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16.Abstract						
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circumstances, and proba	ble cause(s) for each acciden	t. Additional st	atistical			
	by type of accident, phase o					
	ertificate, injuries and caus	al factor(s). Th	15			
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FOREWORD

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

In 1973, U. S. General Aviation Rotorcraft flew 1,157,900 hours and were involved in 277 accidents of which 28 were fatal, resulting in total and fatal accident rates per 100,000 hours of 23.92 and 2.4, respectively. In comparison, the entire General Aviation fleet incurred 4,255 total accidents and 723 fatal accidents while flying 30,048,000 hours giving it total and fatal accident rates per 100,000 hours of 14.2 and 2.40, respectively.

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:

> "(e) 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 reproduced 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 photographs will be reproduced.

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PAGE I

Type of Accident:

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

Phase of Operation:

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

First and Second Type of Accident:

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

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

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

First and Second Phase of Operation:

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

Cause and Related Factors:

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

ABBREVIATION

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-PARA JUMP PRIVATE, FL.INST R. P X-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

MEANING

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-DOMEST IC 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

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INJURIES, ACCIDENTS ROTORCRAFT U. S. GENERAL AVIATION

1973

				INJURIES			
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN		TOTAL
PILOT	21	28	 41	189			279
COPILOT		3		5			8
DUAL STUDENT			1	19			20
CHECK PILOT				2			2
FLIGHT ENGINEER NAVIGATOR							
CABIN ATTENDANT			1				1
EXTRA CREW	2	2	4	10			18
PASSENGERS	17	18	49	108			192
TOTAL	40	51	96	333		ABOARD	520
* OTHER AIRCRAFT				1			1
OTHER GROUND	3			1	No. 1 National State		4
				~	1. mar.		
GRAND TOTAL	43	51	96	335			52 5

INVOLVES 277 TOTAL ACCIDENTS INVOLVES 28 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.

FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT

PILOT	CERTIFICATE	
STUPENT ON COMMERCIAL	PRIVATE COMMERCIAL FLINST	UNKNO REPORTO

RECORDS ACCIDENTS

INSTRUCTIONAL										
DUAL			1	2	16	2			21	21
SOLO			1						1	1
CHECK	1				1				2	2
TRAINING	3		2	1					6	6
NONCOMMERCIAL										
PLEASURE	8	9	12		5		2	2	38	38
PRACTICE			6		1				7	7
BUSINESS		3	8	1	3				15	15
CORPORATE/EXECUTIVE			3		1				4	4
AERIAL SURVEY					1				1	1
COMPANY FLIGHT										
OTHER			1						1	1
COMMERCIAL										
AERIAL APPLICATION			33		10	1			44	44
CROP CONTROL RELATED FLIGHT			16	1	3		1		21	21
FIRE CONTROL			2		2				4	4
FIRE CONTROL RELATED FLIGHT			5		2				7	7
AERIAL MAPPING/PHOTOGRAPHY			5		1				6	6
AERIAL ADVERTISING										
POWER AND PIPELINE PATROL			2		1				3	3
FISH SPOTTING										
AIR TAXI-PASSENGER OPERATIONS			23		6	2			31	30
AIR TAXI-CARGO OPERATIONS			2						2	2
CONSTRUCTION WORK			4	1	1	2			8	8
SCHEDULED PASSENGER SERVICE										
SCHEDULED CARGO SERVICE										
INTRA-STATE CHARTER PASSG.										
INTRA-STATE CHARTER CARGO.										
MILITARY CONTRACT-PASSENGER										
MILITARY CONTRACT-CARGO										
CHARTER CARGO-DOMESTIC			1						1	1
CHARTER PASSG-DOMESTIC			4						4	4
CHARTER-CARGO-INTERNATIONAL			1						1	1
CHARTER-PASSG-INTERNATIONAL			1						1	1
OT HE R			5						5	5
UNKNOWN/NOT REPORTED										

PAGE V

KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING

тезт

FERRY

.

MISCELLANEOUS EXPERIMENTATION

DEMONSTRATION

SEARCH AND RESCUE

	PILO	T CERTIFIC	ATE	<u>.</u>		
STUDENT DRIVE	te onnecial	PRIVATE FL. MAN	ATRIAL	FL. INSTR.	UNKNO PER	1 to
1						
2	3	1	1			
	1		1			

4

1	1	
7	7	
2	2	
10	10	
5	5	

RECORDS ACCIDENTS

AIR SHOW/AIR RACING									
PARACHUTE JUMP									
PARACHUTE JUMP-AIR SHOW									
TOWING GLIDERS									
SEEDING CLOUDS									
HUNT ING		1						1	1
POLICE PATROL		2 4		4				10	10
HIGHWAY TRAFFIC ADVISORY									
ALL OTHER PUBLIC FLYING		4		1	2			7	7
OTHER		1						1	1
UNKNOWN/NOT REPORTED		1						1	1
RECORDS	12 1	8 162	7	64	11	3	2	279	
								217	2 2 2
ACC IDENTS	12 1	8 161	7	64	11	3	2		277

5 1

5

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

AIRCRAFT DAMAGE

	AIRCRAIT DAMAGE								
FIRST TYPE OF ACCIDENT	0 ⁴⁵¹⁹	LOTED SUPSTI	MINO HONE	RECORDS	ACCIDENTS				
GROUND-WATER LOOP-SWERVE	1	1		2	2				
DRAGGED WINGTIP POD OR FLOAT									
WHEELS-UP LANDING				,					
WHEELS-DOWN LANDING IN WATER									
GEAR COLLAPSED									
GEAR RETRACTED									
HARD LANDING	3	24		27	27				
NOSE OVER/DOWN		2		2	2				
ROLL OVER		6		6	6				
OVERSHOOT									
UNDERSHOOT	1			1	1				
COLLISION BETWEEN AIRCRAFT									
BOTH IN FLIGHT	1			1	1				
ONE AIRBORNE									
BOTH ON GROUND		4		4	2				
COLLISION WITH GROUND/WATER									
CONTROLLED	5	15		20	2 0				
UNC ONT ROLL ED	15	21		36	36				
COLLIDED WITH									
WIRES/POLES	8	16		24	24				
TREES	3	5		8	8				
RESIDENCE/S									
BUILD ING/S		1		1	1				
FENCE, FENCEPOSTS									
ELECTRONIC TOWERS									
RUNWAY OR APPROACH LIGHTS									
AIRPORT HAZARD									
ANIMALS									
CROP	1	1		2	2				
FLAGMAN LOADER									
DITCHES									
SNOWBANK									
PARKED AIRCRAFT		1		1	1				
AUTOMOBILE									
DIRT BANK		2		2	2				
OBJECT	2	10		12	12				
BIRD STRIKE		1		1	1				

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in the second

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

AIRCRAFT DAMAGE



FIRST

FIRST TYPE OF ACCIDENT	OFET	SUP	MINO NONE	RECORDS	ACCIDENTS
STALL					
SPIN					
SPIRAL					
MUSH	2	1		3	3
FIRE OR EXPLOSION					
IN FLIGHT	2			2	2
ON GROUND					
AIRFRAME FAILURE					
IN FLIGHT	3	1		4	4
ON GROUND					
ENGINE TEARAWAY					
ENGINE FAILURE OR MALFUNCTION	11	73		84	84
PROPELLER/ROTOR FAILURE					
PROPELLER					
TAIL ROTOR	4	10		14	14
MAIN ROTOR	3	6		9	9
PROP ROTOR ACONT TO PERSON		1	1	2	2
JET INTAKE/EXH ACDNT TO PERS					
PROPELLER/JET/ROTOR BLAST					
TURBULENCE		1		1	1
HAIL DAMAGE TO AIRCRAFT					
. LIGHTNING STRIKE					
EVASIVE MANEUVER					
UNCONTROLLED ALT DEVIATION					
DITCHING					
MISSING ACFT NOT RECOVERED					
MISCELLANEOUS/OTHER	3	4		7	7
UNDETERMINED	3			3	3
OTHER					
RECORDS	71	207	1	279	
ACC IDENTS	71	205	1		2 77

PAGE VIII

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE	4416	Step 1	OUS MIN	, ⁷ 0	<u>.</u>	RECORDS	ACCIDENTS
STATIC							
STARTING ENGINE/S				1		1	1
IDLING ENGINE/S	1					1	1
ENGINE RUNUP							
IDLING ROTORS		1		2		3	2
PARKED-ENGINES NOT OPERATING							
OTHER							
IXAT							
TO TAKEOFF				1		1	1
FROM LANDING							
OTHER				1		1	1
GROUND TAXI TO TAKEOFF							
GROUND TAXI FROM LANDING							
GROUND TAXI, OTHER							
AERIAL TAXI TO TAKEOFF				1		1	1
AERIAL TAXI TO/FROM LANDING			1			1	1
AERIAL TAXI, OTHER				1		1	1
TAKEOFF							
RUN			1			1	1
INITIAL CLIMB	2	4	3	9		18	18
VERTICAL	1	2	6	1'1		20	20
RUNNING				1		1	1
ABORTEO							
ABORTED							
ABORTED				1		1	1
OTHER				2		2	2
INFL IGHT				2		٤.	2
CLIMB TO CRUISE		2	2	2		6	6
NORMAL CRUISE	6	3	10	24		43	43
DESCENDING	1	-				1	1
HOLDING							
HOVERING	1	2	3	16		22	22
POWER-ON DESCENT	-	-	2	5		7	7
AUTOROTATIVE DESCENT			-	5		5	5
ACROBATICS				,		2	-
BUZZING							
UNCONTROLLED, DESCENT	2	3				5	5
	L	2				,	,

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FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE	FAT	Stell	OUS MIN	0 ⁴ 04	RECORDS	ACCIDENTS
EMERGENCY DESCENT	1				1	1
LOW PASS	1	1		5	7	7
OTHER	4	1	5	6	16	16
EN ROUTE TO TREAT CROP	1			7	8	8
EN ROUTE TO RELOADING AREA				1	1	1
SURVEY FIELD/AREA	1			1	2	2
STARTING SWATH RUN			3	3	6	6
SWATH RUN		5	3	12	20	20
FLAREOUT FOR SWATH RUN			1	1	2	2
PULLUP FROM SWATH RUN				4	4	4
PROCEDURE TURN AROUND		2	1	6	9	9
CLEANUP SWATH				1	1	1
MANEUVER TO AVOID OBSTRUCTION				1	1	1
RETURN TO STRIP	. 1				1	1
LANDING						
TRAFFIC PATTERN-CIRCLING			1	1	2	2
FINAL APPROACH	2	2	1	· 1	6	6
INITIAL APPROACH						
FINAL APPROACH						
LEVEL OFF/TOUCHDOWN	1	1		2	4	4
RDLL				1	1	1
ROLL-ON/RUN-ON			1	2	3	3
POWER-ON LANDING	1		4	12	17	17
POWER-OFF AUTOROTATIVE_LDG			3	15	18	18
GO-AROUND		1	2		3	3
MISSED APPROACH						
OTHER		1	1	1	3	3
UNKNOWN/NOT REPORTED	1				1	1
RECORDS	28	31	54	166	2 79	

28 31 54 165

ACCIDENTS

277

PAGE X

ROTORCRAFT ACCIDENTS U.S. GENERAL AVIATION

1973

FATAL ACCIDENTS

NONFATAL ACCIDENTS

ALL ACCIDENTS

INVOLVES 277 TOTAL ACCIDENTS INVOLVES 28 FATAL ACCIDENTS

PAGE XI

	+A1	AL ALLIU	ENIS				AL				
BROAD CAUSE/FACTOR	CAUSE	FACTOR	TOTAL *	CA US E	FACTOR	TOTAL *	CAUSE	FACTOR	TOTAL≠ 		
PILOT	19 67.86	4 14.29	19 67.86	186 74.70	27 10.84	188 75.50	205 74.01	31 11.19	207 74.73		
PERSONNEL	5 17.86	1 3.57	6 21.43	27 10.84	4 1.61	30 12.05	32 11.55	5 1.81	36 13.00		
AIRFRAME	1 3.57	.00	1 3.57	1 • 40	.00	1 •40	2 •72	.00	2 .72		
LANDING GEAR	•00	.00	.00	.00	.00	.00	.00	.00	.00		
POWERPLANT	2 7.14	•00	2 7.14	59 23.69	3 1.20	62 24.90	61 22.02	3 1.08	64 23.10		
SYSTEMS	•00	1 3.57	1 3.57	•00	1 • 40	1 •40	.00	2 •72	.72		
INSTRUMENTS/EQUIPMENT AND ACCESSORIES	• 00	.00	.00	2 •80	1 • 40	3 1.20	2 •72	1 .36	3 1.08		
ROTORCRAFT	6 21•43	1 3.57	6 21.43	23 9.24	6 2.41	28 11.24	29 10.47	7 2.53	34 12.27		
A IRPORTS/A IRWAYS/FACILITIES	• 00.	1 . 3.57	1 3.57	2 •80	4 1.61	6 2.41	2 •72	5 1.81	7 2.53		
WEATHER	•00	1 3.57	1 3.57	9 3.61	31 12.45	40 16.06	9 3.25	32 11.55	41 14.80		
TERRAIN	•00	11 39.29	11 39.29	35 14.06	66 26.51	100 40.16	35 12.64	77 27.80	111 40.07		
MISCELLANEOUS	3 10.71	•00	3 10.71	21 8.43	2 .80	22 8.84	24 8.66	2 .72	25 9.03		
UNDETERMINED	3 10.71	.00	3 10.71	3 1.20	.00	3 1.20	6 2.17	.00	6 2.17		

THE FIGURES OPPOSITE EACH CAUSAL CATEGORY REPRESENT THE NUMBER AND PERCENT OF ACCIDENTS IN WHICH THAT PARTICULAR CAUSAL CATEGORY WAS ASSIGNED

 \pm IF an accident includes both a cause and related factor in the same causal category, the accident is represented once under the total for that category

ROTORCRAFT ACCIDENTS U.S. GENERAL AVIATION

1973

INVOLVES 277 TOTAL ACCIDENTS INVOLVES 28 FATAL ACCIDENTS

	FAT	AL ACCID	ENTS	NONFA	TAL ACCI	IDENTS	AL	L ACCIDE	NTS
DETAILED CAUSE/FACTOR	CAUSE	FACTOR	TOTAL	CA US E	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **									
PILOT IN COMMAND									
ATTEMPTED OPERATION W/KNNWN DEFICIENCIES IN EQUIPMENT ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS DELAYED IN INITIATING GO-AROUND	1		1	2 9 2 1	3	2 12 2 1	2 10 2 1	3	2 13 2 1
DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT FAILED TO SEE AND AVOID OTHER AIRCRAFT	1		1	8	1	9	9 1	1	10
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FAILED TO OBTAIN/MAINTAIN FLYING SPEED	3		3	20 4		20 4	23		1 23 4
MISJUDGED, SPEED, ALTITUDE OR CLEARANCE FAILED TO MAINTAIN ADEQUATE ROTOR RPM	1		1 6	1 39		1 39	2 45		2 45
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES ETC	2		2	4	1 3	1 7	6	1 3	1 9
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS IMPROPER OPERATION OF FLIGHT CONTROLS IMPROPER LEVEL OFF	7		7	5 33 5	2	5 35 5	5 40 5	2	5 42 5
IMPROPER IN-FLIGHT DECISIONS OR PLANNING	1		1	7	2	9	8	2	10
IMPROPER COMPENSATION FOR WIND CONDITIONS INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	1	1	1 1	4 22	1 4	5 26	5 22	1 5	6 27
INADEQUATE SUPERVISION OF FLIGHT				12		12	12		12
LACK OF FAMILIARITY WITH AIRCRAFT MISMANAGEMENT OF FUEL	1		1	7 12	4	11 12	8 12	4	12 12
EXERCISED POOR JUDGMENT	1	2	3	4	2	6	5	4	9
OPERATED CARELESSLY				1	2	1	1	2	1
SELECTED UNSUITABLE TERRAIN SPONTANEOUS-IMPROPER ACTION				7 1	2	9 1	7 1	2	9 1
MISJUDGED DISTANCE, SPEED, AND ALTITUDE					1	1	•	1	1
MISJUDGED DISTANCE AND ALTITUDE	-			5		5	5		5
MISJUDGED SPEED AND ALTITUDE MISJUDGED SPEED	1		1	32 1		32 1	33		33 1
MISJUDGED SPEED AND CLEARANCE				1		ĩ	ī		ĩ
MISJUDGED ALTITUDE AND CLEARANCE MISJUDGED ALTITUDE		1	,	3	,	3	3	2	3
MISJUDGED ALTITUDE MISJUDGED CLEARANCE		1	1	4 15	1	5 15	4 15	2	6 15
MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS				1		1	1		1
PHYSICAL IMPAIRMENT SPATIAL DISORIENTATION	1		1	1 3		1 3	2		2 4
FAILED TO MAINTAIN DIRECTIONAL CONTROL	2		2	5		5	7		7
DIRECT ENTRIES				2		2	2		2
SUBTOTAL	31	4	35	283	27	310	314	31	345
COPILOT SELECTED UNSUITABLE TERRAIN				1		1	1		1
SUBTOTAL				1		1	1		1
DUAL STUDENT FAILED TO MAINTAIN ADEQUATE ROTOR RPM				5	1	6	5	1	6
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS				3	1	3	3	1	3
IMPROPER OPERATION OF FLIGHT CONTROLS				7		7	7		7
LACK OF FAMILIARITY WITH AIRCRAFT MISJUDGED SPEED AND ALTITUDE				1	2	2 1	1	2	2 1
FAILED TO MAINTAIN DIRECTIONAL CONTROL				1		i	1		1
SUBTOTAL				17	3	20	17	3	20
CHECK PILOT									
IMPROPER LEVEL OFF				1		1	1		1

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CHECK PILOT (CONTINUED)	FAT	AL ACCID		NONFA	TAL ACCI		۸L	L ACCIDE	NTS
	CAUSE	FACTOR		C A US E	FAC TOR		C A US E	FAC TOR	TOTAL
MISJUDGED ALTITUDE				1		1	1		1
SUBTOTAL ** PERSONNEL **				, 2		2	2		2
FLIGHT INSTRUCTOR INADEQUATE SUPERVISION OF FLIGHT INADEQUATE TRAINING OF STUDENT MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)				5	1 1	1 1 5	5	1 1	1 1 5
IMPROPERLY SERVICED AIRCRAFT(OWNER-PILOT) INADEGUATE INSPECTION OF AIRCRAFT(MAINTENANCE PERSONNEL) INADEGUATE INSPECTION OF ACFT(OWNER-PILOT PERSONNEL) INADEGUATE MAINTENANCE AND INSPECTION OTHER	1 2		1 2	1 1 12 1	1 1	1 2 13 1	1 1 1 14 1	1	1 2 1 15 1
DPERATIONAL SUPERVISORY PERSONNEL INADEQUATE FLIGHT TRAINING-PROCEDURES WEATHER PERSONNEL TRAFFIC CONTROL PERSONNEL AIRPORT SUPERVISORY PERSONNEL AIRWAYS FACILITIES PERSONNEL		1	1					1	1
PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN MISCELLANEDUS-PERSONNEL				1		1	1		1
PILOT OF OTHER AIRCRAFT GROUND CREWMAN PASSENGER	1		1 1	2 2 1		2 2 1	3 2 2		3 2 2
FASSENGER OTHER THIRD PILOT FLIGHT ENGINEER DISPATCHING	. 1		1	1		1	1		1
SUBTOTAL	5	1	6	27	4	31	32	5	37
** AIRFRAME **									
WINGS NACELLES, PODS, PYLONS FUSELAGE OTHER	1		1	1		1	1		1 1
LANDING GEAR FLIGHT CONTROL SURFACES									
SUBTOTAL ** POWERPLANT **	1		1	1		1	2		2
ENGINE STRUCTURE				_		_			
MASTER AND CONNECTING RODS PISTON, PISTON RINGS VALVE ASSEMBLIES MOUNT AND VIBRATION ISOLATORS	1		1	5 2 1		5 2 1	5 2 1 1		5 2 1
OTHER IGNITION SYSTEM MAGNETDES				5		5	5		5
SPARK PLUG FUEL SYSTEM LINES AND FITTINGS CARBURETOR				1 2 1		1 2 1	1 2 1		1 2 1
PUMPS RAM AIR ASSEMBLY LUBRICATING SYSTEM				5		5 1	5 1		5 1
VALVES COOLING SYSTEM OTHER				1		1	1		1 1
PROPELLER AND ACCESSORIES EXHAUST SYSTEM EXTERNAL SUPERCHARGER				3		3	3		3
ENGINE ACCESSORIES ENGINE CONTROLS-COCKPIT THROTTLE-POWER LEVER ASSEMBLIES				3	1	4	3	1	4

POWERPLANT (CONTINUED)	FA T	AL ACCID	ENTS	NONFA	TAL ACCI	DENTS	AL	ALL ACC IDENTS			
	CAUSE	FACTOR	TOTAL	CAUSE	FAC TOR	TOTAL	C A US E	FACTOR	TOTAL		
MIXTURE CONTROL ASSEMBLIES POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS	1		1	1 22	2	1 2 22	1 2 3	2	1 2 23		
REDUCTION GEAR ASSEMBLY COMPRESSOR ASSEMBLY BLADE, COMPRESSOR ROTOR FAN OTHER COMBUSTION ASSEMBLY TURBINE ASSEMBLY ACCESSORY DRIVE ASSEMBLY LUBRICATING SYSTEM				1 1 1		1 1 1	1 1 1		1 1 1		
FUEL SYSTEM OTHER SAFETY SYSTEM IGNITION SYSTEM TOROUEMETER AIR BLEED EXHAUST SYSTEM THRUST REVERSER PROPELLER SYSTEM CONSTANT SPEED DRIVE POWER LEVER PROPELLER LEVER REVERSE THRUST LEVER ENGINE INDICATING EQUIPMENT ENGINE INSTALLATION				1		1	1		1		
SUBTOTAL	2		2	61	3	64	63	3	66		
** SYSTEMS ** ELECTRICAL SYSTEM HYDRAULIC SYSTEM FLIGHT CONTROL SYSTEMS FLIGHT CONTROL BODST SYSTEM (HYDRAULIC) ANTI-ICING, DE-ICING SYSTEMS AIR CONDITION, HEATING AND PRESSURIZATION AUTO PILOT FIRE WARNING SYSTEM FIRE EXTINGUISHER SYSTEM OXYGEN SYSTEM					1	1		1	1		
OTHER SYSTEMS OTHER		1	1					1	1		
SUBTOTAL ** INSTRUMENTS/EQUIPMENT AND ACCESSORIES ** FLIGHT AND NAVIGATION INSTRUMENTS		1	1		1	1		2	2		
COMMUNICATIONS AND NAVIGATION EQUIPMENT MISCELLANEOUS EQUIPMENT SPRAY, DUSTING EQUIPMENT OTHER				1 1	1	2 1	1 1	1	2 1		
SUBTOTAL				2	1	3	2	1	3		
** ROTORCRAFT ** ROTOR ASSEMBLIES MAIN ROTOR BLADES TAIL ROTOR BLADES MAIN ROTOR HEAD ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES RANSMISSION ROTOR DRIVE SYAFT ENGINE DRIVE SHAFT MAIN ROTOR DRIVE SHAFT FREE WHEEL UNIT MAIN ROTOR GEAR BOX MAIN ROTOR PULLEYS, BELTS TAIL ROTOR DRIVE SHAFT ASSEMBLY	1 2	1	1 1 2	5 2 1 1 1 1 3	1	5 2 1 1 2 3	5 2 1 1 1 1 1 5	1	1 5 2 1 1 1 1 2 5		

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ROTORCRAFT (CONTINUED)	FATAL ACCIDENTS				TAL ACCI			LL ACCIDENTS		
·	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR		
TAIL ROTOR GEAR BOX Clutch Assembly				2 1		2 1	2 1		2 1	
OTHER FLIGHT CONTROL SYSTEMS	1		1	4	1	5	5	1	6	
CYCLIC PITCH CONTROL SYSTEM TAIL ROTOR PITCH CONTROL SYSTEM OTHER	2		2	2 1	2 1	4 1 1	4 1	2 1	6 1 1	
MISCELLANEOUS UNITS AND ASSEMBLIES EMERGENCY FLOTATION GEAR					1	1		1	1	
TAIL BOOMS/PYLONS/CONES OTHER	1	1	1 1				1	1	1 1	
SUBTOTAL	7	2	9	24	6	30	31	8	39	
** AIRPORTS/AIRWAYS/FACILITIES **										
AIRPORT FACILITIES DTHER		1	1	2		2	2	1	3	
AIRPORT CONDITIONS UNMARKED OBSTRUCTIONS					1	1		1	1	
HIDDEN HAZARD OTHER AIRWAYS FACILITIES				1	3	1 3	1	3	1 3	
SUBTOTAL		1	1	3	4	7	3	5	8	
** WEATHER **										
LOW CEILING RAIN					2 1	2 1		2 1	2 1	
FOG ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC					3	3		3	3	
CONDITIONS CONDUCIVE TO CARB/INDUCTION SYSTEM ICING UNFAVORABLE WIND CONDITIONS				5	1 7	1 12	5	1 7	1 12	
SUDDEN WINDSHIFT DOWNDRAFTS, UPDRAFTS				1	2 3	3 3	1	2 3	3 3	
HIGH TEMPERATURE DBSTRUCTIONS TO VISION		1	1	1	2 1	2 2	1	2 2	2 3	
HIGH DENSITY ALTITUDE				3	14	17	3	14	17	
SUBTOTAL		1	1	10	37	47	10	38	48	
** TERRAIN **										
WET, SOFT GROUND HIGH VEGETATION				3 2	5 1	8 3	3 2	5 1	8 3	
HIDDEN OBSTRUCTIONS ROUGH/UNEVEN				13	1 11	1 24	13	1 11	1 24	
ROUGH WATER HIGH OBSTRUCTIONS		10	10	1 11	41	1 52	1 11	51	1 62	
SANDY OTHER		1	1	5	1 7	1 12	5	1 8	1 13	
SUBTOTAL		11	11	35	67	102	35	78	113	
** MISCELLANEOUS **										
'BIRD COLLISION VORTEX TURBULENCE				1		1 1	1 1		1	
STATIC DISCHARGE EVASIVE MANEUVER TO AVOID COLLISION	2		2	- 7	1	17	- 9	1	1 9	
UNGIALIFIED PERSON OPERATED AIRCRAFT FOREIGN OBJECT DAMAGE	٤		L	2	1	1	2	1	1 2	
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS UNDETERMINED	1 3		1 3	8		8	9		2 9 6	
DIRECT ENTRIES	2		c	3		3	3		3	
SUBTOTAL	6		6	25	2	27	31	2	33	

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MISCELLANEOUS (CONTINUED)		AL ACCIE			TAL ACCI			ALL ACCIDENTS		
		FACTOR			FACTOR			FACTOR		
GRAND TOTAL	52	21	73	491	1 55	646	543	176	719	
** MISCELLANEOUS ACTS, CONDITIONS **										
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE DISREGARD OF GOOD OPERATING PRACTICE IMPROPER EMERGENCY PROCEOURES NOT ALLIGNED WITH RUMWAY/INTENDED LANDING AREA				1 1 1	1	1 1 2 1	1 1 1	1	1 1 2 1	
UNWARRANTED LOW FLYING PDORLY PLANNED APPROACH MISCALCULATED FUEL CONSUMPTION	1		1	1 3	1	1 4 3	1 1 3	1	1 1 4 3	
JETTISONED LOAD STOLEN OR UNAUTHORIZED USE OF AIRCRAFT IMPROPERLY SECURED FATIGUE FRACTURE	4		4	3 8	3 1	1 3 8	3 12	1	1 3 12	
HYDRAULIC FAILURE WINDSHIELD, DIRTY, FOGGY, ETC-RESTRICTED VISION SEPARATION IN FLIGHT FIRE IN ENGINE		4	4	1	1 1 3 1	1 2 3 2	1	1 1 7 1	1 2 7 2	
LATERAL IMBALANCE CORRODEO/CORROSION CONGESTED TRAFFIC-PATTERN PILOT FATIGUE	1	1	2	2	2	4 1 2	2 1 1	2 1 2	4 2 1 2	
FUEL EXHAUSTION CARBON MONOXIDE POISONING ICE-CARBURETOR IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG	1		1	12 1 3	3	12 1 6	12 1 1 3	3	12 1 1 6	
INTERFERENCE WITH FLIGHT CONTROLS SUNGLARE LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM				2 4 1	1	2 1 4 1	2 4 1	1	2 1 4 1	
SIMULATED CONDITIONS WATER IN FUEL AIRCRAFT CAME TO REST IN WATER FROZEN, MOISTURE		2	2	5 1 1	11 13	16 1 13 1	5 1 1	11 15	16 1 15 1	
MISSING OVERLOAD FAILURE MATERIAL FAILURE	1 1 1	1	1 2 1	2 21	2	2 23	1 3 22	1 2	1 4 24	
FUEL STARVATION Improper clearance-tolerance Action, Lack of Poor Weld		1	1	9 1 1		9 1 1	9 1 1	1	9 1 1 1	
PREVIOUS DAMAGE LEAK/LEAKAGE DDWNWIND CARBON DEPOSITS		1	1	2 2 1	2 6	4 2 6 1	2 2 1	3 6	5 2 6 1	
OVER TORQUED GROUND RESONANCE BINDING CHAFFED				1 2 2 2		1 2 2 2	1 2 2 2		1 2 2 2	
D ISCONNECTED ELONGATED EXCESSIVE-WEAR/PLAY	1		1	2 1 1	1	2 1 1 1	3 1 1	1	3 1 1 1	
ERRATIC GROUNDED IMPROPERLY INSTALLED JAMMED				1 2 1	1	1 2 1	1 2 1	1	1 2 1	
OBSTRUCTED OVERHEATED PRESSURE TOO LOW SHEARED				1 1 1 2		1 1 1 2	1 1 1 2		1 1 1 2	
STUCK EXCESSIVE TEMPERATURE VIBRATION, EXCESSIVE CONGESTED RAMP/TAXIWAY				1 1 1 2	1	1 1 2 3	1 1 1 2	1	1 1 2 3	
LOAD NOT JETTISONED DIRECT ENTRY CAUSES PILOT-SETTLED WITH PWR INTO TALL CORN.				3	8	11	3	8	11	

PILOT-SETTLED WITH PWR INTO TALL CORN. ROTORCRAFT - MISC EXTERNAL CARGO SLING. POWER SETTLING. PILOT IN COMMAND - ALLOWED CARLE TO STRIKE T/R PILOT-EXCEEDED PERFORMANCE CAPABILITY OF ACFT.

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

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NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20591

BRIEFS OF ACCIDENTS

INVOLVING

ROTORCRAFT

U.S. GENERAL AVIATION

(IN STATE AND DATE ORDER)

1973

FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE _____ _____ 3-2137 7/1/73 MONT GOME RY + A LA BENSEN B8M CR- 0 0 1 NONCOMMERCIAL NO CERTIFICATÉ, AGE 36, PX- 0 0 0 PLEASURE/PERSONAL TRANSP 45 TOTAL HOURS, ALL IN TIME - 1810 N3704 TYPE, NOT INSTRUMENT DAMAGE-SUBSTANTIAL RATED. DEPARTURE POINT INTENDED DESTINATION SNOWDEN, ALA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PLT STATED FUEL PUMP MALFUNCTIONED. PLT HAS NO OFFICIAL RECORD OF CERTIFICATION. CR- 0 0 1 COMMERCIAL 3-0121 1/23/73 ANCHORAGE, ALAS BELL 205A ATR, FLIGHT INSTR., AGE TIME - 1605 N4049G PX- 0 0 8 AIR TAXI-PASSG 35, 3054 TOTAL HOURS, 2600 IN TYPE, INSTRUMENT DAMAGE-SUBSTANTIAL RATED. NAME OF AIRPORT - BELUGA DEPARTURE POINT INTENDED DESTINATION ANCHORAGE, ALAS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKENEE VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT FACTOR(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM SYSTEMS - FLIGHT CONTROL SYSTEMS FLIGHT CONTROL BOOST SYSTEMS, HYDRAULIC MISCELLANEOUS ACTS, CONDITIONS - HYDRAULIC FAILURE

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
	3/19/73 GIRDWOOD,ALAS TIME - 1615		CR- 0 0 1		COMMERCIAL, AGE 26, 3878 TOTAL HOURS, 1817 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT TURNAGAIN PASS,ALAS TYPE OF ACCIDENT COLLIDED WITH WIRES/PO	INTENDED DESTINATION TIN CAN MTN,ALAS DLES		F OPERATION IGHT NORMAL CRUISE	NATED.
	FACTOR(S) TERRAIN - HIGH OBSTRUC	LED TO SEE AND AVOID OBJEC TIONS R LINES. CONT FLT AND LND		IONS	
8-1145	5/3/73 JUNEAU,ALAS TIME - 1420	BELL 206A N7817S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	ATR,FLIGHT INSTR., AGE 27, 2682 TOTAL HOURS, 36 IN TYPE, INSTRUMENT PATED
	DEPARTURE POINT JUNEAU,ALAS TYPE OF ACCIDENT MISCELLANEOUS DITCHING	INTENDED DESTINATION LOCAL	IN FL	F OPERATION IGHT OTHER NG LEVEL OFF/TOUCHD	RATED.
	MISCELLANEOUS - FOREIG FACTOR(S) MISCELLANEOUS ACTS,CON WEATHER - UNFAVORABLE MISCELLANEOUS ACTS,CON WEATHER - UNFAVORABLE MISCELLANEOUS ACTS,CON PILOT IN COMMAND - FAI WEATHER BRIEFING - NO BR WEATHER FORECAST - UNKNO	EMBLIES TAIL ROTOR BLADES N OBJECT DAMAGE DITIONS - SEPARATION IN FU DITIONS - JETTISONED LOAD WIND CONDITIONS DITIONS - AIRCRAFT CAME TO LED TO FOLLOW APPROVED PRO IEFING RECEIVED	.IGHT D REST IN WATER DCEDURES,DIRECT		
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT S 5 OR OVER OBSTRUCTIONS TO VISION A		4000	AT ACCIDENT SITE TATION AT ACCIDENT S TURE-F	ITE
	NONE WIND DIRECTION-DEGREES		45 WIND VE	LOCITY-KNOTS	

LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA FILE DATE F S M/N PURPOSE HILLER ACFT UH-12E CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE UNK/NR, 3-1859 6/26/73 NR.JUNEAU,ALAS N5360J PX- 0 0 2 AIR TAXI-PASSG 2180 TOTAL HOURS, 292 IN TIME - 1535 TYPE, NOT INSTRUMENT DAMAGE-SUBSTANTIAL RATED. INTENDED DESTINATION DEPARTURE POINT TAKU HARBOR,ALAS ARTHUR PEAK, ALAS TYPE OF ACCIDENT PHASE DE OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT POWER-ON DESCENT ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - OTHER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- ENG CUT OUT.PLT TRIED TO LND ON MTN LEDGE. ACFT ROLLED OFF BACKWARDS.PREV FLT ABORTED, ENG OVRHEAT. 3-2698 7/6/73 ANCHORAGE, ALAS HILLER ACFT FH1100 CR- 0 0 1 MISCELLANEOUS COMMERCIAL, FL.INSTR., AGE 28, 2950 TOTAL HOURS, PX- 0 0 0 FERRY TIME - 1105 N5052F DAMAGE-SUBSTANTIAL DT- 0 0 1 500 IN TYPE, NOT INSTRU-MENT RATED. NAME OF AIRPORT - ANCHORAGE INTL DEPARTURE POINT INTENDED DESTINATION ANCHORAGE, ALAS MCGRATH, ALAS TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH ON GROUND STATIC STARTING ENGINE(S) PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- M/R BLADES MESHED. 3-2698 7/6/73 ANCHORAGE + ALAS HILLER ACFT FH1100 CR- 0 0 1 MISCELLANEOUS COMMERCIAL, AGE 30, 2600 TIME - 1105 N755FH PX- 0 0 0 TEST TOTAL HOURS, 250 IN TYPE, DAMAGE-SUBSTANTIAL OT- 0 0 1 NOT INSTRUMENT RATED. NAME OF AIRPORT - ANCHORAGE INTL DEPARTURE POINT INTENDED DESTINATION ANCHORAGE, ALAS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH ON GROUND STATIC IDLING ROTORS PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT REMARKS- M/R BLADES MESHED.

BRIEFS OF ACCIDENTS

7/9/73 TIME - 1 DEPARTUR TALKEE TYPE OF ROLL C PROBABLE PILOT FACTOR(S TERRAI	NR.TALKEETNA,ALAS 300 RE POINT TNA,ALAS ACCIDENT VVER E CAUSE(S) IN COMMAND - SELECTE	AIRCRAFT DATA BELL 206B N58110 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	F CR- 0 PX- 0	S PH	M/N 1 1 1 1 1 1 1 1 1 1 1 1 1	C C A I	PURPOSE MMERCIAL R TAXI-PASSG	PILOT DATA ATR,FLIGHT INSTR., AGE 35, 4166 TOTAL HOURS; 1056 IN TYPE, NOT INSTRU- MENT RATED.
7/9/73 TIME - 1 DEPARTUR TALKEE TYPE OF ROLL C PROBABLE PILOT FACTOR(S TERRAI	NR.TALKEETNA,ALAS 300 RE POINT TNA,ALAS ACCIDENT VER E CAUSE(S) IN COMMAND - SELECTE	BELL 206B N58110 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 PX- 0	р () Р ()	0 1 0 1	CC AI OF C	MMERCIAL R TAXI-PASSG PERATION	ATR,FLIGHT INSTR., AGE 35, 4166 TOTAL HOURS; 1056 IN TYPE, NOT INSTRU-
TALKEE TYPE OF ROLL C PROBABLE PILOT FACTOR(S TERRAI	TNA,ALAS ACCIDENT VER : CAUSE(S) IN COMMAND - SELECTE ;)	LOCAL						
PILOT FACTOR(S TERRAI	IN COMMAND - SELECTE	ED UNSUITABLE TERRAIN					POWER-OFF AUTOROTAT	IVE LANDING
NEPIAKK3-	- ATTEMPTED LDG ON LA	KE EDGE IN 6-8 IN WATE	ER•SKID	SL	IPPE	D OF	F ROCK.PULLED COLLEC	TIVE,AUTO ROTATED.
		HILLER ACFT UH-12E N9743C DAMAGE-SUBSTANTIAL						COMMERCIAL, FL.INSTR., AGE 26, 3070 TOTAL HOURS, 1350 IN TYPE, NOT INSTRU- MENT RATED.
BETTLE TYPE OF HARD L	S,ALAS ACCIDENT ANDING	INTENDED DESTINATION LOCAL			LAND	ING	POWER-ON LANDING	
PILOT PILOT WEATHE FACTOR(S PILOT WEATHER	IN COMMAND - IMPROPE IN COMMAND - FAILED R - UNFAVORABLE WING) IN COMMAND - IMPROPE BRIEFING - UNKNOWN/M	TO MAINTAIN ADEQUATE F CONDITIONS ER IN-FLIGHT DECISIONS NOT REPORTED	ROTOR R.	P • I				
UNKNOW VISIBILI 5 OR C OBSTRUCT NONE WIND DIR 180 TYPE OF	N/NOT REPORTED TY AT ACCIDENT SITE VER TONS TO VISION AT AC RECTION-DEGREES	CCIDENT SITE		PR TE WI TY	5000 ECIP NONE MPER 40 ND V 20 PE 0	ITAT ATUR ELOC F FL	TION AT ACCIDENT SITE RE-F SITY-KNOTS	-
	7/11/73 TIME - 1 DEPARTUF BETTLE TYPE OF HARD L ROLL C PROBABLE PILOT PILOT WEATHER SKY CONUE WEATHER SKY CONUE VISIBILI 5 OR C OBSTRUCT NONE WIND DIF 180 TYPE OF	7/11/73 NR.BETTLES,ALAS TIME - 1400 DEPARTURE POINT BETTLES,ALAS TYPE OF ACCIDENT HARD LANDING ROLL OVER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPE PILOT IN COMMAND - FAILED WEATHER - UNFAVORABLE WINE FACTOR(S) PILOT IN COMMAND - IMPROPE WEATHER BRIEFING - UNKNOWN/M WEATHER FORECAST - UNKNOWN/M SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT AC NONE WIND DIRECTION-DEGREES 180 TYPE OF WEATHER CONDITIONS VFR	7/11/73 NR.BETTLES,ALAS TIME - 1400 DAMAGE-SUBSTANTIAL DEPARTURE POINT BETTLES,ALAS TYPE OF ACCIDENT HARD LANDING ROLL OVER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE F WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 180 TYPE OF WEATHER CONDITIONS VFR	7/11/73 NR.BETTLES,ALAS TIME - 1400 DEPARTURE POINT BETTLES,ALAS TYPE OF ACCIDENT HARD LANDING ROLL OVER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROL PILOT IN COMMAND - FAILED TO MAINTAIN ADEOUATE ROTOR R. WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLAN WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 5 OR OVER WIND DIRECTION-DEGREES 180 TYPE OF WEATHER CONDITIONS VFR	7/11/73 NR.BETTLES,ALAS HILLER ACFT UH-12E CR-0 O TIME - 1400 N9743C PX-0 O DEPARTURE POINT INTENDED DESTINATION BETTLES,ALAS LOCAL TYPE OF ACCIDENT PH PH PH HARD LANDING PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.J WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNIN FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNIN CE WKATHER BRIEFING - UNKNOWN/NOT REPORTED SKY CONDITION CE SKY CONDITION CE OKNOWN/NOT REPORTED OK VISIBILITY AT ACCIDENT SITE PR PR NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TH NONE WIND DIRECTION-DEGREES WIN YF	7/11/73 NR.BETTLES,ALAS HILLER ACFT UH-12E CR-0 0 1 TIME - 1400 N9743C PX-0 0 1 DEPARTURE POINT INTENDED DESTINATION BETTLES,ALAS LOCAL TYPE OF ACCIDENT PHASE LAND HARD LANDING LAND ROLL OVER LAND PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING WEATHER BRIEFING - UNKNOWN/NOT REPORTED SKY CONDITION CEILIN UNKNOWN/NOT REPORTED 60000 VISIBILITY AT ACCIDENT SITE PRECIP S OR OVER MONE 40 WIND DIRECTION-DEGREES WIND V 20 TYPE OF WEATHER CONDITIONS TYPE O 740	7/11/73 NR.BETTLES,ALAS HILLER ACFT UH-12E CR- 0 0 1 CC TIME - 1400 N9743C PX- 0 0 1 AI DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION BETTLES,ALAS LOCAL TYPE OF ACCIDENT PHASE OF CLANDING HARD LANDING LANDING ROLL OVER PHOPPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING WEATHER BRIEFING - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT OBSTRUCTIONS TO VISION AT ACCIDENT SITE PRECIPITAT SOR OVER 40 WIND DIRECTION-DEGREES WIND VELOC 180 20 TYPE OF WEATHER CONDITIONS TYPE OF FL	TIME - 1400 N9743C PX- 0 0 1 AIR TAXI-PASSG DAMAGE-SUBSTANTIAL PASSG DAMAGE-SUBSTANTIAL PASSG DAMAGE-SUBSTANTIAL PASSG DAMAGE-SUBSTANTIAL PASSG DAMAGE-SUBSTANTIAL PASSG BETLES, ALAS LOCAL PHASE OF OPERATION BETLES, ALAS LOCAL PHASE OF OPERATION HARD LANDING POWER-ON LANDING ROLL OVER LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING WEATHER BRIEFING - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT ACCIDENT SITE 5 OR OVER 06000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE SOR OVER 06000 VISIBILITY AT ACCIDENT SITE 16000 VISIBILITY AT ACCIDENT AT ACCIDENT SITE 16000 VISIBILITY AT ACCIDENT AT ACCIDENT SITE 16000 VISIBILITY AT ACCIDENT AT ACCIDENT SITE 160000 VISIBILITY AT ACCIDENT AT ACCIDENT SITE 16000000000000000000000000000000000000

			FS OF ACCIDENTS		
FILE	DATE LOCAT	ION AIRCRAFT DATA	INJURIES F S M/N	FL IGHT PURPOSE	PILOT DATA
3-2982	7/17/73 NR.JUNEAU, TIME - 1000 DEPARTURE POINT JUNEAU,ALAS TYPE OF ACCIDENT PROPELLER/ROTOR F/ ROLL OVER PROBABLE CAUSE(S) ROTORCRAFT - TRANS MISCELLANEOUS ACTS TERRAIN - ROUGH/UN EMERGENCY CIRCUMSTAM FIRE AFTER IMPACT	ALAS HILLER ACFT UH12L N90470 DAMAGE-SUBSTANTIA INTENDED DESTINATION LOCAL AILURE MAIN ROTOR SMISSION ROTOR DRIVE SYSTEM S, CONDITIONS - MATERIAL FAILU	4 CR- 0 0 1 PX- 0 0 2 PHASE TAKE LAND OTHER RE PORT ON LAND	COMMERCIAL AIR TAXI-PASSG OF OPERATION OFF VERTICAL ING LEVEL OFF/TOUCHDOW	COMMERCIAL, AGE 24, 2426 TOTAL HOURS, 840 IN TYPE, NOT INSTRUMENT RATED.
3-1882	7/25/73 NR.KETCHIKA TIME - 1120 DEPARTURE POINT KITKUN BAY,ALAS TYPE OF ACCIDENT HARD LANDING ROLL OVER	N9142F DAMAGE-SUBSTANTIA INTENDED DESTINATION	PX- 0 0 I L PHASE LAND	COMMERCIAL AIR TAXI-PASSG OF OPERATION ING POWER-ON LANDING ING POWER-ON LANDING	COMMERCIAL, AGE 35, 924 TOTAL HOURS, 313 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN COMMAND - FACTOR(S) MISCELLANEOUS ACTS WEATHER - LOW CEIL WEATHER - RAIN WEATHER - FOG MISCELLANEOUS ACTS WEATHER BRIEFING - E WEATHER FORECAST - U	G,CONDITIONS - AIRCRAFT CAME RRIEFED BY FLIGHT SERVICE PER	ROCEDURES,DIREC TY,FOGGY,ETC'R TO REST IN WATE SONNEL, BY PHON OFF AIRPORT	TIVES,ETC. ESTRICTED VISION R	
	FOG TYPE OF WEATHER CONU IFR	ION AT ACCIDENT SITE	500 PRECIP RAIN TEMPER 50 TYPE O NONE	ATURE-F F FLIGHT PLAN	TE

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FILE	DATE	LOCATION	AIRCRAFT DATA	IN	F	SM	ZN.	PURPOSE	PILOT DATA
		KETCHIKAN, ALAS		CR- PX-	0	1	0	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 55, 10287 TOTAL HOURS, 150 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PC KETCHIKAN, TYPE OF ACCI PROPELLER/ HARD LANDI	ALAS IDENT 'ROTOR FAILURE	INTENDED DESTINATION RETURN TAIL ROTOR		-	F HAS IN	RAN E (FL	ROUTE STOP ICIS COVE,ALAS OF OPERATION IGHT NORMAL CRUISE ING LEVEL OFF/TOUCHDOWN	
	TERRAIN - FACTOR(S) TERRAIN -	DUS - FOREIGN C ROUGH/UNEVEN HIGH OBSTRUCTIC RCUMSTANCES - F			I LA	ND			
	REMARKS- HEA	S	SUSPECTED OR KNOWN AIRCH	RAFT C			DÌ	STRESS NOTED EXCEPT GOU	GE TO LEAD EDGE T/R.
3-1849	8/7/73 NR. TIME - 1245	WASILLA, ALAS	BELL 206A N1472W DAMAGE-DESTROYED					MISCELLANEOUS OTHER PUBLIC	ATR,FLIGHT INSTR., AGE 44, 7002 TOTAL HOURS, 98 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PO PALMER;AL TYPE OF ACCI COLLIDED W	AS	INTENDED DESTINATION WASILLA,ALAS		F			DF OPERATION ING FINAL APPROACH	
	FACTOR(S) TERRAIN - FIRE AFTER 1	COMMAND [\] - FAILEC HIGH OBSTRUCTIC MPACT	D TO SEE AND AVOID OBJEC DNS SEALED WIRES. FAA PLT IM						
3-3207	8/7/73 NR. TIME - 1055 DEPARTURE PC	COLD BAY,ALAS	BELL 206A N6238N DAMAGE-SUBSTANTIAL INTENDED DESTINATION	PX-				MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE UNK/NR, 1596 TOTAL HOURS, 766 IN TYPE, INSTRUMENT RATED.
	CANOE BAY TYPE OF ACCI COLLISION	DENT	PAVLOF BAY, ALAS					DF OPERATION DFF VERTICAL	
			PER OPERATION OF FLIGHT FT TKOF.	CONTR	OLS	5			

FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA PURPOSE F S M/N 3-1847 8/8/73 OL IKTOK, ALAS HILLER ACFT FH1100 CR- 0 0 1 COMMERCIAL COMMERCIAL, FL.INSTR., AGE 23, 2001 TOTAL HOURS, TIME - 0001 N5048F PX- 0 0 3 AIR TAXI-PASSG 77 IN TYPE, NOT INSTRUMENT DAMAGE-SUBSTANTIAL RATED NAME OF AIRPORT - OLIKTOK AFS DEPARTURE POINT INTENDED DESTINATION DEADHORSE, ALAS THESIS ISLANDS, ALAS TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT NORMAL CRUISE PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) WEATHER - LOW CEILING WEATHER - FOG MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED 300 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 1 MILE OR LESS NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F 42 FOG TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN IFR UNKNOWN/NOT REPORTED REMARKS- FLEW INTO LAKE IN REDUCED VISIBILITY COND. 3-3981 8/14/73 NR.UMIAT, ALAS HILLER ACFT FH1100 CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 29, 2076 TIME - 1600 N546FH PX- 0 0 2 AIR TAXI-PASSG TOTAL HOURS, 290 IN TYPE, DAMAGE-SUBSTANTIAL INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION UMIAT, ALAS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB HARD LANDING LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- INSUFFICIENT ALT TO AFFECT SAFE RECOVERY.

FILE		LOCATION	AIRCRAFT DATA	INJU F	RIES S M/N	FL IGHT PURPOSE	PILOT DATA
	8/14/73 NA TIME - 0800 DEPARTURE A BETTLES, TYPE OF ACC	R•BETTLES•ALAS D POINT ALAS	ALOUETTE SA318B N7329 DAMAGE-SUBSTANTIAL INTENDED DESTINATION UNKNOWN/NOT REPORTED	CR- 0 PX- 0	0 1 PHASE	COMMERCIAL AIR TAXI-PASSG OF OPERATION OFF VERTICAL	COMMERCIAL, AGE 26, 1500 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
	MISCELLA PERSONNE TERRAIN - FACTOR(S) PERSONNE PILOT IN MISCELLAI EMERGENCY (T - TRANSMISSION NEOUS ACTS,CONDIT - MAINTENANCE,S - ROUGH/UNEVEN - MAINTENANCE,S COMMAND - FAILED NEOUS ACTS,CONDIT SIRCUMSTANCES - F	ROTOR DRIVE SYSTEM TA IONS - LACK OF LUBRICAT ERVICING, INSPECTION IN ERVICING, INSPECTION IN TO FOLLOW APPROVED PRO IONS - VIBRATION, EXCESS ORCED LANDING OFF AIRPO E DUE VIBRATION.2ND LDO	ION-SPEC ADEQUAT CEDURES IVE	CIFIC MAIN INSP DIREC	PART,NOT SYSTEM TENANCE AND INSPECTION ECTION OF AIRCRAFT (MA TIVES,ETC.	INTENANCE PERSONNEL)
3-3599	TIME - 1950	0	SUDAVIATION SA318C N8452 DAMAGE-SUBSTANTIAL INTENDED_DESTINATION	-		MISCELLANEOUS FERRY	AIRLINE TRANSPORT, AGE 28, 2205 TOTAL HOURS, 13 IN TYPE, INSTRUMENT RATED.
	KENAI,AL	45	SS PHILADELPHIA			OF OPERATION LIGHT NORMAL CRUISE	
	PROBABLE C PILOT IN FACTOR(S) TERRAIN	COMMAND - MISJUD	GED ALTITUDE				

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FILE		LOCATION	AIRCRAFT DATA	INJ F	JUR =	IES S M/N	FL IGHT PURPOSE	PILOT DATA
	10/23/73 FAIR TIME - 1425		HILLER ACFT FH1100 N369FH DAMAGE-SUBSTANTIAL	CR-	0	0 3		
	NAME OF AIRPORT DEPARTURE POINT FAIRBANKS, ALA TYPE OF ACCIDEN MISCELLANEOUS ROLL OVER	S			Ρ	IN F	OF OPERATION LIGHT OTHER ING OTHER	
	MISCELLANEOUS PERSONNEL - M	FLIGHT CONTRO ACTS,CONDITI AINTENANCE,SE MSTANCES - PR LA	L SYSTEMS CYCLIC PITC ONS - IMPROPERLY SECUR RVICING, INSPECTION IN ECAUTIONARY LANDING ON TERAL CONTROL PROBLEM SPECTED MECHANICAL DIS	.ED IADEQUA AIRPO	ATE DRT	MAIN		CTION
	FIRE AFTER IMPA REMARKS- TEST F		CAUSED LOSS OF LATERAL	CYCLI	IC .	CONTR	OL	
3-1798	6/23/73 CHAN TIME — 1600	IDLER, ARIZ	HUGHES 269B N9569F DAMAGE-DESTROYED				MISCELLANEOUS FERRY	COMMERCIAL, FL.INSTR., AGE 23, 1315 TOTAL HOURS, 172 IN TYPE, NOT INSTRU-
	DEPARTURE POINT PHOENIX+ARIZ		INTENDED DESTINATION TUCSON•ARIZ					MENT RATED.
	TYPE OF ACCIDEN HARD LANDING	IT			Ρ		OF OPERATION ING POWER-OFF AL	JTOROTATIVE LANDING
	FACTOR(S) MISCELLANEOUS WEATHER - HIG WEATHER BRIEFIN WEATHER FORECAS	AND - FAILED ACTS,CONDITI H DENSITY ALT G - NO BRIEFI T - UNKNOWN/N	NG RECEIVED	IONS				
	SKY CONDITION CLEAR				С		G AT ACCIDENT SIT MITED	ſE
	VISIBILITY AT A 5 OR OVER OBSTRUCTIONS TO		CIDENT SITE			RECIP NONE	ITATION AT ACCIDE	ENT SITE
	NONE WIND DIRECTION- 135					110	ELOCITY-KNOTS	
	TYPE OF WEATHER VFR REMARKS- SIM FO				т		F FLIGHT PLAN	

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR	IES S M/N		FL IGHT PURPOSE		PILOT DATA
3-3537	7/27/73 N TIME - 063	R.YUMA, ARIZ O	BELL 47G-5 N2294W DAMAGE-SUBSTANTIAL	CR- PX-	0	0 1 0 1	C OM A S S	MERCIAL GOC CROP CTL ACTIV	/ITY	COMMERCIAL, AGE 32, 6600 TOTAL HOURS, 3500 IN TYPE, NOT INSTRUMENT
	DEPARTURE YUMA,ARI TYPE OF AC ENGINE F HARD LAN	RATED. PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP LANDING POWER-OFF AUTOROTATIVE LANDING								
	POWERPLA PILOT IN COMPLETE P	NEOUS - FOREIGN M NT - FUEL SYSTEM I COMMAND - MISJUD OWER LOSS - COMPL	ATERIAL AFFECTING NORM RAM AIR ASSEMBLY GED DISTANCE AND ALTITI ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO	UDE MEOUT-1	E	NG INE				
	SPECIAL DA TOTAL HO KIND OF PILOT'S GOGGLES COCKPIS TANK/HOF REMARKS- E		KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED FOLD PIPES & VALVES.							
3-3095	9/28/73 TIME - 170	TUCSON, ARIZ 10	HILLER ACFT UH-12B N7299 DAMAGE-SUBSTANTIAL		0 0	0 2 0 0	INS DUA	TRUCTIONAL AL		COMMERCIAL, FL.INSTR., AGE 25, 2119 TOTAL HOURS, 205 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AI DEPARTURE TUCSON,A TYPE OF AC ENGINE F HARD LAN		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING							
	PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE PISTON,PISTON RINGS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - PRESSURE TOO LOW PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LOST OIL PRESS,HOLE IN NR 1 PISTON. M/R BLADES STRUCK TAIL BOOM DRG									

BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE ------------3-3072 10/16/73 SUNFLOWER, ARIZ HILLER ACFT FH1100 CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 26, 1827 TIME - 1220 PX- 0 0 2 CTR PASSG-D TOTAL HOURS, 10 IN TYPE, N436FH DAMAGE-DESTROYED NOT INSTRUMENT RATED. INTENDED DESTINATION DEPARTURE POINT RETURN SCOTTSDALE, ARIZ TYPE OF ACCIDENT PHASE OF OPERATION GROUND-WATER LOOP-SWERVE LANDING POWER-ON LANDING ROLL OVER LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT TERRAIN - OTHER REMARKS- ROTATED TO R. L SKID CTCD GRND. LDG ON MTN. RAIN GAUGE SURVEY. 3-4102 11/19/73 NR.TUCSON, ARIZ BELL 206B CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 29, 2618 TIME - 1523 N42AL PX- 0 0 0 AIR TAXI-PASSG TOTAL HOURS, 514 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION TUCSON, ARIZ ALBUQUERQUE, N MEX TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - IMPROPER LEVEL OFF PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LND ON MTN PLATEAU, DMGD SKID & LWR FUSELAGE

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FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUF F	RIES S M	/ N	FLIGHT PURPOSE				
3-1947	8/9/73 TIME - 05	BLACK ROCK,ARK 55	BELL 47G N163B DAMAGE-SUBSTANTIAL	CR- PX-		0 1 COMMERCIAL 0 0 AERIAL APPLI	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 46, 6834 TOTAL HOURS, 1134 IN TYPE, NOT INSTRUMENT				
	TYPE OF A	UCK, AKK	INTENDED DESTINATION LOCAL		RATED. PHASE OF OPERATION IN FLIGHT PULLUP FROM SWATH RUN							
	PILOT I FACTOR(S)	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS										
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 5700 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - PASTURE TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED CRASH HELMET - AVAIALABLE-NOT USED TANK/HOPPER-LOCATION - AFT OF PILOT TERRAIN-TYPE - ROLLING ELEVATION-AREA BEING TREATED-FEET - 300 SWATH RUN-HOW FLOWN - CROSSWIND REMARKS- PLT PULLED UP INTO A PWR LINE HE DID NOT SEE. FUNCTION - SPRAYING CROPS											
3-3346	9/18/73 TIME - 174	NR•VIOLA,ARK 40	BELL 47G2 N2870B DAMAGE-SUBSTANTIAL	CR- PX-	0 0	1 0	0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 32, 3073 TOTAL HOURS, 326 IN TYPE, NOT INSTRU- MENT RATED.			
		PV	INTENDED DESTINATION LOCAL						MENT RATED.			
	TYPE OF A PROPELL COLLIDE	CCIDENT ER/ROTOR FAILURE T D WITH TREES	AIL ROTOR		PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND IN FLIGHT OTHER							
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE TERRAIN - ROUGH/UNEVEN											
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1134 KIND OF CROP - PASTURE PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 700 PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN REMARKS- TAIL ROTOR BLADE P/N 47-642-102-43 FAILED					TYPE GLOV CRAS CRAS TERR SWAT	ES H H H B AIN H R	OPERATION - SEEDING CHEMICAL USED - UNKN - NOT USED ELMET - AVAILABLE-USE AR - NOT INSTALLED -TYPE - HILLY UN-HOW FLOWN - UNKNOW	OWN/NOT REPORTED D N/NOT REPORTED			

			BRIEF								
FILE	DATE	LOCATION	AIRCRAFT DATA		F	SΜ	/N		PILOT DATA		
-2776	9/29/73 LITTLE R TIME - 1700		BELL 47G2A1 N73970 DAMAGE-SUBSTANTIAL	С R- Р X -				NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 42, 16000 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE PO LITTLE ROCH TYPE OF ACCI	K,ARK DENT	GRNDS NTENDED DESTINATION LOCAL		P			F OPERATION			
	HARD LANDI	١G		IN FLIGHT HOVERING							
	PILOT IN CO	OMMAND - FAILED T OMMAND - DIVERTED	O MAINTAIN ADEQUATE ATTENTION FROM OPER M COLLECTIVE TO ADJU	ATION	OF	AIR		FT TCH CHANGED.FOLLOWED BY L	OSS OF ROTOR RPM.		
-0169	1/27/73 M/ TIME - 1400	ARYSVILLE,CALIF	BELL 47D1 N10190					COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 43, 8760 TOTAL HOURS, 250 IN TYPE		
	TYPE OF ACCI	T REPORTED DENT	·DAMAGE-DESTROYED NTENDED DESTINATION UNKNOWN/NOT REPORTE	D	Ρ			F OPERATION	NOT INSTRUMENT RATED.		
	COLLIDED W	ITH WIRES/POLES				IN	FL	IGHT SWATH RUN			
	FACTOR(S) PILOT IN CO	DMMAND - FAILED T	O SEE AND AVOID OBJE								
	SPECIAL DATA	HIGH OBSTRUCTIONS									
	TOTAL HOURS	S IN CROP CONTROL DP - FRUIT ORCHAR AT BELT - UNKNOWN			T	YPE	OF	OPERATION - OTHER Chemical used - dry Chem - NOT used	ICAL-TOXIC		
	TANK/HOPPE ELEVATION-	NDT USED ASHPAD - NDT INST R-LOCATION - AFT AREA BEING TREATE WIRES,SPRAYING P	OF PILOT D-FEET - 40		C T	RA S ERR	H B	ELMET - AVAILABLE-USED AR - NOT INSTALLED -TYPE - DENSE WITH TREES UN-HOW FLOWN - UPWIND			
-0655	1/28/73 AI TIME - 1332	DELANTO,CALIF	PHANEUF B8 NONE DAMAGE-DESTROYED					NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 20, 50 TOTA HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.		
	NAME OF AIRPO DEPARTURE PO ADELANTO,C	NTENDED DESTINATION									
	TYPE OF ACCI							F OPERATION IGHT UNCONTROLLED DESCEN	т		
	MISCELLANE	DMMAND - PHYSICAL DUS ACTS,CONDITIC	IMPAIRMENT NS - CARBON MONOXIDE NOXIDE IN BLOOD. CRA								

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FILE	DATE	LOCATION	AIRCRAFT DATA					FL IGHT PURPOSE	PILOT DATA
3-0255	TIME - 121	TORRANCE,CALIF 5 RPORT - TORRANCE M	N9400F DAMAGE-SUBSTANTIAL					NONCOMMERCIAL PLEASURE/PERSONAL TRANSF	COMMERCIAL, AGE 46, 3181 TOTAL HOURS, 26 IN TYPE, INSTRUMENT RATED.
	DEPARTURE TORRANCE TYPE OF ACC HARD LAN	,CALIF CIDENT	NTENDED DESTINATION LOCAL		F			= OPERATION NG ROLL-ON/RUN-ON	
		COMMAND - IMPROPER	OPERATION OF POWERPL D SPEED AND ALTITUDE	ANT I	5 P(WER	PLAI	NT CONTROLS.	
3-0410	2/15/73 TIME - 142	SAL INAS, CAL IF 2	BENSEN B−8M N2546 DAMAGE−SUBSTANTIAL					NONCOMMERCIAL PLEASURE/PERSONAL TRANSF	STUDENT, AGE 24, 33 TOTAL HOURS, 14 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AID DEPARTURE	RPORT - SALINAS	DANAGE BODGTANTIAL			ROUTE STOP			

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FILE	DATE	LOCATION	AIRCRAFT DATA				FL IGHT PURPOSE	PILOT DATA			
-0411	2/18/73 TIME - 134	ADELANTO,CALIF 5	BENSEN B-8M N1571 DAMAGE-SUBSTANTIAL				INSTRUCTIONAL TRAINING	STUDENT, AGE 35, 34 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT – EL MIRAGE DEPARTURE POINT INTENDED DESTINATION ADELANTO,CALIF LOCAL										
	TYPE OF AC ' HARD LAN ROLL OVE	DING	W N W N								
	PILOT IN PILOT IN WEATHER WEATHER BR	COMMAND - ATTEMPT COMMAND - MISJUDG	NG RECEIVED			ILI	TY LEVEL				
	SKY CONDIT CLEAR	ION					AT ACCIDENT SITE				
		AT ACCIDENT SITE		PRECIPITATION AT ACCIDENT SITE							
		NS TO VISION AT AC	CIDENT SITE	RECTION-DEGREES							
		ІТҮ-КНОТЅ			TYDE	0E	WEATHER CONDITIONS				

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			BRIEF									
FILE	DATE	LOCATION	AIRCRAFT DATA	IN.	JUR F	IES S M.	'N	FL IGHT PURPOSE	PILOT DATA			
3-0431	2/18/73 TIME - 1300	18/73 GRIDLEY,CALIF BELL 47G3B1 CR- 0 0 1 COMMERCIAL 16 - 1300 N73288 PX- 0 0 0 AERIAL APPLICATION DAMAGE-SUBSTANTIAL	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 22, 967 TOTAL HOURS, 139 IN TYPE, NOT INSTRUMENT RATED.								
		ALIF	NTENDED DESTINATION LOCAL		Р	HAS	: n	- OPERATION				
	ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES					IN FLIGHT PROCEDURE TURNAROUND LANDING POWER-OFF AUTOROTATIVE LANDING						
	MISCELLAN MISCELLAN TERRAIN - FACTOR(S) MISCELLAN COMPLETE PC	TT - FUEL SYSTEM L HEOUS ACTS,CONDITIC HEOUS ACTS,CONDITIC HIGH OBSTRUCTIONS HEOUS ACTS,CONDITIC DWER LOSS - COMPLET	NS - MATERIAL FAILURE NS - FUEL STARVATION	1EOUT-			١E					
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 649 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 80 PROCEDURE TURNAROUND - THIRD 1/3 OF TURN FIRE AFTER IMPACT REMARKS- LNDD IN PEACH ORCHARD.				T G C T	YPE LOV RAS RAS ERR	OF ES H H H B/ A IN	OPERATION - SPRAYING CHEMICAL USED - LIQU - USED ELMET - AVAILABLE-USE AR - NOT INSTALLED -TYPE - LEVEL,FLAT JN-HOW FLOWN - DOWNWI	ID CHEMICAL-NONTOXIC D			
3-0357	TIME - 1015	5	SCORPION UXCR-1 N3095 DAMAGE-SUBSTANTIAL					NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 50, 1422 TOTAL HOURS, 16 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - NORTON AFB DEPARTURE POINT INTENDED DESTINAT HIGHLAND,CALIF LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED							F OPERATION IGHT OTHER				
	PROBARLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRC REMARKS- DESCENDED OUT OF CTL DURG L TURN.											

			BRIEFS	S OF AC	c I	DEN	S								
			AIRCRAFT DATA						PILOT DATA						
3-0413	3/1/73 LIVE TIME - 0921	OAK,CALIF	HILLER UH-12B N5366V DAMAGE-DESTROYED	CR – PX–	0	1 0	0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 42, 1000 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.						
	BOWLES AIRPO TYPE OF ACCIDEN	DEPARTURE POINT INTENDED DESTINATION BOWLES AIRPORT LOCAL TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						PHASE OF OPERATION IN FLIGHT SWATH RUN							
	PROBABLE CAUSE(PILOT IN COMM	CTS OR	08	STR	л с т	IONS									
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 5000 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - WIND CALM				KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 1300										
3-0436	DEPARTURE POINT STOCKTON,CALI TYPE OF ACCIDEN COLLIDED WITH	- II IF IT I WIRES/POLES	DAMAGE-SUBSTANTIAL NTENDED DESTINATION LOCAL		F	PHASI IN	E O FL	COMMERCIAL AERIAL APPLICATION F OPERATION IGHT SWATH RUN IGHT UNCONTROLLED DES(COMMERCIAL, AGE 26, 2438 TOTAL HOURS, 210 IN TYPE, INSTRUMENT RATED.						
	PROBABLE CAUSE(PILOT IN COMM PILOT IN COMM														
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2439 KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET0004					YPE GLOV RASI ERR/		OPERATION - SPRAYING (CHEMICAL USED - LIQUI - USED ELMET - AVAILABLE-USED -TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSWI	D CHEMICAL-TOXIC						

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FILE	DATE	LOCATION	AIRCRAFT DATA					FL IGHT	
FILC						SN	/ N		PILOT DATA
3-0766	4/23/73 TIME - 151 NAME OF AI DEPARTURE COALINGA TYPE OF AC	COALINGA,CALIF LO IRPORT - COALINGA POINT IN A,CALIF	BENSEN B8M N310 DAMAGE-SUBSTANTIAL TENDED DESTINATION LOCAL	CR-	0 0	0 0		NONCOMMERCIAL PLEASURE/PERSONAL TRANSF DF OPERATION .IGHT OTHER	STUDENT, AGE 35, 45 TOTAL
	PILOT IN FACTOR(S) WEATHER WEATHER BR	CAUSE(S) N COMMAND - ATTEMPTED N COMMAND - FAILED TO - UNFAVORABLE WIND C RIEFING - NO BRIEFING DRECAST - UNKNOWN/NOT	OBTAIN/MAINTAIN FLY ONDITIONS RECEIVED				ILI	ITY LEVEL	
	5 OR OVE OBSTRUCTIO NONE WIND DIREC 10 TYPE OF WE VFR	Y AT ACCIDENT SITE ER DNS TO VISION AT ACCI CTION-DEGREES EATHER CONDITIONS		ORNE	ף ר ע ר	UPREC NC EMF 65 10 10 TYPE NC	IL IM IPI INE PERA VE OF	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT SITE ATURE-F ELOCITY-KNOTS F FLIGHT PLAN HED DURG LOW ALT DOWNWIND	TURN•
3-1109	5/4/73 TIME - 095 NAME OF AI DEPARTURE GOLETA,C TYPE OF AC HARD LAN	IRPORT – SANTA BARBAR POINT IN CALIF CCIDENT	ENSTROM F-28A N9572 DAMAGE-SUBSTANTIAL A ITENDED DESTINATION LOCAL		Ō	0 PHAS	1 5E C	NONCOMMERCIAL BUSINESS DF OPERATION ING POWER-ON LANDING	PRIVATE, AGE 21, 726 TOTAL HOURS, 14 IN TYPE, NOT INSTRUMENT RATED.
	-	CAUSE(S) N COMMAND - FAILED TO 4/R SEVERED TAIL BOOM		-				K GROSS WT.	

			BRIEFS											
FILE	DATE	LOCATION	AIRCRAFT DATA	ΙN	JUR F	S M	17 N	PURPOS E	PILOT DATA					
3-1102	5/10/73 TIME - 0	KING CITY,CALIF 930	BELL 47G-2A N2889B DAMAGE-SUBSTANTIAL	CR P X	0 0	1 0	0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 30, 1812 TOTAL HOURS, 375 IN TYPE, INSTRUMENT RATED.					
	DEPARTUR KING C TYPE OF	AIRPORT - MESA DEL RE' E POINT II ITY,CALIF ACCIDENT ED WITH OBJECT												
		CAUSE(S) IN COMMAND - FAILED T	D SEE AND AVOID OBJEC	TS OR	OB	STR	υст	IONS						
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1812 KIND OF CROP - LETTUCE GLOVES - USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - DOWNWIND REMARKS- HIT TONGUE OF FARM IMPLEMENT.					KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 320								
3-1110		SAN FRNANDO,CALIF 455	DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 36, 2200 TOTAL HOURS, 78 IN TYPE, NOT INSTRUMENT RATED.					
	NAME OF AIRPORT - SAN FERNANDO DEPARTURE POINT INTENDED DESTINATION SAN FRNANDO,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB HARD LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE													
	FACTOR(S TERRAI COMPLETE EMERGENC	IN COMMAND - IMPROPER) N - OTHER POWER LOSS - COMPLETE Y CIRCUMSTANCES - FOR(NR 3 CONROD BOLTS FA:	E ENGINE FAILURE/FLAN CED LANDING ON AIRPOR	1EOUT- RT/SEA	1 E PLA	NGI	BAS							

			BRIEFS								
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	IES S M	5 1/N	FL IGHT PURPOS E	PILOT DATA		
				CR- PX-				NONCOMMERCIAL BUSINESS			
	TYPE OF A		BAKERSFIELD,CALIF					DF OPERATION IGHT LOW PASS			
	FACTOR(S) TERRAIN TERRAIN	IN COMMAND - FAILED TH) N - HIGH OBSTRUCTIONS N - OTHER					-	IONS BLENDED INTO TERRAIN.PR	DLES SET 900FT APART.		
3-1816	6/19/73 TIME - 13	CASTROVILLE,CALIF 345	NED TO	• •	0 0	1 0	0 0	NONCOMMERCIAL Pleasure/personal trai	STUDENT, AGE 24, 30 TOTAL NSP HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.		
	DAMAGE-SUBSTANTIAL INSTRUMENT RATED. NAME OF AIRPORT - ATWOOD STRIP DEPARTURE POINT INTENDED DESTINATION CASTROVILLE,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT										
	PILOT FACTOR(S	IN COMMAND - IMPROPER IN COMMAND - FAILED T	O OBTAIN/MAINTAIN FL	ING S	PEE	D	4 TÈF	2			
3-3275	6/25/73 TIME - 0' DEPARTURI	GLASSEL PRK,CALIF 919 E POINT I WK,CALIF ACCIDENT	BELL 206B N48531 DAMAGE-SUBSTANTIAL NTENDED DESTINATION	PX-	0 0	1 0	0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 47, 11000 TOTAL HOURS, 35 IN TYPE, INSTRUMENT RATED.		
	MISCEL	NK,CALIF ACCIDENT LANEOUS ED WITH WIRES/POLES	SAN CLEMENTE,CALIF		Ρ	I	N FI	DF OPERATION .IGHT NORMAL CRUISE .IGHT AUTOROTATIVE DES	Cent		
	RDTDRCI RDTDRCI MISCELI MISCELI MISCELI TERRAI EMERGENC	CAUSE(S) RAFT - TRANSMISSION R RAFT - TRANSMISSION R LANEOUS ACTS,CONDITIO LANEOUS ACTS,CONDITIO LANEOUS ACTS,CONDITIO N - HIGH OBSTRUCTIONS Y CIRCUMSTANCES - FOR INPUT SHAFT FWD COUP	OTOR DRIVE SYSTEM D NS - LACK OF LUBRICA NS - EXCESSIVE TEMPE NS - OVERLOAD FAILUR CED LANDING OFF AIRP	THER TION-S Rature E Drt on	PEC	IF	IC		OFT AGL.		

FILE	DATE LOCATION	AIRCRAFT DATA	F S M/N	PURPOS E	PILOT DATA
		HILLER ACFT UH-12C	CR- 0 0 1		COMMERCIAL, FL.INSTR.,
	NAME OF AIRPORT - SALINAS DEPARTURE POINT QUAIL CREK,CALIF TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE M COLLISION WITH GROUND/WATE		IN FI	DF OPERATION IGHT STARTING SWATH IGHT UNCONTROLLED D	
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBL MISCELLANEOUS ACTS,CONDIT				
	SPECIAL DATA TOTAL HOURS IN CROP CONTRO KIND OF CROP - LETTUCE PILOT'S SEAT BELT - FASTEN GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INS TANK/HOPPER-LOCATION - BEL ELEVATION-AREA BEING TREAT PROCEDURE TURNAROUND - TH REMARKS- MN ROTOR HUB ASSEME	ED-PROPERLY TALLED LY ED-FEET - 82 RD 1/3 OF TURN	TYPE OF GLOVES CRASH F CRASH F TERRAIN SWATH F	HELMET – AVAILABLE-US SAR – NOT INSTALLED J-TYPE – LEVEL,FLAT SUN-HOW FLOWN – WIND (JID CHEMICAL-TOXIC ED
		BELL 47G3B1	CP- 0 0 1	6	
3-2393	6/29/73 NR.BELDEN,CALIF TIME - 0930	N8465E DAMAGE-SUBSTANTIAL	PX-002	COMMERCIAL CTR PASSG-D	
3-2393	TIME - 0930	N8465E DAMAGE-SUBSTANTIAL INTENDED DESTINATION	PX- 0 0 2 LAST EN MÓSC PHASE C		TOTAL HOURS, 236 IN TYPE
3-2393	TIME - 0930 DEPARTURE POINT BELDEN HELIPRT CALIF TYPE OF ACCIDENT	N8465E DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL ATE PREFLIGHT PREPARAT PERSONNEL PASSENGER ONS - LATERAL IMBALANC	PX- 0 0 2 LAST EN MÓS PHASE (IN FI ION AND/OR PL/ E	CTR PASSG-D IROUTE STOP IUITO CREEK HELIP OF OPERATION IGHT HOVERING	TOTAL HOURS, 236 IN TYPE
	TIME - 0930 DEPARTURE POINT BELDEN HELIPRT CALIF TYPE OF ACCIDENT ROLL OVER PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQU PERSONNEL - MISCELLANEOUS- MISCELLANEOUS ACTS, CONDIT	N8465E DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL ATE PREFLIGHT PREPARAT PERSONNEL PASSENGER ONS - LATERAL IMBALANC ID,OTR PAX LEANED OVR.	PX- 0 0 2 LAST EF MÓSC PHASE (IN FI ION AND/OR PL/ E CR- 0 0 1	CTR PASSG-D IROUTE STOP IUITO CREEK HELIP OF OPERATION IGHT HOVERING	TOTAL HOURS, 236 IN TYPE INSTRUMENT RATED. Commercial, age 23, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT
	TIME - 0930 DEPARTURE POINT BELDEN HELIPRT CALIF TYPE OF ACCIDENT ROLL OVER PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQU PERSONNEL - MISCELLANEOUS- MISCELLANEOUS ACTS,CONDITI REMARKS- ONE PAX STOOD ON SK 7/5/73 NR.SALINAS,CALIF TIME - 0545	N8465E DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL ATE PREFLIGHT PREPARAT PERSONNEL PASSENGER ONS - LATERAL IMBALANC ID,OTR PAX LEANED OVR. BELL 47G-2 N6728D	PX- 0 0 2 LAST EF MOSC PHASE C IN FI ION AND/OR PLA E CR- 0 0 1 PX- 0 0 0	CTR PASSG-D IROUTE STOP DUITO CREEK HELIP OF OPERATION IGHT HOVERING	COMMERCIAL, AGE 23, UNK/NR TOTAL HOURS,

			BRIEFS	OF A	cc	IDE	NTS			
FILE	DATE	LOCATION	AIRCRAFT DATA		IJUF F	R I E S	S M / N	FL IGHT PURPOS E		PILOT DATA
	7/13/73 TIME - 043 DEPARTURE AG LOAD TYPE OF AA COLLISIO PROBABLE (PILOT IN FACTOR(S) TERRAIN SPECIAL DO TOTAL HH KIND OF PILOT'S GOGGLES COCKPIT TANK/HOI ELEVATIO	GONZALEZ, CALIF 30 POINT IN DING AREA CCIDENT DN WITH GROUND/#ATER CAUSE(S) N COMMAND - INADEQUA ANEOUS - EVASIVE MAN N COMMAND - MISJUDGE - HIGH OBSTRUCTIONS ATA DURS IN CROP CONTROL CROP - OTHER SEAT BELT - UNKNOWN - NOT USED CRASHPAD - NOT INST PPER-LOCATION - SIDE ON-AREA BEING TREATE	ION NCE KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC							
3-2721	TIME - 09: DEPARTURE HAPPY C. TYPE OF A COLLIDE PROBABLE PILOT II FACTOR(S) TERRAIN	30 POINT I AMP,CALIF CCIDENT D WITH OBJECT CAUSE(S) N COMMAND - SELECTED N COMMAND - FAILED T - HIGH OBSTRUCTIONS	DAMAGE-SUBSTANTIAL NTENDED DESTINATION LOCAL UNSUITABLE TERRAIN O SEE AND AVOID OBJEC	PX-	0	O PHA L BST	1 SE (AND RUC	ASSOC FIRE DF OPERATION ING POWER-O	CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 23, 1800 TOTAL HOURS, 186 IN TYPE, NOT INSTRU- MENT RATED.

			BRIEFS							
FILE	DATE LC	CATION	AIRCRAFT DATA	IN	JUF F			FL IGHT PURPOS E	PILOT DATA	
3-2720	8/25/73 NR.SAN / TIME - 1030 DEPARTURE POINT COLUMBIA,CALIF TYPE OF ACCIDENT COLLIDED WITH	NDREAS, CALIF	BELL 206B	С R- Р X -	1 1	PHA S	E O		COMMERCIAL, AGE 34, 6400 TOTAL HOURS, 600 IN TYPE, NOT INSTRUMENT RATED.	
	FACTOR(S)	ID — FAILED TO ID — INADEQUAT OBSTRUCTIONS	SEE AND AVOID OBJEC E PREFLIGHT PREPARAT							
3-3481	8/31/73 SANTA TIME - 1152	CLARA,CALIF	BELL 47G-5 N4754R DAMAGE-SUBSTANTIAL					NONCOMMERCIAL BUSINESS	AIRLINE TRANSPORT, AGE 31, 4800 TOTAL HOURS, 253 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE POINT INTENDED DESTINATION OAKLAND,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLIDED WITH BUILDING(S) LANDING POWER-OFF AUTOROTATIVE LANDING									
		NITION SYSTEM CTS,CONDITION OBSTRUCTIONS DSS - COMPLETE TANCES - FORC	S - GROUNDED ENGINE FAILURE/FLAM ED LANDING OFF AIRPO				NE			
3-2951	TIME - 1500 NAME OF AIRPORT - DEPARTURE POINT		N3196 DAMAGE-SUBSTANTIAL H TENDED DESTINATION					NONCOMMERCIAL PLEASURE/PERSONAL TRANS	PRIVATE, AGE 50, 254 P TOTAL HOURS, 197 IN TYPE, NOT INSTRUMENT RATED.	
	SALINAS,CALIF TYPE OF ACCIDENT COLLIDED WITH ROLL OVER	DIRT BANK	LOCAL		F	L۵	NDI	IF OPERATION NG ROLL NG ROLL		
	AIRPORTS/AIRWAY	ID - INADEQUAT S/FACILITIES	E PREFLIGHT PREPARAT - AIRPORT CONDITIONS AND 3FT LONG OBSCUP	5 HID	DEN	N HA	ZAR			

				S OF ACCIDEN										
FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES		FLIGHT	PILOT DATA							
3-2635	9/9/73 TIME - 093	SLOUGHHOUSE,CALIF 35	HUGHES 269 N8759F DAMAGE-DESTROYED	CR- 0 0 PX- 0 0	2 0	I NS TRUC T I ONAL DUAL	COMMERCIAL, FL.INSTR., AGE 45, 2769 TOTAL HOURS, 1983 IN TYPE, NOT INSTRU- MENT RATED.							
		IRPORT - RANCHO MURI												
		POINT I AKS,CALIF												
	TYPE OF ACCIDENT PHASE OF OPERATION													
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING													
	DUAL STU DUAL STU	CAUSE(S) N COMMAND - INADEQUA UDENT - IMPROPER OPE JDENT - IMPROPER OPE ANEOUS ACTS,CONDITIO	RATION OF POWERPLANT RATION OF FLIGHT CON	& POWERPLAN TROLS	тс	ONTROLS								
	DUAL STUDENT - LACK OF FAMILIARITY WITH AIRCRAFT													
		DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- STDNT PLT CLSD THROTTLE,BOTTOMED COLLECTIVE ATMING TO INCRS RPM.RESONANCE POST-IMPACT.												
3-2833	9/14/73 TIME - 093 DEPARTURE	BRENTWOOD,CALIF 30 POINT I DDJCALIF	HILLER ACFT UH-12C N5330V DAMAGE-SUBSTANTIAL NTENDED DESTINATION	CR- 0 0 PX- 0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 1852 TOTAL HOURS, 900 IN TYPE, NOT INSTRUMENT RATED.							
	BRENTWO	DD,CALIF	LOCAL											
	TYPE OF AG ENGINE I COLLISIO	CCIDENT FAILURE OR MALFUNCTI DN WITH GROUND/WATER	DN CONTROLLED	PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING LEVEL OFF/TOUCHDOWN										
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - PILOT FATIGUE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 450 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - LETTUCE TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GLOVES - USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY TERRAIN-TYPE - LEVEL, FLAT ELEVATION-AREA BEING TREATED-FEET - 3 SWATH RUN-HOW FLOWN - WIND CALM													
	SPECIAL D TOTAL H KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATIO REMARKS-	ATA DURS IN CROP CONTROL CROP - LETTUCE SEAT BELT - UNKNOWN - NOT USED CRASHPAD - NOT INST PPER-LOCATION - BELL DN-AREA BEING TREATE ENG FAIL TOO LOW TO	- 450 /NOT REPORTED ALLED Y D-FEET - 3 AFFECT RECOVERY.	K IND TYPE GLOV CRAS CRAS TERR SWAT	OF OF ES H F H B A IN H F	OPERATION - SPRAYING CHEMICAL USED - LIQUI USED HELMET - AVAILABLE-USEC HAR - NOT INSTALLED H-TYPE - LEVEL,FLAT RUN-HOW FLOWN - WIND CA	CROPS 1D CHEMICAL-TOXIC) .LM							

			BRIEF	S OF ACC	IDE	١TS						
FILE	DATE	LOCATION	AIRCRAFT DATA	F	S I	4/N		FL IGHT PURPOSE	PILOT DATA			
3-2719	9/25/73 TIME - 051	PACIFICA,CALIF 5		CR- 1	0	0	Co	MMERCIAL	COMMERCIAL, FL.INSTR., AGE 27, 2680 TOTAL HOURS, 300 IN TYPE, NOT INSTRU- MENT RATED.			
			INTENDED DESTINATION PACIFICA, CALIF									
	TYPE OF AC		PACIFICA, CALIF									
	PROBABLE CAUSE(S) PILOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S)											
	MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES OTHER TERRAIN - HIGH OBSTRUCTIONS											
	REMARKS- S	TRUCK SAFETY NET	SUPPORT BACKING OFF PL	TFRM.PL1	FRM	NOT	r IL	LUM INATED.				
3-3942	10/2/73 TIME - 203	OAKLAND,CALIF 9	HUGHES 269C N962BF						COMMERCIAL, FL.INSTR., AGE 47, 4326 TOTAL HOURS,			
			DAMAGE-DESTROYED						1800 IN TYPE, NOT INSTRU- MENT RATED.			
	DEPARTURE	POINT	INTENDED DESTINATION						HENT KATED.			
	DAKLAND,		LOCAL									
	TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR IN FLIGHT NORMAL CRUISE COLLIDED WITH BUILDING(S) LANDING POWER-OFF AUTOROTATIVE LANDING											
	ROTORCRA MISCELLA	PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR DRIVE SHAFT MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION										
	FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND											
	FIRE AFTER											

_		LOCATION		F	:	SM,	'N	FL IGHT PURPOSE	PILOT DATA					
		FRESNO, CALIF		CR-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR.,					
	FRESNO,(TYPE OF A(PROPELLI	INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION FRESNO,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT PROCEDURE TURNAROUND HARD LANDING LEVEL OFF/TOUCHDOWN												
	ROTORCR/ MISCELL/ FACTOR(S) PILOT II	EL - MAINTENANCE, AFT - ROTOR ASSEM ANEOUS ACTS,CONDI N COMMAND - INADE	SERVICING, INSPECTION IN IBLIES TAIL ROTOR BLADES TIONS - FATIGUE FRACTURE QUATE PREFLIGHT PREPARAT FORCED LANDING OFF AIRPO	ION AN)R								
~	KIND OF PILOT'S GOGGLES	DURS IN CROP CONT CROP - COTTON	ROL – UNKNOWN/NOT REPORT IOWN/NOT REPORTED	ED	T ' GI CI	YPE DV RAS	OF ES ·	DPERATION - DEFOLIATION CHEMICAL USED - LIQUID CI - NOT USED ELMET - AVAILABLE-USED AR - NOT INSTALLED						

			BRIEF	S UF A	JUI	DEN	15					
FILE			AIRCRAFT DATA		_	C 14	(PILOT DATA			
	10/8/73 NR.LAKE H TIME - 1600 DEPARTURE POINT VAN NUYS,CALIF TYPE OF ACCIDENT COLLIDED WITH T	COMMERCIAL, AGE 31, 763 NSP TOTAL HOURS, 34 IN TYPE, INSTRUMENT RATED.										
	PROBABLE CAUSE(S) PILOT IN COMMAND FACTOR(S) WEATHER - DOWNDR TERRAIN - HIGH O WEATHER BRIEFING - WEATHER FORECAST -											
	SKY CONDITION SCATTERED VISIBILITY AT ACCI 5 OR OVER OBSTRUCTIONS TO VI NONE WIND VELOCITY-KNOT 15 TYPE OF FLIGHT PLA NONE REMARKS- APCH TO R	E										
3 - 3043		TRACY MUNICI IN	ITENDED DESTINATION					MISCELLANEOUS EXPERIMENTATION	PRIVATE, AGE 44, 60 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT RATED.			
	TRACY,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS IN FLIGHT OTHER											
	PROBABLE CAUSE(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM FACTOR(S) ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR BLADES ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES TAIL BOOMS/PYLONS/CONES REMARKS- PLT TIME ESTD.VW ENGINE.ROTOR BLADES HIT RUDDER ASSY DURING PORPOISING MANEUVER.											

				S OF AG							
FILE	DATE	LOCATION	AIRCRAFT DATA	IN. F	JUR =	IES S N	IZ N	FL IGHT PURPOS E	PILOT DATA		
3-3042	10/13/73 TIME - 080 DEPARTURE BRENTWOO TYPE OF A0	BRENTWOOD,CALIF DO POINT II DD,CALIF	BELL 47G2 N988B DAMAGE-DESTROYED NTENDED DESTINATION LOCAL	CR- PX-	0 0 P	0 0		COMMERCIAL AERIAL APPLICATION DF OPERATION .IGHT STARTING SWATH F	COMMERCIAL, AGE 33, 2821 TOTAL HOURS, 690 IN TYPE, NOT INSTRUMENT RATED.		
	PILOT IN POWER SE FACTOR(S) TERRAIN	N COMMAND - IMPROPER N COMMAND - MISJUDGE	IN-FLIGHT DECISIONS SPEED AND ALTITUDE NS - DOWNWIND	OR PLA	NN	IINC	i				
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATIC	DURS IN CROP CONTROL CROP - LETTUCE SEAT BELT - UNKNOWN - NOT USED CRASHPAD - NOT INST PER-LOCATION - SIDE DN-AREA BEING TREATED	YNOT REPORTED ALLED S		T G C C T	YPE LOV RAS RAS	ES H F H B	= OPERATION - SPRAYING = CHEMICAL USED - LIQUI - USED HELMET - AVAILABLE-USED BAR - NOT INSTALLED N-TYPE - LEVEL,FLAT RUN-HOW FLOWN - DOWNWIN	D CHEMICAL-TOXIC		
3-3127	TIME - 13:	10	HUGHES 269B N9333F DAMAGE-SUBSTANTIAL	Р X—	0 0	0 0	2 0	INS TRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 47, 9512 TOTAL HOURS, 1510 IN TYPE, NOT INSTRU- MENT RATED.		
	NAME OF AIRPORT - LONG BEACH DEPARTURE POINT INTENDED DESTINATION LONG BEACH,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING DWER-OFF AUTOROTATIVE LANDING										
	PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS REMARKS- PRACTICE AUTOROTATION. T/R & BOOM CTCD GRND FIRST. ALSO DMGD M/R BLADES.										

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BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE 3-3143 10/19/73 EL CENTRO, CALIF HILLER ACFT UH-12E CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 44, TIME - 0640 N5374V PX- 0 0 0 AERIAL APPLICATION 15390 TOTAL HOURS, 375 IN DAMAGE-DESTROYED TYPE, NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION EL CENTRO,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT PROCEDURE TURNAROUND ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 7000 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - OTHER TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY TERRAIN-TYPE - LEVEL, FLAT ELEVATION-AREA BEING TREATED-FEET - - 50 SWATH RUN-HOW FLOWN - WIND CALM PROCEDURE TURNAROUND - THIRD 1/3 OF TURN REMARKS- T/R STRUCK GRND.SUBSTL DMG.DRG INVEST PLT INADVERTENTLY LIT MATCH.ACFT CONSUMED BY FIRE.SPRY BEETS 3-3146 10/25/73 EXETER, CALIF SCORPION 1 CR- 0 0 1 NONCOMMERCIAL STUDENT, AGE 63, 24 TOTAL TIME - 1015 N17123 PX- 0 0 0 PLEASURE/PERSONAL TRANSP HOURS, 18 IN TYPE, NOT DAMAGE-SUBSTANTIAL INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION EXETER,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING FINAL APPROACH COLLIDED WITH TREES LANDING FINAL APPROACH PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE OTHER MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY SECURED MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENG OIL BATH COVER DOOR OPENED IN FLT.COVERED M/R BLADE V BELTS & CAUSED SLIPPAGE.NO SAFETY METHOD

				S OF AC					
FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	URIES S M/N	ļ	FLIGHT PURPOSE		PILOT DATA
3-3675	11/4/73 TIME - 10 DEPARTURE EL MIR TYPE OF A MISCELL	NR.ADELANTO,CALIF 05 POINT AGE DRY LAKE CCIDENT	N4386 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- PX-	O O O O O O O O O O O O O O O O O O O		COMMERCIAL	ST RANSP HO IN	UDENT, AGE 37, 1 TOTAL URS, ALL IN TYPE, NOT STRUMENT RATED.
	PILOT I FACTOR(S) PILOT I PILOT I MISCELL	N COMMAND - IMPROPER N COMMAND - ATTEMPTE N COMMAND - LACK OF N COMMAND - FAILED 1 ANEOUS - UNQUALIFIEE	R OPERATION OF FLIGHT D OPERATION BEYOND E FAMILIARITY WITH AIR TO FOLLOW APPROVED PR D PERSON OPERATED AIR TED INTO VERT TAIL &	XPERIEN CRAFT OCEDURE CRAFT	CE/ABII	TIVES	,ETC.	MANEUVER	OF GYROCOPTER
3-3869	TIME - 16 DEPARTURE BRAWLEY TYPE OF A	45 POINT CALIF CCIDENT FAILURE OR MALFUNCT	HILLER ACFT UH-12E N977OC DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	РХ-	O O O PHASE IN I	OF OP	MERCIAL IAL APPLICATION ERATION SWATH RUN POWER-OFF AUTORO	TO NO	MMERCIAL, AGE 29, 2100 TAL HOURS, 300 IN TYPE, T INSTRUMENT RATED. NDING
	MISCELL TERRAIN FACTOR(S) MISCELL COMPLETE	ANT - ENGINE STRUCTO ANEOUS ACTS,CONDITIO - WET,SOFT GROUND ANEOUS ACTS,CONDITIO POWER LOSS - COMPLET	JRE MASTER AND CONNE DNS - MATERIAL FAILUR DNS - LOAD NOT JETTIS TE ENGINE FAILURE/FLA RCED LANDING OFF AIRP	E ONED MEOUT-1	ENGINI	÷			
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATI PROCEDU	OURS IN CROP CONTROL	ED-PROPERLY FALLED Y ED-FEET0085 RD 1/3 OF TURN		TYPE (GLOVE: CRASH CRASH TERRA	HELME BAR - N-TYP	RATION - SPRAYIN MICAL USED - LIQ T USED T - AVAILABLE-US NOT INSTALLED E - LEVEL,FLAT OW FLOWN - WIND	UID CHEMI ED	CAL-TOXIC

BRIEFS OF ACCIDENTS ______ FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE ------3-3826 11/25/73 CHIND,CALIF CR- 0 0 1 NONCOMMERCIAL PRIVATE, AGE 60, 2725 SCHMIDT II TIME - 0930 N17RS PX- 0 0 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 125 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. NAME OF AIRPORT - CHINO INTENDED DESTINATION DEPARTURE POINT CHINO,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR IN FLIGHT HOVERING COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. REMARKS- MAIN ROTOR ATTACH BOLTS FAILED. 3-3823 11/30/73 LA VERNE, CALIF BELL 47G-5 CR- 0 0 2 INSTRUCTIONAL COMMERCIAL, FL.INSTR., TIME - 1626 N4741R PX- 0 0 0 DUAL AGE 47, 6542 TOTAL HOURS, DAMAGE-SUBSTANTIAL 5384 IN TYPE, NOT INSTRU-MENT RATED. NAME OF AIRPORT - BRACKETT FIELD DEPARTURE POINT INTENDED DESTINATION LA VERNE,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) COPILOT - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER REMARKS- PRACTICE AUTOROTATION.LND IN SOFT AREA.

FILE	DATE	LOCATION	AIRCRAFT DATA			RIES S M		FL IGHT PURPOSE	PILOT DATA
	3/21/73 TIME - 173	LAFAYETTE,COLO 35	HUGHES 269A N8891F DAMAGE-SUBSTANTIAL					INS TRUC TIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 24, 2419 TOTAL HOURS, 261 IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF A	IELD,COLO CCIDENT DN WITH GROUND/WATE	INTENDED DESTINATION LOCAL R UNCONTROLLED		LAND			F OPERATION NG LEVEL OFF/TOUCHDON NG LEVEL OFF/TOUCHDON	۰. ۱
	WEATHER WEATHER BE	N COMMAND [°] - EXERCIS - UNFAVORABLE WIND RIEFING - NO BRIEFI	CONDITIONS						
	SKY CONDI BROKEN		C		ING 00	AT ACCIDENT SITE			
	VISIBILITY 5 OR OVE OBSTRUCTIC NONE			NC	NE ERA	TATION AT ACCIDENT SI TURE-F	TE		
	360	CTION-DEGREES EATHER CONDITIONS		13				LOCITY-KNOTS FLIGHT PLAN	
	VFR REMARKS-	IP HAD STUDENT ATTE	MPT DOWNWIND LOW ALT M	IANEUN	/ER		NE OND	ACFT PERFORMANCE ABI	LITY.GUSTING TO 20K.
3-1153	5/21/73 TIME - 069	BROOMFIELD,COLO 50	HUGHES 269B N9333V DAMAGE-SUBSTANTIAL					INS TRUC T I ONAL DUAL	COMMERCIAL, FL.INSTR., AGE 27, 3275 TOTAL HOURS, 350 IN TYPE, NOT INSTRU-
	DEPARTURE	ELD,COLO CCIDENT NDING	INTENDED DESTINATION LOCAL		F	LA	NDI	F OPERATION NG POWER-OFF AUTOROT/ NG POWER-OFF AUTOROT/	
	PILOT I FACTOR(S) MISCELL	CAUSE(S) JDENT - IMPROPER OP N COMMAND - INADEQU ANEOUS ACTS,CONDITI PRACTICE AUTOROTATI							

------FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE _____ 3-1821 6/9/73 COMMERCIAL, AGE 29, 3620 CARBONDALE, COLO BELL 47G3B1 CR- 0 0 1 COMMERCIAL TIME - 1330 N1357X PX- 0 0 0 CTR CARGO-D TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT DAMAGE-SUBSTANTIAL RATED. DEPARTURE POINT INTENDED DESTINATION CARBONDALE,COLO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION TERRAIN - OTHER FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - JETTISONED LOAD COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- DMGD TAIL BOOM, MN ROTOR BLADES, TAIL ROTOR AND SKID GR.WIND GUSTING 12K.EXT SLING LOAD.LNDD IN MDW. 3-2429 7/5/73 AURORA, COLO BELL 47G-5A CR- 0 0 2 INSTRUCTIONAL ATR, FLIGHT INSTR., AGE TIME - 1430 N2991W PX- 0 0 0 DUAL 26, 4010 TOTAL HOURS, 161 DAMAGE-SUBSTANTIAL IN TYPE, INSTRUMENT RATED. NAME OF AIRPORT - SKY RANCH DEPARTURE POINT INTENDED DESTINATION AURORA,COLO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-ON LANDING PROBABLE CAUSE(S) DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. DUAL STUDENT - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT REMARKS- STUDENT ROLLED OFF THROTTLE DURG HOVER.

BRIEFS OF ACCIDENTS

			BRIEF	S OF ACC	IDEN	τs								
FILE		LOCATION		-	C 14	/ NI		PILOT DATA						
		NR.FT.COLLINS,COLO	HUGHES 269A1	CR- 0 PX- 0	0	1	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 28, 4444 TOTAL HOURS, 1660 IN TYPE, NOT INSTRU- MENT RATED.						
	DEPARTURE FT.COLL TYPE OF A	NAME OF AIRPORT - VALLEY AIRPARK DEPARTURE POINT INTENDED DESTINATION FT.COLLINS,COLO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT MANEUVER TO AVOID OBSTRUCTION												
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G. WEATHER - HIGH DENSITY ALTITUDE PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION MISCELLANEOUS - STATIC DISCHARGE TERRAIN - HIGH DESTRUCTIONS													
	SKY COND CLEAR	ITION TY AT ACCIDENT SITE			CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE									
	5 OR O\		DENT SITE		NONE TEMPERATURE-F 70									
	WIND VELC	DCITY-KNOTS =LIGHT PLAN				OF	WEATHER CONDITIONS							
	KIND OF PILOT GOGGLES COCKPIT TANK/HO ELEVAT PROCEDU	HOURS IN CROP CONTROL = CROP - CORN S SEAT BELT - UNKNOWN/ S - NOT USED F CRASHPAD - NOT INSTA DPPER-LOCATION - SIDES ION-AREA BEING TREATED JRE TURNAROUND - ENTRY	NOT REPORTED LLED -FEET - 4950 TO PROCEDURE TURN		TYPE GLOV CRAS CRAS TERR SWAT	OF ES H F H B AIN H R	OPERATION - SPRAYING CHEMICAL USED - LIQU - USED HELMET - AVAILABLE-USEI AR - NOT INSTALLED I-TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSW	ID CHEMICAL-NONTOXIC D IND						

			BRIE 5	01 7							
FILE			AIRCRAFT DATA					FL IGHT PURPOSE	PILOT DATA		
	9/9/73 FT COLLIN TIME - 1400			CR-				INS TRUCT IONAL DUAL	COMMERCIAL, FL.INSTR., AGE 26, 3097 TOTAL HOURS, 17 IN TYPE, INSTRUMENT RATED.		
	NAME OF AIRPORT - F1 DEPARTURE POINT FT COLLINS,COLO TYPE OF ACCIDENT COLLISION WITH GRC	IN						F OPERATION IGHT HOVERING	NA 160 •		
	PROBABLE CAUSE(S) PILOT IN COMMAND - PILOT IN COMMAND - FACTOR(S) DUAL STUDENT - LAC REMARKS- WIND GUSTIN										
3-3099	9/13/73 PITKIN,CC TIME - 1335 DEPARTURE POINT	IN	N73978 DAMAGE-SUBSTANTIAL					COMMERCIAL AIR TAXI-PASSG			
	PITKIN,COLO ASPEN,COLO PHASE OF OPERATION TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLIDED WITH TREES LANDING POWER-OFF AUTOROTATIVE LANDING										
	PROBABLE CAUSE(S) POWERPLANT - MISCE TERRAIN - HIGH OBS PARTIAL POWER LOSS - EMERGENCY CIRCUMSTAN REMARKS- NO ENG MALF										

FILE	DATE	LOCATION	AIRCRAFT DATA		JURIE F S	M/N	PURPOSE	PILOT DATA			
	11/14/73 TIME - 111 NAME OF AI DEPARTURE BROOMFIE TYPE OF AC	BROOMFIELD,COLO 5 RPORT - JEFFERSON C POINT I LD,COLO	DAMAGE-SUBSTANTIAL	CR-	0 0 0 0	1 1 SE 0		COMMERCIAL, AGE 27, 1238 TOTAL HOURS, 116 IN TYPE NOT INSTRUMENT RATED.			
	ROLL OVER LANDING POWER-ON LANDING										
	PILOT IN PILOT IN FACTOR(S) WEATHER WEATHER BR	COMMAND - FAILED T COMMAND - IMPROPER	G RECEIVED	CONTR	OLS						
	5 OR OVE OBSTRUCTIO NONE TEMPERATUR	AT ACCIDENT SITE R NS TO VISION AT ACC	IDENT SITE	CEILING AT ACCIDENT SITE 10000 PRECIPITATION AT ACCIDENT SITE NONE RELATIVE BEARING OF WIND RIGHT CROSS WIND 068-112 DEGREES WIND DIRECTION-DEGREES							
	52 WIND VELOCITY-KNOTS 15 TYPE OF FLIGHT PLAN NONE REMARKS- PLT ATMPT DOWNWIND TAXI IN WIND GUSTING TO 25K.ABORTED TAXI & TRIED TO TAKEOFF.LOST CONTROL.										
3-0801	4/17/73 TIME - 173	MERIDEN,CONN 0	SCORPION II N8851 DAMAGE-SÜBSTANTIAL				NONCOMMERCIAL PLEASURE/PERSONA	PRIVATE, AGE 29, 245 TRANSP TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.			
	-		KHAM NTENDED DESTINATION								
		OF ACCIDENT PHASE OF OPERATION LISION WITH GROUND/WATER UNCONTROLLED TAKEOFF INITIAL CLIMB									
	DEPARTURE MERIDEN, TYPE OF AC COLLISIO PROBABLE C PILOT IN	POINT I CONN CIDENT N WITH GROUND/WATER AUSE(S) COMMAND - IMPROPER	KHAM NTENDED DESTINATION LOCAL		т .оц s	AKE	DFF INITIAL CLIMB				

BRIEFS OF ACCIDENTS FLIGHT PILOT DATA FILE DATE LOCATION AIRCRAFT DATA INJURIES F S M/N PURPOSE _____ 3-1212 1/22/73 MIAMI BEACH, FLA CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 23, 330 BELL 47G TIME - 1105 N864Z PX- 0 1 1 CTR PASSG-D TOTAL HOURS, 15 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. NAME OF AIRPORT - COLLINS HELIPORT DEPARTURE POINT INTENDED DESTINATION MIAMI BEACH, FLA LOCAL PHASE OF OPERATION TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, ALTITUDE OR CLEARANCE PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT REMARKS- SIGHT-SEEING FLIGHT.PLT NOTED ENG ROTOR RPM, TACH DROP.TURNED S REDUCED PITCH.DSCNT CONT.HIT POLE. BELL 47G-5 CR- 0 0 1 NONCOMMERCIAL CERTIFICATE UNKNOWN, AGE 3-1063 1/27/73 AVON PARK, FLA TIME - UNK/NR N1476W PX- 0 0 0 PLEASURE/PERSONAL TRANSP UNK/NR, UNK/NR TOTAL DAMAGE-DESTROYED HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED. NAME OF AIRPORT - ALCO HELICOPTERS DEPARTURE POINT INTENDED DESTINATION AVON PARK, FLA UNKNOWN/NOT REPORTED PHASE OF OPERATION TYPE OF ACCIDENT UNDETERMINED TAXI OTHER PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - STOLEN OR UNAUTHORIZED USE OF AIRCRAFT REMARKS- ACFT FOUND DEMOLISHED, CIRCUMSTANCES UNK. MOORING BLOCK NOT REMOVED BFR ROTOR ENGAGED. INJ PRESUMED.

			BRIEFS										
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUF	RIES		FL IGHT PURPOSE		PILOT DATA			
3-3520	TIME - 13	100						COMMERCIAL		COMMERCIAL, AGE 24, 1901 TOTAL HOURS, 253 IN TYPE NOT INSTRUMENT RATED.			
	NAME OF A DEPARTURE MASCOTI												
	MASCOTTE,FLA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT EN ROUTE TO TREAT CROP COLLISION WITH GROUND/WATER CONTROLLED LANDING FINAL APPROACH												
	PROBABLE CAUSE(S) MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION POWERPLANT - ENGINE CONTROLS-COCKPIT MIXTURE CONTROL ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE												
	FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND												
	SPECIAL DATA												
								TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING					
	TANK/HUPPER-LUCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - 100 REMARKS- WHEEL EOPD.MIXT CTL CONDUIT LOOSE AT CARB.TELEX							SWATH RUN-HOW FLOWN - CROSSWIND					

			BRIEFS									
FILE		ION	AIRCRAFT DATA	IN	JUR			FL IGHT PURPOSE	PILOT DATA			
	4/11/73 ARCADIA,F TIME - 2045			CR-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 26, 1100 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - AP DEPARTURE POINT ARCADIA↓FLA TYPE OF ACCIDENT ENGINE FAILURE OR HARD LANDING	IN	ITENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING								
	PILOT IN COMMAND - MISCELLANEOUS ACTS PILOT IN COMMAND -	- MISMANAGE ,CONDITION - IMPROPER - MISJUDGED - COMPLETE	IS - FUEL EXHAUSTION OPERATION OF FLIGHT SPEED AND ALTITUDE ENGINE FAILURE/FLAM	CONTR	OLS 1 E	NGIN		NN ING				
	SPECIAL DATA TOTAL HOURS IN CRC KIND OF CROP - FRU PILOT'S SEAT BELT GOGGLES - USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATI ELEVATION-AREA BEI REMARKS- FUEL CKD BY	KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - WIND CALM ILE SPRAYING DRANGE GROVE ENG QUIT AUTOROTATED BTWN TREES.										
3-2069	6/18/73 NEWBERRY, TIME - 1500	FLA	BELL 47G-5 N2214w DAMAGE-SUBSTANTIAL					COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 32, 3384 TOTAL HOURS, 595 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - NE DEPARTURE POINT NEWBERRY,FLA TYPE OF ACCIDENT COLLIDED WITH TRE	IN	TENDED DESTINATION LOCAL		Ρ			- OPERATION IGHT SWATH RUN				
	PROBABLE CAUSE(S) PILOT IN COMMAND - FACTOR(S) TERRAIN - HIGH OBS		CLEARANCE									
	SPECIAL DATA TOTAL HOURS IN CRO KIND OF CROP - OTH PILOT'S SEAT BELT GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATI ELEVATION-AREA BEI REMARKS- M/R BLADES		T G C T	YPE LOVE RASH RASH ERRA	DF HE BA	OPERATION - SPRAYING CF CHEMICAL USED - LIQUID NOT USED LMET - AVAILABLE-USED R - NOT INSTALLED TYPE - LEVEL,FLAT JN-HOW FLOWN - UPWIND						

BRIEFS OF ACCIDENTS

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FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F		/ N	FL IGHT PURPOS E	PILOT DATA
3-2143	TIME - 18	AIRPORT - CRAIG FIELD	SIKORSKY S-55B N6734 DAMAGE-SUBSTANTIAL NTENDED DESTINATION	CR- PX-				NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 30, 5261 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
	JACKSON TYPE OF A	NVILLE,FLA ACCIDENT	LOCAL		PI	HAS	ΕO	F OPERATION	
	ENGINE HARD LA	FAILURE OR MALFUNCT	ON			ΤA	KEO		IVE LANDING
	POWERPL MISCELL MISCELL MISCELL COMPLETE EMERGENCY	LANEOUS ACTS,CONDITIC POWER LOSS - COMPLET Y CIRCUMSTANCES - FOR	DNS - CHAFED JNS - FUEL STARVATION DNS - LOAD NOT JETTISC E ENGINE FAILURE/FLAM CED LANDING ON AIRPOR	EOUT- T/SEA	PLAI	NE	BAS	E/HELIPT. PUNCTURED,CHAFED.NO TI	ME TO RELEASE LOAD.

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BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE CR- 0 0 1 COMMERCIAL BELL 47G2 3-2643 8/4/73 HIGH SPRINGS, FLA COMMERCIAL, FL.INSTR., PX- 0 0 0 AERIAL APPLICATION TIME - 1510 N5180B AGE 28, 4007 TOTAL HOURS, DAMAGE-SUBSTANTIAL 700 IN TYPE, NOT INSTRU-MENT RATED. NAME OF AIRPORT - HIGH SPRINGS INTENDED DESTINATION DEPARTURE POINT ALACHUA, FLA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION STALL MUSH IN FLIGHT FLAREOUT FOR SWATH RUN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) WEATHER - HIGH TEMPERATURE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 91 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 230 7 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 8 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - BEANS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES TERRAIN-TYPE - LEVEL, FLAT ELEVATION-AREA BEING TREATED-FEET - 150 SWATH RUN-HOW FLOWN - UPWIND REMARKS- ATMTD LVL ABV CROP ACFT DID NOT RESPOND TO PWR CORRECTIONS, DSCNDD TO GND.

			BRIEF:	5 OF ACC	IDEN						
			AIRCRAFT DATA					PILOT DATA			
	8/5/73 TIME - 16 DEPARTURE DESTIN, TYPE OF A	DESTIN,FLA 15 POINT FLA CCIDENT FAILURE OR MALFUNCT	BELL 47D-1 N6579D DAMAGE-SUBSTANTIAL INTENDED DESTINAT.ION LOCAL	CR- 0 PX- 0	0 0 PHAS IN	1 2 E OF FLI		COMMERCIAL, AGE 40, 4500 TOTAL HOURS, 2900 IN TYPE, INSTRUMENT RATED.			
	POWERPL MISCELL FACTOR(S) TERRAIN COMPLETE EMERGENCY	ANT - ENGINE STRUCT ANT - ENGINE STRUCT ANEOUS ACTS,CONDITI - SANDY POWER LOSS - COMPLE CIRCUMSTANCES - FO	URE PISTON,PISTON RIJ URE VALVE ASSEMBLIES ONS - ACTION,LACK OF TE ENGINE FAILURE/FLAI RCED LANDING OFF AIRP P OF PISTON,BURNED EX	MEOUT-1 DRT ON L	AND		ЭТ DTMND.MECH THOUGHT	RESULT OF DETONATION.			
3-3160	9/1/73 TIME - 07	JACKSONVILLE,FLA 45	ENSTROM F-28A N29HW DAMAGE-SUBSTANTIAL	1 1 0	0 0	2 0	INS TRUC TIONAL DUAL				
	DEPARTURE JACKSON TYPE OF A	CCIDENT FAILURE OR MALFUNCT	INTENDED DESTINATION LOCAL		IN	FL	- OPERATION IGHT POWER-ON DESCEN IG POWER-OFF AUTOROT				
	PROBABLE CAUSE(S) POWERPLANT - ENGINE CONTROLS-COCKPIT THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION TERRAIN - WET, SOFT GROUND PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LND IN SALT MARSH. THROTTLE CABLE ASSY CAME LOOSE										

ELLE DATE INCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA E S M/N PURPOSE _____ -----CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 24, 2100 3-3903 9/19/73 DUET TE . FLA SIKORSKY S-55 PX- 0 0 0 ASSOC CROP CTL ACTIVITY TIME - 1500 TOTAL HOURS, 520 IN TYPE. N15182 NOT INSTRUMENT RATED. DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION DUETTE, FLA TYPE OF ACCIDENT PHASE OF OPERATION AIRFRAME FAILURE IN FLIGHT IN FLIGHT EN ROUTE TO TREAT CROP COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) AIRFRAME - WINGS NACELLES, PODS, PYLONS MISCELLANEOUS ACTS.CONDITIONS - FATIGUE ERACTURE FACTOR(S)MISCELLANEOUS ACTS.CONDITIONS - LOAD NOT JETTISONED SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 520 KIND DE OPERATION - SPRAVING CROPS KIND OF CROP - FRUIT ORCHARDS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT TERRAIN-TYPE - LEVEL.FLAT SWATH RUN-HOW FLOWN - CROSSWIND ELEVATION-AREA BEING TREATED-FEET - 50 REMARKS- PYLON RING P/N S14-20-3013 FAILED.AD 67-17-6 AND SVC BULLETIN 55B20-1F REQUIRE REPLACEMENT 3500 HR 3-3508 9/20/73 FT LAUDERDALE, FLA ENSTROM F-28A CR- 0 0 1 NONCOMMERCIAL COMMERCIAL, AGE 34, 4000 TIME - 1545 N9564 PX- 0 0 1 PLEASURF/PERSONAL TRANSP TOTAL HOURS. 300 IN TYPE. DAMAGE-SUBSTANTIAL INSTRUMENT RATED. NAME OF AIRPORT - FT LAUDERDALE DEPARTURE POINT INTENDED DESTINATION FT LAUDERDALE.FLA LOCAL PHASE OF OPERATION TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR LANDING POWER-ON LANDING COLLIDED WITH OBJECT LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM TERRAIN - OTHER EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. DIRECTIONAL CONTROL PROBLEM SUSPECTED MECHANICAL DISCREPANCY REMARKS- SEAL 9276 REPLACED TAIL ROTOR ASSEMBLY NO REFERENCE TO ADDING OIL TO GR BOX.HIT PARKED GOLF CART.

			BRIEFS	OF ACC	DENTS									
FILE	DATE	LOCATION	AIRCRAFT DATA	F	S M/	N P	L IGHT URPOS E 	PILOT DATA						
3-3985	TIME - 11	00	BELL 47G-2 N2883B DAMAGE-SUBSTANTIAL	CR- 0	1 (сомм	ERCIAL	COMMERCIAL, AGE 51, 4500						
		IRPORT - ST LUCIE C												
			INTENDED DESTINATION											
	FT PIERCE,FLA LOCAL . TYPE OF ACCIDENT PHASE OF OPERATION													
		COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN												
	PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS													
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATI	OURS IN CROP CONTRO CROP - DTHER SEAT BELT - UNKNOW - NOT USED CRASHPAD - NOT INS PPER-LOCATION - SID ON-AREA BEING TREAT	TALLED		RASH ERRA RASH ERRA	DF CHEM 5 - NOT HELMET BAR - IN-TYPE RUN-HO	ICAL USED - LIQU USED - AVAIALABLE-NO NOT INSTALLED - LEVEL,FLAT W FLOWN - WIND (UID CHEMICAL-NONTOXIC DT USED CALM						

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			BRIEFS	OF ACC							
FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES S M/N	FL IGHT PURPOS E	PILOT DATA				
		ARCADIA, FLA		CR- 0 PX- 0	0 1	COMMERCIAL	COMMERCIAL, AGE 29, 3931 VITY TOTAL HOURS, 2591 IN TYPE, NOT INSTRUMENT RATED.				
1	ARCADIA TYPE OF A	FLA	INTENDED DESTINATION LOCAL	I		DF OPERATION _IGHT EN ROUTE TO TR					
	PROBABLE (PILOT II MISCELL FACTOR(S) TERRAIN WEATHER MISCELL	CAUSE(S) N COMMAND - FAILED	TITUDE TONS - DOWNWIND								
	WEATHER FO SKY CONDI CLEAR VISIBILIT	DRECAST - UNKNOWN/ TION Y AT ACCIDENT SITE	NOT REPORTED		UNL I	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT S	ITE				
	NONE	EK DNS TO VISION AT A CTION-DEGREES	CCIDENT SITE		TEMPERATURE-F 65 WIND VELOCITY-KNOTS 3						
	TYPE OF WI VFR	EATHER CONDITIONS		-	TYPE OF FLIGHT PLAN NONE						
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATIO	DURS IN CROP CONTR CROP - FRUIT ORCH SEAT BELT - UNKNO - USED CRASHPAD - NOT IN PPER-LOCATION - SI DN-AREA BEING TREA	NARDS WN/NOT REPORTED NSTALLED DES		TYPE O GLOVES CRASH CRASH TERRAI SWATH	FOPERATION - SPRAYIN FCHEMICAL USED - LIQ - USED HELMET - AVAILABLE-US SAR - NOT INSTALLED V-TYPE - LEVEL,FLAT SUN-HOW FLOWN - WIND PON BLADES,INCREASIN	UID CHEMICAL-TOXIC ED Calm				
3-0377	TIME - 173		MCCULLOCH J-2 N4345G DAMAGE-SUBSTANTIAL			NONCOMMERCIAL BUSINESS	PRIVATE, AGE 21, 92 TOTA HOURS, 28 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE STATESBI	JRO,GA	INTENDED DESTINATION LOCAL		PHASE OF OPERATION						
	HARD LA										
		N COMMAND - MISJUE	DGED SPEED AND ALTITUDE TAIL BOOM ON TOUCHDOWN.								

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			BRIEFS	5 OF 4	CC I	DE	NTS		
ILE	DATE		AIRCRAFT DATA		F	S I	M/N	PURPOSE	PILOT DATA
	10/3/73 TIME - 14	ATL ANTA, GA 00	DAMAGE-SUBSTANTIAL					INS TRUC TIONAL DUAL	AIRLINE TRANSPORT, AGE 28, 2000 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE ATLANTA TYPE OF A		INTENDED DESTINATION LOCAL					F OPERATION IGHT AUTOROTATIVE DES	SCENT
	HARD LA	NDING				Ľ	ANDI	NG POWER-OFF AUTOROTA	TIVE LANDING
	PILOT I PILOT I	ANEOUS ACTS,CONDIT N COMMAND - IMPROP N COMMAND - MISJUD	IONS - SIMULATED CONDIT ER OPERATION OF POWERPL GED SPEED AND ALTITUDE		. PC	WE	RPLA	NT CONTROLS	
	TERRAIN EMERGENCY	N COMMAND - SELECT I - WET,SOFT GROUND	ED UNSUITABLE TERRAIN DRCED LANDING OFF AIRPC	ORT ON	I LA	ND			
·3834	10/15/73 TIME - UN		HUGHES 269A N8917F DAMAGE-SUBSTANTIAL	CR - PX-	0 0	0 0	1 0	COMMERCIAL ASSOC CROP CTL ACTIV	NO CERTIFICATE, AGE 26, ITY UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE	NIRPORT - CHARLES CI POINT .L,GA	HEEK INTENDED DESTINATION LOCAL						INSTRUMENT RATED.
	TYPE OF A ENGINE HARD LA	FAILURE OR MALFUNC	TION		P	Τ/	AKEC	F OPERATION FF INITIAL CLIMB IGHT AUTOROTATIVE DES	SCENT
	PILOT I PILOT I MISCELL PILOT I COMPLETE	N COMMAND - ATTEMP N COMMAND - INADEQ N COMMAND - MISMAN. ANEOUS ACTS,CONDIT N COMMAND - MISJUD POWER LOSS - COMPL	TED OPERATION BEYOND E) UATE PREFLIGHT PREPARAT AGEMENT OF FUEL IONS - FUEL EXHAUSTION GED SPEED AND ALTITUDE ETE ENGINE FAILURE/FLAM DRCED LANDING OFF AIRPO	TION 4	ND/	OR	PLA		
	KIND OF		OL – UNKNOWN/NOT REPORT Ated.	TED				OPERATION - DUSTING (SEAT BELT - UNKNOWN/1	

		BRIEFS	S OF ACCIDENTS							
FILE	DATE LOCATION		INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA					
	1/1/73 HONOLULU,HAWAII TIME - 0105		CR- 0 2 0	MISCELLANEOUS	COMMERCIAL, AGE 43, 6827 TOTAL HOURS, 1413 IN TYPE, NOT INSTRUMENT RATED.					
	NAME OF AIRPORT - HONOLULU DEPARTURE POINT HONOLULU,HAWAII TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	INTENDED DESTINATION LOCAL	TAKEOF	OPERATION F VERTICAL G POWER-OFF AUTOROTAT	TIVE LANDING					
	PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR PULLEYS,BELTS MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM MISCELLANEOUS ACTS,CONDITIONS - CHAFED PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. REMARKS- BELT DRIVE IDLER PULLEY FAILED,BEARINGS SEIZED. TOO LOW FOR EFFECTIVE AUTOROTATION.									
3-0657	2/7/73 KOLOA,HAWAII TIME - 1015	BELL 47G-5 N7060J DAMAGE-SUBSTANTIAL	PX-000/	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 51, 13500 TOTAL HOURS, 11000 IN TYPE, NOT INSTRUMENT RATED.					
	NAME OF AIRPORT - GROVE FAR TYPE OF ACCIDENT COLLISION WITH GROUND/WAT			OPERATION F INITIAL CLIMB						
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN									
	SPECIAL DATA TOTAL HOURS IN CROP CONTR KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTE GOGGLES - NOT USED COCKPIT CRASHPAD - NOT IN TANK/HOPPER-LOCATION - SI ELEVATION-AREA BEING TREA	NED-PROPERLY STALLED DES	KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - NOT AVAILABLE CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED CT THE HERBICIDE HOSE.							

			BRIEFS				, 	
FILE	DATE	LOCATION	AIRCRAFT DATA	I NJ F	UR I S	ES M/N		PILOT DATA
	3/12/73 TIME - 190	KAMUELA,HAWAII 0	S.N.I.A.S. SA318C N65180 DAMAGE-DESTROYED	CR-	0	1 0) COMMERCIAL	COMMERCIAL, AGE 41, 7500 TY TOTAL HOURS, 60 IN TYPE, NOT INSTRUMENT RATED.
	KEMOLE,		INTENDED DESTINATION WAIMEA, HAWAII					
	TYPE OF AC	CIDENT					OF OPERATION	
	COLLISIO	CENT						
	PILOT IN FACTOR(S) PILOT IN	COMMAND - CONTINU COMMAND - SPATIAL	TO USE OR INCORRECTLY					
		IEFING - NO BRIEFI	NG RECEIVED SUBSTANTIALLY CORRECT				-	
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE				PR	UNKN	NG AT ACCIDENT SITE NOWN/NOT REPORTED TATION AT ACCIDENT SIT	E ' ·
	3/4 MILE OBSTRUCTIO SMOKE TYPE OF FL	NS TO VISION AT AC	CIDENT SITE		ΤY	NONE PE (VFR	E DF WEATHER CONDITIONS	
	NONE		FROM RANGE FIRE,GRND F	OG AND) DL	ISK .	PLT TURNED ON LDG LTS.	
3-0623	3/13/73 TIME - 131	NAALEHU,HAWAII 5	HILLER ACFT UH-12E N90474 DAMAGE-SUBSTANTIAL					COMMERCIAL, AGE 25, 2546 TY TOTAL HOURS, 606 IN TYPE NOT INSTRUMENT RATED.
	NAME OF AI DEPARTURE KAHUKU,		INTENDED DESTINATION					
	TYPE OF AC ENGINE F	CIDENT AILURE OR MALFUNCT				IN F	OF OPERATION FLIGHT EN ROUTE TO TREA DING POWER-OFF AUTOROTA	
	ROLL OVE							
	PROBABLE CA POWERPLA MISCELLA MISCELLA TERRAIN COMPLETE PI	AUSE(S) NT - FUEL SYSTEM NEOUS ACTS,CONDITI NEOUS ACTS,CONDITI - ROUGH/UNEVEN DWER LOSS - COMPLE	ONS - LEAK/LEAKAGE ONS - FUEL STARVATION TE ENGINE FAILURE/FLAM				=	
	PROBABLE CA POWERPLA MISCELLA MISCELLA TERRAIN COMPLETE PI	AUSE(S) NT - FUEL SYSTEM NEOUS ACTS,CONDITI NEOUS ACTS,CONDITI - ROUGH/UNEVEN DWER LOSS - COMPLE	ONS - LEAK/LEAKAGE ONS - FUEL STARVATION				=	

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BRIEFS OF ACCIDENTS _____ AIRCRAFT DATA FILE DATE LOCATION INJURIES FLIGHT PILOT DATA F S M/N PURPOSE _____ ------3-1157 5/27/73 HONOLULU, HAWAII BELL 206A CR- 0 0 1 MISCELLANEOUS COMMERCIAL, AGE 51, TIME - 1515 PX- 0 0 0 FERRY 20000 TOTAL HOURS, 3000 IN N4063G TYPE, NOT INSTRUMENT DAMAGE-SUBSTANTIAL RATED. DEPARTURE POINT INTENDED DESTINATION HONOLULU, HAWAII LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS REMARKS- HIT PWR LINE 3-2730 8/8/73 NR.HILD.HAWAII ALOUETTE II SA318C CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 32, 2754 TIME - 1015 PX- 0 0 1 ASSOC FIRE CTL ACTIVITY TOTAL HOURS, 238 IN TYPE, N41171 DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION WAIAKEA, HAWAII LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING IN FLIGHT AUTOROTATIVE DESCENT PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - MISCALCULATED FUEL CONSUMPTION MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE FACTOR(S) POWERPLANT - POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- FUEL GAGE UNRELBL.LOW FUEL INDCR INOP.

			BRIEFS							
FILE		LOCATION	AIRCRAFT DATA	IN	JUR F	R I S	ES M/N		FLIGHT PURPOSE	PILOT DATA
3-3680	12/5/73 TIME - 1	KAHALUI,HAWAII 130	HUGHES 269A N8732F DAMAGE-SUBSTANTIAL	С R Р X	0 0	(0 1 0 0		COMMERCIAL AERIAL APPLICATION	ATR, FLIGHT INSTR., AGE 34, 3414 TOTAL HOURS, 210 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTUR KAHALU TYPE OF	I,HAWAII ACCIDENT FAILURE OR MALFUNCT	INTENDED DESTINATION LOCAL				IN F	LI	OPERATION GHT STARTING SWATH RU G POWER-OFF AUTOROTA1	JN
	PILOT PILOT MISCEL TERRAI COMPLETE	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION TERRAIN - HIGH VEGETATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
	KIND O PILOT GOGGLE TANK/H ELEVAT	HOURS IN CROP CONTRO F CROP - OTHER S SEAT BELT - FASTEN S - NOT USED DPPER-LOCATION - SID ION-AREA BEING TREAT	ED-PROPERLY ES		ר 0 ד צ	TY GL CR TE SW	PE D OVES ASH RRAI ATH	HE	OPERATION - DEFOLIATIO CHEMICAL USED - LIQUIO NOT USED LMET - AVAILABLE-USED TYPE - LEVEL,FLAT N-HOW FLOWN - UNKNOWN,	D CHEMICAL-NONTOXIC
3-3828	8/1/73 TIME - 1	NR•OROFINO,ID 730	BELL 47G3B N73249 DAMAGE-SUBSTANTIAL		0 0	1	0 1 0 0		MISCELLANEOUS FERRY	COMMERCIAL, AGE 38, 8425 TOTAL HOURS, 3000 IN TYPE, NOT INSTRUMENT RATED.
	ENGINE	E POINT D,ID ACCIDENT FAILURE OR MALFUNCT ION WITH GROUND/WATE			F		TAKE	OF	OPERATION F VERTICAL G POWER-OFF AUTOROTA'	
	PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- FUEL PUMP FAILURE RESULTED IN FUEL STARVATION.PILOT USED EVASIVE ACTION TO MISS PWR LINES.									

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DATE LOCATION AIRCRAFT DATA INJURIES FILE FLIGHT PILOT DATA PURPOSE F S M/N 3-3154 8/26/73 S.GLENNS FERRY, ID HILLER UH-12E CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 36, 3077 TIME - 0745 N7755 PX- 0 0 0 ASSOC CROP CTL ACTIVITY TOTAL HOURS, 2268 IN DAMAGE-SUBSTANTIAL TYPE, NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION S.GLENNS FERRY, ID LOCAL TYPE OF ACCIDENT PHASE OF OPERATION IN FLIGHT EN ROUTE TO RELOADING AREA ENGINE FAILURE OR MALFUNCTION LANDING ROLL GEAR COLLAPSED PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2268 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - POTATOES TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - USED GOGGLES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT ELEVATION-AREA BEING TREATED-FEET - 3000 TANK/HOPPER-LOCATION - AFT OF PILOT SWATH RUN-HOW FLOWN - WIND CALM REMARKS- ENG DRIVEN FUEL PUMP INADQT, AUX PUMP INOP.R SKIDCOLLAPSED CAUSING ROLL-OVER. 3-3244 10/2/73 NEW MEADOWS, ID BELL 47G-3B CR- 0 1 0 COMMERCIAL COMMERCIAL, AGE 27, 3515 TIME - 0830 N73909 PX- 0 0 0 CONSTRUCTION TOTAL HOURS, 70 IN TYPE, DAMAGE-DESTROYED INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION COUNCIL, ID LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - MISJUDGED CLEARANCE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - ALLOWED CABLE TO STRIKE T/R FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT REMARKS- TOWING CABLE W EXT HOOK.

BRIEFS OF ACCIDENTS

			BRIEFS	OF ACCIDENTS		
FILE		LOCATION	AIRCRAFT DATA	E S M/N		PILOT DATA
	10/15/73 N TIME - 120 DEPARTURE MARSING, TYPE OF AC	R•MARSING,ID 0 POINT ID	BELL 47G-3B N73230 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 0 PHASE	COMMERCIAL AERIAL APPLICATION OF OPERATION LIGHT SWATH RUN	COMMERCIAL, AGE 27, 1440 TOTAL HOURS, 100 IN TYPE NOT INSTRUMENT RATED.
	FACTOR(S) PILOT IN	COMMAND - FAILED	TO SEE AND AVOID OBJEC UATE PREFLIGHT PREPARAT NS			
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO	URS IN CROP CONTR CROP - FRUIT ORCH SEAT BELT - FASTE - NOT USED CRASHPAD - NOT IN PER-LOCATION - SI N-AREA BEING TREA	ARDS NED-PROPERLY STALLED	TYPE O GLOVES CRASH CRASH TERRAI SWATH	F OPERATION - SPRAYIN F CHEMICAL USED - DRY - NOT USED HELMET - AVAILABLE-US BAR - NOT INSTALLED N-TYPE - HILLY RUN-HOW FLOWN - WIND ART OF OPERATION.	CHEMICAL-NONTOXIC ED
3-4035	TIME - 105	5	N 8588F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INS TRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 42, 4416 TOTAL HOURS 1776 IN TYPE, NOT INSTRU MENT RATED.
	NAME OF AI DEPARTURE TWIN FAL TYPE OF AC HARD LAN	LS,ID CIDENT	S CITY INTENDED DESTINATION LOCAL		OF OPERATION ING POWER-OFF AUTORO	TATIVE LANDING
	DUAL STU PILOT IN FACTOR(S) MISCELLA	DENT - FAILED TO DENT - IMPROPER O COMMAND - INADEQ NEOUS ACTS≁CONDIT	MAINTAIN ADEQUATE ROTOP PERATION OF FLIGHT CONT UATE SUPERVISION OF FLI IONS - SIMULATED CONDIT FF AUTOROT. INSTR LVL F	TROLS IGHT TIONS	,DID NOT CK RTR RPM.	SURF SFT DRT,GRSS.

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FILE DATE LOCATION AIRCRAFT DATA FLIGHT PILOT DATA INJURIES F S M/N PURPOSE PEORIA,ILL CR- 0 0 1 NONCOMMERCIAL COMMERCIAL, AGE 43, 3600 3-1897 7/13/73 BELL 47G-5A TIME - 1140 N7984J PX- 1 1 1 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT DAMAGE-DESTROYED RATED. NAME OF AIRPORT - MT HAWLEY DEPARTURE POINT INTENDED DESTINATION PEORIA, ILL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING LEVEL OFF/TOUCHDOWN GEAR COLLAPSED LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS REMARKS- LEFT SKID FOLDED 3-2609 8/4/73 EL DRED , ILL BRANTLY B-2B CR- 0 0 1 COMMERCIAL AIRLINE TRANSPORT, AGE PX- 0 0 0 ASSOC CROP CTL ACTIVITY TIME - 1500 26, 6300 TOTAL HOURS, 215 N1122K DAMAGE-SUBSTANTIAL IN TYPE, INSTRUMENT RATED. NAME OF AIRPORT - ELDRED DEPARTURE POINT INTENDED DESTINATION JACKSONVILLE, ILL ELDRED, ILL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT PROCEDURE TURNAROUND ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 0 KIND OF OPERATION - OTHER KIND OF CROP - CORN PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - OTHER TERRAIN-TYPE - LÈVEL,FLAT ELEVATION-AREA BEING TREATED-FEET - 250 SWATH RUN-HOW FLOWN - CROSSWIND PROCEDURE TURNAROUND - SECOND 1/3 OF TURN REMARKS- CORN POLLINATION, PLT EST MAY HAVE FLOWN UP TO 5HRS.APRX 1/2 GAL FUEL DRAINED.UNUSABLE FUEL 1/2GAL.

			BRIEFS	OF AC	CIDE	NTS				
FILE	DATE		AIRCRAFT DATA	F	UR I E S	S M/N	FL IGHT PURPOSE	PILOT DATA		
3-2100	8/6/73 TIME - 1205			C R- P X -	0 0	1 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL.INSTR., AGE 33, 1900 TOTAL HOURS, 1600 IN TYPE, NOT INSTRU- MENT RATED.		
	TYPE OF ACC	WITH CROP	MENI KAIEU.							
	MISCELLAN FACTOR(S) TERRAIN -	AUSE(S) BETTLED WITH PWR I HEDUS ACTS,CONDIT - HIGH OBSTRUCTION EARCH FOR ESCAPED								
3-1292	5/22/73 TIME - 1000		HUGHES 2693 N9609F Damage-SubstantIal	CR - PX-	000	1 1	COMMERCIAL POWER/PIPELINE	ALL IN TYPE, NOT INSTRU-		
	MENT RATED. DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP LOUISVILLE,KY UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-OFF-AUTOROTATIVE LANDING									
	PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) FACTOR(S) POWERPLANT - ENGINE CONTROLS-COCKPIT THROTTLE-POWER LEVER ASSEMBLIES PÀRTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- THROTTL CTL TO FUEL ATTACH BOLT MISSING.INSP 3 OTR 300 ACFT, BOLTS ROTATED BY HAND GOTTER KEYS WORN									

BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA PURPOS E F S M/N 3-1218 5/28/73 GARY, IND HUGHES 269A CR- 0 0 1 MISCELLANEOUS COMMERCIAL, AGE 49, 2930 TIME - 1915 N8790F PX- 0 0 1 POLICE PATROL TOTAL HOURS, 960 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. NAME OF AIRPORT - GARY MUNI DEPARTURE POINT INTENDED DESTINATION GARY, IND LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLIDED WITH WIRES/POLES LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - MISCALCULATED FUEL CONSUMPTION MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- INITIATED PATROL WITH APRX 10GAL FUEL ON BOARD.DRG RTRN ARPT RESPONDED TO POLICE EMERGENCY. 3-1290 6/5/73 BLOOMFIELD, IND BELL 47D-1 CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 23, 2810 TIME - 1015 N2794A PX- 0 0 0 OTHER TOTAL HOURS, 800 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. NAME OF AIRPORT - SHAWNEE FIELD INTENDED DESTINATION DEPARTURE POINT BLOOMFIELD, IND LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING FIRE AFTER IMPACT REMARKS- SKID NOT UNCOUPLED FROM TRAILER. ACFT NOT ENGAGED IN AERIAL APPLICATION.

	DATE	LOCATION	AIRCRAFT DATA		JUR	IES		FL IGHT	PILOT DATA		
					F	S M∕	N	PURPOS E			
-2911		ITTLE YORK, IND		CR - P X-					COMMERCIAL, AGE 25, 936 TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE PO LITTLE YOF										
	TYPE OF ACC					OPERATION GHT PULLUP FROM SWA					
	COLLIDED	VITH WIRES/POLES				IN	1	SHI FUELUF FRUM SWA			
		JSE(S) COMMAND - MISJUDG	ED CLEARANCE								
	FACTOR(S) TERRAIN -	HIGH OBSTRUCTION	S								
	EMERGENCY C		RCED LANDING OFF AIRPO SPECTED OR KNOWN AIRCE								
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 236						DPERATION - DEFOLIAT			
	KIND OF CF	KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY					DF (CHEMICAL USED - LIQU			
	PILOT'S SE GOGGLES -	ED-PROPERLY					NOT USED _MET - AVAILABLE-USEI)			
		RASHPAD - NOT INS ER-LOCATION - SID		CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING							
	ELEVATION- PROCEDURE	-AREA BEING TREAT TURNAROUND - ENT						N-HOW FLOWN - UNKNOW	VNOT REPORTED		
	FIRE AFTER : REMARKS- DEI		H PWR LINE RIGHT OF WA	Y.APR	X 1.	/2 T	AIL	ROTOR BLADE MSG,SIG	NS OF HARD OBJ STRIKE.		
-2109	7/13/73 [TIME - 0543	DANA, IND	BELL 47G-3 N8416E DAMAGE-SUBSTANTIAL					COMMERCIAL AERIAL APPLICATION	25 IN TYPE, INSTRUMENT		
-2109	TIME - 0543 DEPARTURE PO		N8416E DAMAGE-SUBSTANTIAL INTENDED DESTINATION						AGE 31, 4091 TOTAL HOURS,		
-2109	TIME - 0543	DINT	N8416E DAMAGE-SUBSTANTIAL		0	0	. כ		AGE 31, 4091 TOTAL HOURS 25 IN TYPE, INSTRUMENT		
8-2109	TIME - 0543 DEPARTURE PO DANA, IND TYPE OF ACC ENGINE FA	DINT	N8416E DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL		0	0 HASE IN	0F =LI	AERIAL APPLICATION	AGE 31, 4091 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.		
3-2109	TIME - 0543 DEPARTURE PO DANA, IND TYPE OF ACC ENGINE FA COLLIDED O PROBABLE CAU POWERPLANT MISCELLAND PERSONNEL TERRAIN - PARTIAL POWE	DINT IDENT ILURE OR MALFUNCT VITH TREES USE(S) T - IGNITION SYST EOUS ACTS,CONDITI - MAINTENANCE,SE HIGH OBSTRUCTION FR LOSS - PARTIAL	N8416E DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL ION EM SPARK PLUG ONS - CARBON DEPOSITS AVICING,INSPECTION IN	PX-	O PI	O HASE IN LAN MAI	OF =LI DIN	AERIAL APPLICATION OPERATION GHT PROCEDURE TURNAN G POWER-OFF AUTOROTA	AGE 31, 4091 TOTAL HOURS 25 IN TYPE, INSTRUMENT RATED.		

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			BRIEFS	OF ACC	IDE	NIS					
FILE			AIRCRAFT DATA		<u>د</u>	M / M		PILOT DATA			
		VEEDERSBURG, IND		CR- 0 PX- 0			COMMERCIAL AERIAL APPLICATION				
	VEEDERSBU TYPE OF ACC	JRG,IND CIDENT Allure or Malfunct	INTENDED DESTINATION LOCAL ION		PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING						
	MISCELLAN PILOT IN COMPLETE PO	COMMAND - MISMANA NEOUS ACTS,CONDITI COMMAND - MISJUDG DWER LOSS - COMPLE	GEMENT OF FUEL ONS - FUEL EXHAUSTION ED SPEED AND ALTITUDE TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPC								
	KIND OF (PILOT'S S GOGGLES - COCKPIT (TANK/HOPF ELEVATION	A JRS IN CROP CONTRO ROP - BEANS EAT BELT - UNKNOW - NOT USED CRASHPAD - NOT INS PER-LOCATION - AFT N-AREA BEING TREAT JE ALT PLT MADE DN	N/NOT REPORTED TALLED OF PILOT ED-FEET - 630		KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - CROSSWIND						
3 - 0547	TIME - 0800		BELL 47G-2 N12412 DAMAGE-SUBSTANTIAL INTENDED DESTINATION		0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 34, 313 TOTAL HOURS, 95 IN TYPE, NOT INSTRUMENT RATED.			
	HANLONTON TYPE OF ACC COLLIDED		LOCAL				DF OPERATION IGHT SWATH RUN				
	FACTOR(S)		ED ALTITUDE AND CLEARA S	NCE							
	SPECIAL DA TOTAL HOU KIND OF (PILOT'S S CRASH BAA TERRAIN-T REMARKS- SI		T YP COC TAN SWA	E 01 KPI K/H0 TH P	OPERATION - SEEDING C CHEMICAL USED - UNKNO CRASHPAD - NOT INSTAL OPPER-LOCATION - BELLY UN-HOW FLOWN - UNKNOWN, OST.	WN/NOT REPORTED -ED					

BRIEFS OF ACCIDENTS

			BRIEFS	OF A	ссі	DEN	тs						
FILE	DATE		AIRCRAFT DATA		=	S M.	/N	PURPOSE	PILOT DATA				
	5/4/73 TIME - 0	ALTOONA,IOWA 710		CR-	0	0	1	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 29, 12365 TOTAL HOURS, 8 IN TYPE, NOT INSTRUMENT PATED				
	GRINNI TYPE OF A	FAILURE OR MALFUNCTIO	DES MOINES,IOWA		INSTRUMENT RATED. PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING								
	PILOT PILOT MISCELI MISCELI PILOT FACTOR(S	PROBABLE CAUSE(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - MISCALCULATED FUEL CONSUMPTION MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S)											
	TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- THOUGHT HELICOPTER HAD 3HR RANGE.AIRBORNE 2-2 1/2HRS.MFG STATED FUEL RANGE CRUISE APRX 2HR.												
-1691	6/4/73 TIME - 14	CLARINDA,IOWA 400	BELL 47G-3B N65036 DAMAGE-DESTROYED	CR- PX-	0 0 0 AERIAL APPLICATION AGE 26, 1506				COMMERCIAL, FL.INSTR., AGE 26, 1506 TOTAL HOURS, 130 IN TYPE, NOT INSTRU-				
	CLARIN TYPE OF	DA,IOWA ACCIDENT ION WITH GROUND/WATER	TENDED DESTINATION LOCAL UNCONTROLLED		Ρ	IN	FL	DF OPERATION IGHT CLEANUP SWATH NG LEVEL OFF/TOUCHDOWN					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED												
	SPECIAL TOTAL KIND O PILOT	ED	T G	YPE	OF ES	OPERATION - SPRAYING C CHEMICAL USED - LIQUIC - NOT USED HELMET - AVAILABLE-USED AR - NOT INSTALLED							

			BRIEFS	OF ACC					
FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES S N	5 4/N	FL IGHT PURPOSE	PILOT DATA	
3-2052	8/22/73 DE TIME - 1453 DEPARTURE PO DES MOINES TYPE OF ACCIO	ES MOINES,IOWA INT ,IOWA DENT .URE OR MALFUNCT	BELL 206A N7068J DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 PX- 0	1 2 PHA 5 I f	0 2 SE 0 N FL	COMMERCIAL OTHER	COMMERCIAL, AGE 26, 2649 TOTAL HOURS, 668 IN TYPE, NOT INSTRUMENT RATED.	
PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED MISCELLANEOUS ACTS,CONDITIONS - OVER TORQUED PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- SIGHT SEEING. PC FUEL LINE FILTER THREADS STRIPPED,CAME LOOSE. LND IN STREET,HAD TO AVOID TRAFFI									
3-0021	2/2/73 L/ TIME - 1530	AKE CHARLES,LA	BELL 206B N7065J Damage-substantial	CR- 0 PX- 0	0 0	1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 34, 3578 TOTAL HOURS, 1912 IN TYPE, NOT INSTRUMENT RATED.	
	NAME OF AIRPORT - CHENNAULT DEPARTURE POINT INTENDED DESTINATION SILSBEE,LA LAKE CHARLES,LA TYPE OF ACCIDENT PHASE OF OPERATION BIRD STRIKE IN FLIGHT NORMAL CRUISE HARD LANDING LANDING								
	PROBABLE CAUSE(S) MISCELLANEOUS - BIRD COLLISION MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NOR ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIR LATERAL CONTROL PROBLE DIRECTIONAL CONTROL PR REMARKS- BUZZARD JAMMED BETWEEN TRANSMISSION AND					١S			

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FILE	DATE	LOCATION	AIRCRAFT DATA	 IN	JUR	IES		FL	[GHT	PILOT DATA			
					F	5 M	/ N	PUI	RPOSE				
3-0338		PATTERSON, LA.	BELL 206B N2941W DAMAGE-SUBSTANTIAL	CR- PX-	0 0	1 0	0 0	COMME AIR T	RCIAL XXI-CARGO	COMMERCIAL, AGE 33, 4741 TOTAL HOURS, 1170 IN TYPE, NOT INSTRUMENT RATED.			
	PATTERSON TYPE OF ACC	,LA. IDENT ILURE OR MALFUNCI	INTENDED DESTINATION ISL BLK 292 G OF MU ION	ΞX	Ρ	ΤA	< EO	F OPERA					
	PROBABLE CA POWERPLAN MISCELLAN PILOT IN FACTOR(S) TERRAIN - MISCELLAN COMPLETE PO EMERGENCY C	USE(S) T - COMPRESSOR AS EOUS ACTS,CONDITI COMMAND - IMPROPE WET,SOFT GROUND EOUS ACTS,CONDITI WER LOSS - COMPLE	SEMBLY BLADE,COMPRESS ONS - MATERIAL FAILUR R OPERATION OF FLIGHT ONS - IMPROPERLY LOADI TE ENGINE FAILURE/FLAN RCED LANDING OFF AIRP(E CONTR ED AIR 4EOUT-	ROLS RCRA -1 E	FT- NGI	WEI						
3-0425	2/22/73 NR TIME - 0905	•AMELIA,LA	BELL 206B N35AL DAMAGE-DESTROYED	C R- P X -	1 0	0 0	0 0	NONCO BUS INI	MMERCIAL SS	COMMERCIAL, AGE 46, 10500 TOTAL HOURS, 1208 IN TYPE, NOT INSTRUMENT RATED.			
	I TPE UF ACC	OINT N,LA IDENT FAILURE IN FLIGH	INTENDED DESTINATION SO.TIMBALIER BLK 24	6	Ρ			F OPER					
	MISCELLAN ROTORCRAF MISCELLAN FACTOR(S) MISCELLAN MISSING AIR	T - MISCELLANEOUS EOUS ACTS,CONDITJ T - TRANSMISSION EOUS ACTS,CONDITJ EOUS ACTS,CONDITJ CRAFT - LATER REC	UNITS AND ASSEMBLIES ONS - FATIGUE FRACTUR ROTOR DRIVE SYSTEM O ONS - OVERLOAD FAILUR ONS - SEPARATION IN FI OVERED 2/26/73.R PYLON SUPPO	E THER E _ IGHT		AIL	ED,	CAUSED	IN FLT FAILURE	OF M/R SYSTEM.			
3-0837	TIME - 0830		N36AL					COMME AIR T	RCIAL AXI-PASSG	COMMERCIAL, AGE 26, 2975 TOTAL HOURS, 670 IN TYPE, NOT INSTRUMENT RATED.			
	EUGENE I TYPE OF ACC	DAMAGE-DESTROYED EPARTURE POINT INTENDED DESTINATION EUGENE IS,BLK 295 PATTERSON,LA YPE OF ACCIDENT F UNDETERMINED							PHASE OF OPERATION UNKNOWN/NOT REPORTED				
		EOUS - UNDETERMINI IRCUMSTANCES - FO	NED NRCED LANDING OFF AIRP(VERSE/UNFAVORABLE WEA)		N WA	TER							

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BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE 3-0592 3/22/73 NR.CAMERON,LA CR- 0 0 1 COMMERCIAL BELL 47G-4A COMMERCIAL, AGE 29, 1456 TIME - 0735 N1445W PX- 0 0 2 AIR TAXI-PASSG TOTAL HOURS, 461 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION E.CAMERON BLOCK 71 W.CAMERON BLOCK 192 TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED PILOT IN COMMAND - MISJUDGED ALTITUDE PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- FLOAT EQUIPPED. ENG LOST PWR DUE COOLING FAN BEARING FAILURE FOR UNDET REASON. CRASHED IN GULF. 3-0838 3/28/73 POINT LA HACHE,LA HUGHES 369HS CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 27, 2186 TIME - 0827 N9031 F PX- 0 0 3 AIR TAXI-PASSG TOTAL HOURS, 89 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION HARVEY, LA VENICE, LA TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY OTHER MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE TERRAIN - OTHER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- FATIGUE FAILURE OF SPUR ADAPTER GR SHAFT-TO MISS DITCH, PLT HAD TO FLARE EARLY.LOW GRND SPEED LDG.

			BRIEFS	S OF AC	C I	IDENT	s					
FILE	DATE	LOCATION	AIRCRAFT DATA	F	-	RIES S M/	м	FL IGHT PURPOS E	PILOT DATA			
		NR.SHREVEPORT,LA	BELL 47G-5A	CR PX					COMMERCIAL, AGE 46, 20931 TOTAL HOURS, 5798 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF A DEPARTURE SHREVEP TYPE OF A COLLIDE											
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS											
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HC ELEVATI	OURS IN CROP CONTROL CROP - OTHER SEAT BELT - FASTENE - NOT USED CRASHPAD - NOT INST PPER-LOCATION - SIDE ON-AREA BEING TREATE	ALLED		TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - NOT AVAILABLE CRASH BAR - NOT INSTALLED TERRAIN-TYPE - SWAMPY/WATER SWATH RUN-HOW FLOWN - WIND CALM							
3-2735	TIME - 07 NAME OF A DEPARTURE	NR.LEEVILLE,LA '40 NIRPORT - ST BLK J PL : POINT I E,LA						COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 32, 1518 TOTAL HOURS, 165 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF A							OPERATION GHT DESCENDING				
	ROTORCE MISCELL MISCELL	PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - CORRODED/CORROSION MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S)										
		,			-			CED BY CORROSION.CRASH	HED IN 180FT OF WATER			

_____ AIRCRAFT DATA FIF DATE LOCATION INJURTES EL IGHT PILOT DATA F S M/N PURPOSE _____ ____ CR- 0 0 1 COMMERCIAL COMMERCIAL. AGE 46. 3-3197 11/8/73 BELLE CHASSE.LA 8ELL 47G-54 N2994W PX- 0 0 0 ASSOC CROP CTL ACTIVITY 21296 TOTAL HOURS, 6143 IN TIME - 1100 DAMAGE-DESTROYED TYPE. NOT INSTRUMENT RATED. NAME OF AIRPORT - NAS BELLE CHASSE DEPARTURE POINT INTENDED DESTINATION BELLE CHASSE.LA LOCAL PHASE OF OPERATION TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TALL ROTOR TAXI AFRIAL TAXI TO/FROM LANDING COLLISION WITH GROUND/WATER CONTROLLED LANDING LEVEL DEE/TOUCHDOWN PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS.CONDITIONS - EXCESSIVE-WEAR/PLAY EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. DIRECTIONAL CONTROL PROBLEM FIRE AFTER IMPACT REMARKS- EXCESSV WEAR FND ON T/R DRIVE GR AND QUILL ASMBLY INADEQT MESH-345 HRS.360 TURNS.CLOSED THROTTLE. 3-3709 11/13/73 NR. INTRACSTL CTY.LA **BELL 206B** CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 26, 4225 PX- 0 0 2 AIR TAXI-PASSG TIME - 1100 N2929W TOTAL HOURS. 448 IN TYPE. DAMAGE-SUBSTANTIAL S-D INSTRUMENT RATED. NAME DE AIRPORT - E.CAMERON BIK 286 DEPARTURE POINT INTENDED DESTINATION E-CAMERON BLK 286 F.CAMERON BLK 257 TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH OBJECT TAKEOFF VERTICAL ROLL OVER TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS FACTOR(S) WEATHER - UNEAVORABLE WIND CONDITIONS AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 NR NVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F HAZE 75 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 135 17 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- HIT STEEL BEAM.BLOCK LOCATED GULF OF MEX, 100MI SW OF INTRACOASTAL CITY, LA.

BRIEFS OF ACCIDENTS

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FILE		LOCATION	AIRCRAFT DATA	F	RIES S M/N	PURPOSE	PIL OT DATA				
	11/20/73 N TIME - 064 DEPARTURE E.CAMER	R.INTRCSTL CTY,LA 5 POINT ON BLK 2548				COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 27, 2063 TOTAL HOURS, 45 IN TYPE, NOT INSTRUMENT RATED.				
	TYPE OF AC ENGINE F DITCHING	AILURE OR MALFUNCT	ION		IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTORO	TATIVE LANDING				
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS FACTOR(S)										
	MISCELLA COMPLETE P EMERGENCY	NEOUS ACTS,CONDITI OWER LOSS - COMPLE CIRCUMSTANCES - FO	UNITS AND ASSEMBLIES ONS - AIRCRAFT CAME TO TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPO OF R EMERG FLOAT,ROLLE) REST I 1EOUT-1 1RT ON W	N WATER ENGINE ATER						
-1724	7/13/73 TIME - 161		BELL 47G N950B DAMAGE-SUBSTANTIAL			COMMERCIAL CONSTRUCTION	Commercial, age 27, 2330 Total Hours, 655 in type Not instrument rated.				
	DEPARTURE WELD,ME TYPE OF AC		INTENDED DESTINATION FARMINGTON, ME			F OPERATION					
	PROBABLE C PILOT IN FACTOR(S) WEATHER	AUSE(S) COMMAND - IMPROPE - SUDDEN WINDSHIFT		ID CONDI		FF INITIAL CLIMB					
	SKY CONDIT		TS			AT ACCIDENT SITE					
	SCATTERE VISIBILITY 5 OR OVE	AT ACCIDENT SITE			UNLIM PRECIPI NONE	ITED TATION AT ACCIDENT S	ITE				
	OBSTRUCTIO NONE	NS TO VISION AT AC	CIDENT SITE		TEMPERA 52						
	VFR	ATHER CONDITIONS		TYPE OF NONE	FLIGHT PLAN						

FILE	DATE LOCATION	AIRCRAFT DATA	INJU F	RIES S M	/ N		PILOT DATA				
 3 - 2186	8/4/73 BERLIN,MD TIME - 1215	BELL 47G-5 N1468W DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 3060 TOTAL HOURS, 1657 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE POINT BERLIN,MD TYPE OF ACCIDENT COLLIDED WITH WIRES/	INTENDED DESTINATION LOCAL POLES		PHAS IN	E C	F OPERATION IGHT STARTING SWATH RU					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS										
	GOGGLES - NOT USED COCKPIT CRASHPAD - NO TANK/HOPPER-LOCATION ELEVATION-AREA BEING	NKNOWN/NOT REPORTED IT INSTALLED		TYPE OF GLOVES CRASH F CRASH E TERRAIN		OPERATION - SPRAYING C CHEMICAL USED - LIQUID - NOT USED ELMET - AVAIALABLE-NOT AR - NOT INSTALLED -TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSWIN	ĈHEMICAL-TOXIC USED				
3-3105	9/18/73 BELTSVILLE,M TIME - 1617 DEPARTURE POINT	ID BELL 206A N6294N DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 2 PX- 0	0 0	0 0	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 27, 1010 TOTAL HOURS, 491 IN TYPE NOT INSTRUMENT RATED.				
	ANDREWS AFBASE, MD TYPE OF ACCIDENT ENGINE FAILURE OR MAU COLLIDED WITH TREES			١N	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTAT	IVE LANDING				
	PILOT IN COMMAND - FA PILOT IN COMMAND - IM FACTOR(S)	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS									
	PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL INADEQUATE FLIGHT TRAINING-PROCEDURES TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- IMPROPER AUTOROTATION PROC.										

FILE			AIRCRAFT DATA	F	S	M/N	FL IGHT PURPOSE	PILOT DATA
-2018	6/3/73 TIME - 0630	PLYMOUTH, MASS						STUDENT, AGE 24, 60 TOTA HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE P PLYMOUTH, TYPE OF ACC ENGINE FA	MASS			т	AKEC	F OPERATION FF INITIAL CLIMB NG LEVEL OFF/TOUCHDOWN	
	PILOT IN COMPLETE PO EMERGENCY C	T - IGNITION SYSTE COMMAND - MISJUDGE WER LOSS - COMPLET IRCUMSTANCES - FOR	M MAGNETOS D SPEED AND ALTITUDE E ENGINE FAILURE/FLAN CED LANDING ON AIRPOG GNETO DISCLOSED AN IM	RT/SEAPL	ANE	BAS		
-1735	5/15/73 TIME - 1550	MARQUETTE,MICH	BELL 47G2 N6725D DAMAGE-SUBSTANTIAL) 0) 0	2 0	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 25, 3800 TOTAL HOURS, 2080 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE P MARQUETTE TYPE OF ACC	,MICH	NTENDED DESTINATION LOCAL				F OPERATION IGHT OTHER	KA TED •
	FACTOR(S) WEATHER - TERRAIN - WEATHER BRI	COMMAND - IMPROPER DOWNDRAFT,UPDRAFT HIGH OBSTRUCTIONS	FLIGHT SERVICE PERSO					
		OT REPORTED AT ACCIDENT SITE			1 PRE	0000	AT ACCIDENT SITE TATION AT ACCIDENT SITE	
		S TO VISION AT ACC	IDENT SITE		TEM 6	PERA 2	TURE-F LOCITY-KNOTS	
	210	THER CONDITIONS			1 Т Ү Р	2	FLIGHT PLAN	
		ASED TO PWR CO.DOW	NDRAFTS,LOW ALTITUDE	UN CK (

			BRIEFS	S OF A	сс	IDE	NTS		
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUF F	RIE S	S M∕N	FL I GHT PURPOS E	PILOT DATA
	5/20/73 TIME - 17	PL YMOU TH, MICH 45	BENSEN B-BM N2201 DAMAGE-DESTROYED	CR-	0	0	1	NONCOMMERCIAL	PRIVATE, AGE 30, 181 SP TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PLYMOUT TYPE OF A	H,MICH CCIDENT FAILURE OR MALFUNCTI	NTENDED DESTINATION LOCAL ON		F	I	NF	OF OPERATION LIGHT CLIMB TO CRUISE ING ROLL-ON/RUN-ON	
	PILOT I PARTIAL P EMERGENCY	ANT - MISCELLANEOUS N COMMAND - MISJUDGE OWER LOSS - PARTIAL CIRCUMSTANCES - PRE DIR	POWERPLANT FAILURE F D SPEED AND ALTITUDE LOSS OF POWER - 1 ENC CAUTIONARY LANDING OF ECTIONAL CONTROL PROF UPPORTS BKN IN WELD 、	GINE FFAIR BLEM	POF	₹T		ED REASONS SION OR LACK FUSION.UN D	TRMN IF BREAK INFLT.
3-1733	7/15/73 TIME - 15	ALOHA,MICH 45	BENSEN B8M N10452 DAMAGE-SUBSTANTIAL	РХ-				INS TRUC TIONAL TRA IN ING	STUDENT, AGE 32, 63 TOTAL Hours, 29 IN TYPE, NOT INSTRUMENT RATED.
	CHEBOY TYPE OF A ENGINE	DEPARTURE POINT INTENDED DESTINATION CHEBOYGAN,MICH INDIAN RIVER,MICH TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION DITCHING						OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTAT	
	FACTOR(S) MISCELL COMPLETE EMERGENCY	ANT - IGNITION SYSTE ANEOUS ACTS,CONDITIO POWER LOSS - COMPLET CIRCUMSTANCES - FOR	M MAGNETOS NS - AIRCRAFT CAME TO E ENGINE FAILURE/FLAM CED LANDING DFF AIRPO OF IGNITION POINT ASS	1EOUT- DRT ON	1 E WA	ENG A T E	INE		
3-2352	8/12/73 TIME - 14	STERLING HTS,MICH 04	BRANTLY B2 N2111U DAMAGE-SUBSTANTIAL	Р X-				NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 52, 3222 TOTAL HOURS, 70 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE UTICA, TYPE OF A PROPELL		NTENDED DESTINATION REMICK,MICH IL ROTOR			I	NF	OF OPERATION LIGHT NORMAL CRUISE ING OTHER	
	MISCELL	AFT - FLIGHT CONTROL ANEOUS ACTS,CONDITIO CIRCUMSTANCES - FOR DIR	NS - SHEARED CED LANDING OFF AIRPO ECTIONAL CONTROL PROE	BLEM					
	REMARKS-		PECTED OR KNOWN AIRCF FT BEARING.SHAFT SHEA				S I	DEWARD FLT TO L.	

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	DATE			INJUR F	IES	PURPOS E	PILOT DATA				
	9/1/73 E TIME - 1300	BELLEVILE LK,MICH	BENSEN HYDRO			MISCELLANEOUS	PRIVATE, AGE 22, 167 TOTAL HOURS, 17 IN TYPE, NOT INSTRUMENT RATED.				
	NAME OF AIRPORT - WILLOW RUN DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP BELLEVILE LK,MICH LOCAL BELLEVILE LK,MICH TYPE OF ACCIDENT PHASE OF OPERATION										
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT LOW PASS										
		COMMAND - IMPROPER	OPERATION OF FLIGHT FAMILIARITY WITH AIRC								
	MISCELLANE		NS - AIRCRAFT CAME TO DFT AGL DSCNDD NEARLY				Y GYRO GLIDER ON FLOATS				
	11/9/73 H TIME - 1700	IOWELL,MICH	HUGHES 269A N8798F DAMAGE-SUBSTANTIAL	РХ - О	0 1 0 1	NONCOMMERCIAL PLEASURE/PERSONAL T	COMMERCIAL, AGE 37, 479 RANSP TOTAL HOURS, 278 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE PO		NTENDED DESTINATION	L		ROUTE STOP					
	PEARL BEA	ACH, MICH IDENT	HOWELL,MICH	Р		ENS ISLAND, MICH					
	ENGINE FA	ILURE OR MALFUNCTI	DN			IGHT NORMAL CRUISE NG POWER-OFF AUTORO	TATIVE LANDING				
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S)										
	MISCELLANE PILOT IN (COMMAND - IMPROPER	NS - MISCALCULATED FU COMPENSATION FOR WI	ND CONDIT	IONS						
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PILOT TOUCHED DOWN ON A WESTERLY HEADING.WIND 15K 220 DEG.EST 10.2 GPH MFG NML CRUISE 11-13 GPH.										

BRIEFS OF ACCIDENTS FILE LOCATION AIRCRAFT DATA DATE INJURIES FLIGHT PILOT DATA F S M/N PURPOSE ____ _____ 3-4029 12/29/73 GREENVILLE, MICH BELL 47G-2 CR- 0 0 2 INSTRUCTIONAL COMMERCIAL, FL.INSTR., TIME - 1320 N6738D PX- 0 0 0 DUAL AGE 45, 17000 TOTAL DAMAGE-SUBSTANTIAL HOURS, 2660 IN TYPE, INSTRUMENT RATED. NAME OF AIRPORT - GREENVILLE MUNI DEPARTURE POINT INTENDED DESTINATION GREENVILLE, MICH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT AUTOROTATIVE DESCENT HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. REMARKS- WIND GUSTING 15K. STUDENT PULLD PWR OFF TOO FAST. TREE IN AUTOROTATN PATH. 3-0588 3/26/73 NR.MINNEAPOLIS, MINN BELL 47J-2 CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 42, 5678 TIME - 0900 N8482E PX- 0 0 3 AIR TAXI-PASSG TOTAL HOURS, 110 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION PINE BEND .MINN MINNEAPOLIS, MINN TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF OTHER ROLL OVER LANDING ROLL PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- SETTLED INTO GRND WITH PWR.

			BRIEFS							
FILE	DATE	LOCATION	AIRCRAFT DATA	I	NJUF	RIE	S		PILOT DATA	
		OWAT ONNA, MINN	BELL 47G-2	CR- PX-	0	0	2		ATR,FLIGHT INSTR., AGE 41, 9026 TOTAL HOURS, 80 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE P OWATONNA, TYPE OF ACC	MINN IDENT WITH GROUND/WATER	TENDED DESTINATION			L	ANDI	F OPERATION NG LEVEL OFF/TOUCHDC NG LEVEL OFF/TOUCHDC	JWN	
	PILOT IN FACTOR(S) WEATHER - MISCELLAN MISCELLAN TERRAIN - WEATHER BRI	COMMAND - INADEQUA COMMAND - EXERCISED UNFAVORABLE WIND (EOUS ACTS,CONDITION WET,SOFT GROUND EFING - NO BRIEFIN(CONDITIONS IS - DOWNWIND IS - IMPROPERLY LOADS							
	SKY CONDITI		C	CEI	LING	AT ACCIDENT SITE				
	BROKEN VISIBILITY				-	000	TATION AT ACCIDENT SI	TE		
	5 OR OVER		NONE							
	OBSTRUCTION NONE	IDENT SITE	TEMPERATURE-F 52							
	WIND DIRECT	ION-DEGREES		WIND VELOCITY-KNOTS						
		THER CONDITIONS		18 Type of flight plan						
	VFR REMARKS- FA	A PRODUCTION TEST F	LT.13 LBS OVER MAX (GROSS	WT :		DNE D CG	LIMIT,60 LBS OVER MA	X CABIN LOAD.LOST CTL.	
-1608	6/1/73 TIME - 1615	BRAINERD,MINN	BELL 47G-2 N65520 DAMAGE-SUBSTANTIAL					COMMERCIAL OTHER	COMMERCIAL, AGE 26, 398 Total Hours, 71 in type, Not instrument rated.	
	DEPARTURE P BRA INERD,		TENDED DESTINATION							
	TYPE OF ACC		LOCAL		F	РΗΑ	SE C	F OPERATION		
	COLLISION	WITH GROUND/WATER	UNCONTROLLED			I	N FL	IGHT HOVERING		
	PILOT IN	COMMAND - FAILED TO COMMAND - IMPROPER) MAINTAIN ADEQUATE F COMPENSATION FOR WIN HOVER OUT OF GND EFF	ND CO	NDIT	гю	NS	IN LOSS OF LIFT.SIGHT	SEEING FLT.	

			BRIEFS								
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	IES		FL IGHT PURPOSE	PILOT DATA		
		LOOM INGTON, MINN	BELL 47G-5 N4064G DAMAGE-SUBSTANTIAL	CR-				COMMERCIAL CONSTRUCTION	COMMERCIAL, FL.INSTR., AGE 31, 3636 TOTAL HOURS, 170 IN TYPE, NOT INSTRU- MENT RATED.		
	DEPARTURE PO BLOOMINGTO TYPE OF ACCI MISCELLANE	N,MINN DENT	NTENDED DESTINATION LOCAL		Ρ			DF OPERATION DFF VERTICAL			
	PERSONNEL ROTORCRAFT MISCELLANE EMERGENCY CI	OMMAND - INADEQUA - MISCELLANEOUS-F - MISC EXTERN OUS ACTS,CONDITIC RCUMSTANCES - FOF SUS	TE PREFLIGHT PREPARAT PERSONNEL GROUND CREW JAL CARGO SLING. INS - IMPROPERLY SECUR CED LANDING OFF AIRPO PECTED OR KNOWN AIRCR M/R,WRAPPED ARND T/R	MAN ED RT ON AFT D	LA A MA	ND	PLA	NN ING			
3-3881	12/21/73 S TIME - 1400	T PAUL,MINN	BELL 47G4A N2247W DAMAGE-SUBSTANTIAL					MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, FL.INSTR., AGE 46, 6000 TOTAL HOURS, 832 IN TYPE, NOT INSTRU- MENT RATED.		
	DEPARTURE PO ST PAUL,MI TYPE OF ACCI HARD LANDI	NN DENT	NTENDED DESTINATION LOCAL								
	PILOT IN C	OMMAND - IMPROPEF OMMAND - IMPROPEF	R LEVEL OFF R OPERATION OF FLIGHT N.MN ROTOR STRUCK TAI				ΔT Ι	EQUIPPED.			
3-3557	12/21/73 R TIME - 1030	OSEMDUNT,MINN	BRANTLY B2 N5920X DAMAGE-SUBSTANTIAL	Р X—				INS TRUCTIONAL DUAL	AIRLINE TRANSPORT, AGE 53, 14729 TOTAL HOURS, 31 IN TYPE, INSTRUMENT RATED.		
	DEPARTURE PO ROSEMOUNT, TYPE OF ACCI ENGINE FAI	MINN	NTENDED DESTINATION LOCAL		Ρ	I	N FI	DF OPERATION IGHT NORMAL CRUISE ING POWER-OFF AUTOROT			
	POWERPLANT MISCELLANE TERRAIN - COMPLETE POW EMERGENCY CI	OUS - FOREIGN MAT - ENGINE STRUCTI OUS ACTS,CONDITIC ROUGH/UNEVEN ER LOSS - COMPLET RCUMSTANCES - FOF	DNS - OIL EXHAUSTION-E TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPO	NGINE	LU 1 E LA	JBR ENG ND	ICA [.] INE	TION SYSTEM	HIT LARGE DIRT CLOD.		

			AIRCRAFT DATA		F	S	M/N		PURPOSE		PILOT DATA			
3-1745	6 (10 / 72		HUGHES 269B N9357F DAMAGE-SUBSTANTIAL	C D	0 0	0 0	0 2	IN DU	STRUCTIONAL AL		COMMERCIAL, FL.INSTR., AGE 43, 4430 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE P MADISON,M TYPE OF ACC ENGINE FA	NAME OF AIRPORT - BRUCE CAMPBELL DEPARTURE POINT INTENDED DESTINATION MADISON,MISS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING POWER-OFF AUTOROTATIVE LANDING HARD LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S)												
3-1744	6/25/73 TIME - 1615	GRENADA, MISS	BELL 47G2-2 N4823 DAMAGE-SUBSTANTIAL		0 0	0 0) 1) 2	ND PL	NCOMMERCIAL EASURE/PERS	ONAL TRANSP	COMMERCIAL, AGE 49, 13163 TOTAL HOURS, 463 IN TYPE, NOT INSTRUMENT PATED			
	NAME OF AIRPORT - GRENADA MINICIPAL DEPARTURE POINT INTENDED DESTINATION GRENADA,MISS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT CLIMB TO CRUISE HARD LANDING POWER-OFF AUTOROTATIVE LANDING													
	PILOT IN PILOT IN COMPLETE PO EMERGENCY C	T - MISCELLANEOUS COMMAND - MISJUDG COMMAND - FAILED WER LOSS - COMPLE IRCUMSTANCES - FC	POWERPLANT FAILURE F ED DISTANCE AND ALTITU TO MAINTAIN ADEQUATE F TE ENGINE FAILURE/FLAM IRCED LANDING OFF AIRPO IT DIRT,BLADES CTCTD E	IDE OTOR IEOUT - IRT ON	R.F	P.M ENG	1. GINE	DR	EASONS					

BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOSE 3-0029 1/24/73 CHESTERFIELD, MO BELL 47G CR- 0 0 2 INSTRUCTIONAL COMMERCIAL, FL.INSTR., TIME - 1033 N9655 PX- 0 0 0 DUAL AGE 30, 4800 TOTAL HOURS, DAMAGE-SUBSTANTIAL 4000 IN TYPE, NOT INSTRU-MENT RATED. NAME OF AIRPORT - SPIRIT ST LOUIS DEPARTURE POINT INTENDED DESTINATION CHESTERFIELD,MO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER TAKEOFF VERTICAL PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT FACTOR(S) TERRAIN - WET, SOFT GROUND REMARKS- UNLEVEL LIFT OFF-POSSIBLE ROTOR WASH.INSTRUCTOR PILOT FAILED TO MONITOR STUDENTS LIFT OFF. 3-0352 3/2/73 KANSAS CITY,MO BELL 47J CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 27, 1114 TOTAL HOURS, 370 IN TYPE, TIME - 1115 N6780D PX- 0 0 2 AIR TAXI-PASSG DAMAGE-DESTROYED INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION KANSAS CITY,MO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN TERRAIN - WET, SOFT GROUND FACTOR(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR PULLEYS, BELTS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT UNUSUAL NOISE REMARKS- ONE ENG COOLING FAN BELT BROKE.ENGINE EQUIPED WITH TWO. NO NEED TO AUTOROTATE.

		- BRIEF					·	
FILE	DATE LOCATIO	ON AIRCRAFT DATA	IN	JUF F	S M	/N	FL IGHT PURPOSE	PILOT DATA
	4/26/73 PORT DE SIC TIME - 1915	DUX,MO BELL 47J N2837B DAMAGE-SUBSTANTIAL	С R Р X	0 0	0	1 0	MISCELLANEDUS SEARCH AND RESCUE	COMMERCIAL, AGE 40, 13000 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - SMAR DEPARTURE POINT CAHOKIA,ILL TYPE OF ACCIDENT COLLIDED WITH WIRES	INTENDED DESTINATION PORT DE SIOUX,MO		F			DF OPERATION ING POWER-ON LANDING	NATED .
	PILOT IN COMMAND - F	DIVERTED ATTENTION FROM OPER AILED TO SEE AND AVOID OBJE CONDITIONS - CONGESTED TRAFF	CTS OR	OB	STR			
		ISHED ROCK LANDING PAD.PLT A	TTN DI	REC	TEC) T(D LDG AND PARKED HELICC	PTER.HIT UNLTD WIRES.
3-1491	6/5/73 DORENA,MO TIME - 0830	BELL 47D1 N8282E DAMAGE-SUBSTANTIAL	РХ-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 43, 1469 Total Hours, 86 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT DORENA,MO TYPE OF ACCIDENT COLLISION WITH GROUN	INTENDED DESTINATION LOCAL		F			DF OPERATION .IGHT PROCEDURE TURNAR	
		FAILED TO MAINTAIN ADEQUATE					ITY LEVEL	
	SPECIAL DATA TOTAL HOURS IN CROP KIND OF CROP - OTHEF GLOVES - NOT USED CRASH HELMET - AVAIA CRASH BAR - NOT INST TERRAIN-TYPE - LEVEL SWATH RUN-HOW FLOWN REMARKS- SPRAYING FOR	ALABLE-NOT USED ALLED FLAT	VED.MA	1 () () 1 () () () () () () () () () () () () ()	YPE GOGG COCK TANK ELEV PROC	OF DES PIT /HC /AT EDU	FOPERATION - SPRAYING CHEMICAL USED - LIGUI S - NOT USED T CRASHPAD - NOT INSTAL SPPER-LOCATION - SIDES ION-AREA BEING TREATED- RE TURNAROUND - THIRD RPMS TOO LOW UN SUSTAI	D CHEMICAL-TOXIC LED FEET - 200 1/3 OF TURN
3-1746	6/24/73 ST LOUIS,MC TIME - 1310	D BELL 47G-5 N7043J DAMAGE-DESTROYED					MISCELLANEOUS Police patrol	COMMERCIAL, FL.INSTR., AGE 30, 16001 TOTAL HOURS, 1429 IN TYPE, NOT
	DEPARTURE POINT ST LOUIS,MO TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION LOCAL		F			DF OPERATION ING POWER-ON LANDING	INSTRUMENT RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - F	AILED TO MAINTAIN ADEQUATE	ROTOR	R.F	Р.М.			

		BRIEF	S OF ACCIDENT		
FILE	DATE LOCATION	AIRCRAFT DATA			PILOT DATA
	8/12/73 WINDSDR,MO TIME - 1810 DEPARTURE POINT WINDSOR,MO TYPE OF ACCIDENT AIRFRAME FAILURE IN F	BENSEN B8 N6394 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 1 0 PX- 0 0 PHASE	O NONCOMMERCIAL O PLEASURE/PERSONAL TRANS OF OPERATION FLIGHT OTHER	PRIVATE, AGE 40, 55 TOTAL
	PILOT IN COMMAND - IMF MISCELLANEOUS ACTS,CON FACTOR(S) TERRAIN - HIGH OBSTRUC MISCELLANEOUS ACTS,CON	DITIONS - SEPARATION IN F	CONTROLS FLYING LIGHT	TLY.M/R BLADES DROOPED,HIT	PROP & SEPARATED.
3-2127	8/12/73 BRANSON,MO TIME - 1315 DEPARTURE POINT BRANSON,MO TYPE OF ACCIDENT ENGINE FAILURE OR MALF	BELL 47G-2 N939B Damage-Substantial Intended destination Local UNCTION	PX- 0 0 PHASE IN	1 COMMERCIAL 3 OTHER OF OPERATION FLIGHT NORMAL CRUISE DING POWER-OFF AUTOROTATI	COMMERCIAL, AGE 26, 429 TOTAL HOURS, 285 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN COMMAND - FAI PARTIAL POWER LOSS - PAR	EOUS POWERPLANT FAILURE LED TO MAINTAIN ADEQUATE TIAL LOSS OF POWER - 1 EN - FORCED LANDING OFF AIRP • LND ON LAKE SHORE•	FOR UNDETERMI ROTOR R.P.M. GINE		VE LANUING
3 - 3518	10/22/73 CREVE COEUR,M TIME - 0930	0 BELL 476-5 N2251W DAMAGE-SUBSTANTIAL	PX- 0 0		COMMERCIAL, AGE 41, 5640 TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - CREVE DEPARTURE POINT CREVE COEUR,MO TYPE OF ACCIDENT ENGINE FAILURE OR MALF HARD LANDING	INTENDED DESTINATION LOCAL	LAN	OF OPERATION DING POWER-OFF AUTOROTATI DING POWER-OFF AUTOROTATI	VE LANDING
	PILOT IN COMMAND - MIS	DITIONS - SIMULATED CONDI JUDGED SPEED AND ALTITUDE D AREA ON AIRPORT-LANDED			

				S OF A						
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	S M	/ N	FL IGHT PURPOSE	PILOT DATA	
-0903	4/23/73 NR. TIME - 1130 DEPARTURE PC BILLINGS,M TYPE OF ACCI	BILLINGS, MONT INT ONT	BELL 47G-3B N2042 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR - PX-	0 0 P	0 0 HAS IN	2 0 E 0 FL	COMMERCIAL POWER/PIPELINE F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	COMMERCIAL, AGE 25, 1559 TOTAL HOURS, 145 IN TYPE, NOT INSTRUMENT RATED.	
	MISCELLANE TERRAIN - COMPLETE POW EMERGENCY CI	- ENGINE STRUCT OUS ACTS,CONDITI ROUGH/UNEVEN ER LOSS - COMPLE RCUMSTANCES - FO	URE MASTER AND CONNE DNS - MATERIAL FAILUR TE ENGINE FAILURE/FLA RCED LANDING OFF AIRP AILED.LND ON 30 DEG S	E MEOUT- ORT ON	1 E LA	NG I ND		CLEARING. PIPELINE SU	RVEILLANCE FLT.	
-1163	5/16/73 [TIME - 0705	PAYT ON, MONT	BELL 47G3B1 N73946 DAMAGE-DESTRQYED	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 40, 10000 TOTAL HOURS, 4500 I TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POINT INTENDED DESTINATION DAYTON,MONT LOCAL TYPE OF ACCIDENT PHASE OF OPERATION FIRE OR EXPLOSION IN FLIGHT IN FLIGHT SWATH RUN ENGINE FAILURE OR MALFUNCTION IN FLIGHT SWATH RUN									
	MISCELLANE MISCELLANE MISCELLANE COMPLETE POP	S/EQUIPMENT AND DUS ACTS,CONDITI DUS ACTS,CONDITI DUS ACTS,CONDITI ER LOSS - COMPLE	ACCESSORIES - MISCELL ONS - LEAK/LEAKAGE ONS - MATERIAL FAILUR ONS - FIRE IN ENGINE TE ENGINE FAILURE/FLA RCED LANDING OFF AIRP	E MEOUT -	1 6	NGI		T SPRAY, DUSTING EQUI	PMENT	
	COCKPIT CF TANK/HOPPE ELEVATION-	S IN CROP CONTRO COP - SAGE AT BELT - FASTEN NOT USED ASHPAD - NOT INS R-LOCATION - SID AREA BEING TREAT			C T S	RAS ERR SWAT	HB AIN HR	AR - NOT INSTALLED -TYPE - ROLLING UN-HOW FLOWN - WIND CA		

			BRIEF				TS_					
FILE	DATE	LOCATION	AIRCRAFT DATA	11	NJUR F	IES S M	/N	PURP OS E	PILOT DATA			
		R.MOORE,MONT		C.R-	1	0	0	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 32, 5226 TOTAL HOURS 399 IN TYPE, NOT INSTRU- MENT RATED.			
	DEPARTURE LEWISTO TYPE OF AC UNDETERM	WN,MONT CIDENT	INTENDED DESTINATION LOCAL	MENT RATED. PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP								
	PROBABLE C MISCELLA	AUSE(S) NEOUS - UNDETERM	INED									
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP FIRE AFTER	NURS IN CROP CONT CROP - GRAIN FIE SEAT BELT - UNKN - NOT USED CRASHPAD - NOT I PER-LOCATION - S IMPACT	LDS DWN/NOT REPORTED NSTALLED		T C C	YPE GLOV RAS	OF ES H H	OPERATION - FERRY CHEMICAL USED - LIQUID - NOT USED ELMET - AVAILABLE-USED AR - NOT INSTALLED	CHEMICAL-NONTOXIC			
3-3753	8/21/73 N TIME - 134 DEPARTURE	-5	ONT BELL 205-A1 N2215W DAMAGE-DESTROYED INTENDED DESTINATION					COMMERCIAL FIRE CONTROL	COMMERCIAL, AGE 27, 1785 TOTAL HOURS, 55 IN TYPE, NOT INSTRUMENT RATED.			
	THOMPSON TYPE OF AC	FLS,MONT	LOCAL		P			F OPERATION IGHT POWER-ON DESCENT				
	INSTRUME FACTOR(S) WEATHER MISCELLA TERRAIN WEATHER BR	I COMMAND - IMPRO NTS/EQUIPMENT AN - HIGH DENSITY A	TIONS - LOAD NOT JETTIS ONS /NOT REPORTED	ANEOU			MEN	T OTHER				
	SKY CONDIT SCATTERE VISIBILITY 3 MILES	E	CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE									
	NONE WIND VELOC 8 TYPE OF FL	ACCIDENT SITE			75	0F	TURE-F WEATHER CONDITIONS					
	NONE FIRE AFTER REMARKS- P		O GAL WATER IN EXTRNL B	UCKET	. DE	NS	ALT	APRX 7000 FT.				

			BRIEFS									
FILE	DATE		AIRCRAFT DATA	I	NJUI F	R I E S	S M∕N	PURPOS E	PILOT DATA			
3-3217	9/10/73 TIME - 17	NR.LEWISTOWN,MONT	BELL 206B N8110J DAMAGE-DESTROYED	CR- PX-	- 0	0	2 0	COMMERCIAL ASSOC FIRE CTL ACTIV	COMMERCIAL, FL.INSTR., ITY AGE 25, 2700 TOTAL HOURS, 262 IN TYPE, NOT INSTRU- MENT RATED.			
	LEWISTO TYPE OF A	WN + MONT	NTENDED DESTINATION LOCAL UNCONTROLLED	PHASE OF OPERATION IN FLIGHT HOVERING								
	MISCELL MISCELL PILOT I MISCELL FACTOR(S) MISCELL WEATHER TERRAIN MISCELL WEATHER B	N COMMAND - INADEQUA ANEOUS ACTS,CONDITION ANEOUS ACTS,CONDITION N COMMAND - FAILED TO N COMMAND - FAILED TO ANEOUS ACTS,CONDITION	IS - IMPROPERLY LOAD IS - POORLY PLANNED J MAINTAIN ADEQUATE F MAINTAIN DIRECTION. IS - IMPROPER EMERGEN IS - DOWNWIND TUDE IS - JETTISONED LOAD RECEIVED	ED AI APPRC ROTOR AL CC	RCRA DACH R .F DNTR	AFT P.M DL	-WE					
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES					CEILING AT ACCIDENT SITE 12000 PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 88 WIND VELOCITY-KNOTS 12						
	240 TYPE OF WEATHER CONDITIONS VFR REMARKS- MTN SITE AT TWIN PEAKS FIRE.360LB OVRWT.DA 9050FT.HVR OGE,ENG TOPPED,RT SPIN,PULLED COLLECTIVE.											
3-4034	12/2/73 TIME - 10	NR•MISSOULA,MONT 15	BELL 47G-3 N178B DAMAGE-SUBSTANTIAL	Р X-				INS TRUCT I ONAL TRAIN ING	AIRLINE TRANSPORT, AGE 32, 7858 TOTAL HOURS, 12 IN TYPE, INSTRUMENT RATED.			
	NAME OF A DEPARTURE MISSOUL TYPE OF A ROLL OV	- FLD VTENDED DESTINATION LOCAL		I			DF OPERATION ING POWER-ON LANDING					
	PILOT I FACTOR(S) PERSONN TERRAIN	N COMMAND - ATTEMPTER N COMMAND - MISUNDER	STANDING OF ORDERS OF	R INS VISIC	STRU	СТІ	ONS					

BRIEFS OF ACCIDENTS FILE DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT PILOT DATA F S M/N PURPOS E ______ CR- 1 0 0 NONCOMMERCIAL 3-1390 5/17/73 NR.GRAND ISLAND, NEBR SCORPION SINGLE PRIVATE. AGE 31. 297 TIME - 1845 N5406 PX- 0 0 0 PLEASURE/PERSONAL TRANSP TOTAL HOURS, 32 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION GRAND ISLAND, NEB LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE INSPECTION OF AIRCRAFT (OWNER-PILOT) POWERPLANT - ENGINE STRUCTURE MOUNT AND VIBRATION ISOLATORS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- UPPER ENG MOUNT WALK BEAM 7100-6 RIPPED AND TORN, BREAKS RUSTY.NO FORMAL COPTER TRAIN, SELF TAUGHT. 3-3781 12/2/73 NORTH PLATTE, NEBR BELL 206A CR- 0 0 1 NONCOMMERCIAL COMMERCIAL, AGE 24, 573 TIME - 1650 N7881S PX- 0 0 0 PRACTICE TOTAL HOURS, 43 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION NORTH PLATTE, NEBR LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL REMARKS- PRACTICE HOVER, WHEN DECREASING ROTOR RPM DISCOVERED APLD FULL PWR ACFT TURNED 180 DEG.SKIDS FAILED 3-3015 9/22/73 ARDEN, NEV BELL 47G2 CR- 0 0 1 MISCELLANEOUS COMMERCIAL, AGE 68, 5983 TIME - 0945 N2873B PX- 0 0 2 SEARCH AND RESCUE TOTAL HOURS, 800 IN TYPE, DAMAGE-SUBSTANTIAL, NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION JEAN, NEV LOCAL TYPE OF ACCIDENT PHASE OF OPERATION NOSE OVER/DOWN TAKEOFF RUN PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED

FILE			AIRCRAFT DATA		F S	5 M.	/ N	PURPOSE	PILOT DATA
	7/19/73 TIME - 08					COMMERCIAL OTHER	COMMERCIAL, AGE 38, 800 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.		
	TYPE OF A	CCIDENT FAILURE OR MALFUNCTI	LUCAL	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING					
	MISCELL MISCELL PILOT I FACTOR(S) WEATHER COMPLETE	N COMMAND - IMPRÓPER ANEOUS ACTS,CONDITIO ANEOUS ACTS,CONDITIO N COMMAND - MISJUDGE - CONDITIONS CONDUC POWER LOSS - COMPLET	OPERATION OF POWERPL NS - ANTI-ICING/DEICI NS - ICE-CARBURETOR D DISTANCE AND ALTITU IVE TO CARB./INDUCTIO E ENGINE FAILURE/FLAM CED LANDING OFF AIRPC	NG EQ DE N SYS EDUT-	UIP TEM	IC IC	T−I ING		VOR FAILED TO USE
	SKY CONDITION SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE					UNI REC NOI	LIM IPI NE	AT ACCIDENT SITE ITED TATION AT ACCIDENT S TURE-F	ITE
	NONE WIND DIRECTION-DEGREES 235					77	-	LOCITY-KNOTS	
	TYPE OF W VFR	EATHER CONDITIONS OBSERVATION FLT OF S	ALT MARSHES.	FLIGHT PLAN					
		TETERBORD;NJ	ENSTROM F-28A N15SB					INSTRUCTIONAL Solo	COMMERCIAL, AGE 33, 380 TOTAL HOURS, 9 IN TYPE, INSTRUMENT RATED.
3-2616	8/25/73 TIME - 14		DAMAGE-SUBSTANTIAL						
3-2616	TIME - 14 NAME OF A DEPARTURE TETERBO	30 IRPORT – TETERBORO POINT I RO,NJ				14 5	- 0		
3-2616	TIME - 14 NAME OF A DEPARTURE TETERBO TYPE OF A	30 IRPORT - TETERBORD POINT I RO,NJ CCIDENT ON WITH GROUND/WATER	NTENDED DESTINATION LOCAL					F OPERATION AERIAL TAXI, OTHER	

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIE	S	FL IGHT	PILOT DATA				
-3668	11/21/73 NOR TIME – 1345	TH BERGEN,NJ	BRANTLY B-2 N5946X DAMAGE-DESTROYED	CR- 0 0 PX- 0 0	0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 49, 11953 TOTAL HOURS, 22 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE POIN FLUSHING,NY	i T	INTENDED DESTINATION NORTH BERGEN,NJ								
٠	TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR LANDING GO-AROUND COLLISION WITH GROUND/WATER UNCONTROLLED LANDING GO-AROUND										
	MISCELLANEOU FIRE AFTER IMP	- TRANSMISSION US ACTS, CONDITI PACT	ROTOR DRIVE SYSTEM TA DNS - FATIGUE FRACTURE 10 FAILED AT BOLT HOLE				BOX ASSEM REPLACED 6/68				
-0119	1/8/73 ZUN TIME - 1500	II,N MEX	BELL 473GB1 N1166W DAMAGE-SUBSTANTIAL	CR- 0 C PX- 0 C	1 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 29, 2016 TOTAL HOURS 550 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE POIN GALLUP,N ME		INTENDED DESTINATION RETURN				MENT KATED.				
	TYPE OF ACCIDE	NT JRE OR MALFUNCT]	N FL	F OPERATION IGHT POWER-ON DESCEN NG POWER-OFF AUTORON					
	MISCELLANEOU MISCELLANEOU PILOT IN COM PARTIAL POWER EMERGENCY CIRC	- EXHAUST SYSTE IS - FOREIGN MA JS ACTS,CONDITI IMAND - IMPROPE LOSS - PARTIAL UMSTANCES - FO	M EXTERNAL SUPERCHARG TERIAL AFFECTING NORMA DNS - OBSTRUCTED R LEVEL OFF LOSS OF POWER - 1 ENG RCED LANDING OFF AIRPO AUST MANIFOLD WEDGED 1	SINE DRT ON LAND)						
-2440	6/13/73 NR.CU TIME - 1400	JBA, N MEX	BELL 47G-3B N4727R DAMAGE-SUBSTANTIAL	PX- 0 C	1 2	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE UNK/NR, 1971 TOTAL HOURS, 61 IN TYPE, INSTRUMENT RATED.				
	DEPARTURE POIN CUBA•N MEX		INTENDED DESTINATION								
	TYPE OF ACCIDE	ENT JRE OR MALFUNCT		T	ΓΑΚΕΟ	F OPERATION FF INITIAL CLIMB NG LEVEL OFF/TOUCHDO	DWN				
	PROBABLE CAUSE(S) POWERPLANT - EXHAUST SYSTEM EXTERNAL SUPERCHARGER MISCELLANEOUS ACTS,CONDITIONS - BINDING PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL) PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- WASTE GATE ACTUATOR ARM BINDING.PLT ATMTD PARTIAL PWR LNDG.										

FILE	DATE		AIRCRAFT DATA	INJU F					PILOT DATA			
3-1559		UNA,N MEX	BELL 4G3B2A N83111 DAMAGE-SUBSTANTIAL	CR- (PX- :) (L (1	COMMERCIA CONSTRUC	IL FION	COMMERCIAL, AGE 28, 770 TOTAL HOURS, 3300 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE PO		INTENDED DESTINATION									
	LUNA,N MEX TYPE OF ACCI PROPELLER/		LOCAL O PERSON				OF OPERATIO OFF VERTIO					
	PILOT IN C FACTOR(S) TERRAIN -	OMMAND - EXERCIS OMMAND - FAILED OTHER	ED POOR JUDGMENT TO FOLLOW APPROVED PRO FINED AREA.PLT DIDNT					FOR TKOF.M/R B	LADE HIT PAX.			
8-2590	7/8/73 A TIME - 1100	LBUQUERQUE,N MEX	BELL 47G5 N6278N				NONCOMME BUSINESS	CIAL	COMMERCIAL, AGE 27, 170 TOTAL HOURS, 64 IN TYPE			
			DAMAGE-SUBSTANTIAL	PX= (, (DUS INESS		NOT INSTRUMENT RATED.			
	-DEPARTURE POINT INTENDED DESTINATION ALBUQUERQUE,N MEX LOCAL											
	TYPE OF ACCI	DENT					OF OPERATIO					
	HARD LANDI	ROTOR FAILURE T.	AIL KUIUK				LIGHT HOVI ING POWER-	OFF AUTOROTATI	VE LANDING			
	MISCELLANE PILOT IN C PILOT IN C FACTOR(S) ROTORCRAFT MISCELLANE MISCELLANE WEATHER BRIE WEATHER FORE WEATHER FORE	- ROTOR ASSEMBL OUS ACTS,CONDITI OMMAND - SPONTAN OMMAND - IMPROPE - FLIGHT CONTRO OUS ACTS,CONDITI OUS ACTS,CONDITI HIGH DENSITY ALT FING - NO BRIEFI CAST - UNKNOWN/M RCUMSTANCES - FO DI	NG RECEIVED	E CONTROI PITCH (E IGHT DRT ON I BLEM	ONT)	SYSTEM					
	SKY CONDITIO	IN		CEILING AT ACCIDENT SITE								
	5 OR OVER	ACCIDENT SITE			UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE							
	OBSTRUCTIONS NONE											
	WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS											
	WIND DIRECTI 315	UN-DEGREES										

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			BRIEFS										
FILE	DATE	LOCATION	AIRCRAFT DATA	١N	IJUF F	RIES S M	1/ N	FLIGHT PURPOSE	PILOT DATA				
3-2513	7/11/73	LUNA,N MEX O	BELL 47G3B2 N58131 DAMAGE-SUBSTANTIAL	CR - P X-	0 0	0 0	2 0	MISCELLANEOUS TEST	COMMERCIAL, FL.INSTR., AGE 25, 3895 TOTAL HOURS, 1800 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE POINT INTENDED DESTINATION LUNA,N MEX RED HILL,N MEX TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING IN FLIGHT AUTOROTATIVE DESCENT												
	PILOT IN FACTOR(S) PILOT IN	COMMAND - FAILED COMMAND - IMPROPE COMMAND - MISJUDO	TO MAINTAIN ADEQUATE F R OPERATION OF FLIGHT GED ALTITUDE DN RECOVERY FM PRACTICE	CONTR	OLS	5							
-2743	7/24/73 N TIME - 101	R.LUNA,N MEX 5	BELL 205A-1 N83044 DAMAGE-SUBSTANTIAL	CR- PX-	0 1	1 0	0 0	COMMERCIAL Construction	COMMERCIAL, AGE 27, 4450 TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT				
	DEPARTURE POINT INTENDED DESTINATION LUNA,N MEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT NORMAL CRUISE ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING												
	MISCELLA FACTOR(S) MISCELLA MISCELLA EMERGENCY	COMMAND - IMPROPE NEOUS - FOREIGN MA NEOUS ACTS,CONDITI NEOUS ACTS,CONDITI CIRCUMSTANCES - FC DI SU	R IN-FLIGHT DECISIONS TERIAL AFFECTING NORM ONS - OVERLOAD FAILURE ONS - SEPARATION IN FL RCED LANDING OFF AIRPO RECTIONAL CONTROL PROE SPECTED OR KNOWN AIRCF E STRUCK & SEVERED T/F	IGHT IGHT IRT ON LEM AFT D	RAT LA	ND	S	L SKID IN YAW.					
-1650	6/7/73 TIME - 204 DEPARTURE		′ ENSTROM F-28A N4885 DAMAGE-SUBSTANTIAL INTENDED DESTINATION TETERBOR0,NJ						PRIVATE, AGE 37, 206 SP TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.				
	TYPE OF AC	CIDENT N WITH GROUND/WATE						F OPERATION IGHT UNCONTROLLED DESCE	ENT				
	PILOT IN	COMMAND - ATTEMPT COMMAND - SPATIAL						TY LEVEL DIR OF SPIN BUT TRIED S	STOP SPIN WITH RUD.				

	BRIEFS OF ACCIDENTS										
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	IJUR F	RIE S	S M/N	I	FL IGHT PURPOS E	PILOT DATA	
3-1761	7/17/73 TIME - 150	AMITYVILLE,NY O	BELL 206B N7094J DAMAGE-SUBSTANTIAL	С R — Р X—	0 0	0	1 1		NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 36, 5200 TOTAL HOURS, 2500 IN. TYPE, NOT INSTRUMENT RATED.	
	TYPE OF AC ENGINE F	CITY,NY CIDENT AILURE OR MALFUNCT]	INTENDED DESTINATION LOCAL ION R CONTROLLED			I	NF	LI	OPERATION GHT NORMAL CRUISE G POWER-OFF AUTOROTA	TIVE LANDING	
	PILOT IN	NEOUS ACTS,CONDITIC COMMAND - MISJUDGE	DNS - SIMULATED CONDI ED SPEED AND ALTITUDE ER OFF AUTOROTATIVE L		; PL	.⊺∙	LND	D	HARDER THAN USUAL M/R	BLADE HIT TAIL.	
3-2839		NEW ÝORK,NY 4	BELL 206A N4087G DAMAGE-DESTROYED	PX-	1 0	0 0	<u>(</u> 0 0		NONCOMMERCIAL PLEASURE/PERSONAL TRA	PRIVATE, AGE 41, 2330 NSP TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE NEW YORK TYPE OF AC		INTENDED DESTINATION MIDDLETOWN,NJ						OPERATION GHT EMERGENCY DESCEN		
	PILOT IN	COMMAND - MISJUDGE COMMAND - FAILED	ED DISTANCE,SPEED,ALT TO MAINTAIN DIRECTION NEUVER TO AVOID COLLI	AL COM			EAR	AN.	CE		
		COMMAND - EXERCISE OSSIBLY 1ST FLT FM		TURN F	OLL	.0₩	ED	ΒY	RAPID DESCENT TO WAT	ER•	
3-2604	9/16/73 TIME - 160	EAST MORICHES,NY 0	BENSEN B8-M N6890 DAMAGE-SUBSTANTIAL		0 0	0 0	1 0	ł	INS TRUC T I ONAL TRA IN ING	STUDENT, AGE 43, 14 TOTAL Hours, 3 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE EAST MOR TYPE OF AC	ICHES,NY CIDENT	INTENDED DESTINATION LOCAL R UNCONTROLLED						OPERATION F INITIAL CLIMB		
	PILOT IN	COMMAND - IMPROPER COMMAND - LACK OF	R OPERATION OF FLIGHT FAMILIARITY WITH AIR PWR,ACFT DROPPED FROM	CRAFT			GL,	т/	D ON ALL 3 WHEELS.		



			BRIEFS								
FILE	DATE	LOCATION	AIRCRAFT DATA		INJUI F	R I I S	ES M/I	N	FL IGHT PURPOSE	PILOT DATA	
	10/7/73 TIME - 16 DEPARTURE	NIAGARA FALLS,NY 45		CF P)	R- 0 K- 0	0	0 1 0 1	1 3	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 27, 2537	
	TYPE OF A COLLISI	CCIDENT DN WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION							
	MISCELL FACTOR(S) MISCELL	EL - MISCELLANEOUS-P ANEOUS ACTS,CONDITIC ANEOUS ACTS,CONDITIC	ERSONNEL OTHER INS - LATERAL IMBALANC INS - AIRCRAFT CAME TO WD,MAN HELD ONTO R SK) RE		N I	WAT	ER			
3-3839	11/6/73 TIME - 08	DANSVILLE,NY 30	HILLER ACFT UH-12B N33616 DAMAGE-SUBSTANTIAL						NONCOMMERCIAL OTHER	COMMERCIAL, AGE 41, 3967 TOTAL HOURS, 855 IN TYPE, NOT INSTRUMENT RATED.	
	NAME OF AIRPORT - DANSVILLE DEPARTURE POINT INTENDED DESTINATION DANSVILLE,NY LOCAL TYPE OF ACCIDENT FAILURE TAIL ROTOR IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED LANDING 'POWER-OFF AUTOROTATIVE LANDING										
	MISCELL	AFT - TRANSMISSION R ANEOUS ACTS,CONDITIC	COTOR DRIVE SYSTEM TA INS - MATERIAL FAILURE TION FLT,TAIL ROTOR F	•		R (GEAI	r B			
3-3806	12/20/73 TIME - 14	BETHPAGE,NY D2	HILLER ACFT FH1100 N609PD DAMAGE-SUBSTANTIAL						MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 50, 5899 TOTAL HOURS, 1798 IN TYPE, NOT INSTRUMENT RATED.	
	NAME OF AIRPORT - GRUMMAN-BETHPAGE DEPARTURE POINT INTENDED DESTINATION BETHPAGE,NY LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT CLIMB TO CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING										
	POWERPL MISCELL PILOT I COMPLETE EMERGENCY	EL - MAINTENANCE,SER ANT - COMPRESSOR ASS ANEOUS - FOREIGN MAT N COMMAND - MISJUDGE POWER LOSS - COMPLET CIRCUMSTANCES - FOR	EMBLY FAN ERIAL AFFECTING NORMA D SPEED AND ALTITUDE E ENGINE FAILURE/FLAM CED LANDING ON AIRPOR	AL (1EOU RT/S	DPERA JT-1 SEAPLA	T I (EN(ONS GINI E BJ	E A S E	NCE (MAINTENANCE PERSONNI /HELIPT. IR.SNOW SCOOP INSTALLED 12		

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FILE	DATE									PILOT DATA	
			AIRCRAFT DATA		C	c	M / P	u .			
-1626	6/3/73 C TIME - 0925	HARLOTTE ,NC	BELL 4765 N7089J DAMAGE-SUBSTANTIAL	CR PX	- 0]))	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 35, 738 TOTAL HOURS, 522 IN TYPE NOT INSTRUMENT RATED.	
	DEPARTURE PO CHARLOTTE TYPE OF ACCI	ORT - DOUGLAS MU INT NC DENT	N INTENDED DESTINATION LOCAL			РН	A S E	OF	OPERATION		
	ENGINE FAILURE OR MALFUNCTION LANDING OTHER HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING										
	PILOT IN C PILOT IN C FACTOR(S) TERRAIN - COMPLETE POW	OUS ACTS,CONDITI OMMAND - SELECTE OMMAND - MISJUDG HIDDEN OBSTRUCTI VER LOSS - COMPLE	ONS - SIMULATED CONDIT D UNSUITABLE TERRAIN ED SPEED AND ALTITUDE ONS TE ENGINE FAILURE/FLAM G.FLARED TOO LATE,T/R	1E0U	T -1				LL GRASS.		
-1625	6/15/73 L TIME - 1015	UMBERTON,NC	HUGHES 269B N9507F DAMAGE-SUBSTANTIAL		- 0 - 0	(1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 53, 6585 Total Hours, 300 IN TYPE NOT INSTRUMENT RATED.	
	DEPARTURE POINT INTENDED DESTINATION LUMBERTON,NC LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT STARTING SWATH RUN										
	FACTOR(S)		TO SEE AND AVOID OBJEC S	CTS	DR O	BS	TRU	СТІ	DNS		
	KIND OF CF PILOT'S SE TERRAIN-TY	S IN CROP CONTRO OP - CORN AT BELT - UNKNOW ′PE - LEVEL,FLAT ∙HOW FLOWN - WIND	N/NOT REPORTED			T YI CR E L	SH SH	DF HE TIC	OPERATION - DUSTING CHEMICAL USED - LIG LMET - AVAILABLE-US IN-AREA BEING TREATE E TURNAROUND - ENTR'	UID CHEMICAL-TOXIC ED D-FEET - 135	
-2529	9/1/73) TIME - 1700	ADKINVILLE, NC	BELL 47G-2 N262MV DAMAGE-SUBSTANTIAL	ΡX					MISCELLANEDUS FERRY	COMMERCIAL, AGE 25, 628 TOTAL HOURS, 96 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE PO YADKINVILL TYPE OF ACCI COLLIDED W						OPERATION G POWER-ON LANDING				
	PROBABLE CAU PILOT IN C	ISE(S) COMMAND - MISJUDG	ED CLEARANCE ON TRAILER,TAIL ROTOR	R ST	RUCK		-			OUT OF CONTROL.	

			BRIEFS	S OF	ACC	ID	ENTS					
FILE	DATE	LOCATION	AIRCRAFT DATA		INJU F	R I S	ES M/N	FL IGHT PURPOSE	PILOT DATA			
3-3865	11/6/73	SALISBURY,NC 30	BENSON B&M N6020 DAMAGE-SUBSTANTIAL	C R P X	- 0 - 0		L 0 D 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, 6 IN TYPE, UNK/NR INSTRUMENT RATED.			
	DEPARTURE P . SALISBURY TYPE OF ACC		TENDED DESTINATION LOCAL					OF OPERATION OFF INITIAL CLIMB				
	PILOT IN	COMMAND - IMPROPER Command - Lack of F	OPERATION OF FLIGHT AMILIARITY WITH AIRC FLT TIME FOR PAST 90	CRAF	т	S						
3-4161	TIME - 1015		N 73276 DAMAGE-SUBSTANTIAL	РX				COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 1435 TOTAL HOURS, 205 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POINT INTENDED DESTINATION AULANDER,NC LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES					PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING FINAL APPROACH						
	MISCELLAN FACTOR(S) TERRAIN - COMPLETE PO	T - ENGINE STRUCTUR EDUS ACTS,CONDITION HIGH OBSTRUCTIONS WER LOSS - COMPLETE	E MASTER AND CONNEC IS - MATERIAL FAILURE ENGINE FAILURE/FLAM ED LANDING OFF AIRPC	MEDU	T-1	EN						
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPOR KIND OF CROP - FOREST-TREES PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 60 REMARKS- NR 4 CONN ROD CAP BOLTS BROKE.					TYI GLI CR/ CR/ TEI	PE O DVES ASH ASH RRAI	F OPERATION - SPRAYING FO F CHEMICAL USED - LIQUID - USED HELMET - AVAILABLE-USED BAR - NOT INSTALLED N-TYPE - LEVEL,FLAT RUN-HOW FLOWN - UNKNOWN/N	CHEMICAL-NONTOXIC			

			BRIEF	S OF A	CC 1	IDEN	ITS					
FILE	DATE	LOCATION	AIRCRAFT DATA		F	S M	1/N	FL IGHT PURP OS E	PILOT DATA			
3-0506	3/22/73 TIME - 124	MORAINE,OHIO 45	HUGHES 269A N9541F DAMAGE-SUBSTANTIAL	CR- PX-				INSTRUCTIONAL Check	STUDENT, AGE 32, 58 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.			
		IRPORT - MORAINE AI										
	MORAINE	,OHIO	INTENDED DESTINATION LOCAL									
	TYPE OF ACCIDENT PHASE OF OPERATION											
	COLLIDED WITH OBJECT LANDING POWER-OFF AUTOROTATIVE LANDING											
	PROBABLE CAUSE(S)											
	PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- PRIVATE PLT CK. T/R GUARD HIT AUTO TIRE MARKER DURING PRACTICE AUTOROTATION FROM HOVER.											
	REMARKS- F	PRIVATE PLT CK. T/R	GUARD HIT AUTO TIRE	MARKER	DU	JRIN	IG F	PRACTICE AUTOROTATION	FROM HOVER.			
3-1353		AMELIA, OHIO	BENSEN B-8M	CR-	0	0	1	NONCOMMERCIAL	STUDENT, ÀGE 34, 24 TOTAL ANSP HOURS, ALL IN TYPE, NOT			
	TIME - 150	00	N14439 DAMAGE-SUBSTANTIAL		0	0	0	PLEASURE/PERSONAL TR	ANSP HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - HUMPHRIES											
	DEPARTURE	PO INT DHIO	INTENDED DESTINATION									
	TYPE OF A		LUCAL		F	рна	SE (OF OPERATION				
	ENGINE F	LANDING TRAFFIC PATTERN-CIRCLING										
	ROLL OVE	ER .				LA	ND	ING POWER-OFF AUTOROT	ATIVE LANDING			
	PROBABLE CAUSE(S)											
	POWERPLANT - FUEL SYSTEM LINES AND FITTINGS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE TERRAIN - HIGH VEGETATION											
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE											
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- BROKEN FUEL LINE FITTING.GYROCOPTER BOUNCED THROUGH BRUSH AND HIGH WEED WHICH CAUSED ROLL OVER.											
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BRIEFS OF ACCIDENTS DATE AIRCRAFT DATA PILOT DATA FILE LOCATION INJURIES FLIGHT F S M/N PURPOSE 3-4052 9/24/73 NR.WASHINGTN CH.OHIO BELL 47-G5 CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 28, 940 TIME - 0915 N4101G PX- 0 0 0 ASSOC CROP CTL ACTIVITY TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED. DAMAGE-SUBSTANTIAL NAME OF AIRPORT - FAYETTE CO DEPARTURE POINT INTENDED DESTINATION WASHINGTN CH,OHIO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT CLIMB TO CRUISE HARD LANDING LANDING ROLL-ON/RUN-ON PROBABLE CAUSE(S) POWERPLANT - LUBRICATING SYSTEM VALVES MISCELLANEOUS ACTS, CONDITIONS - STUCK PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED FACTOR(S) TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 750 KIND OF OPERATION - DEFOLIATION (LIQUID) KIND OF CROP - BEANS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED-FEET - 50 REMARKS- POWER LOSS FROM STUCK EXHUAST VALVE.MAIN ROTOR STRUCK TAIL BOOM DURING FORCED LANDING. 3-3968 10/16/73 SPRINGFIELD, OHIO HUGHES 269B CR- 1 0 0 COMMERCIAL COMMERCIAL, AGE 47, 7135 TIME - 0930 N9342 F PX- 1 0 0 MAPPING/PHOTO TOTAL HOURS, UNK/NR IN DAMAGE-DESTROYED TYPE, NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION TREMONT CITY.OHIO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT OTHER COLLISION WITH GROUND/WATER UNCONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. EMERGENCY CIRCUMSTANCES - FORCED LANDING DFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- LWR COUPLING DRIVE SHAFT P/N 269A5504-3 FRACTURED AS RESULT OF REVERSE TORSIONAL FATIGUE STRESSES.

			BRIEFS	OF A	сс і	DEN	ITS					
FILE			AIRCRAFT DATA					FL IGHT PURPOS E	PILOT DATA			
		ENID, OKLA		CR - P X-				NONCOMMERCIAL PLEASURE/PERSONAL TRANSP				
	DEPARTURE ENID;OKL TYPE OF AC HARD LAN	A CIDENT	INTENDED DESTINATION LOCAL	KATED.								
	PILOT IN FACTOR(S) MISCELLA EMERGENCY	COMMAND - MISJUE NEOUS ACTS,CONDIT CIRCUMSTANCES - F	D TO MAINTAIN ADEQUATE R DGED SPEED AND ALTITUDE TIONS - IMPROPER EMERGEN PRECAUTIONARY LANDING OF SUSPECTED MECHANICAL DIS RECAUTIONARY LANDING DUE	ICY PR F AIR CREPA	OCE POR NCY	DUR T	ES	MECH DISCREPANCY.ALLOWED	ROTOR RPM TO DECAY			
3-1372	5/28/73 TIME - 182							NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	HOURS, 310 IN TYPE, NOT			
	INSTRUMENT RATED. NAME OF AIRPORT - GUYMON AIRPARK DEPARTURE POINT INTENDED DESTINATION GUYMON,OKLA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF VERTICAL ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION											
	POWERPLA MISCELLA PILOT IN PARTIAL PO EMERGENCY	NT - ENGINE CONT NEOUS ACTS,CONDI COMMAND - IMPROI WER LOSS - PARTI CIRCUMSTANCES - F	PER OPERATION OF FLIGHT AL LOSS OF POWER - 1 ENG FORCED LANDING ON AIRPOR	CONTR CONTR SINE T/SEA	DLS	NE	BAS		INKAGE OUT OF RIG.			

				S OF ACC					
FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES		FLIGHT		PILOT DATA
3-1765	8/1/73 S TIME - 0945 DEPARTURE PO SHIDLER,OK TYPE OF ACCI	HIDLER,OKLA INT LA DENT LURE OR MALFUNCT	HUGHES 269C N9662F DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 PX- 0	PHA S T A	E DI Kedi	- OPERATION -F INITIAL		COMMERCIAL, AGE 26, 1076 TOTAL HOURS, 86 IN TYPE, NOT INSTRUMENT RATED.
	MISCELLANE PILOT IN C PILOT IN C COMPLETE POW	- MAINTENANCE,SE OUS ACTS,CONDITI OMMAND - MISJUDG OMMAND - IMPROPE ER LOSS - COMPLE	RVICING,INSPECTION IN ONS - WATER IN FUEL ED SPEED AND ALTITUDE R OPERATION OF FLIGHT TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPO	CONTROL MEOUT-1	S ENG I		CED AIRCRAFT	'(OWNER-PILOT)
	KIND OF CR PILOT'S SE GOGGLES - COCKPIT CR TANK/HOPPE ELEVATION-	S IN CROP CONTRO OP - GRAIN FIELD AT BELT - FASTEN NOT USED ASHPAD - NOT INS R-LOCATION - SID AREA BEING TREAT	S ED-PROPERLY TALLED ES		TYPE GLOV CRAS CRAS TERR	OF ES - H HE H BA AIN-	CHEMICAL US - USED ELMET - AVAI AR - NOT INS -TYPE - ROLL	LABL E- US ED TALLED ING	HEMICAL-NONTOXIC
3-4048	8/16/73 S TIME - 1645	PRINGER,OKLA	EL TOMCAT MK5 Nilvh DAMAGE-SUBSTANTIAL	PX- 0			COMMERCIAL ASSOC CROP	CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 28, 2790 TOTAL HOURS, 110 IN TYPE, INSTRUMENT RATED.
	TYPE OF ACCI	KLA	INTENDED DESTINATION LOCAL R CONTROLLED				- OPERATION IGHT RETURN	I TO STRIP	
	FACTOR(S)	SE(S) OUS - UNDETERMIN HIGH OBSTRUCTION							
	KIND OF CR	S IN CROP CONTRO OP - OTHER AT BELT - FASTEN	ED-PROPERLY		TYPE GLOV	OF ES -	CHEMICAL US	SPRAYING CRO ED - LIQUID C NOT INSTALLED	HEMICAL-NONTOXIC

			BRIEF	S OF	ACCI	IDE			
FILE	DATE	LOCATION	AIRCRAFT DATA		NJUF F	S I	4/N	FLIGHT PURPOSE	PILOT DATA
	12/22/73 TIME - 0849	TUL SA, OK LA	HUGHES 269B N11XC DAMAGE-SUBSTANTIAL	С R Р X	0	0	2	INS TRUC T IONAL DUAL	ATR,FLIGHT INSTR., AGE 37, 11240 TOTAL HOURS, 1500 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AI DEPARTURE A TULSA,OKI TYPE OF ACC	LA	L INTENDED DESTINATION LOCAL		F	РНА	SE C	DF OPERATION	
		N WITH GROUND/WAT	ER UNCONTROLLED					OFF OTHER	
	DUAL STU PILOT IN	DENT - FAILED TO DENT - IMPROPER O COMMAND - INADEQ	MAINTAIN ADEQUATE ROTO PERATION OF FLIGHT CON UATE SUPERVISION OF FL AGL AFTER RUNNING TKOF	TROLS IGHT	• M •				
3-0235	1/2/73 TIME - 0930	CORVALLIS,OREG D	BELL 47G-5 N1420 DAMAGE-SUBSTANTIAL	РХ-				INS TRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 45, 9992 TOTAL HOURS, 627 IN TYPE, INSTRUMENT RATED.
	NAME OF AID DEPARTURE OF CORVALLIS TYPE OF ACC HARD LAND	S, OREG CIDENT	INTENDED DESTINATION LOCAL		F			F OPERATION NG ROLL-ON/RUN-ON	KA I EU •
	DUAL STU	DENT - MISJUDGED DENT - IMPROPER D	SPEED AND ALTITUDE PERATION OF FLIGHT CON UATE SUPERVISION OF FL						
3-0271	2/2/73 TIME - 1335	PORTLAND,OREG	BELL 47D1 N112B DAMAGE-SUBSTANTIAL	Р Х-				NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 64, 4309 Total Hours, 49 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC	HELIPORT	INTENDED DESTINATION LOCAL		F			DF OPERATION NG POWER-ON LANDING	NUT INSTRUMENT RATED.
	PROBABLE CA PILOT IN	AUSE(S) COMMAND - MISJUD				.,	101	NO . OWER ON CARDING	

FILE	DATE		AIRCRAFT DATA		F	S M/	'N		PILOT DATA			
		PILOT ROCK, OREG		CR- PX-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 39, 3518			
	DEPARTURE I PILOT ŘO TYPE OF ACC ENGINE F ROLL OVE	CK;OREG CIDENT AILURE OR MALFUNCTIO	NTENDED DESTINATION LOCAL DN									
	TERRAIN - COMPLETE PO	NT - ENGINE STRUCTUR - ROUGH/UNEVEN DWER LOSS - COMPLET	RE OTHER E ENGINE FAILURE/FLA SED LANDING OFF AIRPO				١E					
	KIND OF (PILOT'S S CRASH HEL CRASH BAL TERRAIN-T SWATH RUI	TA JRS IN CROP CONTROL JROP - GRAIN FIELDS GEAT BELT - UNKNOWN, MET - AVAILABLE-USH R - NOT INSTALLED TYPE - ROLLING N-HOW FLOWN - WIND (INK ROD NR 8 CYL FA	YNOT REPORTED Ed Calm		T G C T	YPE LOVE OCKE ANK	0F S PIT 'HO	OPERATION - FERTILIZ CHEMICAL USED - LIQU - USED CRASHPAD - NOT INSTA PPER-LOCATION - AFT O ON-AREA BEING TREATED	ID CHEMICAL-NONTOXIC LLED F PILOT			
-2593	6/21/73 NJ TIME - 1650	R.WARM SPRINGS,OREG	BELL 47G-3B N1324X DAMAGE-DESTROYED					COMMERCIAL FIRE CONTROL	COMMERCIAL, FL.INSTR., Age unk/nr, 2689 total Hours, 1368 in type, not			
	TYPE OF ACC	ROK RNGR,OREG	TENDED DESTINATION LOCAL UNCONTROLLED		Ρ	-		F OPERATION IGHT LOW PASS	INSTRUMENT RATED.			
	WEATHER - FACTOR(S)	COMMAND - FAILED TO - HIGH DENSITY ALTI		ROTOR	R.P	•M•						
			D POUR JUDGMENT CED LANDING OFF AIRPO ECTIONAL CONTROL PRO		LA	ND						
	SKY CONDIT CLEAR VISIBILITY 5 OR OVER	CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE										
	NONE WIND DIREC	NS TO VISION AT ACC TION-DEGREES	IDENT SITE			73 IND		TURE-F LOCITY-KNOTS				
	90 TYPE OF WE VFR	ATHER CONDITIONS			т	4 YPE NOI		FLĮGHT PLAN				

		BRIEFS	OF 4	ACC I	DENT	S		
DATE				F	S M/	N	PURPOSE	PILOT DATA
7/9/73 TIME - 1945 DEPARTURE PO CAVE JCTN TYPE OF ACC	CAVE JCTN, DREG	HILLER FH1100 N427FH DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL		0 0 P	0 0 HASE	1 0 0F	COMMERCIAL ASSOC FIRE CTL ACTIVI OPERATION	COMMERCIAL, AGE 33, 5250
PILOT IN (PILOT IN (FACTOR(S) MISCELLANI	COMMAND - DIVERTED COMMAND - SPATIAL EOUS ACTS,CONDITIC	DISORIENTATION DNS - AIRCRAFT CAME TO	RES1				т	
	REDMOND, OREG	MCCULLOCH J-2 N4327G DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 1	NONCOMMERCIAL PLEASURE/PERSONAL TRA	COMMERCIAL, FL.INSTR., NSP AGE 21, 462 TOTAL HOURS, IN TYPE, INSTRUMENT RATED.
ALBANY,01 TYPE OF ACC	REG I DENT	REDMOND, OREG						
PILOT IN (WEATHER - FACTOR(S)	COMMAND - INADEQUA HIGH DENSITY ALTI	ITUDE	ION 4	AND/	OR P	LAN	IN ING	
CLEAR VISIBILITY 5 OR OVER	AT ACCIDENT SITE S TO VISIÓN AT ACC	CIDENT SITE		P	UNL RECI NON EMPE 68	IMI PIT E RAT	TED ATION AT ACCIDENT SIT	E
	7/9/73 C TIME - 1945 DEPARTURE PC CAVE JCTN. TYPE OF ACC COLLISION PROBABLE CAU PILOT IN C PILOT IN C PILOT IN C FACTOR(S) MISCELLANE REMARKS- CAF 9/9/73 F TIME - 1000 DEPARTURE PC ALBANY,OF TYPE OF ACC COLLISION PROBABLE CAU PILOT IN C WEATHER - FACTOR(S) TERRAIN - SKY CONDITIC CLEAR VISIBILITY / 5 OR OVER OBSTRUCTIONS NONE	7/9/73 CAVE JCTN, OREG TIME - 1945 DEPARTURE POINT CAVE JCTN, OREG TYPE OF ACCIDENT COLLISION WITH GROUND/WATER PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED PILOT IN COMMAND - SPATIAL FACTOR(S) MISCELLANEOUS ACTS, CONDITION REMARKS- CARRYING WATER TO FIND 9/9/73 REDMOND, OREG TIME - 1000 DEPARTURE POINT ALBANY, OREG TYPE OF ACCIDENT COLLISION WITH GROUND/WATER PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUA WEATHER - HIGH DENSITY ALT FACTOR(S) TERRAIN - HIGH DESTRUCTIONS SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACC NONE	DATELOCATIONAIRCRAFT DATA7/9/73CAVE JCTN,OREGHILLER FH1100TIME - 1945N427FHDAMAGE-SUBSTANTIALDEPARTURE POINTINTENDED DESTINATIONCAVE JCTN,OREGLOCALTYPE OF ACCIDENTCOLLISION WITH GROUND/WATERUNCONTROLLEDPROBABLE CAUSE(S)PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERAPILOT IN COMMAND - SPATIAL DISORIENTATIONFACTOR(S)MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TOREMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NO9/9/73REDMOND,OREGMCCULLOCH J-2TIME - 1000N4327GDAMAGE-SUBSTANTIALDEPARTURE POINTINTENDED DESTINATIONALBANY,OREGREDMOND,OREGTYPE OF ACCIDENTCOLLISION WITH GROUND/WATERCONTROLLEDPROBABLE CAUSE(S)PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATIWEATHER - HIGH DENSITY ALTITUDEFACTOR(S)TERRAIN - HIGH DBSTRUCTIONSSKY CONDITIONCLEARVISIBILITY AT ACCIDENT SITESOR OVEROBSTRUCTIONS TO VISION AT ACCIDENT SITENONE	DATELOCATIONAIRCRAFT DATAIN7/9/73CAVE JCTN, OREGHILLER FH1100CR-TIME - 1945N427FHPX-DAMAGE-SUBSTANTIALDEPARTURE POINTINTENDED DESTINATIONCAVE JCTN, OREGLOCALTYPE OF ACCIDENTCOLLISION WITH GROUND/WATERUNCONTROLLEDPROBABLE CAUSE(S)PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATIONPILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATIONPILOT IN COMMAND - SPATIAL DISORIENTATIONFACTOR(S)MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO RESTREMARKS- CARRYING WATER TO FIRE. DSTRCTD BY LOUD NOISE.9/9/73REDMOND, OREGMCCULLOCH J-2CR-TIME - 1000N4327GPX-DAMAGE-SUBSTANTIALDEPARTURE POINTINTENDED DESTINATIONALBANY, OREGREDMOND, OREGTYPE OF ACCIDENTCONTROLLEDPROBABLE CAUSE(S)PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION /WEATHER - HIGH DENSITY ALTITUDEFACTOR(S)TERRAIN - HIGH DBSTRUCTIONSSKY CONDITIONCLEARVISIBILITY AT ACCIDENT SITE5 OR OVEROBSTRUCTIONS TO VISION AT ACCIDENT SITENONEOBSTRUCTIONS TO VISION AT ACCIDENT SITE	DATE LOCATION AIRCRAFT DATA INJUR 7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-0 TIME - 1945 N427FH PX-0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL TYPE OF ACCIDENT PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF PILOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN REMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NOISE. 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-0 TIME - 1000 N4327G PX-0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG REDMOND, OREG PX-0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG REDMOND, OREG PX-0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG REDMOND, OREG PX-0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG REDMOND, OREG PX-0 DAMAGE-SUBSTANTIAL <t< td=""><td>DATE LOCATION AIRCRAFT DATA INJURIES 7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-000 TIME - 1945 N427FH PX-000 DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL TYPE OF ACCIDENT INTENDED DESTINATION CAVE JCTN, OREG LOCAL TYPE OF ACCIDENT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PHOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PLOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PLOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WAT REMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NOISE. 0 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-00 TIME - 1000 N4327G PX-00 0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG TYPE OF ACCIDENT INTENDED DESTINATION ALBANY, OREG PHASE COLLISION WITH GROUND/WATER CONTROLLED IN PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR P <td>7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-0001 TIME - 1945 N427FH PX-0000 DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PHASE OF COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- CARRYING WATER TO FIRE. DSTRCTD BY LOUD NOISE. 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-001 NHMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG PYPE OF ACCIDENT INTENDED DESTINATION ALBANY, OREG PHASE OF COLLISION WITH GROUND/WATER CONTROLLED IN FLI PROBABLE CAUSE(S) PHASE OF OO1 PHOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLAN WEATHER - HIGH DENSITY ALTITUDE FACTOR(S) TERRAIN - HIGH DESTRUCTIONS CEILING SKY CONDITION CEILING UNLIMI VISIBILITY AT ACCIDENT SITE PRECIPIT SOR OVER NONE 68</td><td>DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT 7/9/73 CAVE JCTN, DREG HILLER FH1100 CR-0001 COMMERCIAL TIME - 1945 N427FH PX-0000 ASSOC FIRE CTL ACTIVI DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PROBABLE CAUSE(S) PHASE OF OPERATION TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NOISE. 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-001 01 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 1 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 0 1 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 1 NEGENESCONCONTROLLED 1 NEGENESC</td></td></t<>	DATE LOCATION AIRCRAFT DATA INJURIES 7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-000 TIME - 1945 N427FH PX-000 DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL TYPE OF ACCIDENT INTENDED DESTINATION CAVE JCTN, OREG LOCAL TYPE OF ACCIDENT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PHOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PLOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRC PLOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WAT REMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NOISE. 0 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-00 TIME - 1000 N4327G PX-00 0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG TYPE OF ACCIDENT INTENDED DESTINATION ALBANY, OREG PHASE COLLISION WITH GROUND/WATER CONTROLLED IN PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR P <td>7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-0001 TIME - 1945 N427FH PX-0000 DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PHASE OF COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- CARRYING WATER TO FIRE. DSTRCTD BY LOUD NOISE. 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-001 NHMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANY, OREG PYPE OF ACCIDENT INTENDED DESTINATION ALBANY, OREG PHASE OF COLLISION WITH GROUND/WATER CONTROLLED IN FLI PROBABLE CAUSE(S) PHASE OF OO1 PHOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLAN WEATHER - HIGH DENSITY ALTITUDE FACTOR(S) TERRAIN - HIGH DESTRUCTIONS CEILING SKY CONDITION CEILING UNLIMI VISIBILITY AT ACCIDENT SITE PRECIPIT SOR OVER NONE 68</td> <td>DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT 7/9/73 CAVE JCTN, DREG HILLER FH1100 CR-0001 COMMERCIAL TIME - 1945 N427FH PX-0000 ASSOC FIRE CTL ACTIVI DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PROBABLE CAUSE(S) PHASE OF OPERATION TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- CARRYING WATER TO FIRE.DSTRCTD BY LOUD NOISE. 9/9/73 REDMOND, OREG MCCULLOCH J-2 CR-001 01 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 1 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 0 1 PLEASURE/PERSONAL TRADAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION ALBANYOREG REDMOND, OREG PX-0001 1 NEGENESCONCONTROLLED 1 NEGENESC</td>	7/9/73 CAVE JCTN, OREG HILLER FH1100 CR-0001 TIME - 1945 N427FH PX-0000 DEPARTURE POINT INTENDED DESTINATION CAVE JCTN, OREG LOCAL PHASE OF COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - SPATIAL DISORIENTATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- CARRYING WATER TO FIRE. 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			BRIEFS	OF A	CC 1	IDEN	ITS		
FILE	DATE	LOCATION	AIRCRAFT DATA					FL IGHT PURPOSE	PILOT DATA
3-0332	TIME - 13	POINT IN A ACCIDENT	BELL 206A N8030 DAMAGE-SUBSTANTIAL ITENDED DESTINATION CHARLEROI,PA	CR- PX-	0	0 2 A H S	з БЕ (DEMONSTRATION DF OPERATION	COMMERCIAL, AGE 27, 4639 TOTAL HOURS, 405 IN TYPE NOT INSTRUMENT RATED.
	FACTOR(S) MISCELL	IN COMMAND - MISJUDGED ANEOUS ACTS,CONDITION AFCT STRUCK GROUND HA	IS - SIMULATED CONDIT		STE	ED F	PIL)	DT TO DEMONSTRATE	E AUTOROTATION DSCNT.
3-0530	4/17/73 TIME - 10	PHILADELPHIA,PA)25	ENSTROM F-28A N9562 DAMAGE-SUBSTANTIAL					INS TRUCTIONAL CHECK	COMMERCIAL, FL.INSTR., AGE 24, 2845 TOTAL HOURS, 300 IN TYPE, INSTRUMENT
	RATED. NAME OF AIRPORT - N PHILADELPHIA DEPARTURE POINT INTENDED DESTINATION PHILADELPHIA,PA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING								
	CHECK P	CAUSE(S) PILOT - IMPROPER LEVEL PILOT - MISJUDGED ALTI WIND GUSTING 21K.TAIL	TUDE	•					

				OF AC					
FILE	DATE	LOCATION	AIRCRAFT DATA	I NJ F	UR			FL IGHT PURPOSE	PILOT DATA
	4/29/73 TIME - 151	CENTR SQUARE, PA	ENSTROM F-28A N9589 DAMAGE-SUBSTANTIAL	CR-	0 0	0 0	1 1	NONCOMMERCIAL PLEASURE/PERSONAL TRAN	COMMERCIAL, AGE 26, 1470 SP TOTAL HOURS, 4 IN TYPE, INSTRUMENT RATED.
	DEPARTURE AMBLER, TYPE OF AC	ΡΑ	NTENDED DESTINATION LOCAL					F OPERATION IGHT HOVERING	
	PILOT IN FACTOR(S) WEATHER WEATHER BR	AUSE(S) N COMMAND - DIVERTED N COMMAND - MISJUDGE - UNFAVORABLE WIND RIEFING - NO BRIEFIN RECAST - UNKNOWN/NO	CONDITIONS G RECEIVED	TION O	F	AIRC	RA	FT	
	5 OR OVE OBSTRUCTIC NONE	AT ACCIDENT SITE	IDENT SITE		PI TI	UNL RECI NON EMPE 70 IND	IM PI E RA	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITE TURE-F LOCITY-KNOTS	
		ATHER CONDITIONS			T	20 YPE NON	_	FLIGHT PLAN	
3-2335	8/17/73 TIME - 105	STOCKERTOWN,PA 8	BELL 47D1 N2795A DAMAGE-SUBSTANTIAL					COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 2930 TOTAL HOURS, 2745 IN TYPE, NOT INSTRUMENT
	DEPARTURE STOCKERT TYPE OF AC COLLIDEC	OWN, PA	NTENDED DESTINATION LOCAL		PI			F OPERATION IGHT PULLUP FROM SWATH	RATED.
	FACTOR(S)		O SEE AND AVOID OBJEC	TS OR	OB :	STRU	ст	IONS	
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOF ELEVATIC PROCEDUF	DURS IN CROP CONTROL CROP - BEANS SEAT BELT - UNKNOWN - NOT USED CRASHPAD - NOT INST PPER-LOCATION - SIDE DN-AREA BEING TREATE RE TURNAROUND - ENTR	/NOT REPORTED AllED S	RGOT TE	T GI CI TI SI	YPE LOVE RASH RASH ERRA WATH	OF S I H I B I N I R	DPERATION - SPRAYING C CHEMICAL USED - LIQUID - NOT ÚSED ELMET - AVAIALABLE-NOT AR - NOT INSTALLED -TYPE - LEVEL,FLAT UN-HOW FLOWN - WIND CAL E WAS THERE.	CHEMICAL-NONTOXIC USED

____ AIRCRAFT DATA ELE DATE LOCATION TN HIRTES FLIGHT PTIOT DATA E S M/N PURPOSE _____ 3-3996 9/28/73 MILESBURG.PA **BELL 206B** CR- 0 0 1 MISCELLANEOUS COMMERCIAL, FL.INSTR., TIME - 1115 N7079.1 PX- 0 0 1 POLICE PATROL AGE 28. 905 TOTAL HOURS DAMAGE-SUBSTANTIAL 94 IN TYPE, NOT INSTRUMENT RATED. INTENDED DESTINATION DEPARTURE POINT MILESBURG, PA TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALEUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- CRACKED PITCH TO CLR FENCE LOST ROTOR SPEED RDCD EWD SPEED NEAR ZERO ABT 15ET AGL APLD FULL COLL. 3-3021 10/9/73 NEMACOLIN, PA SIKORSKY S-55B CR- 0 2 0 MISCELLANEOUS COMMERCIAL. FL.INSTR... TIME - 1815 N414A PX-1 0 0 FERRY AGE 29. 3935 TOTAL HOURS. DAMAGE-DESTROYED 93 IN TYPE. NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION WAYNESBURG, PA NEMACOL IN, PA TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED LANDING FINAL APPROACH PROBABLE CAUSE(S) MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT WEATHER - OBSTRUCTIONS TO VISION TERRAIN - HIGH OBSTRUCTIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 3 MILES OR LESS NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TYPE OF WEATHER CONDITIONS HA ZE VFR TYPE OF FLIGHT PLAN NONE FIRE AFTER IMPACT REMARKS- CP MISTOOK SURVEYED LDG SITE DUE DUSK & HAZE.PLT HAD TO AVOID PWR LINES.LOST CTL.HIT STEEL BOLLARD

				S OF AC	CIDE	NTS		
	DATE	LOCATION	AIRCRAFT DATA	F	S	M/N	PURPOSE	PILOT DATA
				CR- PX-			COMMERCIAL MAPPING/PHOTO	
	WASHIN TYPE OF A	GTON, PA	INTENDED DESTINATION LOCAL				DF OPERATION _IGHT NORMAL CRUISE	
	MISCELL FACTOR(S) MISCELL MISCELL MISCELL FIRE AFTE	E - FUSELAGE OTHER ANEOUS ACTS,CONDITI ANEOUS ACTS,CONDITI ANEOUS ACTS,CONDITI ANEOUS ACTS,CONDITI R IMPACT	ONS - FATIGUE FRACTUR	ION	RS T	0 AF	REA IN 1969.	
3-3486		WEBSTER,PA 25	BELL 206A N461NC DAMAGE-DESTROYED	РХ- () ()	0	NONCOMMERCIAL Corp/exec	COMMERCIAL, AGE 29, 2493 TOTAL HOURS, 150 IN TYPE, INSTRUMENT RATED.
	DEPARTURE CONNEL TYPE OF A COLLISI PROBABLE PILOT I	LSVILLE,PA CCIDENT ON WITH AIRCRAFT B CAUSE(S) N COMMAND - FAILED	INTENDED DESTINATION W.MIFFLIN,PA	R AIRCR	PHA I AFT	SE (NFI	DF OPERATION LIGHT NORMAL CRUISE	
	CONTROL TRAFFIC CONTROL ANTI-CO	S OF AVIATION INVOL LING AGENCY - UNKNC ADVISORY ISSUED - ZONE/AREA - NO	UNKNOWN/NOT REPORTED		R A D C O N	AR (IOWN/NOT REPORTED RT - UNCONTROLLED AIRPORT

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FILE		OCATION	AIRCRAFT DATA		JUR F	IES S M/	N .	FL IGHT PURPOSE		PILOT DATA
	7/13/73 NR.WAGE TIME - 1800	NER, SC	HUGHES 269B	С R- Р X	0	0 0	1 0	COMMERCIAL ASSOC CROP	CTL ACTIVITY	TYPE, NOT INSTRUMENT
	DEPARTURE POINT WAGENER,SC TYPE OF ACCIDENT ENGINE FAILURE ROLL OVER		NTENDED DESTINATION LOCAL DN		Ρ	IN	FLI	OPERATION GHT EN ROU G ROLL-ON	JTE TO TREAT CI	RATED.
	TERRAIN - ROUG FACTOR(S) MISCELLANEOUS PARTIAL POWER LO	ISCELLANEOUS H/UNEVEN ACTS,CONDITIO SS - PARTIAL	POWERPLANT FAILURE F NS - LOAD NOT JETTISC LOSS OF POWER - 1 ENC CED LANDING OFF AIRPO	DNED GINE			NED	REASONS		
		COTTON ELT - NOT FAS USED AD - NOT INST CATION - SIDE BEING TREATE	TENED		KIND OI TYPE OI GLOVES CRASH I CRASH I TERRAII			CHEMICAL US NOT USED LMET - AVA R - NOT INS TYPE - LEVI		HEMICAL-TOXIC
3-2164	8/4/73 NR.BENN TIME - 1000	ETTSVILLE,SC	BELL 47D-1 N1MH Damage-Substantial	PX-				COMMERCIAL ASSOC CROP	CTL ACTIVITY	COMMERCIAL, AGE 30, 3850 TOTAL HOURS, 1015 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT BENNETTSVILLE, TYPE OF ACCIDENT HARD LANDING GROUND-WATER L	SC	NTENDED DESTINATION LOCAL		Ρ	LAN	DIN	OPERATION G POWER-OP G OTHER	N LANDING	KATED.
		ND - MISJUDGE	D SPEED AND ALTITUDE NS - PREVIOUS DAMAGE							
	SPECIAL DATA TOTAL HOURS IN KIND OF CROP – PILOT'S SEAT B GOGGLES – NOT COCKPIT CRASHP TANK/ HOPPER-LO ELEVATION-AREA REMARKS- PLT LOS	COTTON ELT - FASTENE USED AD - NOT INST CATION - SIDE BEING TREATE	D-PROPERLY ALLED S	R DMG	T G C C T	YPE LOVE RASH RASH ERRA	DF S – HE BA IN–	CHEMICAL US USED LMET - AVAI R - NOT INS TYPE - LEVI		

			BRIEF							•
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	IJUF F	RIES S M	/N	FLIGHT ₽URPOSE		PILOT DATA
		LZELL, SC	BELL 47G-2	C R P X	0	0	1	COMMERCIAL		
	DEPARTURE PO DALZELL,SC TYPE OF ACCIE							F OPERATION FF VERTICA		
	FACTOR(S) MISCELLANED	MMAND - MISJUDGI DUS ACTS,CONDITIO	ED CLEARANCE DNS - CONGESTED RAMP/ HIT SPRAY BOOM OF OTR			RKED	AD	JACENT. MIN	DR DMG TO OTR 4	NCFT. NO LOAD ABD.
3-0973	4/25/73 HL TIME - 0955	MBOLDT, TENN	BELL 47G-4 N2245W DAMAGE-DESTROYED	CR- PX-	0 0	0	1 0	MISCELLANE OTHER PUBL	DUS IC	COMMERCIAL, AGE 40, 6550 TOTAL HOURS, 4000 IN TYPE, NOT INSTRUMENT RATED.
	JACKSON, TE	NN	INTENDED DESTINATION LOCAL					F OPERATION		
		URE OR MALFUNCT						IGHT OTHER IGHT AUTORI	DTATIVE DESCEN	r :

				S OF A0					
FILE		LOCATION	AIRCRAFT DATA	I NJ F	JUR F	IES S M	1/ N	FL IGHT PURPOS E	PILOT DATA
		HIS, TENN	HUGHES 269A N8885F DAMAGE-SUBSTANTIAL	CR PX	0	0	2	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 24, 1958 TOTAL HOURS, 134 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AIRPORT DEPARTURE POINT MEMPHIS,TENN TYPE OF ACCIDEN ENGINE FAILUR HARD LANDING	I	NTENDED DESTINATION WALLS,MISS DN		Ρ	IN	I FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	TI VE LANDING
	ROTORCRAFT - MISCELLANEOUS PILOT IN COMM PARTIAL POWER L EMERGENCY CIRCU	AINTENANCE, SER TRANSMISSION R ACTS, CONDITIO IAND - MISJUDGE OSS - PARTIAL IMSTANCES - FOR	OTOR DRIVE SYSTEM O NS - IMPROPERLY INST D SPEED AND ALTITUDE LOSS OF POWER - 1 EN CED LANDING OFF AIRPO	THER ALLED GINE DRT ON	LA	ND		ANCE (MAINTENANCE PERS	
3-3438	11/1/73 MILL TIME - 1330	INGTON, TENN	HUGHES 269B N9570F DAMAGE-DESTROYED					MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 31, 4850 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT WEST MEMPHIS TYPE OF ACCIDEN FIRE OR EXPLO	, ARK	NTENDED DESTINATION LOCAL T		Ρ			IF OPERATION IGHT HOVERING	
	FACTOR(S) MISCELLANEOUS FIRE AFTER IMPA	- UNDETERMINE ACTS, CONDITIO	NS - FIRE IN ENGINE	TRIC FU	JEL	BC)0ST	PUMP BADLY BURNED IN	AREA OF INTENSE FIRE.
3-0160	TIME - 1145	AS, TEX	BELL 47G-5 N1365X DAMAGE-SUBSTANTIAL					NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 26, 890 TOTAL HOURS, 33 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT DEPARTURE POINT DALLAS,TEX TYPE OF ACCIDEN COLLISION WIT	I	NTENDED DESTINATION LOCAL . CONTROLLED		Ρ			F OPERATION NG OTHER	ì
	FACTOR(S) MISCELLANEOUS	AND - MISJUDGE	D ALTITUDE AND CLEAR) NS - SIMULATED CONDI RY FROM PRACTICE AUT(TIONS	ION				

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			BRIEFS						
FILE		LOCATION	AIRCRAFT DATA			RIES S M		FL IGHT PURPOSE	PILOT DATA
		INGEN, TEX		CR-				INS TRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 25, 1350 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMEN RATED.
	NAME OF AIRPORT DEPARTURE POINT HARLINGEN,TE> TYPE OF ACCIDEN NOSE OVER/DOM	I S	NDUST NTENDED DESTINATION LOCAL		F			IF OPERATION NG POWER-OFF AUTOROTATI	
	FACTOR(S) AIRPORTS/AIRW MISCELLANEOUS	AND - SELECTED AYS/FACILITIES ACTS,CONDITIO	UNSUITABLE TERRAIN - AIRPORT CONDITIONS NS - SIMULATED CONDIT N. R SKI DUG INTO SOF	IONS					
3-0057	2/10/73 ROBS TIME - 1410	TOWN,TEX	BELL 47G N3740G DAMAGE-SUBSTANTIAL					NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 41, 5420 TOTAL HOURS, 2013 IN TYPE, NOT INSTRUMENT
	NAME OF AIRPORT DEPARTURE POINT ROBSTOWN,TEX TYPE OF ACCIDEN COLLIDED WITH ROLL OVER	I	NTENDED DESTINATION LOCAL		Ρ	IN	I FL	F OPERATION IGHT POWER-ON DESCENT NG POWER-ON LANDING	RATED.
	FACTOR(S) MISCELLANEOUS	AND - MISJUDGE	D SPEED AND CLEARANCE NS - NOT ALIGNED WITH NOT ALIGNED, SKIDDED	I RUNW				ED LANDING AREA HIT TRAILER PLT LOST DI	IR CTL.
3-0651	TIME - 1000	ANTON IO, TEX	BELL 47G N2772 DAMAGE-SUBSTANTIAL					INS TRUC TIONAL TRAINING	COMMERCIAL, AGE 29, 202 TOTAL HOURS, 21 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT DEPARTURE POINT SAN ANTONIO,T TYPE OF ACCIDEN PROPELLER/ROT HARD LANDING	I	NTENDED DESTINATION LOCAL IN ROTOR		F	IN	FL	F OPERATION IGHT HOVERING NG POWER-OFF AUTOROTATI	I VE LANDING
	ROTORCRAFT - MISCELLANEOUS EMERGENCY CIRCU	AINTENANCE,SER TRANSMISSION R ACTS,CONDITIO MSTANCES - FOR	OTOR DRIVE SYSTEM MA NS - MATERIAL FAILURE CED LANDING ON AIRPOR	NIN RC E RT/SEA	PLA	GE NE	AR BAS		

			BRIEF	S OF 4	CC I	DEN	٢S					
FILE	DATE	LOCATION	AIRCRAFT DATA	۰. ۱۸	JUR F	IES S M/	' N	FL IGHT PURPOS E	PILOT DATA			
3-0850	5/1/73 TIME - 0	NR.UVALDE,TEX 910	HUGHES 269A N8774F DAMAGE-DESTROYED	С R — Р X —	1 0	1 0	0	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, FL.INSTR., AGE 34, 4743 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTUR UVALDE	E POINT]	INTENDED DESTINATION						INSTRUMENT RATED.			
	TYPE OF	ACCIDENT ED WITH WIRES/POLES						DF OPERATION IGHT LOW PASS				
	PILOT FACTOR(S)	O SEE AND AVOID OBJE	CTS OF	OB	STRI	JCT	IONS				
	TERRAI	IN COMMAND - MISJUDGE N - HIGH OBSTRUCTIONS LIVESTOCK SURVEY. HI		ABOVE	RIV	ERE	ED					
3-1022	TIME - 1	830 E POINT I	N5328V DAMAGE-DESTROYED INTENDED DESTINATION						COMMERCIAL, AGE 27, 2670 TOTAL HOURS, 330 IN TYPE, INSTRUMENT RATED.			
		ACCIDENT ED WITH CROP	LOCAL		PHASE OF OPERATION IN FLIGHT SWATH RUN							
	PILOT PILOT FACTOR(S	IN COMMAND - IMPROPER) ATTENTION FROM OPER OPERATION OF FLIGHT				RA;	FT				
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 300 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 800 REMARKS- PLT WAS SPRAYNG 6FT ABOVE CROPS.DRG INSTRUME						KIND DF DPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - CROSSWIND					

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			BRIEFS						
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	RIES		FLIGHT	PILOT DATA
3-1376	5/21/73 TIME - 1745	DECATUR, TEX	BELL 47D1 N74121 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 51, 7563 TOTAL HOURS, 425 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE F DECATUR, TYPE OF ACC	PORT - DECATOR POINT : EX IDENT NLURE OR MALFUNCT	INTENDED DESTINATION LOCAL			PHAS II	E O	F OPERATION IGHT PROCEDURE TURNARC NG POWER-OFF AUTOROTAT	DUND
	PILOT IN MISCELLAN FACTOR(S) POWERPLAN TERRAIN - COMPLETE PO	COMMAND - INADEQU COMMAND - MISMANA IEDUS ACTS,CONDITI IEDUS - EVASIVE MA IT - POWERPLANT-IN - HIGH OBSTRUCTION OWER LOSS - COMPLE	ONS – FUEL EXHAUSTION NEUVER TO AVOID COLLIS STRUMENTS FUEL QUANTI	ION TY GA	UGE 1 E	≡ ≡ng∶		NN I NG	
	KIND OF (PILOT'S S GOGGLES - COCKPIT (TANK/HOPI ELEVATIO PROCEDUR(JRS IN CROP CONTRO CROP - GRAIN FIELD GEAT BELT - FASTEN - NOT USED CRASHPAD - NOT INS PER-LOCATION - SID - AREA BEING TREAT T URNAROUND - THI	S ED-PROPERLY TALLED ES ED-FEET - 1059 RD 1/3 OF TURN		TYPE OF GLOVES - CRASH HI CRASH BA TERRAIN- SWATH RU			OPERATION - SPRAYING C CHEMICAL USED - LIQUID - USED IELMET - AVAILABLE-USED AR - NOT INSTALLED -TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSWIN OST M/R RPM.FUEL GAGE 1	O CHEMICAL-TOXIC
3-1190	TIME - 0730		BELL 47G-4A N4062G DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- PX-	0 0	0 0	1 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 27, 3577 Total Hours, 276 IN TYPE, INSTRUMENT RATED.
	BORGER,TI TYPE OF AC	X	LOCAL					F OPERATION IGHT OTHER	
	FACTOR(S) TERRAIN	COMMAND - MISJUDG - ROUGH/UNEVEN	ED CLEARANCE UP TAIL ROTOR STRUCK	SAND	нII	LL.			

			BRIEFS	5 OF 4	CCIDE	N TS		
FILE	DATE		AIRCRAFT DATA		E S	M / N		PILOT DATA
		GAINESVILLE, TEX		С R — Р X—				COMMERCIAL, FL.INSTR., AGE 29, 2377 TOTAL HOURS, 135 IN TYPE, INSTRUMENT RATED.
	DEPARTURE F	LE,TEX CIDENT	E MUN NTENDED DESTINATION LOCAL				DF OPERATION NG POWER-OFF AUTORDTATIN	re Landing
	PILOT IN FACTOR(S)	COMMAND - MISJUDGE COMMAND - IMPROPER						
			DNS - SIMULATED CONDI D LOW.M/R BLADES HIT T		RIVE S	HAFI	•PRACTICE AUTOROTATION•	
3 - 1245	6/29/73 TIME - 1750	PETRONILA,TEX D	BELL 47G-4A N1492W DAMAGE-DESTROYED				COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 2180 TOTAL HOURS, 405 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PETRONIL	A,TEX	INTENDED DESTINATION					
	TYPE OF ACC COLLISION	CIDENT N WITH GROUND/WATER	CONTROLLED				DF OPERATION .IGHT STARTING SWATH RUN	
	PILOT IN FACTOR(S)	COMMAND - MISJUDGE COMMAND - PHYSICAL	ED SPEED AND ALTITUDE . IMPAIRMENT DNS - PILOT FATIGUE					
	KIND OF C PILOT'S S GOGGLES - COCKPIT C TANK/HOPF ELEVATION PROCEDURE	JRS IN CROP CONTROL CROP - COTTON SEAT BELT - FASTENE - NOT USED CRASHPAD - NOT INST PER-LOCATION - AFT -AREA BEING TREATE E TURNAROUND - THIF	D-PROPERLY ALLED OF PILOT D-FEET - 50		T YP GLO CRA CRA TER	E OF VES SH F SH B RAIN	OPERATION - SPRAYING CRO CHEMICAL USED - LIQUID C HELMET - AVAIALABLE-NOT US HAR - NOT INSTALLED H-TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSWIND	HEMICAL-TOXIC
	FIRE AFTER REMARKS - PL		BECAME ILL IN FLT.7	IRS FL	.Т ТІМ	E ON	N DAY OF ACCIDENT.	

			BRIEF	S OF A	CCI	IDE	NTS			
FILE			AIRCRAFT DATA		-	c	M / N	1	FLIGHT PURPOSE	PILOT DATA
		R.ALPINE, TEX	HUGHES 269A		0	0	1	MISC	CELLAN EOUS	COMMERCIAL, AGE 44, 15000 TOTAL HOURS, 7010 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE ALPINE,T TYPE OF AC MISCELLA COLLISIO	EX CIDENT NEOUS	INTENDED DESTINATION LOCAL R UNCONTROLLED			I	N FL	IGHT	ERATION OTHER UNCONTROLLED DE	
	MISCELLA MISCELLA ROTORCRA	COMMAND - OPERATE NEOUS - FOREIGN MA NEOUS ACTS,CONDITI FT - FLIGHT CONTRO	TERIAL AFFECTING NORM ONS - INTERFERENCE WI L SYSTEMS CYCLIC PIT	TH FLIC	GHT	Г С DL	ONT P S YS 1	ΈM	SES UNDER SEAT AT	CYCLIC CONT MECHANISM
3-1683	7/13/73 TIME - 083	SEALEY,TEX 0	BELL 47D1 N9713C Damage-Substantial	Р X					MERCIAL IAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 43, 13800 TOTAL HOURS, 10000 IN TYPE, INSTRUMENT RATED.
	DEPARTURE SEALEY,T TYPE OF AC TURBULEN COLLISIO	EX CIDENT	INTENDED DESTINATION LOCAL R UNCONTROLLED			I	N FL	IGHT	ERATION FLAREOUT FOR SW UNCONTROLLED DE	
	MISCELLA FACTOR(S)	COMMAND - FAILED NEOUS - VORTEX TUR	TO MAINTAIN ADEQUATE BULENCE R IN-FLIGHT DECISIONS							
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO PROCEDUR	URS IN CROP CONTRO CROP - GRAIN FIELD SEAT BELT - FASTEN - NOT USED CRASHPAD - NOT INS PER-LOCATION - SID N-AREA BEING TREAT E TURNAROUND - THI	S ED-PROPERLY TALLED ES ED-FEET - 400	.UN•		TYP GLO CRA CRA TER	E OF VES SH F SH E RAIN	ELME AR - NO ELME AR - TYP	RATION - SPRAYING MICAL USED - LIQU T USED T - AVAIALABLE-NC NOT INSTALLED E - LEVEL,FLAT OW FLOWN - WIND C	JID ĈHEMICAL-NONTOXIC DT USED

FILE		LOCATION	AIRCRAFT DATA	INJ F	UR	IES S M	/ N	FL IGHT PURPOSE	PILOT DATA
	7/13/73 TIME - 1330	DUBLIN, TEX	HILLER UH-12A N6448D DAMAGE-SUBSTANTIAL	C R- P X -					COMMERCIAL, AGE 23, 2010 TOTAL HOURS, 44 IN TYPE, NOT INSTRUMENT RATED.
	DUBLIN,TE TYPE OF ACC	EX CIDENT WITH WIRES/POLES	NTENDED DESTINATION LOCAL		Р	TA	ĸео	F OPERATION FF INITIAL CLIMB NG LEVEL OFF/TOUCHDO	ими
	PILOT IN	COMMAND - MISJUDGE COMMAND - MISJUDGE	D SPEED AND ALTITUDE	VE BRK	W	IRE	s.D	URNG LND TAIL BOOM SE	EVRD.
-2365	7/22/73 TIME - 1130	SPRINGTOWN,TEX)	HILLER ACFT UH-12A <u>N</u> 8145H DAMAGE-SUBSTANTIAL					MISCELLAN EOUS FERRY	COMMERCIAL, AGE 41, 6142 Total Hours, 1475 IN Type, not InStrument
	BOYD,TEX TYPE OF ACC ENGINE FA	<	NTENDED DESTINATION MILLSAP,TEX DN		P	IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTORO1	RATED. TATIVE LANDING
	MISCELLAN MISCELLAN MISCELLAN TERRAIN - COMPLETE PO EMERGENCY C	NT - FUEL SYSTEM P NEOUS ACTS,CONDITIO NEOUS - FOREIGN MAT NEOUS ACTS,CONDITIO - OTHER WER LOSS - COMPLET CIRCUMSTANCES - FORM	NS - SHEARED ERIAL AFFECTING NORMA NS - FUEL STARVATION E ENGINE FAILURE∕FLAM CED LANDING OFF AIRPC	EOUT-1 RT ON	E	NG I ND	NE	E SHAFT.LND ON SLOPIN	IG PLOWED FLD.HIT STUMP
-2171	TIME - 0920		N17121 DAMAGE-SUBSTANTIAL					MISCELLANEOUS POLICE PATROL	PRIVATE, AGE 25, 110 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE P HARLINGEN TYPE OF ACC	I,TEX	NTENDED DESTINATION LOCAL					F OPERATION IGHT HOVERING	
	PILOT IN FACTOR(S)	COMMAND - IMPROPER COMMAND - FAILED T	OPERATION OF FLIGHT D MAINTAIN ADEQUATE F FAMILIARITY WITH AIRC	OTOR R					

				S OF ACC	IDEN	NT S			
FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES	5 1/N	FL IGHT PURPOSE	PILOT DATA	
3-2207	8/23/73 TIME - 18	HART,TEX 00	HUGHES 269B N9341F DAMAGE-DESTROYED	CR- 0 PX- 0 OT- 1	0 0 0	1 0 0	COMMERCIAL ASSOC CROP CTL AG	COMMERCIAL, FL.INS ACTIVITY AGE 29, 3100 TOTAL 2500 IN TYPE, NOT MENT RATED.	STR., HOURS, INSTRU-
	DEPARTURE HART,TE TYPE OF A PROPELLI	CCIDENT ER/ROTOR FAILURE	INTENDED DESTINATION LOCAL		LÁ	NDI	F OPERATION NG POWER-ON LAND NG OTHER		
	ROTORCR. MISCELL MISCELL FACTOR(S) MISCELL	EL - MAINTENANCE,SE AFT - TRANSMISSION ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT	ERVICING,INSPECTION ROTOR DRIVE SYSTEM IONS - DISCONNECTED IONS - MISSING IONS - SEPARATION IN F DRCED LANDING OFF AIRF	TAIL ROTO	RDF			STION	
	SPECIAL D TOTAL H KIND OF PILOT'S GOGGLES COCKPIT TANK/HO REMARKS-	DURS IN CROP CONTRO CROP - CORN SEAT BELT - FASTEM - NOT USED CRASHPAD - NOT INS PPER-LOCATION - UNH	DL – 2200 NED-PROPERLY STALLED KNOWN/NOT REPORTED LOWD T/R SHAFT SEPARAT	TION•ACFT	KINE TYPE GLOV CRAS CRAS ELEV ROTA	0 OF E OF /ES SH H SH B /ATI ATEC	OPERATION - SPRA CHEMICAL USED - I - NOT USED ELMET - AVAILABLE- AR - NOT INSTALLE ON-AREA BEING TRE/ R,HIT TRUCK. M/R	AYING CROPS LIQUID CHEMICAL-TOXIC E-USED ED EATED-FEET - 3500 R BLADE HIT GRND CREWMAN.	
3-3200			BELL 206B N58090 DAMAGE-SUBSTANTIA	CR- 0 PX- 0	0 0	1 0	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 28, 2 TOTAL HOURS, 1250 TYPE, NOT INSTRUME RATED.	IN
	DEPARTURE AMARIL TYPE OF A	FAILURE OR MALFUNC	INTENDED DESTINATION COLDWATER RANCH,T		IN	FL	F OPERATION IGHT NORMAL CRUI! NG POWER-OFF AUTO	ISE Torotative landing	
	PILOT I FACTOR(S) PILOT I COMPLETE EMERGENCY	ANT – MISCELLANEOUS N COMMAND – MISJUDO N COMMAND – IMPROPI POWER LOSS – COMPLE CIRCUMSTANCES – FO	5 POWERPLANT FAILURE GED SPEED AND ALTITUD ER OPERATION OF FLIGH ETE ENGINE FAILURE/FL/ DRCED LANDING OFF AIR FOUND.PLT EXPD A SLIG	E T CONTROL AMEOUT-1 PORT ON L	.S ENGI AND	[NE		T AND BEEPER CAME ON.	

BRIEFS OF ACCIDENTS <u>`</u> FILE DATE LOCATION AIRCRAFT DATA INJURIES FL IGHT PILOT DATA F SM/N PURPOSE 3-2939 10/22/73 SAN ANTONIO, TEX HUGHES 269 CR- 0 0 1 MISCELLANEOUS PRIVATE, AGE 44, 343 TIME - 1610 N9667F PX- 0 0 1 POLICE PATROL TOTAL HOURS. 233 IN TYPE. DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION SAN ANTONIO, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING HARD LANDING . PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - IMPROPER LEVEL OFF FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS REMARKS- PRACTICE AUTOROTATION.BOUNCED, HIT TAIL. CR- 0 0 1 NONCOMMERCIAL 3-3534 11/23/73 OLNEY, TEX NO CERTIFICATE, AGE 53, BENSEN B8M TIME - 1700 N6237 PX- 0 0 0 PLEASURE/PERSONAL TRANSP 62 TOTAL HOURS, 1 IN TYPE, DAMAGE-DESTROYED NOT INSTRUMENT RATED. NAME OF AIRPORT - OLNEY DEPARTURE POINT INTENDED DESTINATION OLNEY, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING STALL MUSH PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE TAIL WIND 158-202 DEGREES TEMPERATURE-F WIND DIRECTION-DEGREES 80 180 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS VFR 15 TYPE OF FLIGHT PLAN NONE REMARKS- SETTLED WITH PWR ON DOWNWIND LEG, GUSTS TO 25K.PLT FAILED RECENT PHYSICAL EXAM, HI BLOOD PRESS.

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FILE	DATE		AIRCRAFT DATA	INJ F	UR	IES S M	/ N	PURPOSE		PILOT DATA
3-3879	12/30/73 NR TIME - 1605	STRATFORD, TEX	BELL 47G-2 N6708D DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR P X	0 0	0 0	1 2	NONCOMMERCIAL PLEASURE/PERSONAL 1	ra ns p	COMMERCIAL, AGE 38, 1150 TOTAL HOURS, 50 IN TYPE, INSTRUMENT RATED.
	TYPE OF ACC	IDENT ILURE OR MALFUNCT	AMARILLO,TEX ION		Ρ	IN	FL	FOPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTORI	ΤΑ ΤΙ VE	ELANDING
	MISCELLANI PILOT IN (- ENGINE CONTRO COUS ACTS,CONDITI COMMAND - MISJUDG	LS-COCKPIT THROTTLE-1 ONS - FROZEN, MOISTURE ED SPEED AND ALTITUDE R OPERATION OF FLIGHT	•			A SS	EMBLIES		
	WEATHER - PILOT IN WEATHER BRI WEATHER FOR	COMMAND - ATTEMPT EFING - BRIEFED B ECAST - UNKNOWN/N	-INCLUDES SLEET,FREEZ ED OPERATION BEYOND EX Y FLIGHT SERVICE PERS(OT REPORTED RCED LANDING OFF AIRPO	KPERIEN DNNEL,	BY	/AB PH	ILI	TY LEVEL		
	SKY CONDITI OVERCAST	אכ			С	E I L 12		AT ACCIDENT SITE		
	VISIBILITY		Ρ	REC	IPI	FATION AT ACCIDENT S	5 ITE			
	5 OR OVER OBSTRUCTION		Т		ERA	FURE-F				
	NONE WIND DIRECT		W			OCITY-KNOTS				
		THER CONDITIONS		4 TYPE OF FLIGHT PLAN						
	VFR REMARKS- TH	ROTTLE CABLE FROZ	E IN OPEN PSN, TEMP 25	DEG.PL	Т	NO CUT		SS & AUTOROTATED.WAS	NT ROT	OR CRAFT RATED.
3-0340	2/21/73 TIME - 1000 DEPARTURE PO		BELL 47G3B1 N73972 DAMAGE-SUBSTANTIAL INTENDED DESTINATION	PX-	0 0	0 0	1 3	COMMERCIAL AIR TAXI-PASSG		COMMERCIAL, AGE 37, 5790 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
	PARK CIT TYPE OF ACC	(,UTAH IDENT ILURE OR MALFUNCT	SNOWBIRD RESORT		Ρ	LA	NDI	- OPERATION NG POWER-ON LANDING NG POWER-OFF AUTORG		E LANDING
	MISCELLAN TERRAIN FACTOR(S) MISCELLAN	T → ENGINE STRUCT EOUS ACTS,CONDITI ROUGH/UNEVEN EOUS ACTS,CONDITI	ONS - MATERIAL FAILURE							

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	JRIES S M			PILOT DATA
3 - 1177	TIME - 1506		N8532F DAMAGE-DESTROYED	CR- (PX- (0 0	1 0	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 32, 3017 TOTAL HOURS, 247 IN TYPE NOT INSTRUMENT RATED.
	MAGNA,UT TYPE OF ACC COLL IDED	IDENT WITH OBJECT	INTENDED DESTINATION LOCAL TER UNCONTROLLED		LA	NDI	F OPERATION NG OTHER IGHT UNCONTROLLED DI	ESCENT
	PILOT IN MISCELLAN FACTOR(S) TERRAIN - MISCELLAN WEATHER BRI	COMMAND - SELEC COMMAND - MISJU EOUS ACTS,CONDI EOUS ACTS,CONDI ROUGH/UNEVEN	TIONS - VIBRATION, EXCESS TIONS - PREVIOUS DAMAGE TIONS - SUNGLARE ND CONDITIONS FING RECEIVED	SIVE				
	5 OR OVER OBSTRUCTION NONE WIND DIRECT	AT ACCIDENT SIT			UN PREC NC TEMP 94 WINC	LIM IPI NE ERA	AT ACCIDENT SITE ITED TATION AT ACCIDENT S TURE-F LOCITY-KNOTS	ITE
	VFR FIRE AFTER		SLOPE TO PICK UP PAX.M		NC	OF NE	FLIGHT PLAN	

			BRIEFS									
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	IES		FL IGHT PURPOSE		PILOT DATA		
	DAMAGE-DESTROYED	CR-	0				ΙΤΥ	COMMERCIAL, AGE 27, 3959 TOTAL HOURS, 592 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE RICHFIE		NTENDED DESTINATION LOCAL									
	TYPE OF A COLLIS	ACCIDENT ION WITH GROUND/WATER	CONTROLLED		Ρ			F OPERATION IGHT EN ROUTE TO TREA	AT CRO)P		
	FACTOR(S INSTRUM MISCELI WEATHEF TERRAIM MISCELI WEATHER E	IN COMMAND - FAILED T) MENTS/EQUIPMENT AND A LANEDUS ACTS,CONDITIO R - HIGH DENSITY ALTI N - ROUGH/UNEVEN	NS - LOAD NOT JETTISC TUDE NS - LATERAL IMBALANC G RECEIVED	NEOUS NED			1EN-	T SPRAY,DUSTING EQUIF	PMENT			
	SKY COND				С			AT ACCIDENT SITE				
	CLEAR VISIBILI 5 OR OV	TY AT ACCIDENT SITE		UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE								
	OBSTRUCT NONE			EMPI 58	ERA	TURE-F						
	WIND DIRI 225			7		LOCITY-KNOTS						
	TYPE OF V VFR	FATHER CONDITIONS		т	YPE NO		FLIGHT PLAN					
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF OPERATION - SPRAYING FORESTS KIND OF CROP - FOREST-TREES TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED TANK/HOPPER-LOCATION - SIDES TERRAIN-TYPE - MOUNTAINOUS ELEVATION-AREA BEING TREATED-FEET - 7800 REMARKS- ONLY ONE TANK DUMPED, UNDET REASON.DENSITY ALT 9500FT.											
3-3264	5/16/73 TIME - 10	RICHMOND,VA 000	HUGHES 269C N9693F DAMAGE-SUBSTANTIAL					NONCOMMERCIAL PRACTICE		COMMERCIAL, AGE 43, 2284 TOTAL HOURS, 242 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURI	AIRPORT – DOWNTOWN HE E POINT I DND,VA										
	TYPE OF /	ACCIDENT FAILURE OR MALFUNCTI			Ρ	ΙN	FL	F OPERATION IGHT AUTOROTATIVE DES NG POWER-OFF AUTOROTA		LANDING		
	MISCELI PILOT PILOT MISCELI MISCELI	IN COMMAND - FAILED T IN COMMAND - INADEQUA LANEOUS ACTS,CONDITIC LANEOUS ACTS,CONDITIC		ROTOR FION A FH FLI	ND/ GHT	OR CO	NTR		NOT TH	HERE BFR ACDT.		

BRIEFS OF ACCIDENTS FLIGHT FILE DATE LOCATION AIRCRAFT DATA INJURIES PILOT DATA PURPOSE F S M/N _____ 3-1303 5/19/73 BUCKINGHAM, VA BANNICK T-100 CR- 1 0 0 MISCELLANEOUS PRIVATE, AGE 56, 115 TIME - 1200 N8719E PX- 0 0 0 TEST TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED. DAMAGE-DESTROYED NAME OF AIRPORT - BRADSHAW DEPARTURE POINT INTENDED DESTINATION BUCK INGHAM, VA LOCAL PHASE OF OPERATION TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED LANDING FINAL APPROACH PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- EXPERIMENTAL TEST FLIGHT. 3-3403 7/30/73 NR.PULASKI,VA BELL 47-G2A CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 32, 675 TIME - 0950 N8484E PX- 0 0 0 AERIAL APPLICATION TOTAL HOURS, 209 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION PULASKI,VA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT SURVEY FIELD/AREA COLLIDED WITH WIRES/POLES IN FLIGHT MANEUVER TO AVOID OBSTRUCTION PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 675 KIND OF OPERATION - DEFOLIATION (DUST) KIND OF CROP - FOREST-TREES TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES TERRAIN-TYPE - HILLY ELEVATION-AREA BEING TREATED-FEET - 2000 SWATH RUN-HOW FLOWN - DOWNWIND REMARKS- MOMENTARY PWR LOSS FR UNKN REASONS.FLEW DNHILL OVR TREES HIT DOUBLE PHASE TAP.

	s.		BRIEF	5 OF A	CCIDE	N TS							
FILE	DATE		AIRCRAFT DATA		F S	M∕N	FL IGHT PURPOS E	PILOT DATA					
	8/27/73 NR TIME - 1101	•NORA,VA	BELL 47-G4	С R — Р X —	0 1	0		COMMERCIAL, AGE 25, 1025 TOTAL HOURS, 389 IN TYPE NOT INSTRUMENT RATED.					
	DEPARTURE P NORA,VA	OINT	INTENDED DESTINATION										
	TYPE OF ACC	IDENT			РНА	SE C	F OPERATION						
		ILURE OR MALFUN WITH TREES	CTION				IGHT SWATH RUN IGHT MANEUVER TO AVOID	OBSTRUCTION					
	PROBABLE CA												
			PTED OPERATION W/KNOWN I	DEFICI	ENCIE	S IN	EQUIPMENT						
			US POWERPLANT FAILURE										
	PILOT IN	COMMAND - FAILE	D TO MAINTAIN ADEQUATE	ROTOR	R.P.M	•							
	FACTOR(S)												
		HIGH TEMPERATU											
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE												
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND												
	SKY CONDITI	ON					AT ACCIDENT SITE						
			-	UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F									
		AT ACCIDENT SIT	E										
	5 OR OVER	S TO VISION AT	ACCIDENT SITE										
	NONE	S TU VISIUN AT	ACCIDENT SITE	81									
	WIND VELOCI	TY-KNOTS					WEATHER CONDITIONS						
	CALM					FR	WEATHER CONDITIONS						
	TYPE OF FLI NONE	GHT PLAN											
	SPECIAL DAT												
		RS IN CROP CONT					OPERATION - DEFOLIATIO						
	GLOVES -	ROP - FOREST-TR	EES				CHEMICAL USED - LIQUID - NOT USED	CHEMICAL-NUNTUXIC					
		MET - AVAILABLE	-USED				CRASHPAD - NOT INSTALL	- FD					
		- NOT INSTALLE		TANK/HOPPER-LOCATION - SIDES									
		YPE - HILLY	-	ELEVATION-AREA BEING TREATED-FEET - 2500									
		-HOW FLOWN - WI	ND CALM										

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FILE DATE AIRCRAFT DATA INJURIES FL IGHT LOCATION PILOT DATA F S M/N PURPOSE 3-0122 1/16/73 NORTH BEND, WASH HUGHES 369HS CR- 0 0 1 COMMERCIAL COMMERCIAL, FL.INSTR... TIME - 1120 N9033F PX- 0 0 4 AIR TAXI-PASSG AGE 24, 2775 TOTAL HOURS, DAMAGE-SUBSTANTIAL 1000 IN TYPE, NOT INSTRU-MENT RATED. DEPARTURE POINT INTENDED DESTINATION MAPLE VALLEY,WASH FINDLEY LAKE.WASH TYPE OF ACCIDENT PHASE OF OPERATION LANDING ROLL-ON/RUN-ON HARD LANDING ROLL OVER LANDING ROLL-ON/RUN-ON PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - OTHER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM REMARKS- PLT HAD TO REDUCE PWR TO STAB YAW.ACFT AT MAX GWT.SKID BROKE THRU ICE, ROLLED OVER. 3-0368 1/19/73 NR.CLARKSTON, WASH ALOUETTE III CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 36, 4722 TIME - 1040 N9703 PX- 0 0 5 AIR TAXI-PASSG TOTAL HOURS, 31 IN TYPE, DAMAGE-SUBSTANTIAL NOT INSTRUMENT RATED. DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP LEWISTON- ID RETURN CLARKSTON, WASH TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT WEATHER - UNFAVORABLE WIND CONDITIONS FACTOR(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING TERRAIN - ROUGH/UNEVEN MISCELLANEOUS ACTS, CONDITIONS - LATERAL IMBALANCE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED 5000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE WIND VELOCITY-KNOTS NONE 20 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- ATTEMPTED TKOF FROM SLOPING TERRAIN WITH DEPRESSED R GR OLEO STRUT IN WINDS GUSTING TO 30K.

FILE		LOCATION	AIRCRAFT DATA	INJUI F	RIES S M/N	FL IGHT PURPOSE	PILOT DATA					
		HARRINGTON, WASH	BELL TOMCAT N73865 DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	1 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 40, 9000 TOTAL HOURS, 700 IN TYPE NOT INSTRUMENT RATED.					
	NAME OF AIRPORT - HARRINGTON DEPARTURE POINT INTENDED DESTINATION HARRINGTON,WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN											
	FACTOR(S)		O SEE AND AVOID OBJEC	TS OR O	STRUC	TIONS						
	KIND OF C PILOT'S S GOGGLES - COCKPIT C TANK/HOPP	RS IN CROP CONTROL ROP - GRAIN FIELDS EAT BELT - FASTENE	CD-PROPERLY Malled S		TYPE O GLOVES CRASH CRASH TERRAI	F OPERATION - SPRAYIN F CHEMICAL USED - LIQ - NOT USED HELMET - AVAILABLE-US BAR - NOT INSTALLED N-TYPE - ROLLING RUN-HOW FLOWN - DOWNW	UID CHEMICAL-TOXIC ED					
3-3312	6/19/73 TIME - 1510 DEPARTURE P MARBLEMOU	O INT	SIKORSKY S-61L N302Y DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL			MISCELLANEOUS OTHER	COMMERCIAL, AGE 28, 2063 Total Hours, 495 in Type Not Instrument rated.					
	TYPE OF ACC COLLIDED	IDENT WITH TREES		PHASE OF OPERATION TAKEOFF VERTICAL								
	FACTOR(S) WEATHER - WEATHER BRI	USE(S) COMMAND - EXERCISE HIGH DENSITY ALT) EFING - UNKNOWN/NO ECAST - UNKNOWN/NO	TUDE DT REPORTED									
	5 OR OVER	AT ACCIDENT SITE		CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F								
	UBSTRUCTION NONE WIND VELOCI CALM TYPE OF FLI NONE											

			BRIEFS									
FILE	DATE	LOCATION	AIRCRAFT DATA	١١	IJUR F	IE: S I	5 M/N	FL IGHT PURPOS E	PILOT DATA			
3-2998	7/7/73 TIME - 070	ANACORTES,WASH O	BELL 47D N964B DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 24, 1875 TOTAL HOURS, 114 IN TYPE, NOT INSTRU- MENT RATED.			
	DEPARTURE	RPORT - BAYVIEW POINT TON,WASH	INTENDED DESTINATION LOCAL									
	PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT PULLUP FROM SWATH RUN HARD LANDING LANDING LANDING POWER-OFF AUTOROTATIVE LANDING											
	MISCELLA	FT - ROTOR ASSEME NEOUS ACTS,CONDI	ULIES TAIL ROTOR BLADE: NONS - FATIGUE FRACTUR TO MAINTAIN DIRECTION,	E	NTRO	DL						
	EMERGENCY	CIRCUMSTANCES - F	IONS - SEPARATION IN F ORCED LANDING OFF AIRPO DIRECTIONAL CONTROL PRO SUSPECTED OR KNOWN AIRCO	DRT DN BLEM RAFT (DAMA	GE						
	REMARKS- F	ATIGUE-T/R BLADE	YOKE P/N 47-641-057-9.1	PLT MA	INT	'A II	NED	CONTROL 2 MIN.				
3-2893		RENTON,WASH O		CR- PX-	0 0	0 0	1 1	MISCELLANEOUS DEMONSTRATION	ATR,FLIGHT INSTR., AGE 33, 2800 TOTAL HOURS, 200 IN TYPE, INSTRUMENT			
	RENTON,W TYPE OF AC	ASH	INTENDED DESTINATION LOCAL		P	РНА	SE C)F OPERATION .IGHT POWER-ON DESCEN	RATED.			
	PROBABLE C PILOT IN	AUSE(S) COMMAND - IMPROI	PER OPERATION OF FLIGHT D TO MAINTAIN ADEQUATE I	CONTR	ROLS	5						
3-3230	7/16/73 TIME - 162	SULTAN,WASH 4	KAMAN H-43A N2855J DAMAGE-DESTROYED	С R- РХ- ОТ-	0 0 1	0 0 0	1 0 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, AGE 34, 2883 TOTAL HOURS, 2128 IN TYPE, INSTRUMENT RATED.			
		POINT ASH CIDENT	INTENDED DESTINATION LOCAL					OF OPERATION				
	COLL 1210	N WITH GRUUND/WA	TER UNCONTROLLED			I	N FI	IGHT HOVERING				
	PILOT IN FACTOR(S) SYSTEMS TERRAIN	COMMAND - DIVER COMMAND - IMPRO - OTHER SYSTEMS - HIGH OBSTRUCTIO					RCRA	NFT				
	FIRE AFTER REMARKS- 4		TER DROP.UN TO OPEN GAT	ES OR	JEI	TTI	SON	LOAD,PLT DISTRACTED.F	IREMAN HIT BY HOR STAB			

			BRIEFS	5 OF 4		DEN	тs					
FILE	DATE	LOCATION	AIRCRAFT DATA	-	F	S M	/ N	FL IGHT PURPOS E		PILOT DATA		
3-3176	8/3/73 TIME - DEPARTU OMAK TYPE OF	NR.TONASKET,WASH		CR - P X-	0 0	0 0 PHAS	1 2 E 0	COMMERCIAL	ΞΤΙVΙΤΥ	COMMERCIAL, AGE 30, 2305 TOTAL HOURS, 515 IN TYPE, NOT INSTRUMENT RATED.		
	PILOT PILOT PILOT FACTOR(WEATH	IN COMMAND - IMPROP IN COMMAND - FAILED		CONTR	OLS	5						
	5 OR OBSTRUC NONE WIND DI 20 TYPE OF VFR	ITY AT ACCIDENT SITE OVER TIONS TO VISION AT A RECTION-DEGREES WEATHER CONDITIONS		TREE	ר ד א ד	UN PREC NO FEMP 70 VIND 3 FYPE NO	LIM IPI ERA VE OF	AT ACCIDENT SITE ITED TATION AT ACCIDENT TURE-F LOCITY-KNOTS FLIGHT PLAN 5800FT.	SITE			
3-3829	SPOK. TYPE OF	RE POINT ANE,WASH ACCIDENT	N8439E DAMAGE-DESTROYED INTENDED DESTINATION INCHELIUM,WASH		0	0 PHA S	o E O	F OPERATION		COMMERCIAL, AGE 41, 1920 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.		
	PROBABL PILOT FACTOR(PILOT TERRA FIRE AF	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT REMARKS- LDG APPROACH TO CONFINED AREA AT DUSK.WIRES NOT MARKED.PLT HADNT LND AT SITE FOR ABT 2 YRS.										

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_____ DATE LOCATION AIRCRAFT DATA INJURIES FLIGHT FILE PILOT DATA F S M/N PURPOSE _____ HUGHES 369HS CR- 0 1 0 COMMERCIAL COMMERCIAL, FL.INSTR., 3-4044 8/26/73 PACKWOOD,WASH PX- 0 0 0 FIRE CONTROL AGE 33, 3224 TOTAL HOURS, TIME - 1255 N9043F 220 IN TYPE, NOT INSTRU-DAMAGE-DESTROYED MENT RATED. DEPARTURE POINT INTENDED DESTINATION PACKWOOD,WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT HOVERING COLLIDED WITH TREES LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - HIGH OBSTRUCTIONS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED WEATHER - HIGH DENSITY ALTITUDE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 60 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS CALM VFR TYPE OF FLIGHT PLAN NONE

				5 OF ACCIDENTS	; 	
FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/M	FLIGHT N PURPOSE	PILOT DATA
	9/2/73 TIME - 143	LESTER,WASH 6	BELL 205-A1 N1440W DAMAGE-DESTROYED		MISCELLANEOUS OTHER PUBLIC	
		ASH CIDENT DT	TE HELIP INTENDED DESTINATION LESTER,WASH	LAN	OF OPERATION DING FINAL APPROACH DING GO-AROUND	
	MISCELLA MISCELLA FACTOR(S) WEATHER WEATHER BR	COMMAND - INADEQU NEOUS ACTS,CONDIT	TITUDE ING RECEIVED	DD OPERATING F	PRACTICE	
	5 OR OVE OBSTRUCTION NONE WIND DIREC 270 TYPE OF WE VFR	AT ACCIDENT SITE R NS TO VISION AT A TION-DEGREES ATHER CONDITIONS	CCIDENT SITE	UNL PRECI NONE TEMPER 63 WIND N 10 TYPE C VFR	RATURE-F VELOCITY-KNOTS DF FLIGHT PLAN	
3-3228	TIME - 153	O RPORT - PUYALLUP POINT •WASH CIDENT	N9432F DAMAGE-SUBSTANTIAL	PX- 0 0 1 PHASE	L NONCOMMERCIAL L PLEASURE/PERSONAL TR OF OPERATION DING POWER-OFF AUTOROT	ANSP TOTAL HOURS, 650 IN TYPE, NOT INSTRUMENT RATED.
		COMMAND - MISJUD	GED SPEED AND ALTITUDE ION•HIT TAIL ON RECOVE	RY,ROLLED OVER	۹.	

BRIEFS OF ACCIDENTS FILE LOCATION AIRCRAFT DATA INJURIES FLIGHT F S M/N PURPOSE DATE PILOT DATA 3-3229 9/7/73 EATONVILLE,WASH HUGHES 269A CR- 0 0 2 INSTRUCTIONAL COMMERCIAL, FL.INSTR., TIME - 1330 N8813 PX- O O O DUAL AGE 27, 1487 TOTAL HOURS, DAMAGE-SUBSTANTIAL 175 IN TYPE, NOT INSTRU-MENT RATED. DEPARTURE POINT INTENDED DESTINATION PUYALLUP, WASH EATONVILLE, WASH TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. DUAL STUDENT - FAILED TO MAINTAIN DIRECTIONAL CONTROL REMARKS- APCH TO MIN SITE. 3-3611 9/16/73 EAGLE LAKE, WASH HUGHES 269C CR- 0 0 1 NONCOMMERCIAL COMMERCIAL, FL.INSTR., TIME - 1100 N8955F PX- 0 0 2 PLEASURE/PERSONAL TRANSP AGE 36, 2451 TOTAL HOURS, DAMAGE-SUBSTANTIAL 825 IN TYPE, NOT INSTRU-MENT RATED. NAME OF AIRPORT - EAGLE LAKE HELI DEPARTURE POINT INTENDED DESTINATION UNKNOWN/NOT REPORTED EAGLE LAKE, WASH TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED TAKEOFF RUNNING PROBABLE CAUSE(S) PILOT - EXCEEDED PERFORMANCE CAPABILITY OF ACFT. WEATHER - HIGH DENSITY ALTITUDE WEATHER - SUDDEN WINDSHIFT FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER WEATHER BRIEFING - NO BRIEFING RECEIVED SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 55 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 90 5 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- DENSITY ALT 5000 FT. NEAR MAX GROSS WT-

			BRIEFS							
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	IJUR F	S I	; 1/N	FL IGHT PURPOSE		PILOT DATA
3-3610	9/23/73 TIME - 16	FORKS,WASH	HUGHES 269A N8763F DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 34, 199 TOTAL HOURS, 68 IN TYPE, NOT INSTRUMENT RATED.	
	TYPE OF A	FAILURE OR MALFUNCI	DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL ION		F	11	I F	DF OPERATION LIGHT POWER-ON DESC ING POWER-OFF AUTOR		E LANDING
	PILOT I MISCELL PILOT I COMPLETE EMERGENCY	IN COMMAND - INADEQU IN COMMAND - MISMANA ANEOUS ACTS,CONDITI IN COMMAND - MISJUDG POWER LOSS - COMPLE CIRCUMSTANCES - FE	ONS - FUEL EXHAUSTION	1EOUT- DRT ON	1 E	ENG	NE			
3-3177	10/8/73 TIME - 13	FORKS,WASH 330	BELL 47F-2 N5161B DAMAGE-SUBSTANTIAL	PX-				NONCOMMERCIAL Corp/exec		COMMERCIAL, AGE 45, 5407 TOTAL HOURS, 330 IN TYPE, NOT INSTRUMENT RATED.
	FORKS, TYPE OF A PROPELL	IASH	INTENDED DESTINATION LOCAL			11	I F	DF OPERATION LIGHT HOVERING ING LEVEL OFF/TOUCH	DOWN	NOT INSTRUMENT RATED.
	MISCELL TERRAIN EMERGENCY	AFT - TRANSMISSION ANEOUS ACTS,CONDITI A - ROUGH/UNEVEN CIRCUMSTANCES - FO	ROTOR DRIVE SYSTEM CL ONS – IMPROPER CLEARAN DRCED LANDING OFF AIRPO G20-609-05 WERE GLAZED	NCE-TO DRT ON	LEF	RAN(E	WOULDNT ENGAGE. STUM	P COVE	RED AREA.
3-3608	10/19/73 TIME - 09	ALPENTAL,WASH 950		РХ-				COMMERCIAL CONSTRUCTION		ATR,FLIGHT INSTR., AGE 27, 3230 TOTAL HOURS, 330 IN TYPE, INSTRUMENT RATED.
	DEPARTURE	AIRPORT - BANDERA SI E POINT E,WASH ACCIDENT		NATED .						
		ION WITH GROUND/WATE	R CONTROLLED					DF OPERATION LIGHT LOW PASS		
	PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF POMERPLANT & POMERPLANT CONTROLS PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- PILOT ALLOWED RPM TO DECAY DURING UPSLOPE SURVEY									

DATE	LOCATION	AIRCRAFT DATA	INJUF F	IES S M/N	FL IGHT PURPOSE	PILOT DATA
11/1/73 N	R.FORKS,₩ASH	BELL 47G-3B N73918	CR- 0 PX- 0			AIRLINE TRANSPORT, AGE 45, 5426 TOTAL HOURS, 2411 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE FORKS,WA TYPE OF AC ENGINE F	POINT SH CIDENT AILURE OR MALFUNC	LOCAL	F	IN FL	IGHT HOVERING	
POWERPLA MISCELLA PILOT IN FACTOR(S)						
ROTORCRA MISCELLA PARTIAL PO	FT - FLIGHT CONTRO NEOUS ACTS,CONDIT WER LOSS - UNKNOWN CIRCUMSTANCES - PF UN	IONS - ERRATIC N/NOT REPORTED RECAUTIONARY LANDING OF NUSUAL NOISE	F AIRPOF	т	EM	
REMARKS- C					ID STUMP COVERED TERRAI	N •
		N750NH	РХ – О			PRIVATE, AGE 57, 801 TOTAL HOURS, 308 IN TYPE NOT INSTRUMENT RATED.
PORTLANI TYPE OF ACC ENGINE F	D;OREG CIDENT AILURE OR MALFUNCT	INTENDED DESTINATION PORTLAND, OREG	L	UNKNO HASE O IN FL	WN/NOT REPORTED F OPERATION IGHT HOVERING	
POWERPLAN MISCELLAN WEATHER - PILOT IN COMPLETE PO	NT - MISCELLANEOUS NEOUS ACTS,CONDITI - OBSTRUCTIONS TO COMMAND - MISJUDG DWER LOSS - COMPLE	ONS - WINDSHIELD,DIRT VISION ED ALTITUDE TE ENGINE FAILURE/FLAM	Y,FOGGY,E 4EOUT−1 E	TCRE		
SCATTERE	כ			UNLIM	ITED	E
5 OR OVER	र	CCIDENT SITE		THUND	ERSTORM	
	ITY-KNOTS		、 T		WEATHER CONDITIONS	
	DATE 11/1/73 N TIME - 130 NAME OF AI DEPARTURE FORKS,WAI TYPE OF AC ENGINE F COLLIDED PROBABLE C. POWERPLAI MISCELLAI PLOT IN FACTOR(S) TERRAIN ACTORCRAI MISCELLAI PARTIAL POI EMERGENCY O REMARKS- CO 11/1/73 NI TIME - 1300 DEPARTURE I PORTLANI TYPE OF ACC ENGINE F, COLLISIO PROBABLE C. POWERPLAI MISCELLAI PORTLANI TYPE OF ACC ENGINE F, COLLISIO PROBABLE C. POWERPLAI MISCELLAI MISCELLAI PORTLANI TYPE OF ACC ENGINE F, COLLISIO PROBABLE C. POWERPLAI MISCELLAI MISCELLAI MISCELLAI SON OF COLLISIO SKY CONDIT SCATTEREI VISIBILITY SOR OVEL	DATE LOCATION 11/1/73 NR.FORKS,WASH TIME - 1300 NAME OF AIRPORT - FORKS DEPARTURE POINT FORKS,WASH TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCT COLLIDED WITH TREES PROBABLE CAUSE(S) POWERPLANT - COOLING SYSTE MISCELLANEOUS ACTS,CONDITI PILOT IN COMMAND - SELECTE FACTOR(S) TERRAIN - OTHER ROTORCRAFT - FLIGHT CONTRO MISCELLANEOUS ACTS,CONDITI PARTIAL POWER LOSS - UNKNOWN EMERGENCY CIRCUMSTANCES - PE UN SC REMARKS- COOLING SYS FAN BEL 11/1/73 NR.CENTRALIA,WASH TIME - 1300 DEPARTURE POINT PORTLAND,OREG TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCT COLLISION WITH GROUND/WATE PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS MISCELLANEOUS ACTS,CONDITI ENGINE FAILURE OR MALFUNCT COLLISION WITH GROUND/WATE PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS MISCELLANEOUS ACTS,CONDITI WEATHER - OBSTRUCTIONS TO PILOT IN COMMAND - MISJUGG COMPLETE POWER LOSS - COMPLE EMERGENCY CIRCUMSTANCES - FO SKY CONDITION SCATTERED VISIBLITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT AC SMOKE WIND VELOCITY-KNOTS	DATE LOCATION AIRCRAFT DATA 11/1/73 NR.FORKS,WASH BELL 47G-38 TIME - 1300 N73918 DAMAGE-SUBSTANTIAL NAME OF AIRPORT - FORKS DEPARTURE POINT INTENDED DESTINATION FORKS,WASH LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES PROBABLE CAUSE(S) POWERPLANT - COOLING SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - OTHER ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITO MISCELLANEOUS ACTS,CONDITIONS - ERRATIC PARTIAL POWER LOSS - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OI UNUSUAL NOISE SUSPECTED MECHANICAL DIS REMARKS- COOLING SYS FAN BELT FAILED,DMG CYCLIC H 11/1/73 NR.CENTRALIA,WASH HILLER ACFT FH1100 TIME - 1300 N750NH DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION PORTLAND,OREG PORTLAND,OREG TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE F MISCELLANEOUS ACTS,CONDITIONS - WINDSHIELD,DIRTY WEATHER - OBSTRUCTIONS TO VISION PILOT IN COMMAND - MISJUDGED ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAN EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPO SKY CONDITION SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE SMOKE WIND VELOCITY-KNOTS	DATE LOCATION AIRCRAFT DATA INJUR TIME - 1300 F 11/1/73 NR.FORKS,WASH BELL 47G-38 CR- 0 TIME - 1300 DAMAGE-SUBSTANTIAL PX- 0 DAMAGE-SUBSTANTIAL PX- 0 PARTURE POINT INTENDED DESTINATION FORKS,WASH LOCAL PTF 0 FOR COLLIDED WITH TREES PROBABLE CAUSE(S) POWERPLANT - COLLING SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - OTHER ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL MISCELLANEOUS ACTS,CONDITIONS - ERRATIC PARTIAL POWER LOSS - UNKNOW/NOT REPORTED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LAND ING OFF AIRPOR UNUSUAL NOISE SUSPECTED MECHANICAL DISCREPANCY REMARKS- COOLING SYS FAN BELT FAILED,DMG CYCLIC HYD CTL UN 11/1/73 NR.CENTRALIA,WASH HILLER ACFT FH1100 CR- 0 TIME - 1300 N750NH PX- 0 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION L PORTLAND,OREG PORTLAND,OREG PORTLAND,	DATE LOCATION AIRCRAFT DATA INJURIES F S M/N 11/1/73 NR.FORKS,WASH BELL 47G-38 CR- 0 0 1 TIME - 1300 N73918 PX- 0 0 0 DAMAGE-SUBSTANTIAL NAME OF AIRPORT - FORKS DEPARTURE POINT INTENDED DESTINATION FORK,WASH LOCAL PHASE O ENGINE FAILURE OR MALFUNCTION IN FL COLLIDED WITH TREES LANDI POWERPLANT - CODLING SYSTEM OTHER MISCELANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - OTHER ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYST MISCELANEOUS ACTS, CONDITIONS - ERRATIC PARTIAL POWER LOSS - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT UNUSUAL MOISE SUSPECTED MECHANICAL DISCREPANCY REMARKS- COOLING SYS FAN BELT FAILED,DMG CYCLIC HYD CTL UNIT. LN 11/1/73 NR.CENTRALIA,WASH HILLER ACFT FH100 CR- 0 0 2 TIME - 1300 DAMAGE-SUBSTANTIAL DEPARTURE POINT INTENDED DESTINATION LAST EN PORTLAND,OREG PORTLAND,OREG UNKNOW TYPE OF ACCIDENT INTENDED DESTINATION LAST EN PORTLAND,OREG PORTLAND,OREG UNKNOW TYPE OF ACCIDENT INTENDED DESTINATION LAST EN PORTLAND,OREG PORTLAND,OREG UNKNOW TYPE OF ACCIDENT INTENDED DESTINATION LAST EN PORTLAND,OREG PORTLAND,OREG UNKNOW PORTLAND,OREG PORTLAND,OREG UNKNOW PILOT IN COMMAND - MISUDGED ALTITUDE COMMETER POINT ON STO VISION PILOT IN COMMAND - MISUDGED ALTITUDE COMPERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINE MISCELLANEOUS ACTS,CONDITIONS - WINDSHIELD,JITY,FOGGY,ETCRE WEATHER - 0BSTRUCTIONS TO VISION TO VISION AT ACCIDENT SITE THERA MISCELLANEOUS ACTS,CONDITIONS - WINDSHIELD,DIRTY,FOGGY,ETCRE WEATHER - 0BSTRUCTIONS TO VISION AT ACCIDENT SITE THERA SKY CONDITION CELLONGUS FOR ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SKY CONDITION	I1/1/73 NR.FORKS,WASH AELL 47G-38 CR-0001 COMMERCIAL NIME OF AIRPORT - FORKS DAMAGE-SUBSTANTIAL PX-00000 CONSTRUCTION DAMAGE-SUBSTANTIAL DAMAGE-SUBSTANTIAL PARTURE POINT INTENDED DESTINATION FORKS,WASH LOCAL PHASE OF OPERATION IN FLIGHT HOVERING COLLIDED WITH TREES LOCAL PHASE OF OPERATION IN FLIGHT HOVERING COLLIDED WITH TREES LANDING POWERPON LANDING OPWERPON LANDING PHASE OF OPERATION IN FLIGHT HOVERING POBARUE CAUSE(S) POWERPLANT - COOLING SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - SELECTED UNSUTABLE TERRAIN FACTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - ERRATIC PARTURE OLING SYS FAN BELT FAILED, DMG CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS TUNUSUAL NOISE SUSPECTED MECHANICAL DISCREPANCY SUSPECTED MECHANICAL DISCREPANCY SUSPECTED MECHANICAL DISCREPANCY REMARKS- COOLING SYS FAN BELT FAILED, DMG CYCLIC HYD CTL UNIT. LND STUMP COVERED TERRAI 11/1/73 NR.CENTRALIA.WASH HILLER ACFT FH1100 CR-002 MISCELLANEOUS 11/1/73 NR.CENTRALIA.WASH HILLER ACFT FH1100 CR-002 MISCELLANEOUS OUNNNOWN/NOT REPORTED DYPATURE POINT INTENDED DES

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FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR 1	IES SM/N	FL IGHT PURPOSE		PILOT DATA		
3-4067	12/28/73 TIME - 123	QUEETS,WASH 30 PO INT	HILLER UH-12E N28875 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR - PX-	 0 0	0 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRA	NS P	COMMERCIAL, AGE 25, L702 TOTAL HOURS, 305 IN TYPE, NOT INSTRUMENT RATED.		
	TYPE OF AC ENGINE F ROLL OVE	CCIDENT FAILURE OR MALFUNC				IN F	OF OPERATION LIGHT OTHER ING POWER-OFF AUTOROTA	TIVE	LANDING		
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT										
	REMARKS- E	ENG FAILED FOR REA	SON NOT DETERMINED LAN	DED IN	UNF	PREPA	RED AREA.ACFT OVERTURNE	ED AN	D CAUGHT FIRE.		
3-1661	6/7/73 TIME - 103	STICKNEY,W VA 30	BELL 47G2A1 N1215W DAMAGE-DESTROYED	CR - PX-	1 0	0 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVI	ĮΤΥ	COMMERCIAL, AGE 35, 4970 TOTAL HOURS, 2200 IN TYPE, NOT INSTRUMENT RATED.		
	EDWIGH TYPE OF AG	T,W VA	INTENDED DESTINATION LOCAL		P٢	HASE IN F	OF OPERATION LIGHT SURVEY FIELD/ARE	ĒA			
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS										
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO	DURS IN CROP CONTR CROP - FOREST-TRE SEAT BELT - UNKNO - NOT USED CRASHPAD - INSTAL PPER-LOCATION - SI DN-AREA BEING TREA	WN/NOT REPORTED LED DES TED-FEET - 2300		T I GL CR CR TE SV	YPE C OVES RASH RASH ERRAI WATH	F OPERATION - DEFOLIAT F CHEMICAL USED - LIQU - NOT USED HELMET - AVAILABLE-USED BAR - NOT INSTALLED N-TYPE - MOUNTAINOUS RUN-HOW FLOWN - WIND CA HIGH TENSION WIRES.	ID CH			

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FILE	DATE	LOCATION	AIRCRAFT DATA	IN	IJUR F	IES S M	/ N	FL IGHT PURPOSE	PILOT DATA	
	7/31/73 A TIME - 1300	UGUSTA,W VA							COMMERCIAL, AGE 37, 2514 P TOTAL HOURS, 193 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE PO AUGUSTA•W	INT INT	NTENDED DESTINATION							
	TYPE OF ACCI			PHASE OF OPERATION TAKEOFF INITIAL CLIMB						
	MISCELLANE FACTOR(S) TERRAIN -	OMMAND - INADEQUAT	TE PREFLIGHT PREPARAT NS - IMPROPERLY LOADE ASHD THIRD TKOF.							
-1239	6/24/73 A TIME - 1815	PPLETON, WIS	BELL 47G-5 N7840S DAMAGE-SUBSTANTIAL	PX-				COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 3500 TOTAL HOURS, 85 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE PO APPLETON,W TYPE OF ACCI COLLIDED W	IS	NTENDED DESTINATION LOCAL		Ρ			F OPERATION IGHT SWATH RUN		
	FACTOR(S)	SE(S) OMMAND - MISJUDGED HIGH OBSTRUCTIONS	D CLEARANCE							
	KIND OF CR PILOT'S SE GOGGLES - COCKPIT CR TANK/HOPPE ELEVATION-	S IN CROP CONTROL OP - PEAS AT BELT - UNKNOWN, NOT USED ASHPAD - NOT INSTA R-LOCATION - SIDES AREA BEING TREATED	YNOT REPORTED ALLED S	TELEF	T G C T S	YPE CRAS RAS ERR WAT	OF ES H H H B AIN	OPERATION - SPRAYING CR CHEMICAL USED - LIQUID - NOT USED ELMET - AVAILABLE-USED AR - NOT INSTALLED -TYPE - LEVEL,FLAT UN-HOW FLOWN - CROSSWING S ABV SKID AREA.	CHEMICAL-NONTOXIC	
-0230	2/22/73 H TIME - 1715	ANN A , W YO	HUGHES 269A N8859F DAMAGE-SUBSTANTIAL	Р X-				NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 22, 1081 TOTAL HOURS, 113 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE PO RAWLINS,W		NTENDED DESTINATION						KATED.	
	TYPE OF ACCI	DENT LURE OR MALFUNCTIO			Ρ	IN	FL	F OPERATION IGHT OTHER NG POWER-OFF AUTOROTATI	VE LANDING	
	COMPLETE POW EMERGENCY CI	- MISCELLANEOUS ER LOSS - COMPLETE RCUMSTANCES - FOR	POWERPLANT FAILURE F E ENGINE FAILURE/FLAN CED LANDING OFF AIRPO VERY.HUNTING COYOTES	MEOUT- DRT OM	-1 E	INGI		D REASONS		

			BRIEFS	S OF AG						
FILE	DATE	LOCATION	AIRCRAFT DATA	I N. F	JUR =	R I E S	ES M∕N	FL I PUR	IGHT RPOSE	PILOT DATA
	6/11/73 BAGGS,WYO TIME - 1840				0 0 2 NONCOMMERCIAL 0 0 0 CORP/EXEC					COMMERCIAL, FL.INSTR., AGE 22, 1253 TOTAL HOURS, 239 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT INTENDED DESTINATION DAD,WYO LOCAL TYPE OF ACCIDENT STALL MUSH							DF OPERA LIGHT L		
	PROBABLE PILOT I FACTOR(S) WEATHER	YING SP	PEE	ĒD						
	SKY CONDITION BROKEN/LOWER SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 30 TYPE OF WEATHER CONDITIONS VFR				P T W	2 PRE FEN 4 IN 1 FYF	2500 ECIP NONE MPER 66 ND V LO)		SITE
3-1877	NAME OF A	IRPORT - WASHINGTO	BELL 47G-4A N7949J DAMAGE-SUBSTANTIAL NATL INTENDED DESTINATION LOCAL		0 0	1	1 1	MISCEL POLICE	LANEOUS PATROL	COMMERCIAL, AGE 47, 741 TOTAL HOURS, 531 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A ENGINE		P		IN F	DF OPERA LIGHT N ING POW	OTATIVE LANDING			
	COLLIDED WITH WIRES/POLES LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NR 6 CYL CONROD CAP BOLT FAILED. LND IN STREET INTERSECTION.									

BRIEFS OF ACCIDENTS

			BRIEFS							
FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	IES		FLIGHT	PILOT DATA	
		IR.JAYUYA, PR						COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 42, 7695 TOTAL HOURS 208 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE CAROLIN TYPE OF AC ENGINE F ROLL OVE	IA,PR CIDENT AILURE OR MALFUNCTIO	ITENDED DESTINATION JAYUYA,PR DN		Ρ	IN	FĹ	F OPERATION IGHT NORMAL CRUISE NG LEVEL OFF/TOUCHDOWN		
	TERRAIN PARTIAL PO	NT - MISCELLANEDUS - ROUGH/UNEVEN WER LOSS - PARTIAL L CIRCUMSTANCES - FOR	POWERPLANT FAILURE F .OSS OF POWER - 1 ENG .ED LANDING OFF AIRPC	INE			NE	D REASONS		
	REMARKS- L	OUD NOISE, PWR LOSS, A	NUTOROTATION TO SLOPI	NG TE	RRA	IN.				
8-2697	9/12/73 TIME - 152	ST THOMAS,VI 5	HILLER ACFT UH-12A N8151H DAMAGE-SUBSTANTIAL					COMMERCIAL MAPPING/PHOTO	COMMERCIAL, FL.INSTR., AGE 24, 348 TOTAL HOURS, 15 IN TYPE, NOT INSTRUME RATED.	
		RPORT - HARRY S TRUM POINT IN S.VI								
	TYPE OF AC COLLISIO ROLL OVE	N WITH GROUND/WATER	CONTROLLED		Ρ	TAX	I	F OPERATION AERIAL TAXI TO TAKEOFF AERIAL TAXI TO TAKEOFF		
	PILOT IN	I COMMAND - FAILED TO I COMMAND - LACK OF F) MAINTAIN ADEQUATE R AMILIARITY WITH AIRC	RAFT			- -			
	REMARKS- D	NG AIMPI HULD SHUKI	UF KWY ABI 12 AGL AS	FWU	MUV	EMEN	1 6	BEGAN TO STOP LOST ROTOR	AND ENG KPM.	
5 - 0042	10/11/73 N TIME - UNK	R.REQUENA,PERU /NR	SIKORSKY S-62A N316Y DAMAGE-SUBSTANTIAL					COMMERCIAL CTR CARGO-I	CommerCial, age 27, 2090 Total Hours, 200 IN TYPE NOT INSTRUMENT RATED.	
			SHARE SOUSTAILINE						HO, INCHAULT NATED.	

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IME - 1320	AIRCRAFT DATA HILLER ACFT UH-12B N6055 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL R UNCONTROLLED TO MAINTAIN ADEQUATE I ED POOR JUDGMENT D UNSUITABLE TERRAIN SONS - AIRCRAFT CAME TO	IN. F CR- PX- ROTOR F ROTOR F O REST N 30FT	JUR F O O P R.P	HAS	/N l l FL	FLIGHT PURPOSE MISCELLANEOUS FERRY F OPERATION IGHT HOVERING	COMMERCIAL, FL.INSTR., AGE 23, 1160 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.
<pre>/13/73 GOTHENBURG,SWEDEN IME - 1320 EPARTURE POINT GOTHENBURG,SWEDEN YPE OF ACCIDENT COLLISION WITH GROUND/WATE ROBABLE CAUSE(S) PILOT IN COMMAND - FAILED ACTOR(S) PILOT IN COMMAND - EXERCIS PILOT IN COMMAND - SELECTE TERRAIN - HIGH OBSTRUCTION MISCELLANEOUS ACTS,CONDITI EMARKS- 1ST FLT AFT TRANSPC /2/73 BAN XON,LAOS</pre>	HILLER ACFT UH-12B N6055 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL R UNCONTROLLED TO MAINTAIN ADEQUATE I DOR JUDGMENT D UNSUITABLE TERRAIN S ONS - AIRCRAFT CAME TO RT & MAINT.LOST RPM IN BELL 206B	CR- PX- ROTOR F D REST N 30FT	O P R•P IN	O HAS IN .M.	1 E O FL	MISCELLANEOUS FERRY F OPERATION IGHT HOVERING	COMMERCIAL, FL.INSTR., AGE 23, 1160 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.
GOTHENBURG, SWEDEN YPE OF ACCIDENT COLLISION WITH GROUND/WATE ROBABLE CAUSE(S) PILOT IN COMMAND - FAILED ACTOR(S) PILOT IN COMMAND - EXERCIS PILOT IN COMMAND - SELECTE TERRAIN - HIGH OBSTRUCTION MISCELLANEOUS ACTS, CONDITI EMARKS- 1ST FLT AFT TRANSPC /2/73 BAN XON, LAOS	LOCAL R UNCONTROLLED TO MAINTAIN ADEQUATE I ED POOR JUDGMENT D UNSUITABLE TERRAIN S ONS - AIRCRAFT CAME TO RT & MAINT.LOST RPM IN BELL 206B	D REST N 30FT	R.P IN	IN 	FL	IGHT HOVERING	
ROBABLE CAUSE(S) PILOT IN COMMAND - FAILED ACTOR(S) PILOT IN COMMAND - EXERCIS PILOT IN COMMAND - SELECTE TERRAIN - HIGH OBSTRUCTION MISCELLANEOUS ACTS, CONDITI EMARKS- 1ST FLT AFT TRANSPC /2/73 BAN XON, LAOS	TO MAINTAIN ADEQUATE I ED POOR JUDGMENT D UNSUITABLE TERRAIN S ONS - AIRCRAFT CAME TO RT & MAINT.LOST RPM II BELL 206Β	D REST N 30FT	IN	•.M.	TER		1 SWEDISH GOVች•
		CR-					
		-				COMMERCIAL CTR PASSG-I	COMMERCIAL, AGE 24, 1859 TOTAL HOURS, 140 IN TYPE,
AME OF AIRPORT - BAN LON EPARTURE POINT BAN XON,LAOS YPE OF ACCIDENT COLLIDED WITH OBJECT ROLL OVER EMARKS- SKID HODKED REFUELI	DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL NG HOSE. INVEST UNDER	JURISE		ΤΑ ΤΑ	K E O K E O	F OPERATION FF VERTICAL FF VERTICAL F GOVT OF LAOS.	NOT INSTRUMENT RATED.
/30/73 NR.BAN NA,LAOS IME - 1140 AME OF AIRPORT - MT HELIPOR						COMMERCIAL AIR TAXI-CARGO S-I	COMMERCIAL, AGE 42, 10068 TOTAL HOURS, 2500 I TYPE, INSTRUMENT RATED.
LONG TIENG,LAOS YPE OF ACCIDENT COLLISION WITH GROUND/WATE ACTOR(S) WEATHER - HIGH DENSITY ALT EATHER BRIEFING - SELF-HELP	ITUDE PPILOT CHECKED WEATHEI	R DATA	Ρ			F OPERATION NG GO-AROUND	
KY CONDITION CLEAR ISIBILITY AT ACCIDENT SITE 5 OR OVER	CIDENT SITE		P T W	UN PREC NO EMP 80 /IND 2	LIM IPI NE ERA VE	ITED TATION AT ACCIDENT SITE TURE-F LOCITY-KNOTS	:
	WEATHER - HIGH DENSITY ALT ITHER BRIEFING - SELF-HELF ITHER FORECAST - UNKNOWN/N (CONDITION SLEAR SIBILITY AT ACCIDENT SITE 5 OR OVER	YEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHEN ITHER FORECAST - UNKNOWN/NOT REPORTED CONDITION LEAR SIBILITY AT ACCIDENT SITE 5 OR OVER STRUCTIONS TO VISION AT ACCIDENT SITE HONE HO DIRECTION-DEGREES 180 PE OF WEATHER CONDITIONS	WEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA ITHER FORECAST - UNKNOWN/NOT REPORTED (CONDITION SLEAR SIBILITY AT ACCIDENT SITE S OR OVER STRUCTIONS TO VISION AT ACCIDENT SITE HONE HOD DIRECTION-DEGREES 180	VEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA ITHER FORECAST - UNKNOWN/NOT REPORTED (CONDITION (CONDITIONS (CONDITION (CONDITIONS (CONDITIONS (CONDITIONS (CONDITIONS (CONDITIONS	VEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP, PILOT CHECKED WEATHER DATA ITHER FORECAST - UNKNOWN/NOT REPORTED (CONDITION CEIL CLEAR UN SIBILITY AT ACCIDENT SITE PREC 5 OR OVER NO STRUCTIONS TO VISION AT ACCIDENT SITE TEMP HONE 80 ID DIRECTION-DEGREES WIND 20 20 OF WEATHER CONDITIONS TYPE	VEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA ITHER FORECAST - UNKNOWN/NOT REPORTED (CONDITION CEILING CEAR SIBILITY AT ACCIDENT SITE STRUCTIONS TO VISION AT ACCIDENT SITE NONE STRUCTIONS TO VISION AT ACCIDENT SITE NONE 10 DIRECTION-DEGREES 10 C 20 CF WEATHER CONDITIONS 10 DIRECTIONS 10 DIRECTI	WEATHER - HIGH DENSITY ALTITUDE ITHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA ITHER FORECAST - UNKNOWN/NOT REPORTED (CONDITION CEILING AT ACCIDENT SITE ILEAR UNLIMITED SIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE STRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 80 ND DIRECTION-DEGREES WIND VELOCITY-KNOTS 20 2 PE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN

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			BRIEFS	OF A	ссі	DEN	TS		
FILE			AIRCRAFT DATA		F	S M	/ N	PUR POS E	PILOT DATA
	9/7/73 TIME - 1	RAMASUN,THAILAND 040	BELL 204B N8535F DAMAGE-SUBSTANTIAL	CR-	0	0	3	INS TRUCTIONAL DUAL	COMMERCIAL, AGE 33, 6073 TOTAL HOURS, 1233 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTUR UDORN TYPE OF HARD L	, THA IL AND ACC ID ENT AND ING	INTENDED DESTINATION	HE GO		LA	NDI	F OPERATION NG POWER-OFF AUT ILAND.	OROTATIVE LANDING
3-0156	TIME - 1 DEPARTUR WEST TYPE OF	E POINT CAMERON BLK 194 ACCIDENT LER/ROTOR FAILURE M	N73968 DAMAGE-SUBSTANTIAL INTENDED DESTINATION CAMERON,LA		0	0 PHAS IN	2 E (F L	NONCOMMERCIAL CORP/EXEC OF OPERATION IGHT CLIMB TO CR NG POWER-OFF AUT	TOTAL HOURS, 344 IŃ TYPE, NOT INSTRUMENT RATED. UISE
	PROBABLE ROTORC MISCEL TERRAI FACTOR(S MISCEL EMERGENC	CAUSE(S) RAFT - TRANSMISSION LANEOUS ACTS,CONDITI N - ROUGH WATER) LANEOUS ACTS,CONDITI Y CIRCUMSTANCES - FO	ROTOR DRIVE SYSTEM FR ONS - ELONGATED ONS - AIRCRAFT CAME TO RCED LANDING OFF AIRPO HELING UNIT. FLOAT EQU	REST	IN	. UN	IIT TER		

FILE										
		LOCATION	AIRCRAFT DATA	INJU	RIES		F└IGHT	PILOT DATA		
		R.DHAHRAN, SAUD ARAB	BELL 206 N8162J DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 0	3 0	MISCELLAN EDUS TEST	COMMERCIAL, AGE 31, 4974 TOTAL HOURS, 793 IN TYPE NOT INSTRUMENT RATED.		
	DEPARTURE F DHAHRAN,S TYPE OF ACC HARD LAND	SAUD ARAB CIDENT	TENDED DESTINATION LOCAL	F	IN	FL	F OPERATION IGHT AUTOROTATIVE DESCEN NG LEVEL OFF/TOUCHDOWN			
	PILOT IN MISCELLAN FACTOR(S) PILOT IN WEATHER -	COMMAND - FAILED TO COMMAND - IMPROPER HEOUS ACTS,CONDITION COMMAND - MISJUDGED - HIGH DENSITY ALTIT	MAINTAIN ADEQUATE R OPERATION OF POWERPL S - OVERLOAD FAILURE DISTANCE,SPEED,AND UDE TOR DRIVE SYSTEM OT	ANT & PO	DWERP	PLA	NT CONTROLS			
	SKY CONDITI CLEAR VISIBILITY 5 OR OVER		UNL	IM PI	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITE					
	OBSTRUCTION NONE WIND DIRECT		98 /IND		TURE-F LOCITY-KNOTS					
	VFR	THER CONDITIONS			10 ГҮРЕ NON	-	FLIGHT PLAN			
3-2524	9/15/73 TIME - 1225		BELL 206B N83157 DAMAGE-SUBSTANTIAL				COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 25, 2298 TOTAL HOURS, 443 IN TYPE NOT INSTRUMENT RATED.		
	DEPARTURE F EUGENE I TYPE OF ACC	IS BLK 330A								
	FACTOR(S)	COMMAND - FAILED TO	SEE AND AVOID OBJEC							
	FIRE AFTER	IMPACT	 AIRPORT CONDITIONS PIPE PROTRUDNG THRU 		LED C	192				

FILE DATE LOCATION AIRCRAFT DATA INJURIES **FLIGHT** PILOT DATA F S M/N PURPOSE CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 49. 3-3548 11/29/73 EHIB 370 GULF MEX **BELL 212** N83235 PX- 0 0 9 AIR TAXI-PASSG 13881 TOTAL HOURS, 455 IN TIME - 0850 DAMAGE-NONE OT- 1 0 0 TYPE, NOT INSTRUMENT RATED. NAME OF AIRPORT - BLOCK 370 DEPARTURE POINT INTENDED DESTINATION SABINE, TEX EHIB 370 GULF MEX PHASE OF OPERATION TYPE OF ACCIDENT PROPELLER/ROTOR ACCIDENT TO PERSON STATIC IDLING ENGINE(S) PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER REMARKS- PAX LEFT HELICOPTER WITHOUT PLTS APPROVAL OR KNOWLEDGE.INJ PAX EXPIRED AT HOSPITAL.PAX NOT BRIEFED 3-3602 12/14/73 GULF OF MEXICO COMMERCIAL, AGE 33, 2093 BELL 47G-4A CR- 0 0 1 COMMERCIAL TIME - 0639 N6234N PX- 0 0 0 AIR TAXI-PASSG TOTAL HOURS, 65 IN TYPE. DAMAGE-SUBSTANTIAL OT- 0 1 0 INSTRUMENT RATED. NAME OF AIRPORT - SO.TIMBAL.BLK.151 DEPARTURE POINT INTENDED DESTINATION GULF OF MEXICO UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH ON GROUND STATIC IDLING ROTORS PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. PILOT IN COMMAND - MISJUDGED CLEARANCE AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES OTHER MISCELLANEOUS ACTS, CONDITIONS - CONGESTED RAMP/TAXIWAY REMARKS- PLT OF N6246N PREV TOLD PLT OF N6234N OF SPACE FOR ONE OPERATING HELI AT A TIME. 3-3602 12/14/73 GULF OF MEXICO BELL 47G-4A CR- 0 1 0 COMMERCIAL COMMERCIAL, AGE 39, 2343 TIME - 0639 N6246N PX- 0 0 0 AIR TAXI-PASSG TOTAL HOURS, 239 IN TYPE, DAMAGE-SUBSTANTIAL OT- 0 0 1 INSTRUMENT RATED. NAME OF AIRPORT - SO.TIMBAL.BLK.151 DEPARTURE POINT INTENDED DESTINATION GULF OF MEXICO UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH ON GROUND STATIC IDLING ROTORS PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT AIRPORTS/AIRWAYS/FACILITIES ~ AIRPORT FACILITIES OTHER MISCELLANEOUS ACTS, CONDITIONS - CONGESTED RAMP/TAXIWAY REMARKS- PLT OF N6246N STARTED ENG FIRST-ROOM FOR ONE RUNNING. ONE INOP.

BRIEFS OF ACCIDENTS

ERAULBRARY



