONAL DE OPERATION NG ROLL	TRANSP	TOTAL HOURS, 5 IN TYPE,

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA						
-2970	9/15/77 REDDING,CA TIME - 0810	HOME BUILT KR1 N9HD DAMAGE-SUBSTANTIAL	PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, FL.INSTR., AGE 64, 13000 TOTAL HOURS, O IN TYPE, INSTRU- MENT RATED.						
	NAME OF AIRPORT - REDDING DEPARTURE POINT REDDING.CA	INTENDED DESTINATION									
	TYPE OF ACCIDENT	LUCAL	PHASE O	FOPERATION							
	ENGINE FAILURE OR MALFU	NCTION		IGHT OTHER							
	NOSE OVER/DOWN	•	LANDI	NG ROLL							
	PROBABLE CAUSE(S)		•								
	MISCELLANEOUS ACTS, COND										
		-ICING SYSTEMS CARBURETO	DR DE-ICING SYS	TEM							
•	FACTOR(S)	NDUCIVE TO CARB./INDUCTIO									
	EMERGENCY CIRCUMSTANCES -										
•	SKY CONDITION			AT ACCIDENT SITE							
	OVERCAST/LOWER SCATTERE		4000								
	VISIBILITY AT ACCIDENT SI 5 OR OVER(UNLIMITED)	IE	PRECIPITATION AT ACCIDENT SITE								
	OBSTRUCTIONS TO VISION AT	ACCIDENT SITE	NONE Tempera								
	NONE	ACCIDENT SILL	57	TOKE T							
	WIND DIRECTION-DEGREES		WIND VE	LOCITY-KNOTS							
	180		7								
	TYPE OF WEATHER CONDITION	S		FLIGHT PLAN							
	VFR	· · · · · · · · · · · · · · · · · · ·	NONE								
				ENT CARB HEAT.							
	REMARKS- REDUCED POWER ST	ALL ON AIRCRAFTS FIRST FI	LIGHT INSUFFICI								
	REMARKS- REDUCED POWER ST	ALL ON AIRCRAFTS FIRST FI	LIGHT.INSUFFICI								
-2864	9/24/77 SONOMA+CA	BREEZY RLU-1	CR- 0 0 1	NONCOMMERCIAL	PRIVATE, AGE 59, 1500						
-2864		BREEZY RLU-1 N11RF	CR- 0 0 1		TOTAL HOURS, 25 IN TYPE,						
-2864	9/24/77 SONOMA.CA TIME - 1115	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL	CR- 0 0 1	NONCOMMERCIAL							
-2864	9/24/77 SONOMA+CA	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL	CR- 0 0 1	NONCOMMERCIAL	TOTAL HOURS, 25 IN TYPE,						
-2864	9/24/77 SONOMA.CA TIME - 1115 NAME OF AIRPORT - SKYPARK	.BREEZY RLU-1 NIIRF DAMAGE-SUBSTANTIAL	CR- 0 0 1	NONCOMMERCIAL	TOTAL HOURS, 25 IN TYPE,						
-2864	9/24/77 SONOMA,CA TIME - 1115 NAME OF AIRPORT - SKYPARK DEPARTURE POINT SONOMA,CA TYPE OF ACCIDENT	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP F OPERATION	TOTAL HOURS, 25 IN TYPE,						
-2864	9/24/77 SONOMA.CA TIME – 1115 NAME OF AIRPORT – SKYPARK DEPARTURE POINT SONOMA.CA	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 25 IN TYPE,						
-2864	9/24/77 SONOMA,CA TIME - 1115 NAME OF AIRPORT - SKYPARK DEPARTURE POINT SONOMA,CA TYPE OF ACCIDENT	BREEZY RLU-1 N11RF DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP F OPERATION	TOTAL HOURS, 25 IN TYPE,						

				5 NF AC				
FILE	DATE	LOCATION	AIRCRAFT DATA		: s	M/N	FLIGHT PURPOSE	ΡΙΙΠΤ ΠΑΤΑ
		WATSONVILLE CA 34	AMSEL-ROBBI N51911 DAMAGE-DESTROYED	CR-	0 1	n	NONCOMMERCIAL PLEASURE/PERSONAL TRAN	PRIVATE, AGE 41, 1400 SP TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A DEPARTURF WATSONV TYPE OF AO STALL	ILLE CA CCIDENT	E MUNI INTENDED DESTINATION LOCAL				F OPERATION NG TRAFFIC PATTERN-CIR	RCLING
	PROBABLE (PILOT I FACTOR(S) PILOT I	CAUSF(S) N COMMAND - FAILED	TO OBTAIN/MAINTAIN ELY FAMILIARITY WITH AIRC CRAFT•					
-3064	10/19/77 TIME - 144	LAKEPORT.CA 45	KEOSKE EXP D1X N3727	PX-		-	MISCELLANEOUS TEST	PRIVATE, AGE 37, 490 TOTAL HOURS, O IN TYPE
	NAME OF A DEPARTURE LAKEPOR TYPE OF A	T,CA	DAMAGE-SUBSTANTIAL ELD INTENDED DESTINATION LOCAL	• .	0114	<u>د</u> م	F OPERATION	NOT INSTRUMENT RATED.
•	GROUND-	WATER LOOP-SWERVE D WITH DITCHES			_ 1	AKEN	FF RUN FF RUN	
	FACTOR(S)	N COMMAND - FAILED	TO MAINTAIN DIRECTIONA CONDITIONS	AL CONT	ROL			
	SKY CONDI CLEAR	100			- i	INL IM		
	5 NR OV	Y AT ACCIDENT SITE ER(UNLIMITED) ONS TO VISION AT AC	CIDENT SITE		N	IONE	TATION AT ACCIDENT SITE E BEARING OF WIND	
	NONE		GINCIPT JIN.		L WIN	EFT D DI	CROSS WIND 248-292 DEGR RECTION-DEGREES	REES
	70 WIND VELOO 15	CITY-KNOTS			TYP	10 E NF FR	WEATHER CONDITIONS	
	TYPE OF FI NONE	LIGHT PLAN						
					. -			
				PAGE	30			
			and the second					

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FILE	DATE	LOCATION	AIRCRAFT DATA		F :	IES SM/N	PURPOSE		PILOT ΠΑΤΔ
	10/30/77 L TIME - 1400		MARSKE MONARC N4477M DAMAGE-DESTROYED	CR-	0	1.0	MISCELLANEOUS TEST		COMMERCIAL, AGE 46, 5400 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PO LODI.CA TYPE OF ACCI		NTENDED DESTINATION LOCAL UNCONTROLLED				DF OPERATION DFF INITIAL CLIMI	3	
	FACTOR(S) MISCELLANE	OUS - UNDETERMINE OUS - VORTEX TURB		LE LON	GITU	JDINA	- INSTABILITY.FIR	ST AIR TOP	N .
3-3658	10/30/77 M TIME - 0930	ANZANAR + CA	PITTS SPECL N7B DAMAGE-SUBSTANTIAL				NONCOMMERCIAL PLEASURE/PERSON	AL TRANSP	COMMERCIAL, AGE 61, 1572 TOTAL HOURS, 8 IN TYPE, NUT INSTRUMENT RATED,
	DEPARTURE PO LONE PINE. TYPE OF ACCI	CA	NTENDED DESTINATION LOCAL				DF OPERATION ING ROLL		
	PILOT IN C FACTOR(S) AIRPORTS/A	OMMAND - IMPROPER OMMAND - SELECTED IRWAYS/FACILITIES	OPERATION OF BRAKES UNSUITARLE TERRAIN - AIRPORT CONDITION NED,RWY CRACKED AND P	s ot⊦	IER	LIGHT	CONTROLS		
3-3561	11/13/77 D TIME - 1000	AVIS,CA	CODT A N3842 Damage-substantial				MISCELLANEOUS FERRY		COMMERCIAL, FL.INSTR., AGE 22. 3000 TOTAL HOUR 13 IN TYPE, NOT INSTRI- MENT RATED.
	DEPARTURE PO RIO VISTA, TYPE OF ACCI	ČA	NTENDED DESTINATION REDDING+CA			IN F	DF OPERATION LIGHT NORMAL CRU ING LEVEL OFF/TO		
	MISCELLANE MISCELLANE MISCELLANE FACTOR(S)	OMMAND - INADEQUA OUS ACTS,CONDITIO OUS ACTS,CONDITIO OUS ACTS,CONDITIO	TE PREFLIGHT PREPARA INS - FUEL CONTAMINAT INS - WATER IN FUEL INS - FUEL STARVATION	ION-E>	ND/0	DR PL SIVE	ANNING DF WATER IN FUEL		
	COMPLETE POW EMERGENCY CI	RCUMSTANCES - FOR	E ENGINE FAILURE/FLAM CED LANDING ON AIRPOL RETRACTED TO EXTEND	RT/SE4	PLA	NE BA	SE/HELIPT.	E TO EXTER	ND GEAR.

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FILE	DATE	LOCATION	AIRCRAFT DATA	-	JURIES	FLIGHT		PILOT DATA
					F S M/N	PURPOSE		
3-2763	1/13/77 N TIME - 123	R.LONGMONT, CO 0	STITS SA-11A N3274 DAMAGE-SUBSTANTIAL			NONCOMMERCIAL PLEASURE/PERSONA	L TRANSP	STUDENT, AGE 32, 85 TOT/ HOURS, 61 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE DENVER• TYPE OF AC	CO CO	INTENDED DESTINATION • GREELEY • CO		FT. PHASE	NROUTE STOP COLLINS, CO OF OPERATION OWN/NOT REPORTED		
	PROBABLE C							
3-3786	TIME - 145	٥	DYKE DELTA N14SA DAMAGE-SUBSTANTIAL			NONCOMMERCIAL PLEASURE/PERSONA	L TRANSP	PRIVATE, AGE 29, 340 TOTAL HOURS, 78 IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE DALHART, TYPE OF AC	ТХ	INTENDED DESTINATION BROOMFIELD,CO			OF OPERATION		-
	ENGINE F	AILURE OR MALFUNC WITH OBJECT	TION		IN F	LIGHT DESCENDING ING ROLL		
•	PILOT IN	COMMAND - MISMAN						
	PILOT IN MISCELLA MISCELLA TERRAIN FACTOR(S) POWERPLA MISCELLA COMPLETE P EMERGENCY	I COMMAND - MISMAN NEOUS ACTS,CONDIT - HIDDEN OBSTRUCT NT - FUEL SYSTEM NEOUS ACTS,CONDIT OWER LOSS - COMPL CIRCUMSTANCES - F	AGEMENT OF FUEL IONS - INATTENTIVE TO F IONS - FUEL EXHAUSTION	VEL S	SUPPLY -1 ENGINE N LAND		E.	
3-1623	PILOT IN MISCELLA TERRAIN FACTOR(S) POWERPLA MISCELLA COMPLETE P EMERGENCY REMARKS- G	I COMMAND - MISMAN NEOUS ACTS.CONDIT - HIDDEN OBSTRUCT NT - FUEL SYSTEM NEOUS ACTS.CONDIT OWER LOSS - COMPL CIRCUMSTANCES - F SASCOLATOR LEAKING	AGEMENT OF FUEL IONS - INATTENTIVE TO F IONS - FUEL EXHAUSTION IONS VENTS.DRAINS.TANK CAPS IONS - LEAK/LEAKAGE ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO. CAUSE NOT DETERMINED.L HEBEL B-1 NIBF	UEL S NEOUT- DRT ON ANDIN CR-	SUPPLY -1 ENGINE N LAND NG GEAR S	TRUCK A GOPHER HOL	Б.	PRIVATE, AGE 51, 42 TOT HOURS, ALL IN TYPE, NOT INSTRUMENT PATED
3-1623	PILOT IN MISCELLA TERRAIN FACTOR(S) POWERPLA MISCELLA COMPLETE P EMERGENCY REMARKS- G	I COMMAND - MISMAN INEOUS ACTS.CONDIT - HIDDEN OBSTRUCT INT - FUEL SYSTEM INT - FUEL SYSTEM INT - FUEL SYSTEM COMERLOSS - COMPL CIRCUMSTANCES - F GASCOLATOR LEAKING KILLINGWORTH.CT 5 POINT ORTH.CT CIDENT	AGEMENT OF FUEL IONS - INATTENTIVE TO F IONS - FUEL EXHAUSTION IONS VENTS, DRAINS, TANK CAPS IONS - LEAK/LEAKAGE ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO , CAUSE NOT DETERMINED.L HEBEL B-1	UEL S NEOUT- DRT ON ANDIN CR-	SUPPLY -1 ENGINE N LAND NG GEAR S 0 1 C 0 0 0 PHASE	TRUCK A GOPHER HOL	·	
3-1623	PILOT IN MISCELLA MISCELLA TERRAIN FACTOR(S) POWERPLA MISCELLA COMPLETE P EMERGENCY REMARKS- G 7/2/77 TIME - 091 DEPARTURE KILLING TYPE OF AC HARD LAM PROBABLE C PILOT IN PILOT IN	I COMMAND - MISMAN NEOUS ACTS.CONDIT - HIDDEN OBSTRUCT NEOUS ACTS.CONDIT - HIDDEN OBSTRUCT NEOUS ACTS.CONDIT OWER LOSS - COMPL CIRCUMSTANCES - F SASCOLATOR LEAKING KILLINGWORTH.CT .5 POINT WORTH.CT .CIDENT NDING CAUSE(S) N COMMAND - FAILED N COMMAND - FAILED N COMMAND - IMPROP	AGEMENT OF FUEL IONS - INATTENTIVE TO F IONS - FUEL EXHAUSTION IONS - LEAK/LEAKAGE ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO ,CAUSE NOT DETERMINED.L HEBEL B-1 NIBF DAMAGE-MINOR INTENDED DESTINATION UNKNOWN/NOT REPORTED TO USE OR INCORRECTLY URE LIFT-OFF	UEL S NEOUT- IRT ON ANDIN CR- PX-	SUPPLY -1 ENGINE N LAND NG GEAR S 0 1 C 0 0 0 PHASE LANE MISC, EQU	TRUCK A GOPHER HOL MISCELLANEOUS OTHER OF OPERATION NING LEVEL OFF/TOU	JCHDOŴN	HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
3-1623	PILOT IN MISCELLA MISCELLA TERRAIN FACTOR(S) POWERPLA MISCELLA COMPLETE P EMERGENCY REMARKS- G 7/2/77 TIME - 091 DEPARTURE KILLING TYPE OF AC HARD LAM PROBABLE C PILOT IN PILOT IN	I COMMAND - MISMAN NEOUS ACTS.CONDIT - HIDDEN OBSTRUCT NEOUS ACTS.CONDIT - HIDDEN OBSTRUCT NEOUS ACTS.CONDIT OWER LOSS - COMPL CIRCUMSTANCES - F SASCOLATOR LEAKING KILLINGWORTH.CT .5 POINT WORTH.CT .CIDENT NDING CAUSE(S) N COMMAND - FAILED N COMMAND - FAILED N COMMAND - IMPROP	AGEMENT OF FUEL IONS - INATTENTIVE TO F IONS - FUEL EXHAUSTION IONS - LEAK/LEAKAGE ETE ENGINE FAILURE/FLAN ORCED LANDING OFF AIRPO ,CAUSE NOT DETERMINED.L HEBEL B-1 NIBF DAMAGE-MINOR INTENDED DESTINATION UNKNOWN/NOT REPORTED TO USE OR INCORRECTLY URE LIFT-OFF ER LEVEL OFF	UEL S NEOUT- IRT ON ANDIN CR- PX-	SUPPLY -1 ENGINE N LAND NG GEAR S 0 1 C 0 0 0 PHASE LANE MISC, EQU	TRUCK A GOPHER HOL MISCELLANEOUS OTHER OF OPERATION NING LEVEL OFF/TOU	JCHDOŴN	HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.

FILE	DATE	LOCATION	AIRCRAFT DATA		JURIE F S	M/N		PILOT DATA
3-2850	3/6/77 TIME - 1	ROYAL PALM BCH.FL 1000	SCORPION II N7886 DAMAGE-DESTROYED	CR-		0	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 55, 2860 TOTAL HOURS, 90 IN TYPE, INSTRUMENT. RATED.
	DEPARTUR ROYAL		COW NTENDED DESTINATION LOCAL		рна	SE O	FOPERATION	
	COLLIS	SION WITH GROUND/WATER	UNCONTROLLED		т	AKEC	FF · INITIAL CLIMB	
		E CAUSE(S) LLANEOUS - UNDETERMINER						
-1769	4/16/77 TIME - 1		BENSEN BM-8 N64613 DAMAGE-DESTROYED				NONCOMMERCIAL PLEASURE/PERSONAL TR	STUDENT, AGE 31, 73 TOTAL ANSP HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF	ACCIDENT SION WITH GROUND/WATER					F OPERATION NG TRAFFIC PATTERN-C	IRCLING
·	PILOT FACTOR(S	E CAUSE(S) IN COMMAND - IMPROPER) R - UNFAVORABLE WIND (CONTR	OLS '			
	SKY COND CLEAR	DITION					AT ACCIDENT SITE	
	5 OR (TY AT ACCIDENT SITE VER(UNLIMITED) TIONS TO VISION AT ACC	IDENT SITE		N	ONE	TATION AT ACCIDENT SI	TE
	NONE	RECTION-DEGREES	IDENNI SITE		B WIN	6 D VE	LOCITY-KNOTS	
	120 TYPE OF VFR	WEATHER CONDITIONS				-	FLIGHT PLAN	
		- GUSTS TO EST 25KTS.N	D KNOWN INSTRUCTION F	RECD I			TERS.M/R STRUCK TAILB	OOM IN DESCENT.
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FILE	DATE	LOCATION	AIRCRAFT DATA		URI			FLIGHT PURPOSE		PILOT DATA
9-2543	5/30/77 LAKE TIME - 1400	 	BABY GR LKS BGL B1 N65165 DAMAGE-SUBSTANTIAL	CR- (0 (o∵ 1	NC		TRANSP .	COMMERCIAL, AGE 36, 360 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT DEPARTURE POINT LAKELAND,FL TYPE OF ACCIDEN ENGINE FAILUR COLLIDED WITH	T. E OR MALFUNCT	INTENDED DESTINATION LOCAL		-	ASE (TAKE	OFF	PPERATION INITIAL CLIMB FINAL APPROACH		
	MISCELLANEOUS PARTIAL POWER L	RODUCTION-DES ACTS,CONDITIO DSS - PARTIAL MSTANCES - FOR	IGN-PERSONNEL OTHER INS - WRONG PART LOSS OF POWER - 1 ENG CED LANDING OFF AIRPO		_AN (D .				
-2557	6/4/77 NR.ST TIME - 1510 DEPARTURE POINT ST AUGUSTINE.F	1	BENSEN B-8-MG N3120 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL		5 0	0 0	PR	DNCOMMERCIAL ACTICE		STUDENT, AGE 23, 10 TOTA HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	PROBABLE CAUSE(PILOT IN COMM	H GROUND/WATEF S) AND - IMPROPEF	UNCONTROLLED		:			IPERATION IT UNCONTROLLED	DESCENT	
	PILUI IN COMM	AND - LACK UF	FAMILIARITY WITH AIR(KAF I						
-2400	7/24/77 OPA TIME - 0705	LOCKA+FL	HOME BUILT DG-1 NIOE DAMAGE-SUBSTANTIAL					SCELLANEDUS PERIMENTATION		ATP,FLIGHT INSTR., AGE 48, 15000 TOTAL HOURS, O IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT DEPARTURE POINT OPA LOCKA.FL TYPE OF ACCIDEN GEAR COLLAPSE] T - · · ·	NTENDED DESTINATION LOCAL					P ERATION RUN		
	MISCELLANEOUS	NDING GEAR MA	NIN GEAR-SHOCK ABSORD DNS - OVERLOAD FAILUR NES-FIRST FLIGHT FOR A		*• S'	TRUT	S • A T	TACHMEN TS, ETC.		- -

FILE	DATE		AIRCRAFT DATA	. F	: S	M/N		FLIGHT PURPOSE	PILOT DATA
-4098	6/11/77 TIME - 1515 DEPARTURE P SALEM,IL TYPE OF ACC	SALEM.IL	TOLMAN SA-3AM N1054 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR-	1 0 РН	0 0 0 0 ASE	MIS AIR OF OP		COMMERCIAL, AGE 31, 798 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.
	MISCELLAN PERSONNEL FACTOR(S) PILOT IN MISCELLAN	- WINGS SKIN AM EDUS ACTS.CONDIT - MAINTENANCE. COMMAND - PHYSIC	TIONS - MATERIAL FAILURE SERVICING,INSPECTION IN CAL IMPAIRMENT FIONS - ALCOHOLIC IMPAIR	NADEQUA					N
	6/20/77 NR TIME - 1930 DEPARTURE P LOCKPORT.I TYPE OF ACC	OINT . L	PITTS S1 N2RL DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	Р Х-	0	00	PRA	COMMERĊIAL CTICE ERATION	COMMERCIAL, AGE 41, 767 Total Hours, 430 in type Not instrument rated.
	NOSE OVER PROBABLE CA PILOT IN MISCELLAN TERRAIN – COMPLETE PO EMERGENCY C	USE(S) COMMAND - ATTEMI EOUS ACTS,CONDIT ROUGH/UNEVEN WER LOSS - COMPU IRCUMSTANCES - F	TION PTED OPERATION W/KNOWN I TIONS - FUEL STARVATION ETF ENGINE FAILURE/FLAM FORCED LANDING OFF AIRPO SLIDE FRM TORQUE ROLL M/	AEOUT-1 DRT ON	ENCI L EN LAN	ES I GINE	ING N EQU		
-1726	7/17/77 TIME - 1830	JACKSONVILLE.IL	WOOLUMS KR-2 N14527 DAMAGE-SUBSTANTIAL					COMMERCIAL CTICE	PRIVATE, AGE 57, 600 TOTAL HOURS, 6 IN TYPE, NOT INSTRUMENT RATED.
		LLF.IL IDENT T	ILLE MUNI INTENDED DESTINATION LOCAL			LAND	ING	ERATION FINAL APPROACH LEVEL OFF/TOUCHDO	NWN
	PROBABLE CA PILOT IN	USE(S) COMMAND - MISJUI	DGED DISTANCE AND ALTITU PER OPERATION OF POWERPL				•		

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ILE	DATE	LOCATION	AIRCRAFT DATA		JURI = S	ES M/N	FLIGHT PURPOSE		PILOT DATA
1725	TIME - 1530	PORT - GREATER F		-	0	0 0)		STUDENT, AGE 48, 138 TOTAL HOURS, 39 IN TYPE, NOT INSTRUMENT RATED.
		E.IL			РН	BEAR IASE TAKE	NROUTE STOP DSTOWN,IL OF OPERATION OFF INITIAL ING LEVEL O		
	MISCELLAN MISCELLAN COMPLETE PO EMERGENCY C	T - FUEL SYSTEM EOUS ACTS.CONDI EOUS ACTS.CONDI WER LOSS - COMPI	PUMPS TIONS - PRESSURE.NONE TIONS - FUEL STARVATION LETE ENGINE FAILURE/FLAN FORCED LANDING OFF AIRPO						
-3145	TIME - 1411	PORT - GREATER P DINT	RENSEN BAM N5653 DAMAGE-SUBSTANTIAL ROCKFORD INTENDED DESTINATION ROCKFORD-IL				NONCOMMERC Pleasure/p		COMMERCIAL, AGE 53, 4500 TOTAL HOURS, 171 IN TYPE INSTRUMENT RATED.
	TYPE OF ACC NOSE OVER						OF OPERATION GROUND TAX	I FROM LANDING	
	PERSONNEL	COMMAND - SELEC - MISCELLANEOUS	TED UNSUITABLE TERRAIN S-PERSONNEL OTHER INTO HOLE ARPT AREA BEI	ING USE	€D W	IAS D	ESIGNATED BY	CONVENTION PA	R TICIPANTS.
-0728	4/3/77 TIME - 1430	RENSSELAER+IN	STARDUSTER SA200 N6BH DAMAGE-DESTROYED				NONCOMMERC PLEASURE/P		PRIVATE, AGE 32, 400 TOTAL HOURS, 61 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIR DEPARTURE P RENSSELAE TYPE OF ACC STALL	RIN	DUNTY INTENDED DESTINATION LOCAL				OF OPERATION OFF INITIAL		
		USE(S)							

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BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA PURPOSE F S M/N 3-2608 7/27/77 NR.CHESTERTON.IN CR- 0 1 0 NONCOMMERCIAL VOLKSPLANE VP-IFD PRIVATE, AGE 47, 234 TIME - 1735 PX- 0 0 O PLEASURE/PERSONAL TRANSP TUTAL HOURS, 1 IN TYPE, N16655 DAMAGE-DESTROYED 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 CR- 1 0 0 NONCOMMERCIAL PRIVATE, AGE 46, 435 TIME - 1310 N278S PX- 1 0 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, UNK/NR IN DAMAGE-DESTROYED TYPE, NOT INSTRUMENT RATED. NAME OF AIRPORT - PORTER COUNTY DEPARTURE POINT INTENDED DESTINATION FINDLAY, OH VAL PARAISO, 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 CR- 0 1 0 MISCELLANEOUS PRIVATE, AGE 45, 353 TIME - 1730 N65209 PX- 0 0 0 TEST TOTAL HOURS, O IN TYPE, NOT INSTRUMENT RATED. DAMAGE-SUBSTANTIAL 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	S OF A	CC-I	[DE N	TS			
FILE	DATE	LOCATION	AIRCRAFT DATA		F	S M	/ N			PILOT DATA
3-2228	DEPARTUR CLINTO TYPE OF COLLIS PROBABLE	AIRPORT - CLINTON E POINT		CR-	0	0 0 PHAS		NONCOMMERCIAL PLEASURE/PERSONAL F OPERATION IGHT UNCON TROLLED	•	COMMERCIAL, AGE 35, 428 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.
-2990	TIME - 1 NAME OF DEPARTUR SHERID TYPE OF	AIRPORT - SHERIDAN E POINT	MOORE KR-1 N65029 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL R UNCONTROLLED	CR- PX-	0	0 PHAS	O E C	MISCELLANEOUS TEST F OPERATION FF INITIAL CLIMB		PRIVATE, AGE 55, 135 TOTAL HOURS, O IN TYPE, NOT INSTRUMENT RATED.
	MISCEL	CAUSE(S) LANEOUS - UNDETERMIN AIRCRAFF CARTWHEELE								
-1732	TIME - 1 DEPARTUR		MORRIS CASS 111M N90RM DAMAGE-DESTROYED INTENDED DESTINATION LOCAL						TRANSP	COMMERCIAL, AGE 41, 608 TOTAL HOURS, 52 IN TYPE, INSTRUMENT RATED.
	TYPE OF	ACCIDENT ME FAILURE IN FLIGH						F OPERATION IGHT ACROBATICS		
	A IRFRA MISCEL A IRFRA MISCEL	LANEOUS ACTS.CONDITI ME - FLIGHT CONTROL LANEOUS ACTS.CONDITI	SURFACES VERTICAL ST ONS - MATERIAL FAILUR SURFACES ELEVATOR AS: ONS - JAMMED URE SURFACE 50% DISCOU	ESEMBLI	γ , Δ	TTAC	нме	NTS	STRUCTIN	G ELEV TRAVEL.

BRIEFS OF ACCIDENTS

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·		BRIEF	S OF ACCI	DENT	S ·	
FILE	DATE LOCATION	AIRCRAFT DATA		RIES SM/	FLIGHT N PURPOSE	PILOT DATA
-1400	5/18/77 OLATHE,KS TIME - 0905	PITTS SIS N9TJ DAMAGE-SUBSTANTIAL	CR- O		1 MISCELLANEOUS 0 DEMONSTRATION	COMMERCIAL, AGE 33, 3002 TOTAL HOURS, 80 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - CEDAR DEPARTURE POINT OLATHE.KS TYPE OF ACCIDENT ENGINE FAILURE OR MAL COLLIDED WITH TREES	INTENDED DESTINATION LOCAL	Ρ	IN	OF OPERATION FLIGHT ACROBATICS DING LEVEL OFF/TOUCHDOWN	
÷.	• MISCELLANEOUS ACTS.CO COMPLETE POWER LOSS - C	TRUCTURE MASTER AND CONNEC NDITIONS - MATERIAL FAILUR OMPLETE ENGINE FAILURE/FLAM - FORCED LANDING OFF AIRPO	E 4EOUT-1 E	NGIN	E	
•	· .					
-1099	6/12/77 NR.EUDORA.KS TIME - 1415	HUEY-SMITH H-1 N88C DAMAGE-SUBSTANTIAL			1 NONCOMMERCIAL 0 PLEASURE/PERSONAL TRANS	COMMERCIAL, AGE 56, 817 P TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT LEAWOOD.KS TYPE OF ACCIDENT ENGINE FAILURE OR MALL COLLIDED WITH WIRES/			IN	OF OPERATION FLIGHT NORMAL CRUISE DING FINAL APPROACH	
	PILOT IN COMMAND - FA PARTIAL POWER LOSS - PA EMERGENCY CIRCUMSTANCES	SMANAGEMENT OF FUEL NDITIONS - FUEL STARVATION ILED TO SEE AND AVOID OBJE RTIAL LOSS OF POWER - 1 ENG - PRECAUTIONARY LANDING OI SUSPECTED MECHANICAL DIS PLT DISCOVERED FUEL SWITCH	GINE FF AIRPOR SCREPANCY	Т		
-1239	5/21/77 GARDNER,MA TIME - 0930	CASSUTT 3 N164 DAMAGE-SUBSTANTIAL			1 MISCELLANEOUS 0 EXPERIMENTATION	COMMERCIAL, AGE 56, 2802 TOTAL HOURS, 2 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - GARDN DEPARTURE POINT GARDNER,MA TYPE OF ACCIDENT ENGINE FAILURE OR MAL DITCHING	ER MUNI INTENDED DESTINATION LOCAL	Ρ	IN	OF OPERATION FLIGHT NORMAL CRUISE DING LEVEL OFF/TOUCHDOWN	INSTROMENT RATED.
	POWERPLANT - ENGINE C MISCELLANEOUS ACTS.CO FACTOR(S) MISCELLANEOUS ACTS.CO PARTIAL POWER LOSS - PA	N-DESIGN-PERSONNEL POOR/IT ONTROLS THROTTLE-POWER LE NDITIONS - DISCONNECTED NDITIONS - AIRCRAFT CAME TT RTIAL LOSS OF POWER - 1 EN - FORCED LANDING OFF AIRP	VER ASSEM D REST IN GINE	IBLIE	S	

FILE	DATE	LOCATION	AIRCRAFT DATA			M/N		E		PILOT DATA
3-2241	6/17/77 N TIME - 174	R.FLINT,MI	FLY BARY 1-A N7105 DAMAGE-SUBSTANTIAL	CR- PX-	0	0 1	NONCOMMER	CIAL		PRIVATE, AGE 35, 90 TOT HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE FLINT,MI TYPE OF AC	CIDENT AILURE OR MALFUNC	PORT INTENDED DESTINATION LOCAL			ΤΑΚΕ	OF OPERATIC OFF INITIA ING ROLL			
	POWERPLA POWERPLA MISCELLA TERRAIN PARTIAL PO EMERGENCY	L - MAINTENANCE,S NT - ENGINE STRUC NT - ENGINE STRUC NEOUS ACTS,CONDIT - HIGH VEGETATION WER LOSS - PARTIA CIRCUMSTANCES - F	ERVICING, INSPECTION I TURE PISTON, PISTON RI TURE VALVE ASSEMBLIES IONS - LOW COMPRESSION AL LOSS OF POWER - 1 EN ORCED LANDING OFF AIRPO REAKED, NOT CLOSING PRO	NGS GINE ORT ON	LAN	D				ALLOWABLE.
3-2619	8/4/77 TIME - 172	DETROIT,MI O	BEDE BD-4 N375JK DAMAGE-SUBSTANTIAL	PX-			NONCOMMER PLEASURE/		TRANSP	PRIVATE, AGE 32, 275 TOTAL HOURS, 95 IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE ANDERSON TYPE OF AC	+ SC	ITY INTENDED DESTINATION DETROIT.MI			ASE	OF OPERATIC ING ROLL	N		
		- LANDING GEAR	NOSEWHEEL ASSEMBLIES IONS - MATERIAL FAILUR	E						
3-2651	9/11/77 TIME - 173	MONTAGUE,MI 5	BENSON GYRO NONE DAMAGE-SUBSTANTIAL	PX-			MISCELLAN TEST	EOUS		STUDENT, AGE 52, 113 TOTAL HOURS, 102 IN TYP NOT INSTRUMENT RATED.
	DEPARTURE MONTAGUE	• M I	INTENDED DESTINATION LOCAL							
		AILURE OR MALFUNG WITH TREES	CTION			LAND	OF OPERATIO ING TRAFFI ING FINAL	C PATTER	N-CIRCLI	NG
	MISCELLA MISCELLA TERRAIN	NT - ENGINE STRUC NEOUS ACTS,CONDIT NEOUS ACTS,CONDIT - HIGH OBSTRUCTIC		E						
	COMPLETE P	OWER LOSS - COMPI	ETÉ ENGINE FAILURE/FLA	MEOUT-	1 EN	GINE				

			BRIEF	S OF ACC	I DEN TS		
FILE		LOCATION	AIRCRAFT DATA	F		PURPOSE	PILOT DATA
	7/7/77 TIME - 204	GRAND RAPIDS.MN	BABY GRT LK S-2 N52DS DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 1	MISCELLANEOUS TEST	PRIVATE, AGE 49, 959 TOTAL HOURS, 1 IN TYPE NOT INSTRUMENT RATED.
	NAME OF AD DEPARTURE	RPORT - GRAND RAPI	DS INTENDED DESTINATION				
	GRAND RA	APIDS.MN	LOCAL				
	UNDERSHO					OF OPERATION ING FINAL APPROACH	
		WITH TREES				ING ROLL	
	PROBABLE (PILOT IM		ED DISTANCE AND ALTIT	UDE			
3-4022	7/16/77 TIME - 190	JORDAN, MN DO	PITTS S-1S N2997G DAMAGE-SUBSTANTIAL	РХ - (NONCOMMERCIAL PLEASURE/PERSONAL TRANS	UNK/NR IN TYPE, INSTRU
	DEPARTURE	POINT	INTENDED DESTINATION				MENT RATED.
	EDEN PRA	AIRIE, MN	LOCAL			OF OPERATION	
	ENGINE	FAILURE OR MALFUNCT D WITH CROP	ION		IN F	LIGHT ACROBATICS ING LEVEL OFF/TOUCHDOWN	
	PROBABLE C POWERPL	CAUSE(S) ANT - FUEL SYSTEM	OTHER				
		- HIGH TEMPERATURE	TE ENGINE FAILURE/FLA		ENGINE		
			RCED LANDING OFF AIRP				
	SKY CONDI	-				G AT ACCIDENT SITE	
		/NOT REPORTED Y AT ACCIDENT SITE				MITED ITATION AT ACCIDENT SITE	
	5 OR OVE	ER (UNLIMITED)	CIDENT CITE		NONE		
	NONE	DNS TO VISION AT AC	CIDENI SITE		100	ATURE-F	
	TYPE OF W	EATHER CONDITIONS			TYPE O	F FLIGHT PLAN	
	VFK				NUNE		

FILE	DATE	LOCATION	AIRCRAFT DATA	 T /		RIE			FLIGHT		PILOT DATA
					F	S	M/N		PURPOSE		TEOT DATA
	8/6/77 TIME - 093	MANKATO,MN 30	PIETENPOL-A SCOUT N5987 DAMAGE-SUBSTANTIAL	CR-	0	0) 1	N	ONCOMMERCIAL LEASURE/PERSONAL		STUDENT, AGE 28, 617 TOTAL HOURS, 360 IN TYPE, NOT INSTRUMENT RATED,
	DEPARTURE MANKATO, TYPE OF AC ENGINE F	MN			T	AKE	DFF	OPERATION INITIAL CLIMB OTHER			
	MISCELLA PARTIAL PO EMERGENCY	N COMMAND - INADEG ANERUS ACTS,CONDIT DWER LOSS - PARTIA CIRCUMSTANCES - F	DUATE PREFLIGHT PREPARAT IONS - WATER IN FUEL IL LOSS OF POWER - 1 ENG ORCED LANDING OFF AIRPO CHEVROLET CORVAIR.	SINE				ANN	ING		
-4020	8/8/77 TIME - 061	′LAKEVILLE₊MN 15	WENDT WH-1 N3146 DAMAGE-DESTROYED						ONCOMMERCIAL LEASURE/PERSONAL	TRANSP	PRIVATE, AGE 62, 643 Total Hours, 403 in type Not instrument rated.
	NAME OF A DEPARTURE LAKEVILL TYPE OF AC STALL S	E.MN CCIDENT	INDUST INTENDED DESTINATION LAWTON,OK						OPERATION HT OTHER		
) TO OBTAIN/MAINTAIN FL'	ING :	SPE	ED					
-0605	4/13/77 TIME - 173	HOUSTON,MO 30	TEENIE SPCL N3658 DAMAGE-DESTROYED						ONCOMMERCIAL LEASURE/PERSONAL	TRANSP	PRIVATE, AGE 52, 400 TOTAL HOURS, 200 IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE HOUSTON TYPE OF AC	MO CCIDENT FAILURE OR MALFUNG	INTENDED DESTINATION LOCAL			L	AND	ING	OPERATION GO-AROUND ROLL		
	PILOT IN MISCELLA FACTOR(S) TERRAIN COMPLETE F EMERGENCY	N COMMAND - INADEG N COMMAND - MISMAN ANEOUS ACTS.CONDI ANEOUS - EVASIVE - HIGH VEGETATION POWER LOSS - COMPL	TIONS - FUEL EXHAUSTION MANEUVER TO AVOID COLLI N ETE ENGINE FAILURE/FLAU FORCED LANDING OFF AIRP		-1	ENG	INE		ING		

FILE	DATE	LOCATION	AIRCRAFT DATA			IES S_M/	N	FLIGHT PURPOSE		PILOT DATA
3-3302	TIME - 101 DEPARTURE OKLAHOMA	POINT CITY•OK	TERRILL SPEC-L N3622G DAMAGE-SUBSTANTIAL INTENDED DESTINATION POINT LOOKOUT.MO		0	0	0 P		TRANSP	COMMERCIAL, AGE 25, 449 Total Hours, 3 In Type, Instrument Rated.
		CIDENT AILURE OR MALFUNCT N WITH GROUND/WATE			Ρ	IN I	LIG	OPERATION HT NORMAL CRUIS LEVEL OFF/TOUC		
	PILOT IN MISCELLA FACTOR(S) TERRAIN	COMMAND - INADEQU COMMAND - MISMAN NEOUS ACTS,CONDITI - ROUGH/UNEVEN	JATE PREFLIGHT PREPARAT AGEMENT OF FUEL IONS - FUEL EXHAUSTION ETE ENGINE FAILURE/FLAM					IING		
			DRCED LANDING OFF AIRPO							
3-3300	11/22/77 TIME - 160	CREVE COEUR,MO	COOT A N107D DAMAGE-DESTROYED					IONCOMMERCIAL PLEASURE/PERSONAL	TRANSP	COMMERCIAL, AGE 51, 1950 TOTAL HOURS, 205 IN TYPE NDT INSTRUMENT RATED.
	DEPARTURE ALTON+IL TYPE OF AC	CIDENT	INTENDED DESTINATION CREVE COEUR+MO		P			OP ER A TI ON		
	PROBABLE C					LAN	DING	S LEVEL OFF/TOUC	HDOWN	
	FACTOR(S)	NEOUS ACTS,CONDIT	TO RETRACT LANDING GEA		SE					
3 - 3721	12/30/77 TIME - 161	CREVE COEUR,MO 5	HEYING PDQ-2 N68079 DAMAGE-SUBSTANTIAL			0 0		IISCELLANEOUS TEST		COMMERCIAL, AGE 29, 2020 Total Hours, O IN TYPE, INSTRUMENT RATED.
	NAME OF AI Departure Creve Co		JR INTENDED DESTINATION LOCAL							
	TYPE OF AC ENGINE F NOSE OVE	AILURE OR MALFUNCT	TION		P	TAK	EOFF	OPERATION INITIAL CLIMB ROLL		
	PROBABLE C		S POWERPLANT FAILURE F	OR UN	DET	TERMI	NED	REASONS		

		BRIEFS	S OF AC	CIDEN TS	······································	
ILE	DATE LOCATION	AIRCRAFT DATA		URIES S M/N	FLIGHT PURPOSE	PILOT DATA
-3012	4/28/77 CENTRAL CITY.NE TIME - 1400	SPORTAVIA RF4-D N7723 Damage-substantial	РX-	0 0 1 0 0 0	MISCELLANEOUS FERRY	PRIVATE, AGE 49, 2500 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT KEARNEY.NE Type of Accident Propeller/Rotor Failure	INTENDED DESTINATION FREMONT,NE PROPELLER			F OPERATION IGHT NORMAL CRUISE	
	PROBABLE CAUSE(S) POWERPLANT - PROPELLER AM MISCELLANEOUS ACTS,CONDIT FACTOR(S)		E			
	MISCELLANEOUS ACTS,CONDIT EMERGENCY CIRCUMSTANCES - F REMARKS- WOOD PROPELLER BLA	ORCED LANDING OFF AIRPO	DRT ON		PELLER.	
0811	4/7/77 NR.FERNLEY.NV TIME - 1500 DEPARTURE POINT	SCHNEIDER ES-60 N8161 DAMAGE-SUBSTANTIAL INTENDED DESTINATION			NONCOMMERCIAL Pleasure/personal trans	PRIVATE, AGE 49, 494 P TOTAL HOURS, 38 IN TYPE NOT INSTRUMENT RATED.
	MINDEN+NV TYPE OF ACCIDENT HARD LANDING	LOCAL			IF OPERATION NG LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) WEATHER - SUDDEN WINDSHIF WEATHER BRIEFING - UNKNOWN				•	
	EMERGENCY CIRCUMSTANCES - F	ORCED LANDING OFF AIRPO	DRT ON	LAND		
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE			UNLIM	AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED) OBSTRUCTIONS TO VISION AT A		4	NONE Tempera		
	NONE TYPE OF WEATHER CONDITIONS VFR			70 TYPE OF NONE	FLIGHT PLAN	
					·	
			PAGE	44		

			BRIEF	S OF A						
FILE	DATE	LOCATION	AIRCRAFT DATA	IN		S M				PILOT DATA
-2049	7/31/77 TIME - 073	TONOPAH • NV 30	FOURNIER RF4D N7752 DAMAGE-SUBSTANTIAL	PX-	0 0	0 0	1	NONCOMMERCIAL PLEASURE/PERSONAL	TRANSP	COMMERCIAL, FL.INSTR., AGE 62, 2715 TOTAL HOURS 152 IN TYPE, NOT INSTRU- MENT RATED.
		CCIDENT	INTENDED DESTINATION ELKO.NV		ρ			F OPERATION FF INITIAL CLIMB		
	PILOT IN PILOT IN FACTOR(S)	N COMMAND - PREMAT	TO OBTAIN/MAINTAIN FLY To abort takeoff	ING S	PEE	D	*#			
	SKY CONDI CLEAR	TION			c		-	AT ACCIDENT SITE		
	VISIBILIT 5 OR OVE OBSTRUCTIO	Y AT ACCIDENT SITE ER(UNLIMITED) DNS TO VISION AT A				NORELA	IPI NE TIV	TATION AT ACCIDENT E BEARING OF WIND	-	
	NONE TEMPERATUI 73				W	IND		OUARTERING HEAD W Rection-degrees	IND 023-	067 DEGREES
	WIND VELO	CITY-KNOTS			T		OF	WEATHER CONDITION	S	
	NONE		FT.ENG-POWERED GLIDER.							
									÷	
-3359	11/11/77 TIME - 129		JEANIE TEENIE N5240 DAMAGE-DESTROYED					NONCOMMERCIAL Pleasure/personal		COMMERCIAL, AGE 36, 380 Total Hours, 12 in type, Instrument rated.
	DEPARTURE BOULDER	CITÝ,NV	ITY INTENDED DESTINATION LOCAL							
-	TYPE OF AG ENGINE F STALL	CCIDENT FAILURE OR MALFUNC	TION		Р	TA	KEO	F OPERATION FF INITIAL CLIMB FF INITIAL CLIMB	۰.,	
	MISCELL PILOT IN PARTIAL PI	N COMMAND - MISMAN ANEOUS ACTS,CONDIT N COMMAND - FAILED OWER LOSS - PARTIA	AGEMENT OF FUEL IONS - FUEL STARVATION TO OBTAIN/MAINTAIN FLY L LOSS OF POWER - 1 ENC ENGINE.STEEP CLIMB WIT	SINE			QUA	NTITY.	·	

			BRIEF	S OF ACC	IDENTS			
FILE	DATE	LOCATION	AIRCRAFT DATA		RIES S M/N	FLIGHT PURPOSE		PILOT DATA
-3533	10/31/77 TIME - 12	ALBUQUERQUE,NM 200	PIETENPOL AIRCAM N83893 DAMAGE-DESTROYED			NONCOMMERCIAL PLEASURE/PERSONAL	TRANSP	COMMERCIAL, FL.INSTR., AGE 23, 1272 TOTAL HOURS, I IN TYPE, INSTRUMENT RATED.
	DEPARTURE ALBUQUE TYPE OF A	RQUE, NM	INTENDED DESTINATION LOCAL			F OPERATION FF INITIAL CLIMB		
	STALL		ITM			OFF INITIAL CLIMB		
	POWERPL MISCELL PILOT I FACTOR(S) PILOT I	IEL - MAINTENANCE,SE ANT - IGNITION SYS ANEOUS ACTS+CONDIT IN COMMAND - FAILED	RVICING,INSPECTION I FEM SPARK PLUG IONS - LONSE,PART/FITT TO OBTAIN/MAINTAIN FL FAMILIARITY WITH AIR LOSS OF POWER - 1 EN	ING YING SPE CRAFT		ENANCE AND INSPECTI	ON	
		·						· ·
-3478	10/25/77 TIME - 16	NR.FULTON,NY	BABY LAKES RB1 N362RB DAMAGE-SUBSTANTIAL	PX- C		NONCOMMERCIAL PLEASURE/PERSONAL	TRANSP	COMMERCIAL, AGE 46, 1200 TOTAL HOURS, 17 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A DEPARTURE FULTON+N		INTENDED DESTINATION			* <u>.</u>		
	TYPE OF A ENGINE STALL	ACCIDENT FAILURE DR MALFUNC	T I ON		IN FL	IF OPERATION IGHT OTHER NG LEVEL OFF/TOUCH	IDOWN	
	MISCELL MISCELL PILOT I COMPLETE EMERGENCY	NEL - MAINTENANCE,SI ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT IN COMMAND - FAILED POWER LOSS - COMPLI 7 CIRCUMSTANCES - FU	ERVICING.INSPECTION I IONS - FUEL GRADE-IMPR IONS - FUEL CONTAMINAT TO OBTAIN/MAINTAIN FL ETE ENGINE FAILURE/FLA DRCED LANDING OFF AIRP STEEP TURN.USED AUTOM	OPER ION-EXCL YING SPE MEOUT-1 ORT ON L	USIVE C ED ENGINE AND	OF WATER IN FUEL		
				*		· · · ·		
		•		PAGE	46			

			BRIEF	S OF ACCIDENTS		
FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0335	3/10/77 TIME - 12:		C ACE E N91706 DAMAGE-SUBSTANTIAL	CR- 0 0 1	NONCOMMERCIAL	COMMERCIAL, AGE 34, 162 TRANSP TOTAL HOURS, 1 IN TYPE, INSTRUMENT RATED.
	DEPARTURE	IRPORT - WINKLER POINT DNVILLE∙NC	INTENDED DESTINATION			
	TYPE OF A Engine F Hard Lai	FAILURE OR MALFUNCT	TION	LANDI	DF OPERATION NG TRAFFIC PATTERN NG LEVEL OFF/TOUCH	
	MISCELL MISCELL FACTOR(S) WEATHER COMPLETE	ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT - CONDITIONS CONDU POWER LOSS - COMPLI	ER OPERATION OF POMERPI IONS - ANTI-ICING/DEIC IONS - ICE-CARBURETOR JCIVE TO CARB./INDUCTI ETE ENGINE FAILURE/FLAI ERCED LANDING ON AIRPO	ING EQUIPMENT-1 DN SYSTEM ICING MEDUT-1 ENGINE	MPROPER OPERATION O	F/OR FAILED TO USE
	SKY CONDI OVERCAS			8000	AT ACCIDENT SITE	SITE
	5 OR OV	ER(UNLIMITED) DNS TO VISION AT A	CCIDENT SITE	NONE RELATIV	/E BEARING OF WIND WIND 338-022 DEGREE	
	TEMPERATU 60 WIND VELO	RE-F CITY-KNOTS		160	RECTION-DEGREES	
	10 Type of Fi None	LIGHT PLAN		VFR	:	
3-2623	4/26/77 TIME - 14	LORAIN.OH	VERN BOARD MINI N57VB		NONCOMMERCIAL PLEASURE/PERSONAL	PRIVATE, AGE 58, 700 TRANSP TOTAL HOURS, 44 IN TYPE.
•	DEPARTURE	POINT	DAMAGE-DESTROYED INTENDED DESTINATION			NOT INSTRUMENT RATED.
	LORAIN, TYPE OF A STALL	CCIDENT	LOCAL		F OPERATION IGHT NORMAL CRUISE	
	PROBABLE					

				S OF AC					
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	IES S M/I	N	FLIGHT PURPOSE	PILOT DATA
3-2265	7/29/77 TIME - 14 DEPARTURE LAUREL,	POINT	STARDUSTER SA-300 N72TD DAMAGE-SURSTANTIAL INTENDED DESTINATION BLUFFTON, OH		0	0	1		PRIVATE, AGE 25, 264 TOTAL HOURS, 180 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A OVERSHO COLLIDE		POSTS			LAN	DIN	OPERATION G LEVEL OFF/TOUCHDOWN G ROLL	•
	PILOT I PILOT I PILOT I FACTOR(S) WEATHER WEATHER B	N COMMAND - INADEQU N COMMAND - CONTINU N COMMAND - BECAME N COMMAND - MISJUDG - RAIN RIEFING - NO RECORD CIRCUMSTANCES - PR	ATE PREFLIGHT PREPARA JED VFR FLIGHT INTO AD LOST/DISORIENTED GED DISTANCE AND SPEED O OF BRIEFING RECEIVED RECAUTIONARY LANDING DI VERSE/UNFAVORABLE WEA	VERSE V	EA.	THER			
	SKY CONDI				CE			AT ACCIDENT SITE	
	2 MILES	T Y AT ACCIDENT SITE OR LĖSS ONS TO VISION AT AC	CIDENT SITE			RAI	PIT N	ATION AT ACCIDENT SITE	
	FOG TYPE OF W	EATHER CONDITIONS	STITE			72 YPE (OF	FLIGHT PLAN	
	VFR REMARKS-	PILOT LANDED ON ROA	AD DUE TO DETERIORATIO	N WEA.		NON	E		
3-2628	9/3/77 TIME - 18	CLEVELAND,OH	FALCK SPEC N60089 DAMAGE-DESTROYED					MISCELLANEOUS AIR SHOW/RACING	COMMERCIAL, AGE 64, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRU-
	DEPARTURE CLEVELA TYPE OF A	ND+OH CCIDENT	INTENDED DESTINATION					OPERATION	MENT RATED.
	PROBABLE MISCELL FACTOR(S)	ANEOUS - UNDETERMIN		0 REST				GHT UNCONTROLLED DESCENT	
							-		
				PAGE	4	8			

3-2273 9/5/77 COLUMBUS.DH STARDUSTER SA-300 CR-0001 NONCOMMERCIAL COMMERCIAL, AGE 44, 2810 TIME - 1020 MORA MARGE-SUBSTANTIAL 0000 PLEASURE/PERSONAL TRANSP COMMERCIAL, AGE 44, 2810 NAME OF AIRPORT - JOSEPHINH MARGE-SUBSTANTIAL PLASURE/PERSONAL TRANSP COMMERCIAL, AGE 44, 2810 DEFARTURE POINT INTENDED DESTINATION COLAL MOT INSTRUMENT RATED. OCUMBUS.OH LOCAL PHASE OF OPERATION MOT INSTRUMENT RATED. NOSE OVER/DOWN THENDED DESTINATION TAKEOFF RUN PHOBABLE CAUSE(S) FILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTORISI TIME 1700 STOLP STARLE CR-000 0000 PLEASURE/PERSONAL TRANSP NAME OF AIRPORT - VERDON VICK DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL NAME OF AIRPORT - VERDON VICK DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL NAME OF AIRPORT - VERDON VICK DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL NOSE OVER/DOWN INTENDED DESTINATION MASISON COUNTY.OH INTENDED DESTINATION NOSE OVER/DOWN LAMONG ON ALL CONTROL PACTORSIS	FILE	DATE	LOCATION	AIRCRAFT DATA	F	JRIES SM,	'N	FLIGHT PURPOSE		PILOT DATA
DEPARTURE POINT COLUMBUS: OH LOCAL DECAL LOCAL PHASE OF DERATION NOSE OVER/DOWN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) FALTOR SOLD FACTOR(S) 3-2263 9/29/17 IRWIN.OH STOLP STARLE OF 0 0 1 NONCOMMERCIAL NAME OF AIRORT - VERNON VICK DAMAGESSUBSTANTIAL NAME OF AIRORT - VERNON VICK DAMAGESSUBSTANTIAL NOSE OVER/DOWN TYPE OF ACCIDENT NOSE OVER/DOWN PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL DEPARTURE POINT INFENDED DESTINATIAL DEPARTURE POINT INFENDED DESTINATIAL DEPARTURE POINT INFENDED DESTINATIAL DEPARTURE POINT INFENDED DESTINATION LOCAL PHASE OF OPERATION LOCAL PHASE OF OPERATION NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. PROBABLE CAUSE(S) PROBABLE CAU		TIME - 10)20 ⁻	STARDUSTER SA-300 N10RB DAMAGE-SUBSTANTIAL	CR-	0 0	1	NONCOMMERCIAL		TOTAL HOURS, 75 IN TYPE,
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) TERRAIN - HIGH VEGETATION 3-2263 9/29/77 IRWIN.OH STOLP STARLE CR- 0 0 1 NONCOMMERCIAL THE - 1700 N2300 PX- 0 0 0 PLEASURE/PERSONAL TRANSP DAMAGE-SUBSTANTIAL NAME OF AIRPORT - VERNON VICK DEPARTURE POINT INTENDED DESTINATION MADISON COUNTY.OH IRWIN.OH PHASE OF OPERATION NOSE OVER/DOWN LANDING ROLL PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(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 WAGONER.OK JODETTE JD-9 CR- 0 1 0 NONCOMMERCIAL TYPE OF ACCIDENT INTENDED DESTINATION MAGONER,OK JODETTE JD-9 CR- 0 0 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 120 IN TYPE. NOT INSTRUMENT RATED. 3-2871 8/21/77 WAGONER.OK JODETTE JD-9 CR- 0 1 0 NONCOMMERCIAL TYPE OF ACCIDENT INTENDED DESTINATION MAGONER,OK JODETTE JD-9 CR- 0 1 0 NONCOMMERCIAL TYPE OF ACCIDENT INTENDED DESTINATION MAGONER,OK JODEL DO DESTINATION COLLIDED WITH WIRES/POLES IN FLIGHT RUZZING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVDID OBJECTS OR OBSTRUCTIONS MISCELLANEOUS ACTS.CONDITIONS - UNAARAANTED LOW FLYING REMARKS- VW ENG.EXP MED.NO BIENNIAL FLT REVIEW		DEPARTURE COLUMBU TYPE OF A	E POINT JS+OH ACCIDENT	INTENDED DESTINATION						
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TIME - 1700 N2300 PX-000 0 PLEASURE/PERSINAL TRANSP TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED. NAME OF AIRPORT - VERNON VICK DEMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. NOT INSTRUMENT RATED. MADISON COUNTY.0H INTENDED DESTINATION HASE OF OPERATION NOT INSTRUMENT RATED. MADISON COUNTY.0H IRWIN.0H PHASE OF OPERATION LANDING ROLL TYPE OF ACCIDENT DAMAGE-SUBSTANTIAL LANDING ROLL PROBABLE CAUSE(S) FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- FERRY FLT. DAMAGE-SUBSTANTIAL PX-000 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 120 IN TYPE, NOT INSTRUMENT RATED. 3-2871 8/21/77 WAGONER,OK JODETTE JD-9 CR-000 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 120 IN TYPE, NOT INSTRUMENT RATED. 3-2871 8/21/77 WAGONER,OK JODETTE JD-9 CR-0000 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 120 IN TYPE, NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION MAGEESUBSTANTIAL PX-0000 0 PLEASURE/PERSONAL TRA										
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3-2871 8/21/77 WAGONER,OK JODETTE JD-9 CR- 0 1 0 NONCOMMERCIAL PRIVATE, AGE 46. 395 TIME - 2000 N2811J PX- 0 0 0 PLEASURE/PERSONAL TRANSP DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION WAGONER,OK LOCAL PHASE OF OPERATION TYPE OF ACCIDENT INTERS/POLES 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		PILOT I FACTOR(S) PILOT 1	IN COMMAND - FAILED		-	ROL				
TIME - 2000 N2811J PX- 0 0 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 120 IN TYPE, DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION NOT INSTRUMENT RATED. WAGONER,OK LOCAL PHASE OF OPERATION TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT RUZZING 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		REMARKS-	FERRY FLT.							
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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						IN	FLI	GHT BUZZING		•
		PILOT I MISCELL	IN COMMAND - FAILED ANEOUS ACTS,CONDITI	ONS - UNWARRANTED LOW			UCT	IONS		

			BRIEF							
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	IJUR F	S N	5 1/N	FLIGHT	SE	PILOT DATA
		REGON CITY+OR	HARMON STITS N219H DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	MISCELLAN FERRY		PRIVATE, AGE 52, 3500 TOTAL HOURS, O IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PO MULINO.OR TYPE OF ACCI UNDERSHOOT		INTENDED DESTINATION OREGON CITY+OR		P	L۵	NDI	F OPERATIO NG FINAL NG FINAL	APPROACH	· · · · · ·
	PILOT IN C FACTOR(S) PILOT IN C WEATHER -	OMMAND - MISJUD OMMAND - FAILED OMMAND - LACK O SUDDEN WINDSHIF	GED DISTANCE AND ALTIT TO INITIATE GO-AROUND F FAMILIARITY WITH AIR T D OF BRIEFING RECEIVED							
	SKY CONDITIO				c	EIL	ING	AT ACCIDE	NT SITE	
	5 OR OVER(UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE Relative bearing of wind						
	· OBSTRUCTIONS NONE WIND DIRECTI	TO VISION AT A ON-DEGREES	CCIDENT SITE			HE	AD		22 DEGREES	
	265 TYPE OF WEAT VER	HER CONDITIONS			- 1			FLIGHT PL	AN	
	REMARKS- PLT	RPTS ACFT ENCO	UNTERED GUST,SETTLED,S	TRUCK	FEN	ICE	SHO	RT OF RWY.	PLTS 1ST FLT TH	IS ACFT.
3-1682	6/5/77 A TIME - 1515	LBANY,OR	TAILWIND W8 N9EG					NONCOMMER PLEASURE/		PRIVATE, AGE 51, 1046 TOTAL HOURS, 138 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRP DEPARTURE PO		DAMAGE-DESTROYED							NOT INSTRUMENT RATED.
	ALBANY,OR TYPE OF ACCI ENGINE FAI HARD LANDI	LURE OR MALFUNC	YELM,WA TION		F	TA	KEO	F OPERATIO FF INITIA NG LEVEL		
	MISCELLANE	OMMAND - INADEQ	UATE PREFLIGHT PREPARA IONS - WATER IN FUEL ER LEVEL OFF	TION 4	ND/	OR	PLA	NNING		
	COMPLETE POW EMERGENCY CI FIRE AFTER I	ER LOSS - COMPL RCUMSTANCES - F MPACT	ETE ENGINE FAILURE/FLA ORCED LANDING OFF AIRP AGL+LNDD HARD IN SMALL	ORT ON		ND				

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FILE	DATE LOCATION	AIRCRAFT DATA	F	F S	M/N	PURPOSE	PILOT DATA
3-2793	7/23/77 WILLSONVILLE.OR TIME - 0945 DEPARTURE POINT		CR- PX-	0	0 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	PRIVATE, AGE 50, 222 P TOTAL HOURS, 65 IN TYPE NOT INSTRUMENT RATED.
	EVERGREEN.WA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNC NOSE OVER/DOWN	HUBBARD+OR		РН	SCAPP ASE C IN FL	OOSE,OR DF OPERATION IGHT NORMAL CRUISE NG ROLL	
·	PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUC MISCELLANEOUS ACTS,CONDIT MISCELLANEOUS ACTS,CONDIT TERRAIN - HIGH VEGETATION	IONS - LOOSE,PART/FITT IONS - LOW COMPRESSION					
-	PARTIAL POWER LOSS - PARTIA Emergency circumstances - F Remarks- VW 1600CC Engine.L	ORCED LANDING OFF AIRPO	ORT ON			NUT.INTAKE ROCKER DISEN	SAGED FM PUSH ROD.
3-0704	2/26/77 JULIAN,PA TIME - 1400	VOLKSPLANE VP-1 N9228 DAMAGE-DESTROYED					PRIVATE, AGE 48, 213 P TOTAL HOURS, 85 IN TYPF NOT INSTRUMENT RATED.
	NAME OF AIRPORT - RIDGE GLI DEPARTURE POINT BELLEFONTE.PA TYPE OF ACCIDENT STALL	DER PORT				F OPERATION NG TRAFFIC PATTERN-CIRC	
÷ 1.	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED	TO OBTAIN/MAINTAIN FL	YING SI	PEED			
3-2364	5/25/77 SHINGLEHOUSE,PA TIME - 1630	SPEZIO TU HOL N14921 DAMAGE-SUBSTANTIAL	РX-	0) 0 1 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE UNK/NR, 53 TOTAL HOURS, O IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - STRIP DEPARTURE POINT SHINGLEHOUSE•PA	INTENDED DESTINATION					
	TYPE OF ACCIDENT STALL MUSH					F OPERATION OTHER	
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUD PILOT IN COMMAND - FAILED PILOT IN COMMAND - LACK O	TO OBTAIN/MAINTAIN FL		PEED			

		_ ~	BRIEFS	OF AC		DEN	TS		
FILE	DATE	LOCATION	AIRCRAFT DATA	IN. F		IES S M		FLIGHT PURPOSE	PILOT DATA
-3317	6/4/77 O TIME - 1909	XFORD.PA	FLY-BABY 1A N5550 DAMAGE-DESTROYED	-	_			NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 61, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRP DEPARTURE PO OXFORD.PA TYPE OF ACCI	INT	INTENDED DESTINATION LOCAL		P	HAS	ΕO	FOPERATION	
		WITH GROUND/WATE	R UNCONTROLLED			-		WN/NOT REPORTED	
	PROBABLE CAU MISCELLANE	SE(S) OUS - UNDETERMIN	ED						
-2313	8/20/77 G TIME - 1520	ROVE CITY,PA	STARDUSTER TOO N3263 Damage-Substantial					NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 35, 292 Total Hours, 192 In Type Not Instrument Rated.
	DEPARTURE PO BUTLER-GRA Type of Acci	HAM, PA			Ρ	-		F OPERATION NG ROLL	NOT INSTRUMENT RATED.
	PROBABLE CAU		PPROACH LIGHTS To maintain directiona	L CON	TRO	-	NDI	NGROLL	
			·		_	_			
-3316	TIME - 1300	ASHINGTON, PA	BLUMFELDT SPORT N9052 DAMAGE-SUBSTANTIAL					NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 46, 254 TOTAL HOURS, 52 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PO WASHINGTON		INTENDED DESTINATION						
	TYPE OF ACCI	DENT Lure or Malfunct			Ρ	LA	NDI	F OPERATION NG FINAL APPROACH NG LEVEL OFF/TOUCHDOWN	
	TERRAIN -	- MISCELLANEOUS WET,SOFT GROUND	POWERPLANT FAILURE F	OR UN)E T	ERM	INE	DREASONS	
	COMPLETE POW		TE ENGINE FAILURE/FLAN RCED LANDING DFF AIRPO				NE		

			BRIEF	S OF ACC				
FILE	DATE	LOCATION	AIRCRAFT DATA	INJU	RIE			PILOT DATA
-2936	TIME - 1845	ΡΔ	MINIPLANE DS N4671T DAMAGE-DESTROYED	CR- C	0	0	NONCOMMERCIAL PRACTICE F OPERATION	PRIVATE, AGE 50, 150 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN CO FACTOR(S) TERRAIN - P	SE(S) DMMAND - LACK (DMMAND - IMPROF HIGH OBSTRUCTIO	DE FAMILIARITY WITH AIRO PER OPERATION DE FLIGHT DNS DSE HI EM TKOF TO TREE S	CONTROL	. S		WY.	
-1018	4/30/77 NR.(CAMDEN + SC	STARDUSTER 2	CR- 1	0	0	NONCOMMERCIAL	COMMERCIAL, AGE 46, 1416
	TIME - 1400		N2JL DAMAGE-DESTROYED					TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PO CAMDEN AIRE TYPE OF ACCIE COLLISION A	PORT + SC DENT	INTENDED DESTINATION LOCAL TER UNCONTROLLED				IF OPERATION IGHT ACROBATICS	
	PROBABLE CAU MISCELLANE FIRE AFTER I	DUS - UNDETERMI	INED T					
-1936	9/2/77 AI TIME - 1530 DEPARTURE PO	LLENDALE.SC	AMATEUR ACE-E N91706 DAMAGE-SUBSTANTIAL INTENDED DESTINATION				NONCOMMERCIAL Pleasure/personal transp	COMMERCIAL, AGE 35, 1600 TOTAL HOURS, 30 IN TYPE, INSTRUMENT RATED.
	ALLENDALE, Type of Accin	SC DENT LURE OR MALFUNC	LOCAL		I	N FL	F OPERATION IGHT NORMAL CRUISE NG LEVEL OFF/TOUCHDOWN	
	POWERPLANT	- IGNITION SYS - ENGINE STRUC	STEM SPARK PLUG CTURE PISTON≁PISTON RI FIONS - LOW COMPRESSION	NGS		r	ана алар 1910 - Алар 1910 - Алар	
•	TERRAIN -	WET,SOFT GROUND R LOSS - PARTIA	SERVICING, INSPECTION IN D AL LOSS OF POWER - 1 ENG FORCED LANDING OFF AIRPO	GINE			ENANCE AND INSPECTION	
			-PISTON ERODED IN NUMBE					

BRIEFS OF ACCIDENTS

		pk j	EFS OF ACCIDEN			
FILE		ATION AIRCRAFT DATA	INJURIES F S M/		• *	PILOT DATA
	12/11/77 TEA.SD TIME - 1515 NAME OF AIRPORT - DEPARTURE POINT TEA.SD TYPE OF ACCIDENT HARD LANDING GEAR COLLAPSED	LIABLE COUGAR N61292 DAMAGE-SUBSTANTI	CR- 0 0 PX- 0 0 AL N PHASE LAT	1 NONCOMMERCIAL 0 PLEASURE/PERSONA 0F OPERATION IDING LEVEL OFF/TOU IDING LEVEL OFF/TOU	CHDOWN	PRIVATE, AGE 54, 534 TOTAL HOURS, 49 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN COMMAND FACTOR(S) WEATHER - UNFAVO MISCELLANEOUS AC INSTRUMENTS/EQUI	- IMPROPER LEVEL OFF - IMPROPER RECOVERY FROM BOU RABLE WIND CONDITIONS TS.CONDITIONS - OVERLOAD FAIL PMENT AND ACCESSORIES - FLIGH TS.CONDITIONS - ERRATIC	URE	N INSTRUMENTS AIRS	PEED	
	SKY CONDITION CLEAR VISIBILITY AT ACCI 5 OR OVER (UNLIMI OBSTRUCTIONS TO VI NONE TEMPERATURE-F 32 WIND VELOCITY-KNOT 25 TYPE OF FLIGHT PLA NONE REMARKS- WND GUSTI	TED) SION AT ACCIDENT SITE S N	UN PREC NOT RELA HEZ WIND 170	IVE BEARING OF WIND D WIND 338-022 DEGR DIRECTION-DEGREES OF WEATHER CONDITIO	T SITE EES	
3-0133	FACTOR(S)	N819 DAMAGE-SUBSTANTI AIR PARK INTENDED DESTINATIO LOCAL	PX- 0 0 AL PHASI TAN TAN DNAL (JTROL		L TRANSP	PRIVATE, AGE 25, 77 TOT/ HOURS, 2 IN TYPE, NOT INSTRUMENT RATED.
			PAGE 54			

	DATE	LOCATION	AIRCRAFT DATA		JURI F S	IES 5 m/n	FLIGHT PURPO <u>S</u> E	PILOT DATA
3-0134	2/9/77 TIME - 14		SKYBOLT 260 N260SB DAMAGE-DESTROYED		-		NONCOMMERCIAL PLEASURE/PERSONAL TRAN	ATP.FLIGHT INSTR., AGE ISP 39, 9000 TOTAL HOURS, 7 IN TYPE, INSTRUMENT RATED.
	DEPARTURE MULESHO TYPE OF A STALL	DE•TX ACCIDENT	INTENDED DESTINATION LOCAL				F OPERATION IGHT ACROBATICS	
	PROBABLE PILOT I	CAUSE(S) N COMMAND - IMPRO	PER OPERATION OF FLIGHT TENTIONAL INVERTED SPIN		OLS			
3-0308	3/16/77 TIME - 11	PECOS,TX 20	SMITH-MINI N292J DAMAGE-SUBSTANTIAL	Р X –			MISCELLANEOUS FERRY	CUMMERCIAL, FL.INSTR., AGE 42, 606 TOTAL HOURS 2 IN TYPE, INSTRUMENT RATED.
	DEPARTURE MIDLAND TYPE OF A	ο₊τx	NICIPAL INTENDED DESTINATION PECOS,TX				F OPERATION NG LEVEL OFF/TOUCHDOWN	
		E - LANDING GEAR	MAIN GEAR-SHOCK ABSORB TIONS - POOR WELD	ING AS	SY, S	TRUTS	• ATTACHMENTS • ETC •	
3-0799	AIRFRAM MISCELL 5/7/77 TIME - 16	E - LANDING GEAR ANEOUS ACTS.CONDI SPICEWOOD.TX 30	TIONS - POOR WELD ASTIR 1 N135SS DAMAGE-DESTROYED	CR-	0	0 1	NONCOMMERCIAL	PRIVATE, AGE 31, 115 ISP TOTAL HOURS, 28 IN TYPI NOT INSTRUMENT RATED.
3-0799	AIRFRAM MISCELL 5/7/77	IE - LANDING GEAR ANEOUS ACTS,CONDI SPICEWOOD,TX 30 POINT DD,TX CCIDENT	TIONS - POOR WELD ASTIR 1 N135SS	CR-	0 0 PH	0 1 0 0	NONCOMMERCIAL	SP TOTAL HOURS, 28 IN TYPE
3-0799	AIRFRAM MISCELL 5/7/77 TIME - 16 DEPARTURE SPICEWO TYPE OF A STALL PROBABLE PILOT I FACTOR(S) WEATHER	E - LANDING GEAR ANEOUS ACTS.CONDI SPICEWOOD.TX 30 POINT DOD.TX CCIDENT MUSH CAUSE(S) N COMMAND - FAILER - WIND SHEAR	TIONS - POOR WELD ASTIR 1 N135SS DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- PX- YING S	O O PH	0 1 0 0 HASE (1 LANDI	NONCOMMERCIAL PLEASURE/PERSONAL TRAN F OPERATION	SP TOTAL HOURS, 28 IN TYPE
3-0799	AIRFRAM MISCELL 5/7/77 TIME - 16 DEPARTURE SPICEWO TYPE OF A STALL PROBABLE PILOT I FACTOR(S) WEATHER EMERGENCY SKY CONDI SCATTER VISIBILIT 5 OR OV	E - LANDING GEAR ANEOUS ACTS.CONDI SPICEWOOD.TX 30 POINT OD.TX CCIDENT MUSH CAUSE(S) N COMMAND - FAILER COMMAND - FAILER CIRCUMSTANCES -	TIONS - POOR WELD ASTIR 1 N135SS DAMAGE-DESTROYED INTENDED DESTINATION LOCAL D TO OBTAIN/MAINTAIN FL FORCED LANDING OFF AIRP	CR- PX- YING S	0 0 PH D D LAN CE PR TE	0 1 0 0 IASE 0 LANDI D ILING UNLIM RECIPI	NONCOMMERCIAL PLEASURE/PERSONAL TRAN F OPERATION NG FINAL APPROACH	ISP TOTAL HOURS, 28 IN TYPE NOT INSTRUMENT RATED.

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			BRIEFS							
FILE	DATE LOO	CATION	AIRCRAFT DATA	1		M/N		FLIGHT PURPOSE		PILOT DATA
3-1297	6/9/77 ALVORD TIME - 1100	,TX	STARDUSTER TOD N13GH DAMAGE-DESTROYED	CR-	1	0 0	N	ONCOMMERCIAL	TRANSP	AIRLINE TRANSPORT, AGE 53, 26000 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT DENTON+TX TYPE OF ACCIDENT	. 1	INTENDED DESTINATION LOCAL		РН		OF	OPERATION		KATED.
	COLLISION WITH	GROUND/WATER	CONTROLLED					HT ACROBATICS		
	PROBABLE CAUSE(S) PILOT IN COMMANN FACTOR(S)	-		CI VIN	c					
	MISCELLANEDUS A	CIS+CUNDIII	INS - UNWARRANTED LOW		6					
3-2877	8/4/77 HEBRON TIME - 2145	•TX	GERSBACH SDWNDR N11KG DAMAGE-SUBSTANTIAL					ONCOMMERCIAL LEASURE/PERSONAL	TRANSP	COMMERCIAL, AGE 35, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT
	NAME OF AIRPORT - DEPARTURE POINT DALLAS+TX		NTENDED DESTINATION							INSTRUMENT RATED.
	TYPE OF ACCIDENT STALL SPIN							OPERATION TRAFFIC PATTERM	N-CIRCLI	NG
	PROBABLE CAUSE(S) PILOT IN COMMANN) - FAILED 1	O OBTAIN/MAINTAIN FLY	'ING SI	PEED	1		•		
3-3519	10/15/77 KERRVI TIME - 1305	LLE,TX	N363RG	PX-	0	0 1	F	IONCOMMERCIAL PLEASURE/PERSONAL		PRIVATE, AGE 34, 410 TOTAL HOURS, 79 IN TYPE
	NAME OF AIRPORT - Departure point Kerrville.tx		DAMAGE-MINOR MUNI INTENDED DESTINATION LOCAL	OT-	0	0 2				NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLISION WITH	AIRCRAFT B	TH IN FLIGHT					OPERATION FINAL APPROACH		
			TO SEE AND AVOID OTHER PERSONNEL PILOT OF OT							
	SPECIAL DATA SEGMENTS OF AVI CONTROLLING AGE TRAFFIC ADVISOR CONTROL ZONE/AR HORIZONTAL COLL	NCY - NO COM Y ISSUED - M EA - NO	INE	-SMAL		RADA Cont Conv	R C ROL ERG	TL/SURVEILLANCE .	AIRPORT ES - 0	SERVICE NOT AVAILABLE - UNCONTROLLED AIRPORT S - 3

ILE	DATE LOCA	TION AIRCRAFT DATA	INJURIES F S M/N	—	PILOT DATA.						
3-2097	7/3/77 BENNINGTO TIME - 1613 DEPARTURE POINT	N77VL DAMAGE-SUBSTANTIAL INTENDED DESTINATION	PX- 0 0 0	NONCOMMERCIAL Pleasure/personal tran	PRIVATE, AGE 31, 161 SP TOTAL HOURS, 89 IN TYPE, NOT INSTRUMENT RATED.						
	NORTH ADAMS,MA RETURN TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH TREES LANDING FINAL APPROACH										
	FACTORIS) 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			G AT ACCIDENT SITE							
	VISIBILITY AT ACCID			ITATION AT ACCIDENT SITE							
		ION AT ACCIDENT SITE	WIND D: 315	WIND DIRECTION-DEGREES 315							
	WIND VELOCITY-KNOTS		TYPE OF VFR	WEATHER CONDITIONS							
	TYPE OF FLIGHT PLAN										

				S OF ACC					
-	DATE	LOCATION	AIRCRAFT DATA	INJU F	JR	IES S M	/ N	FLIGHT PURPOSE	PILOT DATA
				CR- (PX- (NONCOMMERCIAL PLEASURE/PERSONAL TRAN	AIRLINE TRANSPORT, AGE SP 51, 17000 TOTAL HOURS, 20 IN TYPE, INSTRUMENT RATED.
			CUS INTENDED DESTINATION BEALETON,VA						
		CCIDENT E FAILURE IN FLIGH ER/DOWN	т			IN	FL	F OPERATION IGHT NORMAL CRUISE NG ROLL	
	MISCELL/ PILOT IN FACTOR(S)	E - FLIGHT CONTROL ANEOUS ACTS,CONDITI	SURFACES AILERON SUR DNS — MATERIAL FAILUR D WRONG RUNWAY RELATI CONDITIONS	E			-		
	5 OR OVE	Y AT ACCIDENT SITE ER (UNLIMITED)			PF	UN REC NO	LIM IPI NE	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITE E BEARING OF WIND	
	NONE	DNS TO VISION AT AC	CIDENT SITE			RI	БН́Т VЕ	CROSS WIND 068-112 DEG LOCITY-KNOTS	REES
	VFR	· · · · · · ·	WY INTO WIND AVAILABL	c		YPE NO		FLIGHT PLAN	
	KEMARK3- J	AIL CABLE FAILED. K	WY INTO WIND AVAILADL						· · ·
3-0962		LANGLEY,WA 30	VOLMER VT22 N117JS DAMAGE-DESTROYED	CR- (PX- ())	0 0	1 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 37, 613 Total Hours, o in type, Not instrument rated.
	NAME OF A DEPARTURE LANGLEY TYPE OF A	, WA	ELD INTENDED DESTINATION LOCAL		PI	нас	FO	F OPERATION	
	STALL							IGHT OTHER	
	PILOT I	N COMMAND - FAILED N COMMAND - LACK OF	TO OBTAIN/MAINTAIN FL FAMILIARITY WITH AIR T FLT•PLT PRACTICING	CRAFT			PEE	D.PLT STATES.CTLS INEFF	ECTIVE IN SPIN.
					C T I	LS	PEE	D.PLT STATES.CTLS INEFF	ECTIVE IN SPIN.

FILE	DATE	LOCATION	AIRCRAFT DATA			IES S M/N			PILOT DATA	
3-1683	5/1/77 TIME - 150	KENNEWICK,WA 00	EAA BIPLANE P N168K DAMAGE-SUBSTANTIAL	-		-	NONCOMMERCIAL PLEASURE/PERSONAL TRA		COMMERCIAL, AGE 64, 4200 TOTAL HOURS, 200 IN TYPE NOT INSTRUMENT RATED.	
		IRPORT - VISTA FIE								
	DEPARTURE KENNEWI(INTENDED DESTINATION LOCAL							
	TYPE OF ACCIDENT				Ρ	HASE	DF OPERATION			
	ENGINE P	FAILURE OR MALFUNC ER/DOWN	TION				LIGHT OTHER ING ROLL			
	PROBABLE (CAUSE(S)								
	PILOT I	N COMMAND - MISMAN								
			IONS - FUEL STARVATION							
	PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S)									
	TERRAIN - WET, SOFT GROUND									
			_							
			ES - AIRPORT CONDITIONS							
	COMPLETE P	POWER LOSS - COMPL	ES - AIRPORT CONDITIONS ETE ENGINE FAILURE/FLAN ORCED LANDING OFF AIRPO	IEOUT-	1 E					
	COMPLETE I Emergency	POWER LOSS - COMPL CIRCUMSTANCES - F	ETE ENGINE FAILURE/FLAM	NEOUT-	1 E	ND	ON EMPTY TANK.OTR ACF	t on P	RWY.	
	COMPLETE I Emergency	POWER LOSS - COMPL CIRCUMSTANCES - F	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO	NEOUT-	1 E	ND	ON EMPTY TANK.OTR ACF	t on P	twy.	
3-1681	COMPLETE F EMERGENCY REMARKS- F 7/18/77	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP(ROLL,ENG QUIT AT 900FT WULLE VP2	CR-	1 E LA SEL	ND ECTOR 0 1	NONCOMMERCIAL		PRIVATE, AGE 26, 462	
3-1681	COMPLETE I EMERGENCY REMARKS- I	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP(ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596	CR-	1 E LA SEL	ND ECTOR 0 1	NONCOMMERCIAL		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- I 7/18/77 TIME - 184	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA 45	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596 DAMAGE-DESTROYED	CR-	1 E LA SEL	ND ECTOR 0 1	NONCOMMERCIAL		PRIVATE, AGE 26, 462	
3-1681	COMPLETE F EMERGENCY REMARKS- F 7/18/77	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA 45 POINT	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP(ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596	CR-	1 E LA SEL	ND ECTOR 0 1	NONCOMMERCIAL		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- I 7/18/77 TIME - 18 DEPARTURE BELLING TYPE OF AU	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA 45 POINT HAM,WA CCIDENT	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR-	1 E LA SEL 0 0	ND ECTOR 0 1 0 0 HASE	NONCOMMERCIAL PLEASURE/PERSONAL TRJ DF OPERATION		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- I 7/18/77 TIME - 18 DEPARTURE BELLING TYPE OF AU	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA 45 POINT HAM,WA	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR-	1 E LA SEL 0 0	ND ECTOR 0 1 0 0 HASE	NONCOMMERCIAL Pleasure/personal tr/		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- 1 7/18/77 TIME - 18 DEPARTURE BELLING TYPE OF AA COLLIDE PROBABLE 0 PILOT 11	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE.WA 45 POINT HAM.WA CCIDENT D WITH WIRES/POLE CAUSE(S) N COMMAND - FAILEE	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRP ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	NEOUT- DRT ON FUEL CR- PX-	I E LA SEL O O P	ND ECTOR 0 1 0 0 HASE IN FI	NONCOMMERCIAL PLEASURE/PERSONAL TR/ DF OPERATION LIGHT NORMAL CRUISE		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- 1 7/18/77 TIME - 18 DEPARTURE BELLING TYPE OF AA COLLIDE PROBABLE 0 PILOT 11	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE.WA 45 POINT HAM.WA CCIDENT D WITH WIRES/POLE CAUSE(S) N COMMAND - FAILEE	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO ROLL,ENG QUIT AT 900FT. WULLE VP2 N5596 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL S	NEOUT- DRT ON FUEL CR- PX-	I E LA SEL O O P	ND ECTOR 0 1 0 0 HASE IN FI	NONCOMMERCIAL PLEASURE/PERSONAL TR/ DF OPERATION LIGHT NORMAL CRUISE		PRIVATE, AGE 26, 462 Total Hours, 113 IN Type	
3-1681	COMPLETE I EMERGENCY REMARKS- I 7/18/77 TIME - 18 DEPARTURE BELLING TYPE OF AU COLLIDED PROBABLE (PILOT II MISCELL, FACTOR(S) TERRAIN	POWER LOSS - COMPL CIRCUMSTANCES - F PWR LOSS AFTR SLO- FERNDALE,WA 45 POINT HAM,WA CCIDENT D WITH WIRES/POLE CAUSE(S) N COMMAND - FAILED ANEOUS ACTS,CONDIT - HIGH OBSTRUCTIO	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO ROLL,ENG QUIT AT 900FT WULLE VP2 N5596 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL S TO SEE AND AVOID OBJEC IONS - UNWARRANTED LOW	NEOUT- DRT ON FUEL CR- PX- CTS OR FLYIN	1 E LA SEL 0 0 P	ND ECTOR 0 1 0 0 HASE IN FI	NONCOMMERCIAL PLEASURE/PERSONAL TR/ DF OPERATION LIGHT NORMAL CRUISE		PRIVATE, AGE 26, 462 Total Hours, 113 IN TYP	

FILE		ATDODACT DATA	TN 1110 T F	 c		PILOT DATA
FILE	DATE LOCATION	AIRCRAFT DATA	INJURIE: F S I		PURPOSE	PILUT DATA
-2902	7/19/77 SHELTON,WA TIME - 1210 NAME OF AIRPORT - SANDERS DEPARTURE POINT	TAYLOR BRM N65360 DAMAGE-DESTROYED ON FIELD INTENDED DESTINATION	CR- 1 0 PX- 0 0		ONCOMMERCIAL RACTICE	STUDENT, AGE 38, 22 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	SHELTON,WA TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/W	LOCAL	L	ANDING	OPERATION TRAFFIC PATTERN-CIRCL HT UNCONTROLLED DESCEN	
	ROTORCRAFT - TRANSMISSI MISCELLANEOUS ACTS.COND MISCELLANEOUS ACTS.COND PILOT IN COMMAND - IMPR FACTOR(S)	<pre>,SERVICING,INSPECTION I ON ROTOR ORIVE SYSTEM O ITIONS - IMPROPERLY INST ITIONS - OISCONNECTED OPER OPERATION OF FLIGHT ITIONS - UNAPPROVED MODI</pre>	THER ALLED CONTROLS	AINTEN	ANCE AND INSPECTION	
	REMARKS- MCCULLOUGH 4318A	ENGINE.PREROTATOR FLEX	SHAFT UNCPLI	D,MOVE	D INTO PROP ARC.M/R STR	UCK RUDDER.
-2088	7/24/77 ARLINGTON,WA TIME - 1145	KR-2 N43TS DAMAGE-DESTROYED			I SCELLANEOUS XPER IMENTATION	COMMERCIAL, AGE 50, 3000 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - ARLINGT DEPARTURE POINT ARLINGTON.WA TYPE OF ACCIDENT	INTENDED DESTINATION LOCAL			OPERATION	
	COLLISION WITH GROUND/W PROBABLE CAUSE(S)				INITIAL CLIMB	
	PILOT IN COMMAND - INAD COPILOT - FAILURE TO RE					
·3103	COPILOT - FAILURE TO RE					PRIVATE, AGE 49, 823
-3103	COPILOT - FAILURE TO RE 8/13/77 PLAIN,WA TIME - 0810 DEPARTURE POINT	LINQUISH CONTROL BUSHBY MIDG MUSTNG N73T DAMAGE-SUBSTANTIAL INTENDED DESTINATION	PX- 0 0			
-3103	COPILOT - FAILURE TO RE 8/13/77 PLAIN.WA TIME - 0810	LINQUISH CONTROL BUSHBY MIDG MUSTNG N73T DAMAGE-SUBSTANTIAL INTENDED DESTINATION ARLINGTON,WA	PX- 0 0 PHA: I	0 P SE DF N FLIG		TOTAL HOURS, 162 IN TYPE,
-3103	COPILOT - FAILURE TO RE 8/13/77 PLAIN,WA TIME - 0810 DEPARTURE POINT LEWISTON,ID TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE STALL PROBABLE CAUSE(S) POWERPLANT - PROPELLER	LINQUISH CONTROL BUSHBY MIDG MUSTNG N73T DAMAGE-SUBSTANTIAL INTENDED DESTINATION ARLINGTON,WA	PX- 0 0 PHA: II LI	0 P SE DF N FLIG ANDING	LEASURE/PERSONAL TRANSP OPERATION HT NORMAL CRUISE FINAL APPROACH	TOTAL HOURS, 162 IN TYPE,

BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE VANCOUVER,WA 3-3110 8/21/77 PITTS MR1 CR- 1 0 0 MISCELLANEOUS PRIVATE, AGE 63, 3200 TIME - 1413 N30059 PX- 0 0 0 AIR SHOW/RACING TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT DAMAGE-DESTROYED 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 LAKEWOOD CTR.WA ANDERSON KGESHR CR- 0 2 0 NONCOMMERCIAL COMMERCIAL, FL.INSTR., PX- 0 0 0 PLEASURE/PERSONAL TRANSP AGE 50, 11000 TOTAL TIME - 1558 N8DE DAMAGE-SUBSTANTIAL HOURS, 140 IN TYPE, INSTRUMENT RATED. NAME OF AIRPORT - LAKE STEILACOOM LAST ENROUTE STOP DEPARTURE POINT INTENDED DESTINATION LAKE STEILACOOM,WA TACOMA,WA RETURN TYPE OF ACCIDENT PHASE OF OPERATION TAKEOFF INITIAL CLIMB COLLIDED WITH TREES PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - FAILED TO ABORT TAKEOFF 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 PRECIPITATION AT ACCIDENT SITE VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED) RAIN SHOWERS OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 66 WIND VELOCITY-KNOTS WIND DIRECTION-DEGREES 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.

FILE	DATE	LOCATION	AJRCRAFT DATA			IES S M/		EL IGHT PUR POSE	PILOT DATA
-3886	DEPARTURF SPANAWA TYPE OF A ENGINE	30 IRPORT - SPANAWAY POINT Y.WA	N92292 DAMAGE-SURSTANTIAL INTENDED DESTINATION LOCAL	PX-	0	n Hase Taf		MISCELLANEOUS TEST - OPERATION -F INITIAL CLIMB -F INITIAL CLIMB	COMMERCIAL, AGE 25, 303 TOTAL HOURS, O IN TYPE, NUT INSTRUMENT RATED.
-4010	PERSONN TERRAIN PARTIAL P EMERGENCY REMARKS-	ANT - IGNITION SYS EL - PRODUCTION-DE I - HIGH OBSTRUCTIO OWER LOSS - PARTIA CIRCUMSTANCES - F	SIGN-PERSONNEL POOR/IN NS L LOSS OF POWER - 1 ENC NRCED LANDING OFF AIRP RIVE PAD,ROTATED.VW-REN	SINE DRT ON VEMASTE	LA	ND ENG	INE.		CŪMMERCIAL, AGE 51, 744
-4010	TIME - 15 NAME OF A	23 IRPORT - WITTMAN F POINT	N48342 DAMAGE-SUBSTANTIAL	РX-	0	0	0		ANSP TOTAL HOURS, 72 IN TYPE NOT INSTRUMENT RATED.
	TYPE OF A				Ρ			FOPERATION IGHT OTHER	
	FACTOR(S)	N COMMAND - FAILED	TO SEE AND AVOID OTHER	R AIRCF	RAF	т			
	CONTROL			-SMALI	LU	RAI	DAR		DT UNDER RADAR CONTACT -DEGREES - 0

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	ΡΊΙΠΤ ΌΔΤΑ
3-2638	8/5/77 TIME - 09		STARDUSTER BR-2 N9BR DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1		PRIVATE, AGE 47, 721 TUTAL HOURS, 20 IN TYPE NOT INSTRUMENT RATED.
	DEPARTURE OSHKOSH TYPE OF A GROUND-	H,WI	INTENDED DESTINATION THOMASTON.GA		DF OPERATION ING ROLL ING ROLL	
	FACTOR(S AIRPORT	IN COMMAND - SELECT) TS/AIRWAYS/FACILITI	ED UNSUITABLE TERRAIN IES - AIRPORT CONDITIONS IES - AIRPORT CONDITIONS			



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/Home Built



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