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**BRIEFS OF ACCIDENTS
INVOLVING
ROTORCRAFT
U.S. GENERAL AVIATION
1973**

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16. Abstract This publication contains reports of U. S. General Aviation Rotorcraft accidents occurring in 1973. Included are 277 accident Briefs, 28 of which involve fatal accidents. The brief format presents the facts, conditions, circumstances, and probable cause(s) for each accident. Additional statistical information is tabulated by type of accident, phase of operation, injury index, aircraft damage, pilot certificate, injuries and causal factor(s). This publication will be published annually.					
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FOREWORD

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

In 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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EXPLANATORY NOTES

Type of Accident:

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

Phase of Operation:

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

First and Second Type of Accident:

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

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

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

First and Second Phase of Operation:

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

Cause and Related Factors:

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

LIST OF ABBREVIATIONS USED IN BRIEFS

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

1973

INVOLVES	277	TOTAL	ACCIDENTS
INVOLVES	28	FATAL	ACCIDENTS

PAGE-IV

ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT	PILOT CERTIFICATE								RECORDS	ACCIDENTS	
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER			NONE
<u>INSTRUCTIONAL</u>											
DUAL			1	2	16	2				21	21
SOLO			1							1	1
CHECK	1				1					2	2
TRAINING	3		2	1						6	6
<u>NONCOMMERCIAL</u>											
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
<u>COMMERCIAL</u>											
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
OTHER			5							5	5
UNKNOWN/NOT REPORTED											

ANALYTIC TABLE

KIND OF FLYING BY PILOT CERTIFICATE

PILOT CERTIFICATE

KIND OF FLYING

MISCELLANEOUS

	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL INSTR.	COMMERCIAL/ FL INSTR.	ATR/ FL INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED	RECORDS	ACCIDENTS
EXPERIMENTATION	1										1	1
TEST	2	3			1	1					7	7
DEMONSTRATION			1			1					2	2
FERRY			5	1	4						10	10
SEARCH AND RESCUE			5								5	5
AIR SHOW/AIR RACING												
PARACHUTE JUMP												
PARACHUTE JUMP-AIR SHOW												
TOWING GLIDERS												
SEEDING CLOUDS												
HUNTING			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	18	162	7	64	11		3	2		279	
ACCIDENTS	12	18	161	7	64	11		3	2			277

ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS
	DESTROYED	SUBSTANTIAL	MINOR	NONE		
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
<u>COLLISION BETWEEN AIRCRAFT</u>						
BOTH IN FLIGHT	1				1	1
ONE AIRBORNE						
BOTH ON GROUND		4			4	2
<u>COLLISION WITH GROUND/WATER</u>						
CONTROLLED	5	15			20	20
UNCONTROLLED	15	21			36	36
<u>COLLIDED WITH</u>						
WIRES/POLES	8	16			24	24
TREES	3	5			8	8
RESIDENCE/S						
BUILDING/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

ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT

DESTROYED
SUBSTANTIAL
MINOR
NONE

RECORDS ACCIDENTS

<u>STALL</u>					
SPIN					
SPIRAL					
MUSH	2	1		3	3
<u>FIRE OR EXPLOSION</u>					
IN FLIGHT	2			2	2
ON GROUND					
<u>AIRFRAME FAILURE</u>					
IN FLIGHT	3	1		4	4
ON GROUND					
ENGINE TEARAWAY					
ENGINE FAILURE OR MALFUNCTION	11	73		84	84
<u>PROPELLER/ROTOR FAILURE</u>					
PROPELLER					
TAIL ROTOR	4	10		14	14
MAIN ROTOR	3	6		9	9
PROP ROTOR ACDNT 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	
ACCIDENTS	71	205	1		277

ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
<u>STATIC</u>						
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						
<u>TAXI</u>						
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
<u>TAKEOFF</u>						
RUN			1		1	1
INITIAL CLIMB	2	4	3	9	18	18
VERTICAL	1	2	6	11	20	20
RUNNING				1	1	1
ABORTEO						
ABORTED						
ABORTED				1	1	1
OTHER				2	2	2
<u>INFLIGHT</u>						
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						
BUZZING						
UNCONTROLLED DESCENT	2	3			5	5

ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

<u>FIRST OPERATIONAL PHASE</u>	<u>FATAL</u>	<u>SERIOUS</u>	<u>MINOR</u>	<u>NONE</u>	<u>RECORDS</u>	<u>ACCIDENTS</u>
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 TURNAROUND		2	1	6	9	9
CLEANUP SWATH				1	1	1
MANEUVER TO AVOID OBSTRUCTION				1	1	1
RETURN TO STRIP	1				1	1
<u>LANDING</u>						
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
ROLL				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	279	
ACCIDENTS	28	31	54	165		277

CAUSE/FACTOR TABLE
 ROTORCRAFT ACCIDENTS
 U.S. GENERAL AVIATION

1973

INVOLVES 277 TOTAL ACCIDENTS
 INVOLVES 28 FATAL ACCIDENTS

BROAD CAUSE/FACTOR -----	FATAL ACCIDENTS -----			NONFATAL ACCIDENTS -----			ALL ACCIDENTS -----		
	CAUSE	FACTOR	TOTAL*	CAUSE	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	2 .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
AIRPORTS/AIRWAYS/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

* IF AN ACCIDENT INCLUDES BOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

CAUSE/FACTOR TABLE
 ROTORCRAFT ACCIDENTS
 U.S. GENERAL AVIATION

1973

INVOLVES 277 TOTAL ACCIDENTS
 INVOLVES 28 FATAL ACCIDENTS

		FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
DETAILED CAUSE/FACTOR		CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **										
PILOT IN COMMAND										
ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT					2		2	2		2
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL		1		1	9	3	12	10	3	13
CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					2		2	2		2
DELAYED IN INITIATING GO-AROUND					1		1	1		1
DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT		1		1	8	1	9	9	1	10
FAILED TO SEE AND AVOID OTHER AIRCRAFT		1		1				1		1
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS		3		3	20		20	23		23
FAILED TO OBTAIN/MAINTAIN FLYING SPEED					4		4	4		4
MISJUDGED, SPEED, ALTITUDE OR CLEARANCE		1		1	1		1	2		2
FAILED TO MAINTAIN ADEQUATE ROTOR RPM		6		6	39		39	45		45
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT						1	1		1	1
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES ETC		2		2	4	3	7	6	3	9
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS					5		5	5		5
IMPROPER OPERATION OF FLIGHT CONTROLS		7		7	33	2	35	40	2	42
IMPROPER LEVEL OFF					5		5	5		5
IMPROPER IN-FLIGHT DECISIONS OR PLANNING		1		1	7	2	9	8	2	10
IMPROPER COMPENSATION FOR WIND CONDITIONS		1		1	4	1	5	5	1	6
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING			1	1	22	4	26	22	5	27
INADEQUATE SUPERVISION OF FLIGHT					12		12	12		12
LACK OF FAMILIARITY WITH AIRCRAFT		1		1	7	4	11	8	4	12
MISMANAGEMENT OF FUEL					12		12	12		12
EXERCISED POOR JUDGMENT		1	2	3	4	2	6	5	4	9
OPERATED CARELESSLY					1		1	1		1
SELECTED UNSUITABLE TERRAIN					7	2	9	7	2	9
SPONTANEOUS-IMPROPER ACTION					1		1	1		1
MISJUDGED DISTANCE, SPEED, AND ALTITUDE						1	1		1	1
MISJUDGED DISTANCE AND ALTITUDE					5		5	5		5
MISJUDGED SPEED AND ALTITUDE		1		1	32		32	33		33
MISJUDGED SPEED					1		1	1		1
MISJUDGED SPEED AND CLEARANCE					1		1	1		1
MISJUDGED ALTITUDE AND CLEARANCE					3		3	3		3
MISJUDGED ALTITUDE			1	1	4	1	5	4	2	6
MISJUDGED CLEARANCE					15		15	15		15
MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS					1		1	1		1
PHYSICAL IMPAIRMENT		1		1	1		1	2		2
SPATIAL DISORIENTATION		1		1	3		3	4		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		3	3		3
IMPROPER OPERATION OF FLIGHT CONTROLS					7		7	7		7
LACK OF FAMILIARITY WITH AIRCRAFT						2	2		2	2
MISJUDGED SPEED AND ALTITUDE					1		1	1		1
FAILED TO MAINTAIN DIRECTIONAL CONTROL					1		1	1		1
SUBTOTAL					17	3	20	17	3	20
CHECK PILOT										
IMPROPER LEVEL OFF					1		1	1		1

CAUSE/FACTOR TABLE

CHECK PILOT (CONTINUED)

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
MISJUDGED ALTITUDE				1		1	1		1
SUBTOTAL				2		2	2		2
** PERSONNEL **									
FLIGHT INSTRUCTOR									
INADEQUATE SUPERVISION OF FLIGHT					1	1		1	1
INADEQUATE TRAINING OF STUDENT					1	1		1	1
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE(MAINTENANCE PERSONNEL)				5		5	5		5
IMPROPERLY SERVICED AIRCRAFT(OWNER-PILOT)				1		1	1		1
INADEQUATE INSPECTION OF AIRCRAFT(MAINTENANCE PERSONNEL)				1	1	2	1	1	2
INADEQUATE INSPECTION OF ACFT(OWNER-PILOT PERSONNEL)	1		1				1		1
INADEQUATE MAINTENANCE AND INSPECTION	2		2	12	1	13	14	1	15
OTHER				1		1	1		1
OPERATIONAL SUPERVISORY PERSONNEL									
INADEQUATE FLIGHT TRAINING-PROCEDURES		1	1					1	1
WEATHER PERSONNEL									
TRAFFIC CONTROL PERSONNEL									
AIRPORT SUPERVISORY PERSONNEL									
AIRWAYS FACILITIES PERSONNEL									
PRODUCTION-DESIGN-PERSONNEL									
POOR/INADEQUATE DESIGN				1		1	1		1
MISCELLANEOUS-PERSONNEL									
PILOT OF OTHER AIRCRAFT	1		1	2		2	3		3
GROUND CREWMAN				2		2	2		2
PASSENGER	1		1	1		1	2		2
OTHER				1		1	1		1
THIRD PILOT									
FLIGHT ENGINEER									
DISPATCHING									
SUBTOTAL	5	1	6	27	4	31	32	5	37
** AIRFRAME **									
WINGS									
NACELLES, PODS, PYLONS				1		1	1		1
FUSELAGE									
OTHER	1		1				1		1
LANDING GEAR									
FLIGHT CONTROL SURFACES									
SUBTOTAL	1		1	1		1	2		2
** POWERPLANT **									
ENGINE STRUCTURE									
MASTER AND CONNECTING RODS				5		5	5		5
PISTON, PISTON RINGS				2		2	2		2
VALVE ASSEMBLIES				1		1	1		1
MOUNT AND VIBRATION ISOLATORS	1		1				1		1
OTHER				5		5	5		5
IGNITION SYSTEM									
MAGNETOES				3		3	3		3
SPARK PLUG				1		1	1		1
FUEL SYSTEM									
LINES AND FITTINGS				2		2	2		2
CARBURETOR				1		1	1		1
PUMPS				5		5	5		5
RAM AIR ASSEMBLY				1		1	1		1
LUBRICATING SYSTEM									
VALVES				1		1	1		1
COOLING SYSTEM									
OTHER				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

CAUSE/FACTOR TABLE

POWERPLANT (CONTINUED)

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
MIXTURE CONTROL ASSEMBLIES				1		1	1		1
POWERPLANT-INSTRUMENTS									
FUEL QUANTITY GAUGE					2	2		2	2
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS	1		1	22		22	23		23
REDUCTION GEAR ASSEMBLY									
COMPRESSOR ASSEMBLY									
BLADE, COMPRESSOR ROTOR				1		1	1		1
FAN				1		1	1		1
OTHER				1		1	1		1
COMBUSTION ASSEMBLY									
TURBINE ASSEMBLY									
ACCESSORY DRIVE ASSEMBLY									
LUBRICATING SYSTEM									
FUEL SYSTEM									
OTHER				1		1	1		1
SAFETY SYSTEM									
IGNITION SYSTEM									
TORQUEMETER									
AIR BLEED									
EXHAUST SYSTEM									
THRUST REVERSER									
PROPELLER SYSTEM									
CONSTANT SPEED DRIVE									
POWER LEVER									
PROPELLER LEVER									
REVERSE THRUST LEVER									
ENGINE INDICATING EQUIPMENT									
ENGINE INSTALLATION									
SUBTOTAL	2		2	61	3	64	63	3	66
** SYSTEMS **									
ELECTRICAL SYSTEM									
HYDRAULIC SYSTEM									
FLIGHT CONTROL SYSTEMS									
FLIGHT CONTROL BOOST SYSTEM (HYDRAULIC)					1	1		1	1
ANTI-ICING, DE-ICING SYSTEMS									
AIR CONDITION, HEATING AND PRESSURIZATION									
AUTO PILOT									
FIRE WARNING SYSTEM									
FIRE EXTINGUISHER SYSTEM									
OXYGEN SYSTEM									
OTHER SYSTEMS									
OTHER		1	1					1	1
SUBTOTAL		1	1		1	1		2	2
** INSTRUMENTS/EQUIPMENT AND ACCESSORIES **									
FLIGHT AND NAVIGATION INSTRUMENTS									
COMMUNICATIONS AND NAVIGATION EQUIPMENT									
MISCELLANEOUS EQUIPMENT									
SPRAY, DUSTING EQUIPMENT				1	1	2	1	1	2
OTHER				1		1	1		1
SUBTOTAL				2	1	3	2	1	3
** ROTORCRAFT **									
ROTOR ASSEMBLIES									
MAIN ROTOR BLADES		1	1					1	1
TAIL ROTOR BLADES				5		5	5		5
MAIN ROTOR HEAD ASSEMBLIES				2		2	2		2
TRANSMISSION ROTOR DRIVE SYSTEM									
ENGINE DRIVE SHAFT				1		1	1		1
MAIN ROTOR DRIVE SHAFT	1		1				1		1
FREE WHEEL UNIT				1		1	1		1
MAIN ROTOR GEAR BOX				1		1	1		1
MAIN ROTOR PULLEYS, BELTS				1	1	2	1	1	2
TAIL ROTOR DRIVE SHAFT ASSEMBLY	2		2	3		3	5		5

CAUSE/FACTOR TABLE

ROTORCRAFT (CONTINUED)

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

CAUSE/FACTOR TABLE

MISCELLANEOUS (CONTINUED)

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
GRAND TOTAL	52	21	73	491	155	646	543	176	719
** MISCELLANEOUS ACTS, CONDITIONS **									
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE				1		1	1		1
DISREGARD OF GOOD OPERATING PRACTICE				1		1	1		1
IMPROPER EMERGENCY PROCEDURES				1	1	2	1	1	2
NOT ALLIGNED WITH RUNWAY/INTENDED LANDING AREA					1	1		1	1
UNWARRANTED LOW FLYING	1		1				1		1
POORLY PLANNED APPROACH				1		1	1		1
MISCALCULATED FUEL CONSUMPTION				3	1	4	3	1	4
JETTISONED LOAD					3	3		3	3
STOLEN OR UNAUTHORIZED USE OF AIRCRAFT					1	1		1	1
IMPROPERLY SECURED				3		3	3		3
FATIGUE FRACTURE	4		4	8		8	12		12
HYDRAULIC FAILURE					1	1		1	1
WINDSHIELD, DIRTY, FOGGY, ETC-RESTRICTED VISION				1	1	2	1	1	2
SEPARATION IN FLIGHT		4	4		3	3		7	7
FIRE IN ENGINE				1	1	2		1	2
LATERAL IMBALANCE				2	2	4	2	2	4
CORRODED/CORROSION	1	1	2				1	1	2
CONGESTED TRAFFIC-PATTERN				1		1	1		1
PILOT FATIGUE					2	2		2	2
FUEL EXHAUSTION				12		12	12		12
CARBON MONOXIDE POISONING	1		1				1		1
ICE-CARBURETOR				1		1	1		1
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG				3	3	6		3	6
INTERFERENCE WITH FLIGHT CONTROLS				2		2	2		2
SUNGLARE					1	1		1	1
LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM				4		4	4		4
OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM				1		1	1		1
SIMULATED CONDITIONS				5	11	16	5	11	16
WATER IN FUEL				1		1	1		1
AIRCRAFT CAME TO REST IN WATER		2	2		13	13		15	15
FROZEN, MOISTURE				1		1	1		1
MISSING	1		1				1		1
OVERLOAD FAILURE	1	1	2	2		2	3	1	4
MATERIAL FAILURE	1		1	21	2	23	22	2	24
FUEL STARVATION				9		9	9		9
IMPROPER CLEARANCE-TOLERANCE				1		1	1		1
ACTION, LACK OF				1		1	1		1
POOR WELD		1	1					1	1
PREVIOUS DAMAGE		1	1	2	2	4	2	3	5
LEAK/LEAKAGE				2		2	2		2
DOWNDOWN					6	6		6	6
CARBON DEPOSITS				1		1	1		1
OVER TORQUED				1		1	1		1
GROUND RESONANCE				2		2	2		2
BINDING				2		2	2		2
CHAFFED				2		2	2		2
DISCONNECTED	1		1	2		2	3		3
ELONGATED				1		1	1		1
EXCESSIVE-WEAR/PLAY				1		1	1		1
ERRATIC					1	1		1	1
GROUNDING				1		1	1		1
IMPROPERLY INSTALLED				2		2	2		2
JAMMED				1		1	1		1
OBSTRUCTED				1		1	1		1
OVERHEATED				1		1	1		1
PRESSURE TOO LOW				1		1	1		1
SHEARED				2		2	2		2
STUCK				1		1	1		1
EXCESSIVE TEMPERATURE				1		1	1		1
VIBRATION, EXCESSIVE				1	1	2	1	1	2
CONGESTED RAMP/TAXIWAY				2	1	3	2	1	3
LOAD NOT JETTISONED				3	8	11	3	8	11

DIRECT ENTRY CAUSES

PILOT-SETTLED WITH PWR INTO TALL CORN.
 ROTORCRAFT - MISC EXTERNAL CARGO SLING.
 POWER SETTLING.
 PILOT IN COMMAND - ALLOWED CABLE 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

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 F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2137	7/1/73 TIME - 1810	MONTGOMERY, ALA	BENSEN B8M N3704 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	NO CERTIFICATE, AGE 36, 45 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SNOWDEN, ALA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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.						
3-0121	1/23/73 TIME - 1605	ANCHORAGE, ALAS	BELL 205A N4049G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 8	COMMERCIAL AIR TAXI-PASSG	ATR, FLIGHT INSTR., AGE 35, 3054 TOTAL HOURS, 2600 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - BELUGA DEPARTURE POINT ANCHORAGE, ALAS	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION TAKEOFF 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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0503	3/19/73 TIME - 1615	GIRDWOOD, ALAS	HILLER ACFT FH1100 N519FH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 3878 TOTAL HOURS, 1817 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION TURNAGAIN PASS, ALAS TIN CAN MTN, ALAS TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT NORMAL CRUISE PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS REMARKS- HIT UNMARKED PWR LINES. CONT FLT AND LND OK.						
3-1145	5/3/73 TIME - 1420	JUNEAU, ALAS	BELL 206A N7817S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	ATR, FLIGHT INSTR., AGE 27, 2682 TOTAL HOURS, 361 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION JUNEAU, ALAS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS IN FLIGHT OTHER DITCHING LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS - FOREIGN OBJECT DAMAGE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT MISCELLANEOUS ACTS, CONDITIONS - JETTISONED LOAD WEATHER - UNFAVORABLE WIND CONDITIONS MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER SKY CONDITION CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED 4000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 45 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 225 10 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- WIND GUSTING 25K. SLING LOAD HIT T/R AFT STARTNG FWD FM HOVER. INFLATABLE FLOATS NOT ARMED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1859	6/26/73 TIME - 1535	NR. JUNEAU, ALAS	HILLER ACFT UH-12E N5360J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE UNK/NR, 2180 TOTAL HOURS, 292 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT TAKU HARBOR, ALAS	INTENDED DESTINATION ARTHUR PEAK, ALAS			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT POWER-ON DESCENT 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 TIME - 1105	ANCHORAGE, ALAS	HILLER ACFT FH1100 N5052F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 0 0 1	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 28, 2950 TOTAL HOURS, 500 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - ANCHORAGE INTL DEPARTURE POINT ANCHORAGE, ALAS	INTENDED DESTINATION MCGRATH, ALAS			
		TYPE OF ACCIDENT COLLISION WITH AIRCRAFT BOTH ON GROUND	PHASE OF OPERATION STATIC STARTING ENGINE(S)			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- M/R BLADES MESHED.						
3-2698	7/6/73 TIME - 1105	ANCHORAGE, ALAS	HILLER ACFT FH1100 N755FH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 0 0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 30, 2600 TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - ANCHORAGE INTL DEPARTURE POINT ANCHORAGE, ALAS	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH AIRCRAFT BOTH ON GROUND	PHASE OF OPERATION STATIC IDLING ROTORS			
PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT REMARKS- M/R BLADES MESHED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1855	7/9/73 TIME - 1300	NR.TALKEETNA,ALAS	BELL 206B N58110 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	ATR, FLIGHT INSTR., AGE 35, 4166 TOTAL HOURS, 1056 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE POINT TALKEETNA,ALAS		INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
TYPE OF ACCIDENT ROLL OVER						
PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN						
FACTOR(S) TERRAIN - OTHER						
REMARKS- ATTEMPTED LDG ON LAKE EDGE IN 6-8 IN WATER.SKID SLIPPED OFF ROCK.PULLED COLLECTIVE,AUTO ROTATED.						
3-1854	7/11/73 TIME - 1400	NR.BETTLES,ALAS	HILLER ACFT UH-12E N9743C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 26, 3070 TOTAL HOURS, 1350 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE POINT BETTLES,ALAS		INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-ON LANDING		
TYPE OF ACCIDENT HARD LANDING ROLL OVER						
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 WEATHER FORECAST - UNKNOWN/NOT REPORTED						
SKY CONDITION UNKNOWN/NOT REPORTED				CEILING AT ACCIDENT SITE 6000		
VISIBILITY AT ACCIDENT SITE 5 OR OVER				PRECIPITATION AT ACCIDENT SITE NONE		
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 40		
WIND DIRECTION-DEGREES 180				WIND VELOCITY-KNOTS 20		
TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE		
REMARKS- ATTEMPTED LDG ON MTN RIDGE,WIND GUSTING TO 30K. GEOLOGICAL STUDIES.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2982	7/17/73	NR. JUNEAU, ALAS	HILLER ACFT UH12L4 N90470	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 24, 2426 TOTAL HOURS, 840 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1000		DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL			
	DEPARTURE POINT JUNEAU, ALAS				PHASE OF OPERATION TAKEOFF VERTICAL LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE ROLL OVER	MAIN ROTOR				
	PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- TORSIONAL COUPLING HOUSING FAILED, ORIGIN UNDET.					
3-1882	7/25/73	NR. KETCHIKAN, ALAS	HUGHES 369HS N9142F	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 924 TOTAL HOURS, 313 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1120		DAMAGE-SUBSTANTIAL INTENDED DESTINATION PORT JOHNSON, ALAS			
	DEPARTURE POINT KITKUN BAY, ALAS				PHASE OF OPERATION LANDING POWER-ON LANDING LANDING POWER-ON LANDING	
	TYPE OF ACCIDENT HARD LANDING ROLL OVER					
	PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - WINDSHIELD, DIRTY, FOGGY, ETC.-RESTRICTED VISION WEATHER - LOW CEILING WEATHER - RAIN 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 EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT ADVERSE/UNFAVORABLE WEATHER					
	SKY CONDITION OVERCAST				CEILING AT ACCIDENT SITE 500	
	VISIBILITY AT ACCIDENT SITE 2 MILES OR LESS				PRECIPITATION AT ACCIDENT SITE RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG				TEMPERATURE-F 50	
	TYPE OF WEATHER CONDITIONS IFR				TYPE OF FLIGHT PLAN NONE	
	REMARKS- CANOPY FOGGED OVER. PLT ATTEMPTED INSTRUMENT LDG					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3480	7/30/73 TIME - 1205	NR.KETCHIKAN,ALAS	HUGHES 369HS N177ST DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 2 0	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 55, 10287 TOTAL HOURS, 150 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT KETCHIKAN,ALAS	INTENDED DESTINATION RETURN	LAST ENROUTE STOP FRANCIS COVE,ALAS		
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN OBJECT DAMAGE						
TERRAIN - ROUGH/UNEVEN						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
REMARKS- HEARD LOUD SNAP,UN MNTN DIR CNTL.NO PRE-IMPACT METAL DISTRESS NOTED EXCEPT GOUGE TO LEAD EDGE T/R.						
3-1849	8/7/73 TIME - 1245	NR.WASILLA,ALAS	BELL 206A N1472W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 1 0	MISCELLANEOUS OTHER PUBLIC	ATR,FLIGHT INSTR., AGE 44, 7002 TOTAL HOURS, 98 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PALMER,ALAS	INTENDED DESTINATION WASILLA,ALAS	PHASE OF OPERATION LANDING FINAL APPROACH		
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
FIRE AFTER IMPACT						
REMARKS- HIT PARTIALLY CONCEALED WIRES. FAA PLT IN FAA RENTAL ACFT.						
3-3207	8/7/73 TIME - 1055	NR.COLD BAY,ALAS	BELL 206A N6238N DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE UNK/NR, 1596 TOTAL HOURS, 766 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CANOE BAY,ALAS	INTENDED DESTINATION PAVLOF BAY,ALAS	PHASE OF OPERATION TAKEOFF VERTICAL		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED			
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
REMARKS- ACFT ROLLED OVER AFT TKOF.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1847	8/8/73 TIME - 0001	OLIKTOK, ALAS	HILLER ACFT FH1100 N5048F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL INSTR., AGE 23, 2001 TOTAL HOURS, 77 IN TYPE, NOT INSTRUMENT 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 FOG 42 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 TIME - 1600	NR.UMIAT, ALAS	HILLER ACFT FH1100 N546FH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 2076 TOTAL HOURS, 290 IN TYPE, 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2228	8/14/73 TIME - 0800	NR.BETTLES,ALAS	ALOUETTE SA318B N7329 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 1500 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BETTLES,ALAS	INTENDED DESTINATION UNKNOWN/NOT REPORTED			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR	PHASE OF OPERATION TAKEOFF VERTICAL LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION TERRAIN - ROUGH/UNEVEN						
FACTOR(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC. MISCELLANEOUS ACTS,CONDITIONS - VIBRATION,EXCESSIVE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PLT LND TWICE ENRTE DUE VIBRATION.2ND LDG MECH CKD ACFT.CONT FLT.T/R DRIVE SHAFT BEARING FAILED.						
3-3599	10/1/73 TIME - 1950	NR.KENAI,ALAS	SUDAVIATION SA318C N8452 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS FERRY	AIRLINE TRANSPORT, AGE 28, 2205 TOTAL HOURS, 136 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT KENAI,ALAS	INTENDED DESTINATION SS PHILADELPHIA			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE FACTOR(S) TERRAIN - OTHER REMARKS- CO.FLT PLAN VFR. DRK NIGHT NO HORIZ REF SPARSE LTG IN AREA. HIT WATER CONT FLT TO DEST						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3724	10/23/73 TIME - 1425	FAIRBANKS, ALAS	HILLER ACFT FH1100 N369FH DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 38, 3725 TOTAL HOURS, 500 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MERRIC, INC. DEPARTURE POINT INTENDED DESTINATION FAIRBANKS, ALAS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS IN FLIGHT OTHER ROLL OVER LANDING OTHER PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY SECURED PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT LATERAL CONTROL PROBLEM SUSPECTED MECHANICAL DISCREPANCY FIRE AFTER IMPACT REMARKS- TEST FLT. LOST BOLT CAUSED LOSS OF LATERAL CYCLIC CONTROL						
3-1798	6/23/73 TIME - 1600	CHANDLER, ARIZ	HUGHES 269B N9569F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 23, 1315 TOTAL HOURS, 172 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE POINT INTENDED DESTINATION PHOENIX, ARIZ TUCSON, ARIZ TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED 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 110 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 135 12 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- SIM FORCED LG.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3537	7/27/73 TIME - 0630	NR.YUMA, ARIZ	BELL 47G-5 N2294W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 32, 6600 TOTAL HOURS, 3500 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT YUMA, ARIZ	INTENDED DESTINATION DOME VALLEY, ARIZ			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS POWERPLANT - FUEL SYSTEM RAM AIR ASSEMBLY PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 49 KIND OF CROP - COTTON PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES REMARKS- BROWN DEPOSITS FOUND IN CARB, INTAKE MANIFOLD PIPES & VALVES.						
3-3095	9/28/73 TIME - 1700	TUCSON, ARIZ	HILLER ACFT UH-12B N7299 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 25, 2119 TOTAL HOURS, 205 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - FREEWAY DEPARTURE POINT TUCSON, ARIZ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	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 LDG.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3072	10/16/73 TIME - 1220	SUNFLOWER, ARIZ	HILLER ACFT FH1100 N436FH DAMAGE-DESTROYED INTENDED DESTINATION RETURN	CR- 0 0 1 PX- 0 0 2	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 26, 1827 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT SCOTTSDALE, ARIZ TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE ROLL OVER PHASE OF OPERATION LANDING POWER-ON LANDING 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 TIME - 1523	NR. TUCSON, ARIZ	BELL 206B N42AL DAMAGE-SUBSTANTIAL INTENDED DESTINATION ALBUQUERQUE, N MEX	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 2618 TOTAL HOURS, 514 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT TUCSON, ARIZ TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1947	8/9/73 TIME - 0555	BLACK ROCK,ARK	BELL 47G N163B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 46, 6834 TOTAL HOURS, 1134 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT BLACK ROCK,ARK		INTENDED DESTINATION LOCAL				
TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				PHASE OF OPERATION IN FLIGHT PULLUP FROM SWATH RUN		
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 - AVAILABLE-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.						
3-3346	9/18/73 TIME - 1740	NR.VIOLA,ARK	BELL 47G2 N2870B DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 32, 3073 TOTAL HOURS, 326 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE POINT VIOLA,ARK		INTENDED DESTINATION LOCAL				
TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE COLLIDED WITH TREES		TAIL 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 OPERATION - SEEDING FORESTS		
KIND OF CROP - PASTURE				TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED		
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 - SIDES				TERRAIN-TYPE - HILLY		
ELEVATION-AREA BEING TREATED- FEET - 700				SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED		
PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN						
REMARKS- TAIL ROTOR BLADE P/N 47-642-102-43 FAILED IN BLADE GRIP AREA.FLT AT LOW ALT HIT TREES ON HILLSIDE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2776	9/29/73 TIME - 1700	LITTLE ROCK, ARK	BELL 47G2A1 N73970 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL INSTR., AGE 42, 16000 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - STATE FAIR GRNDS DEPARTURE POINT INTENDED DESTINATION LITTLE ROCK, ARK 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 - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT REMARKS- PLT REMOVED HAND FROM COLLECTIVE TO ADJUST CARB HEAT, PITCH CHANGED, FOLLOWED BY LOSS OF ROTOR RPM.						
3-0169	1/27/73 TIME - 1400	MARYSVILLE, CALIF	BELL 47D1 N10190 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 43, 8760 TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION UNKNOWN/NOT REPORTED UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT TERRAIN - HIGH OBSTRUCTIONS SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 7500 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 40 REMARKS- HIT WIRES, SPRAYING PEACH TREES. KIND OF OPERATION - OTHER TYPE OF CHEMICAL USED - DRY CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - DENSE WITH TREES SWATH RUN-HOW FLOWN - UPWIND						
3-0655	1/28/73 TIME - 1332	ADELANTO, CALIF	PHANEUF B8 NONE DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 20, 50 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EL MIRAGE DEPARTURE POINT INTENDED DESTINATION ADELANTO, CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT MISCELLANEOUS ACTS, CONDITIONS - CARBON MONOXIDE POISONING REMARKS- 34 PERCENT CARBON MONOXIDE IN BLOOD. CRASHED DURG SLOW, LOW ALT TURN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0255	2/9/73 TIME - 1215	TORRANCE,CALIF	HUGHES 269B N9400F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 46, 3181 TOTAL HOURS, 26 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT -	TORRANCE MUNI				
	DEPARTURE POINT	INTENDED DESTINATION				
	TORRANCE,CALIF	LOCAL				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	HARD LANDING				LANDING ROLL-ON/RUN-ON	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND -	IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS				
	PILOT IN COMMAND -	MISJUDGED SPEED AND ALTITUDE				
3-0410	2/15/73 TIME - 1422	SALINAS,CALIF	BENSEN B-8M N2546 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 24, 33 TOTAL HOURS, 14 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT -	SALINAS				
	DEPARTURE POINT				LAST ENROUTE STOP	
	SALINAS,CALIF				LOCAL	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	PROPELLER/ROTOR FAILURE	MAIN ROTOR			TAXI TO TAKEOFF	
	PROBABLE CAUSE(S)					
	PERSONNEL -	MAINTENANCE,SERVICING,INSPECTION OTHER				
	MISCELLANEOUS ACTS,CONDITIONS -	IMPROPERLY INSTALLED				
	REMARKS-	OWNER INSTLD BRG BLOCK BACKWARDS ON GIMBLE HEAD.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0411	2/18/73 TIME - 1345	ADELANTO,CALIF	BENSEN B-8M N1571 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 35, 34 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EL MIRAGE DEPARTURE POINT ADELANTO,CALIF INTENDED DESTINATION LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION ROLL OVER LANDING LEVEL OFF/TOUCHDOWN LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CLEAR CEILING AT ACCIDENT SITE UNLIMITED VISIBILITY AT ACCIDENT SITE 5 OR OVER PRECIPITATION AT ACCIDENT SITE NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 45 WIND VELOCITY-KNOTS 15 TYPE OF WEATHER CONDITIONS VFR TYPE OF FLIGHT PLAN NONE REMARKS- MCCULLOCH ENG.NO FLT INSTR ENDORCEMENT FOR SOLO FLT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0431	2/18/73 TIME - 1300	GRIDLEY,CALIF	BELL 47G3B1 N73288 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 22, 967 TOTAL HOURS, 139 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - AG STRIP DEPARTURE POINT INTENDED DESTINATION GRIDLEY,CALIF LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES PHASE OF OPERATION IN FLIGHT PROC-EDURE TURNAROUND LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM LINES AND FITTINGS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION TERRAIN - HIGH OBSTRUCTIONS FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND 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.						
3-0357	2/24/73 TIME - 1015	HIGHLAND,CALIF	SCORPION UXCR-1 N3095 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 50, 1422 TOTAL HOURS, 16 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NORTON AFB DEPARTURE POINT INTENDED DESTINATION HIGHLAND,CALIF LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION IN FLIGHT OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- DESCENDED OUT OF CTL DURG L TURN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0413	3/1/73 TIME - 0921	LIVE OAK, CALIF	HILLER UH-12B N5366V DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 42, 1000 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BOWLES AIRPORT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION IN FLIGHT SWATH RUN			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 5000			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - FRUIT ORCHARDS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC			
PILOT'S SEAT BELT - FASTENED-PROPERLY			GOGGLES - 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 - 1300			
SWATH RUN-HOW FLOWN - WIND CALM						
3-0436	3/18/73 TIME - 1610	STOCKTON, CALIF	BELL 47G-2 N5162B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 26, 2438 TOTAL HOURS, 210 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT STOCKTON, CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES COLLISION WITH GROUND/WATER	PHASE OF OPERATION IN FLIGHT SWATH RUN IN FLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 2439			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - OTHER			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC			
PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - USED			
GOGGLES - USED			CRASH HELMET - AVAILABLE-USED			
TANK/HOPPER-LOCATION - SIDES			TERRAIN-TYPE - LEVEL, FLAT			
ELEVATION-AREA BEING TREATED- FEET - -0004			SWATH RUN-HOW FLOWN - CROSSWIND			

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0766	4/23/73 TIME - 1510	COALINGA, CALIF	BENSEN B8M N310 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 35, 45 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - COALINGA DEPARTURE POINT INTENDED DESTINATION COALINGA, CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED 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 65 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 10 10 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- PLANNED TO RUN TAXI TEST. ACFT BECAME AIRBORNE AND CRASHED DURG LOW ALT DOWNWIND TURN.						
3-1109	5/4/73 TIME - 0956	GOLETA, CALIF	ENSTROM F-28A N9572 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 21, 726 TOTAL HOURS, 14 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SANTA BARBARA DEPARTURE POINT INTENDED DESTINATION GOLETA, CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- M/R SEVERED TAIL BOOM. HAD BEEN IN 3 FT HOVER. NEAR MAX GROSS WT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1102	5/10/73 TIME - 0930	KING CITY,CALIF	BELL 47G-2A N2889B DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 30, 1812 TOTAL HOURS, 375 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MESA DEL REY DEPARTURE POINT INTENDED DESTINATION KING CITY,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH OBJECT IN FLIGHT SWATH RUN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS 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	5/23/73 TIME - 1455	SAN FRNANDO,CALIF	BELL 47G N2473B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 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 LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - OTHER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT. REMARKS- NR 3 CONROD BOLTS FAILED. LND TAIL LOW AVOIDING LOW FENCE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1125	6/9/73 TIME - 0900	KETTLMN CTY,CALIF	BELL 47G-2 N6720D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 36, 2050 TOTAL HOURS, 1675 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT KETTLMN CTY,CALIF	INTENDED DESTINATION BAKERSFIELD,CALIF			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION IN FLIGHT LOW PASS			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS TERRAIN - OTHER						
REMARKS- GEOLOGICAL SURVEY FLT 30-40 FT AGL. HIT PWR LINES THAT BLENDED INTO TERRAIN.POLES SET 900FT APART.						
3-1816	6/19/73 TIME - 1345	CASTROVILLE,CALIF	BENSEN B-8M N2546 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 24, 30 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - ATWOOD STRIP	INTENDED DESTINATION LOCAL			
		DEPARTURE POINT CASTROVILLE,CALIF	LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
3-3275	6/25/73 TIME - 0919	GLASSEL PRK,CALIF	BELL 206B N48531 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 47, 11000 TOTAL HOURS, 35 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT BURBANK,CALIF	INTENDED DESTINATION SAN CLEMENTE,CALIF			
		TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH WIRES/POLES	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE IN FLIGHT AUTOROTATIVE DESCENT			
PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM ENGINE DRIVE SHAFT ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE TEMPERATURE MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE TERRAIN - HIGH OBSTRUCTIONS						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- INPUT SHAFT FWD COUPLING(P/N2060401085) & DRAG PIN ASSY(P/N2060315095).ABT 200FT AGL.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2233	6/28/73 TIME - 0720	SALINAS,CALIF	HILLER ACFT UH-12C N9734C DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 54, 11949 TOTAL HOURS, 1540 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - SALINAS DEPARTURE POINT INTENDED DESTINATION QUAIL CREEK,CALIF LOCAL TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN IN FLIGHT UNCONTROLLED DESCENT PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 9999 KIND OF CROP - LETTUCE PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - 82 PROCEDURE TURNAROUND - THIRD 1/3 OF TURN REMARKS- MN ROTOR HUB ASSEMBLY,P/N 51437-7,FRACTURED THRU COUNTER BALANCE STUDS.						
3-2393	6/29/73 TIME - 0930	NR.BELDEN,CALIF	BELL 47G3B1 N8465E DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 29, 2354 TOTAL HOURS, 236 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION BELDEN HELIPRT CALIF LOCAL TYPE OF ACCIDENT ROLL OVER LAST ENROUTE STOP MOSQUITO CREEK HELIP PHASE OF OPERATION IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER MISCELLANEOUS ACTS,CONDITIONS - LATERAL IMBALANCE REMARKS- ONE PAX STOOD ON SKID,OTR PAX LEANED OVR.						
3-3445	7/5/73 TIME - 0545	NR.SALINAS,CALIF	BELL 47G-2 N6728D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 23, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION SALINAS,CALIF LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2716	7/13/73 TIME - 0430	GONZALEZ,CALIF	HILLER ACFT UH-12C N5320V DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 25, 2600 TOTAL HOURS, 207 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT AG LOADING AREA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION TAKEOFF INITIAL CLIMB		
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2500 KIND OF CROP - OTHER PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 50						
				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		
REMARKS- REDUCED VSBY.AFTER SEEING WIRES ATMTD TO UNDERFLY,SKIDS STRUCK GROUND.						
3-2721	8/20/73 TIME - 0930	NR.HAPPY CAMP,CALIF	BELL 47G-3B N7958J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 23, 1800 TOTAL HOURS, 186 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT HAPPY CAMP,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH OBJECT		PHASE OF OPERATION LANDING POWER-ON LANDING		
PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
REMARKS- MAIN ROTOR STRUCK OBSTRUCTIONS AT MOUNTAIN HELIPORT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2720	8/25/73 TIME - 1030	NR.SAN ANDREAS,CALIF	BELL 206B N165FD DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 2 0	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 34, 6400 TOTAL HOURS, 600 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT COLUMBIA,CALIF	INTENDED DESTINATION LOCAL			PHASE OF OPERATION TAKEOFF INITIAL CLIMB	
	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					
	REMARKS- ACFT STRUCK WIRE.					
3-3481	8/31/73 TIME - 1152	SANTA CLARA,CALIF	BELL 47G-5 N4754R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL BUSINESS	AIRLINE TRANSPORT, AGE 31, 4800 TOTAL HOURS, 253 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT OAKLAND,CALIF	INTENDED DESTINATION LOCAL			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH BUILDING(S)				LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM MAGNETOS MISCELLANEOUS ACTS,CONDITIONS - GROUNDED TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LNDD IN SHOPPING CENTER.					
3-2951	9/8/73 TIME - 1500	SALINAS,CALIF	BENSEN B8M N3196 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 50, 254 TOTAL HOURS, 197 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - PRIVATE RANCH					
	DEPARTURE POINT SALINAS,CALIF	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING ROLL	
	TYPE OF ACCIDENT COLLIDED WITH DIRT BANK ROLL OVER				LANDING ROLL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS HIDDEN HAZARD REMARKS- PILE OF DIRT 2FT HIGH AND 3FT LONG OBSCURED BY GRASS.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2635	9/9/73 TIME - 0935	SLOUGHHOUSE,CALIF	HUGHES 269 N8759F DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 45, 2769 TOTAL HOURS, 1983 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - RANCHO MURIETA DEPARTURE POINT INTENDED DESTINATION FAIR OAKS,CALIF LOCAL 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 - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - GROUND RESONANCE FACTOR(S) DUAL STUDENT - LACK OF FAMILIARITY WITH AIRCRAFT DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- STONT PLT CLSD THROTTLE,BOTTOMED COLLECTIVE ATMTNG TO INCRS RPM,RESONANCE POST-IMPACT.						
3-2833	9/14/73 TIME - 0930	BRENTWOOD,CALIF	HILLER ACFT UH-12C N5330V DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 1852 TOTAL HOURS, 900 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION BRENTWOOD,CALIF LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT SWATH RUN COLLISION WITH GROUND/WATER CONTROLLED 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 CROP - LETTUCE PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - 3 REMARKS- ENG FAIL TOO LOW TO AFFECT RECOVERY.						
KIND OF OPERATION - SPRAYING CROPS 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 - WIND CALM						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2719	9/25/73 TIME - 0515	PACIFICA,CALIF	BELL 47G2 N6730C DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 27, 2680 TOTAL HOURS, 300 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT OCEAN PLATFORM	INTENDED DESTINATION PACIFICA,CALIF	PHASE OF OPERATION TAKEOFF INITIAL CLIMB		
		TYPE OF ACCIDENT COLLIDED WITH OBJECT				
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- STRUCK SAFETY NET SUPPORT BACKING OFF PLTFRM.PLTFRM NOT ILLUMINATED.						
3-3942	10/2/73 TIME - 2039	OAKLAND,CALIF	HUGHES 269C N9628F DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL.INSTR., AGE 47, 4326 TOTAL HOURS, 1800 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT OAKLAND,CALIF	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLIDED WITH BUILDING(S)				
		LANDING POWER-OFF AUTOROTATIVE LANDING				
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 IMPACT						
REMARKS- M/R GR DRIVE SHAFT FAILED. HIT CONDUIT PIPE & PATIO ROOF.CRASHED IN YARD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3930	10/4/73 TIME - 0930	FRESNO,CALIF	BELL 47G-5 N1329X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 27, 11000 TOTAL HOURS, 895 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FRESNO,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR	PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S)						
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION						
ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES						
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE						
FACTOR(S)						
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED				KIND OF OPERATION - DEFOLIATION (LIQUID)		
KIND OF CROP - COTTON				TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC		
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		
ELEVATION-AREA BEING TREATED-FEET - 270				SWATH RUN-HOW FLOWN - CROSSWIND		
PROCEDURE TURNAROUND - SECOND 1/3 OF TURN						
REMARKS- T/R BLADE,P/N 47-642-102-51,FAILED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2945	10/8/73 TIME - 1600	NR.LAKE HUGHES,CALIF	BELL 47G-2 N4228A DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 31, 763 TOTAL HOURS, 34 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT VAN NUYS,CALIF	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING GO-AROUND	
	TYPE OF ACCIDENT COLLIDED WITH TREES					
	PROBABLE CAUSE(S) PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND					
	FACTOR(S) WEATHER - DOWNDRAFT,UPDRAFTS TERRAIN - HIGH OBSTRUCTIONS WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - UNKNOWN/NOT REPORTED					
	SKY CONDITION SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND VELOCITY-KNOTS 15 TYPE OF FLIGHT PLAN NONE				CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 15 TYPE OF WEATHER CONDITIONS VFR	
	REMARKS- APCH TO RANCH.					
3-3043	10/10/73 TIME - 1340	TRACY,CALIF	AIRSCOUT L001 N2992 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS EXPERIMENTATION	PRIVATE, AGE 44, 60 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - TRACY MUNICIPAL DEPARTURE POINT TRACY,CALIF	INTENDED DESTINATION LOCAL			PHASE OF OPERATION IN FLIGHT OTHER	
	TYPE OF ACCIDENT MISCELLANEOUS					
	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.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3042	10/13/73 TIME - 0800	BRENTWOOD,CALIF	BELL 47G2 N988B DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 2821 TOTAL HOURS, 690 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BRENTWOOD,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE POWER SETTLING.						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1900 KIND OF CROP - LETTUCE PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 50 REMARKS- CONTROL LMTD BY STEEP DESCENT AND HEAVY LOAD.						
		KIND OF OPERATION - SPRAYING CROPS 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 - DOWNWIND				
3-3127	10/17/73 TIME - 1310	LONG BEACH,CALIF	HUGHES 269B N9333F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 47, 9512 TOTAL HOURS, 1510 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - LONG BEACH DEPARTURE POINT LONG BEACH,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT HARD LANDING		PHASE OF OPERATION LANDING POWER-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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3143	10/19/73 TIME - 0640	EL CENTRO,CALIF	HILLER ACFT UH-12E N5374V DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 44, 15390 TOTAL HOURS, 375 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT EL CENTRO,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND 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 CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - -50 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						
		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				
3-3146	10/25/73 TIME - 1015	EXETER,CALIF	SCORPION 1 N17123 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 63, 24 TOTAL HOURS, 18 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT EXETER,CALIF	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES	PHASE OF OPERATION LANDING FINAL APPROACH 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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3675	11/4/73	NR.ADELANTO,CALIF	JOHANNSEN BENSEN N4386 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 37, 1 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT EL MIRAGE DRY LAKE	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT LOW PASS IN FLIGHT UNCONTROLLED DESCENT	
		TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/WATER UNCONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL				
		FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC. MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT				
		REMARKS- ROTOR BLADES DEFLECTED INTO VERT TAIL & PUSHER PROP DURING SEVERE PORPOISE MANEUVER OF GYROCOPTER				
3-3869	11/19/73	NR.BRAWLEY,CALIF	HILLER ACFT UH-12E N9770C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 29, 2100 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BRAWLEY,CALIF	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN				
		PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE TERRAIN - WET,SOFT GROUND				
		FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1000 KIND OF CROP - LETTUCE PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED-FEET - -0085 PROCEDURE TURNAROUND - THIRD 1/3 OF TURN REMARKS- UPPER CONROD CAP BOLT NR 6 ROD FAILED.				
		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				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3826	11/25/73 TIME - 0930	CHINO,CALIF	SCHMIDT II N17RS DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 60, 2725 TOTAL HOURS, 125 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - CHINO DEPARTURE POINT CHINO,CALIF INTENDED DESTINATION LOCAL TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION IN FLIGHT HOVERING 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 TIME - 1626	LA VERNE,CALIF	BELL 47G-5 N4741R DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 47, 6542 TOTAL HOURS, 5384 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BRACKETT FIELD DEPARTURE POINT LA VERNE,CALIF INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ROLL OVER PHASE OF OPERATION 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0694	3/21/73 TIME - 1735	LAFAYETTE, COLO	HUGHES 269A N8891F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 24, 2419 TOTAL HOURS, 261 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT BROOMFIELD, COLO	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER ROLL OVER	UNCONTROLLED	PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION BROKEN		CEILING AT ACCIDENT SITE 8000		
		VISIBILITY AT ACCIDENT SITE 5 OR OVER		PRECIPITATION AT ACCIDENT SITE NONE		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 45		
		WIND DIRECTION-DEGREES 360		WIND VELOCITY-KNOTS 13		
		TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE		
REMARKS- IP HAD STUDENT ATTEMPT DOWNWIND LOW ALT MANEUVER BEYOND ACFT PERFORMANCE ABILITY. GUSTING TO 20K.						
3-1153	5/21/73 TIME - 0650	BROOMFIELD, COLO	HUGHES 269B N9333V DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 27, 3275 TOTAL HOURS, 350 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - JEFFCO DEPARTURE POINT BROOMFIELD, COLO	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT HARD LANDING ROLL OVER		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS						
REMARKS- PRACTICE AUTOROTATIVE LDG. M/R SEVERED TAIL BOOM						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1821	6/9/73 TIME - 1330	CARBONDALE, COLO	BELL 47G3B1 N1357X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, AGE 29, 3620 TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT 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 TIME - 1430	AURORA, COLO	BELL 47G-5A N2991W DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	ATR, FLIGHT INSTR., AGE 26, 4010 TOTAL HOURS, 161 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

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2542	7/6/73 TIME - 0610	NR.FT.COLLINS,COLO	HUGHES 269A1 N8803F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 28, 4444 TOTAL HOURS, 1660 IN TYPE, NOT INSTRU- MENT RATED.
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 OBSTRUCTIONS						
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 70 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS CALM VFR TYPE OF FLIGHT PLAN NONE						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2000 KIND OF CROP - CORN PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 4950 PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN REMARKS- ATMTD STEEP TURN AT NR GROSS WT.DA 7000FT.OUTBD 25PCT M/R BLADES COATED W CHEM AND DIRT.						
KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - CROSSWIND						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2955	9/9/73 TIME - 1400	FT COLLINS, COLO	HUGHES 269A N8859F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 26, 3097 TOTAL HOURS, 17 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - FT COLLINS AIRPRK DEPARTURE POINT INTENDED DESTINATION FT COLLINS, COLO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) DUAL STUDENT - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- WIND GUSTING 20K.						
3-3099	9/13/73 TIME - 1335	PITKIN, COLO	BELL 47G3B1 N73978 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 31, 3650 TOTAL HOURS, 775 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION PITKIN, COLO ASPEN, COLO 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 - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NO ENG MALFUNCTION FOUND.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3762	11/14/73 TIME - 1115	BROOMFIELD, COLO	HUGHES 269B N9440F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 27, 1238 TOTAL HOURS, 116 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - JEFFERSON COUNTY DEPARTURE POINT INTENDED DESTINATION BROOMFIELD, COLO LOCAL TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE ROLL OVER PHASE OF OPERATION LANDING POWER-ON LANDING LANDING POWER-ON LANDING 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 - IMPROPER COMPENSATION FOR WIND CONDITIONS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION BROKEN VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TEMPERATURE-F 52 WIND VELOCITY-KNOTS 15 TYPE OF FLIGHT PLAN NONE REMARKS- PLT ATMP DOWNWIND TAXI IN WIND GUSTING TO 25K. ABORTED TAXI & TRIED TO TAKEOFF. LOST CONTROL.						
3-0801	4/17/73 TIME - 1730	MERIDEN, CONN	SCORPION II N8851 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 29, 245 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MERIDEN-MARKHAM DEPARTURE POINT INTENDED DESTINATION MERIDEN, CONN LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- DRG T/O FROM HOVER, PLT LET NOSE DROP, ATMD RCVR WITH PWR AND INCREASED PITCH. ALT TOO LOW. WHEEL EQP						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1212	1/22/73 TIME - 1105	MIAMI BEACH,FLA	BELL 47G N864Z DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 1	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 23, 330 TOTAL HOURS, 15 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - COLLINS HELIPORT DEPARTURE POINT INTENDED DESTINATION MIAMI BEACH,FLA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION 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.						
3-1063	1/27/73 TIME - UNK/NR	AVON PARK,FLA	BELL 47G-5 N1476W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
NAME OF AIRPORT - ALCO HELICOPTERS DEPARTURE POINT INTENDED DESTINATION AVON PARK,FLA UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION 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 OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3520	3/1/73 TIME - 1100	MASCOTTE,FLA	SIKORSKY H-19A N15182 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 24, 1901 TOTAL HOURS, 253 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - KLINGER DEPARTURE POINT INTENDED DESTINATION 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 TOTAL HOURS IN CROP CONTROL - 250 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED- FEET - 100 REMARKS- WHEEL EQPD.MIXT CTL CONDUIT LOOSE AT CARB.TELEX LOCK NUT P/N A6338 BKN CONDUIT P/N 514-303482 RLSD						
KIND OF OPERATION - FERTILIZING (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - CROSSWIND						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2074	4/11/73 TIME - 2045	ARCADIA, FLA	EL TOMCAT MKSA N17H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 26, 1100 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ARCADIA DEPARTURE POINT ARCADIA, FLA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION IN FLIGHT SWATH RUN 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 PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1100 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - USED COCKPIT CRASHPAD - INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 0 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 REMARKS- FUEL CKD BY GND CREW APPEARED ENOUGH. WHILE SPRAYING ORANGE GROVE ENG QUIT AUTOROTATED BTWN TREES.						
3-2069	6/18/73 TIME - 1500	NEWBERRY, FLA	BELL 47G-5 N2214W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 32, 3384 TOTAL HOURS, 595 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NEWBERRY DEPARTURE POINT NEWBERRY, FLA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT COLLIDED WITH TREES PHASE OF OPERATION IN FLIGHT SWATH RUN PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 460 KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 85 KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - UPWIND REMARKS- M/R BLADES HIT TREE. SPRAYING WATERMELONS.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2143	6/25/73 TIME - 1800	JACKSONVILLE, FLA	SIKORSKY S-55B N6734 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 30, 5261 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - CRAIG FIELD DEPARTURE POINT INTENDED DESTINATION JACKSONVILLE, FLA LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM CARBURETOR MISCELLANEOUS ACTS, CONDITIONS - CHAFED MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.						
REMARKS- ENG FAILED DURING EXTERNAL LIFT PRACTICE. CARB DIAPHRAGM PUNCTURED, CHAFED. NO TIME TO RELEASE LOAD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2643	8/4/73 TIME - 1510	HIGH SPRINGS, FLA	BELL 47G2 N5180B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL INSTR., AGE 28, 4007 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HIGH SPRINGS DEPARTURE POINT INTENDED DESTINATION 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 CROP - BEANS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 150 REMARKS- ATMTD LVL ABV CROP ACFT DID NOT RESPOND TO PWR						
KIND OF OPERATION - SPRAYING CROPS 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 - UPWIND CORRECTIONS, DSCNDD TO GND.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2777	8/5/73	DESTIN,FLA	BELL 47D-1	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 40, 4500
	TIME - 1615		N6579D	PX- 0 0 2	MAPPING/PHOTO	TOTAL HOURS, 2900 IN
			DAMAGE-SUBSTANTIAL			TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	DESTIN,FLA		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT NORMAL CRUISE	
	HARD LANDING				LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	POWERPLANT - ENGINE STRUCTURE		PISTON,PISTON RINGS			
	POWERPLANT - ENGINE STRUCTURE		VALVE ASSEMBLIES			
	MISCELLANEOUS ACTS,CONDITIONS - ACTION,LACK OF					
	FACTOR(S)					
	TERRAIN - SANDY					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- HOLE BURNED THRU TOP OF PISTON,BURNED EXH VALVE.CAUSE NOT DTMND.MECH THOUGHT RESULT OF DETONATION.					
3-3160	9/1/73	JACKSONVILLE,FLA	ENSTROM F-28A	CR- 0 0 2	INSTRUCTIONAL	COMMERCIAL, FL.INSTR.,
	TIME - 0745		N29HW	PX- 0 0 0	DUAL	AGE 48, 21000 TOTAL
			DAMAGE-SUBSTANTIAL			HOURS, 5 IN TYPE, NOT
	NAME OF AIRPORT - BERLIN HELIPORT .					INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	JACKSONVILLE,FLA		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT POWER-ON DESCENT	
	ROLL OVER				LANDING POWER-OFF AUTOROTATIVE LANDING	
	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					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3903	9/19/73 TIME - 1500	DUETTE, FLA	SIKORSKY S-55 N15182 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 24, 2100 TOTAL HOURS, 520 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DUETTE, FLA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) AIRFRAME - WINGS NACELLES, PODS, PYLONS MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 520 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 50						
KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND						
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 TIME - 1545	FT LAUDERDALE, FLA	ENSTROM F-28A N9564 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 34, 4000 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - FT LAUDERDALE	INTENDED DESTINATION LOCAL			
		DEPARTURE POINT FT LAUDERDALE, FLA	LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE COLLIDED WITH OBJECT	TAIL ROTOR	PHASE OF OPERATION LANDING POWER-ON LANDING 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/HELIP. 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 ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3985	10/28/73 TIME - 1100	FT PIERCE,FLA	BELL 47G-2 N2883B DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 51, 4500 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ST LUCIE COUNTY DEPARTURE POINT 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 SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - OTHER PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 5 REMARKS- ROTOR STRUCK 3/8 INCH GUY WIRE. PLT LOOKING BACK AT SPRAY PATTERN. WEED CONTROL.						
KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - WIND CALM						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4057	12/14/73 TIME - 1115	ARCADIA,FLA	EL TOMCAT 47 N208B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 29, 3931 TOTAL HOURS, 2591 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ARCADIA,FLA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH TREES	PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC. MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS WEATHER - HIGH DENSITY ALTITUDE MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 65			
		WIND DIRECTION-DEGREES 270	WIND VELOCITY-KNOTS 3			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 16 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 25						
		KIND OF OPERATION - SPRAYING CROPS 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 - WIND CALM				
REMARKS- PLT EXPD DECAYING ROTOR RPM ATTRIBUTED TO CHEM BUILD UP ON BLADES,INCREASING D/A,LGT COLLECTIVE.						
3-0377	2/12/73 TIME - 1730	STATESBORO,GA	MCCULLOCH J-2 N4345G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 21, 92 TOTAL HOURS, 28 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - STATESBORO MUNI	INTENDED DESTINATION LOCAL			
		DEPARTURE POINT STATESBORO,GA	PHASE OF OPERATION LANDING POWER-ON LANDING			
		TYPE OF ACCIDENT HARD LANDING				
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE REMARKS- MAIN ROTOR STRUCK TAIL BOOM ON TOUCHDOWN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3320	10/3/73 TIME - 1400	ATLANTA,GA	ENSTROM F-28A N4870 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	AIRLINE TRANSPORT, AGE 28, 2000 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - FULTON COUNTY DEPARTURE POINT INTENDED DESTINATION ATLANTA,GA 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) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN TERRAIN - WET,SOFT GROUND EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- T/D ON SOFT GROUND						
3-3834	10/15/73 TIME - UNK /NR	HARTWELL,GA	HUGHES 269A N8917F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	NO CERTIFICATE, AGE 26, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - CHARLES CHEEK DEPARTURE POINT INTENDED DESTINATION HARTWELL,GA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB HARD LANDING IN FLIGHT AUTOROTATIVE DESCENT PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF OPERATION - DUSTING CROPS KIND OF CROP - COTTON PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED REMARKS- PILOT NOT CERTIFICATED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0153	1/1/73 TIME - 0105	HONOLULU, HAWAII	HUGHES 269C N9678F DAMAGE-SUBSTANTIAL	CR- 0 2 0 PX- 0 0 0	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 43, 6827 TOTAL HOURS, 1413 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HONOLULU INTL DEPARTURE POINT INTENDED DESTINATION HONOLULU, HAWAII LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR TAKEOFF VERTICAL HARD LANDING LANDING POWER-OFF AUTOROTATIVE 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/HELIPORT. REMARKS- BELT DRIVE IDLER PULLEY FAILED, BEARINGS SEIZED. TOO LOW FOR EFFECTIVE AUTOROTATION.						
3-0657	2/7/73 TIME - 1015	KOLOA, HAWAII	BELL 47G-5 N7060J DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 51, 13500 TOTAL HOURS, 11000 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GROVE FARM TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 9999 KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 150 REMARKS- THE HERBICIDE LOADER FORGOT TO DISCONNECT THE HERBICIDE HOSE.						
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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0744	3/12/73 TIME - 1900	KAMUELA, HAWAII	S.N.I.A.S. SA318C N65180 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 41, 7500 TOTAL HOURS, 60 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT KEMOLE, HAWAII	INTENDED DESTINATION WAIMEA, HAWAII			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED		PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - SPATIAL DISORIENTATION						
FACTOR(S) PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC.EQUIPMENT WEATHER - OBSTRUCTIONS TO VISION WEATHER - FOG WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 3/4 MILE OR LESS OBSTRUCTIONS TO VISION AT ACCIDENT SITE SMOKE TYPE OF FLIGHT PLAN NONE	CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED PRECIPITATION AT ACCIDENT SITE NONE TYPE OF WEATHER CONDITIONS VFR			
REMARKS- IFR COND DUE SMOKE FROM RANGE FIRE, GRND FOG AND DUSK. PLT TURNED ON LDG LTS.						
3-0623	3/13/73 TIME - 1315	NAALEHU, HAWAII	HILLER ACFT UH-12E N90474 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 25, 2546 TOTAL HOURS, 606 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - KAHUKU DEPARTURE POINT KAHUKU, HAWAII	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER		PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - PASTURE PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT REMARKS- BOOSTER PUMP SEAL DEFECTIVE. HAD TO LND ON 45 DEG SLOPE.						
				KIND OF OPERATION - FERTILIZING (DUST) TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED		

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1157	5/27/73 TIME - 1515	HONOLULU, HAWAII	BELL 206A N4063G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 51, 20000 TOTAL HOURS, 3000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT HONOLULU, HAWAII	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION 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 TIME - 1015	NR. HILO, HAWAII	ALOUETTE II SA318C N41171 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 32, 2754 TOTAL HOURS, 238 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WAIKAE, HAWAII	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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 OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3680	12/5/73 TIME - 1130	KAHALUI, HAWAII	HUGHES 269A N8732F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	ATR, FLIGHT INSTR., AGE 34, 3414 TOTAL HOURS, 210 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - KAHALUI HAWAII DEPARTURE POINT INTENDED DESTINATION KAHALUI, HAWAII LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT STARTING SWATH RUN HARD LANDING 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 - HIGH VEGETATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 200 KIND OF OPERATION - DEFOLIATION (LIQUID) KIND OF CROP - OTHER TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - AVAILABLE-USED TANK/HOPPER-LOCATION - SIDES TERRAIN-TYPE - LEVEL, FLAT ELEVATION-AREA BEING TREATED- FEET - 40 SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED REMARKS- LNDD IN 8FT HIGH SUGAR CANE. DEFOLIATION ALONG DITCH.						
3-3828	8/1/73 TIME - 1730	NR. OROFINO, ID	BELL 47G3B N73249 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 38, 8425 TOTAL HOURS, 3000 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION OROFINO, ID LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF VERTICAL COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3154	8/26/73 TIME - 0745	S.GLENN'S FERRY, ID	HILLER UH-12E N7755 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 36, 3077 TOTAL HOURS, 2268 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT S.GLENN'S FERRY, ID	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION GEAR COLLAPSED	PHASE OF OPERATION IN FLIGHT EN ROUTE TO RELOADING AREA LANDING ROLL			
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 CROP - POTATOES PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 3000 REMARKS- ENG DRIVEN FUEL PUMP INADQ, AUX PUMP INOP. R SKID COLLAPSED CAUSING ROLL-OVER.						
KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - WIND CALM						
3-3244	10/2/73 TIME - 0830	NEW MEADOWS, ID	BELL 47G-38 N73909 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 27, 3515 TOTAL HOURS, 70 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT COUNCIL, ID	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED	PHASE OF OPERATION 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

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3750	10/15/73	NR. MARSING, ID	BELL 47G-3B N73230 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 1440 TOTAL HOURS, 100 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MARSING, ID	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT SWATH RUN		
		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						
SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 75	KIND OF OPERATION - SPRAYING CROPS			
		KIND OF CROP - FRUIT ORCHARDS	TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOTOXIC			
		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 - SIDES	TERRAIN-TYPE - HILLY			
		ELEVATION-AREA BEING TREATED- FEET - 2250	SWATH RUN-HOW FLOWN - WIND CALM			
REMARKS- PLT FAILED TO SURVEY AREA FOR OBSTRUCTIONS PRIOR TO START OF OPERATION.						
3-4035	12/17/73	TWIN FALLS, ID	BELL 47G-3B N8588F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 42, 4416 TOTAL HOURS, 1776 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - TWIN FALLS CITY	INTENDED DESTINATION LOCAL	PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
		DEPARTURE POINT TWIN FALLS, ID				
		TYPE OF ACCIDENT HARD LANDING				
PROBABLE CAUSE(S) DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS						
PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS						
REMARKS- STUD PRCTNG PWR OFF AUTOROT. INSTR LVL HELD AFTCYCLIC, DID NOT CK RTR RPM. SURF SFT DRT, GRSS.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1897	7/13/73 TIME - 1140	PEORIA, ILL	BELL 47G-5A N7984J DAMAGE-DESTROYED	CR- 0 0 1 PX- 1 1 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 43, 3600 TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT 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 TIME - 1500	ELDRED, ILL	BRANTLY B-2B N1122K DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	AIRLINE TRANSPORT, AGE 26, 6300 TOTAL HOURS, 215 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 CROP - CORN GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND KIND OF OPERATION - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - OTHER ELEVATION-AREA BEING TREATED- FEET - 250 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 1/2 GAL.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2100	8/6/73 TIME - 1205	GIBSON CITY, ILL	BRANTLY B-2B N2253U DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL. INSTR., AGE 33, 1900 TOTAL HOURS, 1600 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT GIBSON CITY, ILL	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH CROP ROLL OVER	PHASE OF OPERATION IN FLIGHT OTHER IN FLIGHT OTHER			
PROBABLE CAUSE(S) PILOT - SETTLED WITH PWR INTO TALL CORN. MISCELLANEOUS ACTS, CONDITIONS - GROUND RESONANCE						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
REMARKS- SEARCH FOR ESCAPED PRISONERS IN HEDGE ROWS.						
3-1292	5/22/73 TIME - 1000	DE PAUW, IND	HUGHES 2693 N9609F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL POWER/PIPELINE	COMMERCIAL, FL. INSTR., AGE 45, 4500 TOTAL HOURS, ALL IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT LOUISVILLE, KY	INTENDED DESTINATION LOUISVILLE, KY	LAST ENROUTE STOP UNKNOWN/NOT REPORTED		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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						
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- THROTTLE 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 F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1218	5/28/73 TIME - 1915	GARY, IND	HUGHES 269A N8790F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 49, 2930 TOTAL HOURS, 960 IN TYPE, 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 TIME - 1015	BLOOMFIELD, IND	BELL 47D-1 N2794A DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 23, 2810 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SHAWNEE FIELD DEPARTURE POINT INTENDED DESTINATION 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2911	7/5/73	LITTLE YORK,IND	BELL 47G-2A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 25, 936
	TIME - 0753		N73257	PX- 0 0 0	AERIAL APPLICATION	TOTAL HOURS, 250 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	LITTLE YORK,IND	LOCAL				
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH WIRES/POLES			IN FLIGHT PULLUP FROM SWATH RUN		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	FACTOR(S)					
	TERRAIN - HIGH OBSTRUCTIONS					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
		SUSPECTED OR KNOWN AIRCRAFT DAMAGE				
	SPECIAL DATA					
	TOTAL HOURS IN CROP CONTROL - 236			KIND OF OPERATION - DEFOLIATION (LIQUID)		
	KIND OF CROP - OTHER			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTTOXIC		
	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 - SIDES			TERRAIN-TYPE - ROLLING		
	ELEVATION-AREA BEING TREATED- FEET - 725			SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED		
	PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN					
	FIRE AFTER IMPACT					
	REMARKS- DEFOLIATION OF BRUSH PWR LINE RIGHT OF WAY.APRX 1/2 TAIL ROTOR BLADE MSG,SIGNS OF HARD OBJ STRIKE.					
3-2109	7/13/73	DANA,IND	BELL 47G-3	CR- 0 1 0	COMMERCIAL	COMMERCIAL, FL.INSTR.,
	TIME - 0543		N8416E	PX- 0 0 0	AERIAL APPLICATION	AGE 31, 4091 TOTAL HOURS,
			DAMAGE-SUBSTANTIAL			25 IN TYPE, INSTRUMENT
	DEPARTURE POINT	INTENDED DESTINATION				RATED.
	DANA,IND	LOCAL				
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	ENGINE FAILURE OR MALFUNCTION			IN FLIGHT PROCEDURE TURNAROUND		
	COLLIDED WITH TREES			LANDING POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S)					
	POWERPLANT - IGNITION SYSTEM SPARK PLUG					
	MISCELLANEOUS ACTS,CONDITIONS - CARBON DEPOSITS					
	PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION					
	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 - 200			KIND OF OPERATION - SPRAYING CROPS		
	KIND OF CROP - CORN			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 - AFT OF PILOT			TERRAIN-TYPE - LEVEL,FLAT		
	ELEVATION-AREA BEING TREATED- FEET - 610			SWATH RUN-HOW FLOWN - WIND CALM		
	REMARKS- ENG LOST PWR,SETTLED INTO TREES. PLUGS FOULED & OILY.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2912	9/16/73 TIME - 1330	VEEDERSBURG, IND	BELL 47G-2A N7579 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 3550 TOTAL HOURS, 1300 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT VEEDERSBURG, IND	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1300 KIND OF CROP - BEANS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 630 REMARKS- DUE ALT PLT MADE DWNWD AUTOROTATION.						
		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	3/20/73 TIME - 0800	HANLONTOWN, IOWA	BELL 47G-2 N12412 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 34, 313 TOTAL HOURS, 95 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT HANLONTOWN, IOWA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH OBJECT	PHASE OF OPERATION IN FLIGHT SWATH RUN			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 95 KIND OF CROP - OTHER PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING REMARKS- SEEDING NEW HIGHWAY RIGHT OF WAY, ROTOR BLADE HIT SIGN POST.						
		KIND OF OPERATION - SEEDING CROPS TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1357	5/4/73 TIME - 0710	ALTOONA, IOWA	ENSTROM F-28A N2517M DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 29, 12365 TOTAL HOURS, 8 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT GRINNELL, IOWA	INTENDED DESTINATION DES MOINES, IOWA			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
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.						
3-1691	6/4/73 TIME - 1400	CLARINDA, IOWA	BELL 47G-38 N65036 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 26, 1506 TOTAL HOURS, 130 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT CLARINDA, IOWA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER ROLL OVER	UNCONTROLLED		PHASE OF OPERATION IN FLIGHT CLEANUP SWATH LANDING 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 DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - BEANS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 950 PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN REMARKS- DNWND TURN, FULL LOAD, SETTLING WITH PWR, FELL INTO CEMETERY.						
		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 - ROLLING SWATH RUN-HOW FLOWN - DOWNWIND				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2052	8/22/73 TIME - 1453	DES MOINES, IOWA	BELL 206A N7068J DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 2 2	COMMERCIAL OTHER	COMMERCIAL, AGE 26, 2649 TOTAL HOURS, 668 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DES MOINES, IOWA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT CLIMB TO CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
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 TRAFFIC.						
3-0021	2/2/73 TIME - 1530	LAKE CHARLES, LA	BELL 206B N7065J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 34, 3578 TOTAL HOURS, 1912 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CHENNAULT DEPARTURE POINT SILSBEE, LA	INTENDED DESTINATION LAKE CHARLES, LA			
		TYPE OF ACCIDENT BIRD STRIKE HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S)						
MISCELLANEOUS - BIRD COLLISION						
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS						
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
LATERAL CONTROL PROBLEM DIRECTIONAL CONTROL PROBLEM						
REMARKS- BUZZARD JAMMED BETWEEN TRANSMISSION AND SWASH PLATE, CYCLIC CONTROL TUBE BROKEN						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0338	2/19/73 TIME - 0940	PATTERSON, LA.	BELL 206B N2941W DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, AGE 33, 4741 TOTAL HOURS, 1170 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PATTERSON, LA.	INTENDED DESTINATION ISL BLK 292 G OF MEX			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY BLADE, COMPRESSOR ROTOR MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) TERRAIN - WET, SOFT GROUND MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G. COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- OUT OF AFT CG.						
3-0425	2/22/73 TIME - 0905	NR. AMELIA, LA	BELL 206B N35AL DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 46, 10500 TOTAL HOURS, 1208 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PATTERSON, LA	INTENDED DESTINATION SO. TIMBALIER BLK 26			
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT	PHASE OF OPERATION IN FLIGHT OTHER			
PROBABLE CAUSE(S) ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES OTHER MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT MISSING AIRCRAFT - LATER RECOVERED REMARKS- RECOVERED IN SWAMP 2/26/73. R PYLON SUPPORT LINK FAILED, CAUSED IN FLT FAILURE OF M/R SYSTEM.						
3-0837	3/20/73 TIME - 0830	PATTERSON, LA	BELL 206B N36AL DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 2975 TOTAL HOURS, 670 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT EUGENE IS, BLK 295	INTENDED DESTINATION PATTERSON, LA			
		TYPE OF ACCIDENT UNDETERMINED	PHASE OF OPERATION UNKNOWN/NOT REPORTED			
PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER ADVERSE/UNFAVORABLE WEATHER REMARKS- FLOATING WRECKAGE OF ACFT FOUND 35MI FROM DEP, 8MI E OF PROPOSED FLT PATH. INJURIES ASSUMED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0592	3/22/73	NR.CAMERON,LA	BELL 47G-4A	CR- 0 0 1	COMMERCIAL	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		N9031F	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 OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2151	7/30/73 TIME - 0725	NR.SHREVEPORT,LA	BELL 47G-5A N58077 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 46, 20931 TOTAL HOURS, 5798 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NAYLOR DEPARTURE POINT INTENDED DESTINATION SHREVEPORT,LA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN 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 - UNKNOWN/NOT REPORTED KIND OF OPERATION - DEFOLIATION (LIQUID) KIND OF CROP - OTHER TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC PILOT'S SEAT BELT - FASTENED-PROPERLY GLOVES - NOT USED GOGGLES - NOT USED CRASH HELMET - NOT AVAILABLE COCKPIT CRASHPAD - NOT INSTALLED CRASH BAR - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES TERRAIN-TYPE - SWAMPY/WATER ELEVATION-AREA BEING TREATED-FEET - 180 SWATH RUN-HOW FLOWN - WIND CALM REMARKS- PLT DIDNT SEE 3RD SET OF WIRES, CRASHED IN BAYOU						
3-2735	9/18/73 TIME - 0740	NR.LEEVILLE,LA	BELL 47G-4A N4800R DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 32, 1518 TOTAL HOURS, 165 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ST BLK J PLATFORM DEPARTURE POINT INTENDED DESTINATION LEEVILLE,LA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT DESCENDING PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - CORRODED/CORROSION MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- FORE/AFT CYCLIC TUBE ASSY SEPD AT ROD END,WALLS 90% REDUCED BY CORROSION.CRASHED IN 180FT OF WATER						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3197	11/8/73 TIME - 1100	BELLE CHASSE, LA	BELL 47G-5A N2994W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 46, 21296 TOTAL HOURS, 6143 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NAS BELLE CHASSE DEPARTURE POINT INTENDED DESTINATION BELLE CHASSE, LA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR TAXI AERIAL TAXI TO/FROM LANDING COLLISION WITH GROUND/WATER CONTROLLED LANDING LEVEL OFF/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/HELIP. 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 TIME - 1100	BELL 206B N2929W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG S-D	COMMERCIAL, AGE 26, 4225 TOTAL HOURS, 448 IN TYPE, INSTRUMENT RATED.	
NAME OF AIRPORT - E. CAMERON BLK 286 DEPARTURE POINT INTENDED DESTINATION E. CAMERON BLK 286 E. 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 - UNFAVORABLE 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 OR OVER 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

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3797	11/20/73	NR.INTRCSTL CTY,LA	BELL 206B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 27, 2063
	TIME - 0645		N7904J	PX- 0 0 2	AIR TAXI-PASSG	TOTAL HOURS, 45 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	E.CAMERON BLK 254B	INTENDED DESTINATION	E.CAMERON BLK 255F			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT NORMAL CRUISE	
	DITCHING				LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S)					
	POWERPLANT - MISCELLANEOUS	POWERPLANT FAILURE FOR UNDETERMINED REASONS				
	FACTOR(S)					
	ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES	EMERGENCY FLOTATION GEAR				
	MISCELLANEOUS ACTS,CONDITIONS -	AIRCRAFT CAME TO REST IN WATER				
	COMPLETE POWER LOSS -	COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
	EMERGENCY CIRCUMSTANCES -	FORCED LANDING OFF AIRPORT ON WATER				
	REMARKS-	RETARDED INFLATION OF R EMERG FLOAT,ROLLED OVER.HELO SANK.				
3-1724	7/13/73	WELD,ME	BELL 47G	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 27, 2330
	TIME - 1615		N950B	PX- 0 0 1	CONSTRUCTION	TOTAL HOURS, 655 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT -	BLUE MTN	DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT	INTENDED DESTINATION				
	WELD,ME	FARMINGTON,ME				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLIDED WITH TREES				TAKEOFF INITIAL CLIMB	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND -	IMPROPER COMPENSATION FOR WIND CONDITIONS				
	FACTOR(S)					
	WEATHER -	SUDDEN WINDSHIFT				
	WEATHER -	DOWNDRAFT,UPDRAFTS				
	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				52	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	VFR				NONE	
	REMARKS-	DURING TAKE OFF FROM MT HELIPAD,PIC ALLOWED ACFT TO SETTLE WITH POWER.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2186	8/4/73 TIME - 1215	BERLIN, MD	BELL 47G-5 N1468W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 3060 TOTAL HOURS, 1657 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BERLIN, MD	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN			
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 - 110			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - BEANS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC			
PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED			GLOVES - NOT USED			
GOGGLES - NOT USED			CRASH HELMET - AVAILABLE-NOT USED			
COCKPIT CRASHPAD - NOT INSTALLED			CRASH BAR - NOT INSTALLED			
TANK/HOPPER-LOCATION - SIDES			TERRAIN-TYPE - LEVEL, FLAT			
ELEVATION-AREA BEING TREATED- FEET - 40			SWATH RUN-HOW FLOWN - CROSSWIND			
REMARKS- DOVE BETWEEN WIRES & ROAD. HIT OTR WIRES.						
3-3105	9/18/73 TIME - 1617	BELTSVILLE, MD	BELL 206A N6294N DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 27, 1010 TOTAL HOURS, 491 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ANDREWS AFBASE, MD	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR(S) 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2018	6/3/73 TIME - 0630	PLYMOUTH, MASS	BENSEN B8M N6026 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 24, 60 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PLYMOUTH DEPARTURE POINT INTENDED DESTINATION PLYMOUTH, MASS LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF INITIAL CLIMB COLLISION WITH GROUND/WATER CONTROLLED LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM MAGNETOS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. REMARKS- INSPECTION OF THE MAGNETO DISCLOSED AN INTERNAL OPEN CIRCUIT.						
3-1735	5/15/73 TIME - 1550	MARQUETTE, MICH	BELL 47G2 N6725D DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 25, 3800 TOTAL HOURS, 2080 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MARQUETTE COUNTY DEPARTURE POINT INTENDED DESTINATION MARQUETTE, MICH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S) WEATHER - DOWNDRAFT, UPDRAFTS TERRAIN - HIGH OBSTRUCTIONS WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED 10000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 62 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 210 12 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- LEASED TO PWR CO. DOWNDRAFTS, LOW ALTITUDE, UN CK DSCNT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1401	5/20/73 TIME - 1745	PLYMOUTH, MICH	BENSEN B-8M N2201 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 30, 181 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - METTETAL DEPARTURE POINT INTENDED DESTINATION PLYMOUTH, MICH 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 - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT DIRECTIONAL CONTROL PROBLEM REMARKS- TWO REAR ENG MOUNT SUPPORTS BKN IN WELD JOINTS, POOR FUSION OR LACK FUSION. UN DTRMN IF BREAK INFLT.						
3-1733	7/15/73 TIME - 1545	ALOHA, MICH	BENSEN B8M N1045Z DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 32, 63 TOTAL HOURS, 29 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION CHEBOYGAN, MICH INDIAN RIVER, MICH. TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE DITCHING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM MAGNETOS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- RTRN SPRING PORTION OF IGNITION POINT ASSEMBLY BKN.						
3-2352	8/12/73 TIME - 1404	STERLING HTS, MICH	BRANTLY B2 N2111U DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 52, 3222 TOTAL HOURS, 70 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BERZ-MACOMB DEPARTURE POINT INTENDED DESTINATION UTICA, MICH REMICK, MICH TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED LANDING OTHER PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS OTHER MISCELLANEOUS ACTS, CONDITIONS - SHEARED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM SUSPECTED OR KNOWN AIRCRAFT DAMAGE REMARKS- TAIL ROTOR HORIZ SHAFT BEARING. SHAFT SHEARED. T/D IN SIDEWARD FLT TO L.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2373	9/1/73 TIME - 1300	BELLEVILLE LK, MICH	BENSEN HYDRO N5460 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 22, 167 TOTAL HOURS, 17 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - WILLOW RUN DEPARTURE POINT INTENDED DESTINATION BELLEVILLE LK, MICH LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- FLOAT EQPD. AT APRX 70FT AGL DSCNDD NEARLY VERTICAL INTO LAKE. ACFT ORIGINALLY GYRO GLIDER ON FLOATS						
3-3327	11/9/73 TIME - 1700	HOWELL, MICH	HUGHES 269A N8798F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 37, 479 TOTAL HOURS, 278 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - LIVINGSTON CO DEPARTURE POINT INTENDED DESTINATION PEARL BEACH, MICH HOWELL, MICH TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - MISCALCULATED FUEL CONSUMPTION PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS 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	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4029	12/29/73 TIME - 1320	GREENVILLE, MICH	BELL 47G-2 N6738D DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 45, 17000 TOTAL HOURS, 2660 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - GREENVILLE MUNI DEPARTURE POINT GREENVILLE, MICH INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD 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/HELIP.						
				PHASE OF OPERATION IN FLIGHT AUTOROTATIVE DESCENT LANDING POWER-OFF AUTOROTATIVE LANDING		
REMARKS- WIND GUSTING 15K. STUDENT PULD PWR OFF TOO FAST. TREE IN AUTOROTATN PATH.						
3-0588	3/26/73 TIME - 0900	NR.MINNEAPOLIS, MINN	BELL 47J-2 N8482E DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 42, 5678 TOTAL HOURS, 110 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT PINE BEND, MINN INTENDED DESTINATION MINNEAPOLIS, MINN TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED ROLL OVER						
				PHASE OF OPERATION TAKEOFF OTHER LANDING ROLL		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- SETTLED INTO GRND WITH PWR.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0857	4/6/73 TIME - 1442	OWATONNA, MINN	BELL 47G-2 N38926 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS TEST	ATR, FLIGHT INSTR., AGE 41, 9026 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NORTHAIRE HELI DEPARTURE POINT INTENDED DESTINATION OWATONNA, MINN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED LANDING LEVEL OFF/TOUCHDOWN NOSE OVER/DOWN LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - EXERCISED POOR JUDGMENT FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G. TERRAIN - WET, SOFT GROUND WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT SKY CONDITION CEILING AT ACCIDENT SITE BROKEN 3000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 52 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 50 18 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- FAA PRODUCTION TEST FLT.13 LBS OVER MAX GROSS WT, FWD CG LIMIT, 60 LBS OVER MAX CABIN LOAD, LOST CTL.						
3-1608	6/1/73 TIME - 1615	BRAINERD, MINN	BELL 47G-2 N65520 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL OTHER	COMMERCIAL, AGE 26, 398 TOTAL HOURS, 71 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION BRAINERD, MINN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS REMARKS- PIC PULLED INTO HIGH HOVER OUT OF GND EFFECT RESULTING IN LOSS OF LIFT, SIGHTSEEING FLT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2877	7/20/73 TIME - 0800	BLOOMINGTON, MINN	BELL 47G-5 N4064G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, FL. INSTR., AGE 31, 3636 TOTAL HOURS, 170 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT BLOOMINGTON, MINN	INTENDED DESTINATION LOCAL	PHASE OF OPERATION TAKEOFF VERTICAL		
		TYPE OF ACCIDENT MISCELLANEOUS				
PROBABLE CAUSE(S)						
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN						
ROTORCRAFT - MISC. EXTERNAL CARGO SLING.						
MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY SECURED						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
REMARKS- LOAD SHFTD, CABLE HIT M/R, WRAPPED ARND T/R DRIVE.						
3-3881	12/21/73 TIME - 1400	ST PAUL, MINN	BELL 47G4A N2247W DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, FL. INSTR., AGE 46, 6000 TOTAL HOURS, 832 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT ST PAUL, MINN	INTENDED DESTINATION LOCAL	PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
		TYPE OF ACCIDENT HARD LANDING				
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER LEVEL OFF						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
REMARKS- PRACTICE AUTOROTATION. MN ROTOR STRUCK TAIL BOOM. FLOAT EQUIPPED.						
3-3557	12/21/73 TIME - 1030	ROSEMOUNT, MINN	BRANTLY B2 N5920X DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	AIRLINE TRANSPORT, AGE 53, 14729 TOTAL HOURS, 31 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - SOUTHPORT DEPARTURE POINT ROSEMOUNT, MINN	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH OBJECT				
PROBABLE CAUSE(S)						
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS						
POWERPLANT - ENGINE STRUCTURE OTHER						
MISCELLANEOUS ACTS, CONDITIONS - OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM						
TERRAIN - ROUGH/UNEVEN						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- ENG VENT LINE FROZE CAUSING ENG CASE TO BLOW TOPCRANKSHAFT OIL SEAL. R SKID HIT LARGE DIRT CLOD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1745	6/19/73 TIME - 1700	MADISON, MISS	HUGHES 269B N9357F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 43, 4430 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.
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 LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- DRG PRACTICE AUTOROTATION ENG QUIT. TAIL ROTOR DRIVE AND BOOM SEVERED FROM HELICOPTER.						
3-1744	6/25/73 TIME - 1615	GRENADA, MISS	BELL 47G2-2 N4823 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 49, 13163 TOTAL HOURS, 463 IN TYPE, NOT INSTRUMENT RATED.
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 LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- FLARED HIGH. SKIDS HIT DIRT, BLADES CTCTD BOOM.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0029	1/24/73 TIME - 1033	CHESTERFIELD,MO	BELL 47G N9655 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 30, 4800 TOTAL HOURS, 4000 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - SPIRIT ST LOUIS DEPARTURE POINT CHESTERFIELD,MO INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ROLL OVER PHASE OF OPERATION 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 TIME - 1115	KANSAS CITY,MO	BELL 47J N6780D DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 27, 1114 TOTAL HOURS, 370 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT KANSAS CITY,MO INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1066	4/26/73 TIME - 1915	PORT DE SIOUX, MO	BELL 47J N2837B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 40, 13000 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SMART FIELD DEPARTURE POINT INTENDED DESTINATION CAHOKIA, ILL PORT DE SIOUX, MO TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS MISCELLANEOUS ACTS, CONDITIONS - CONGESTED TRAFFIC-PATTERN FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS REMARKS- 40 FT DIA CRUSHED ROCK LANDING PAD. PLT ATTN DIRECTED TO LDG AND PARKED HELICOPTER. HIT UNLTD WIRES.						
3-1491	6/5/73 TIME - 0830	DORENA, MO	BELL 47D1 N8282E DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 43, 1469 TOTAL HOURS, 86 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION DORENA, MO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT PROCEDURE TURNAROUND PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1 KIND OF CROP - OTHER GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND REMARKS- SPRAYING FOR WEED CONTROL-NO CROPS INVOLVED. MAIN ROTOR RPMS TOO LOW UN SUSTAIN FLT. 1HR CROP CTL.						
3-1746	6/24/73 TIME - 1310	ST LOUIS, MO	BELL 47G-5 N7043J DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL. INSTR., AGE 30, 16001 TOTAL HOURS, 1429 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION ST LOUIS, MO LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2220	8/12/73 TIME - 1810	WINDSOR, MO	BENSEN B8 N6394 DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 40, 55 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WINDSOR, MO		PHASE OF OPERATION IN FLIGHT OTHER		
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT				
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING						
FACTOR(S)						
TERRAIN - HIGH OBSTRUCTIONS						
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						
REMARKS- PULLED UP SHARPLY TO AVOID TREES, THEN NOSED DWN ABRUPTLY. M/R BLADES DROOPED, HIT PROP & SEPARATED.						
3-2127	8/12/73 TIME - 1315	BRANSON, MO	BELL 47G-2 N939B DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL OTHER	COMMERCIAL, AGE 26, 429 TOTAL HOURS, 285 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BRANSON, MO		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION 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.						
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- SIGHTSEEING FLT. LND ON LAKE SHORE.						
3-3518	10/22/73 TIME - 0930	CREVE COEUR, MO	BELL 47G-5 N2251W DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 41, 5640 TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CREVE COEUR		PHASE OF OPERATION		
		DEPARTURE POINT CREVE COEUR, MO		LANDING POWER-OFF AUTOROTATIVE LANDING		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S)						
MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS						
PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE						
REMARKS- PRACT LDG IN SOD AREA ON AIRPORT-LANDED TAIL LOW						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0903	4/23/73 TIME - 1130	NR.BILLINGS,MONT	BELL 47G-3B N204Z DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 25, 1559 TOTAL HOURS, 145 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BILLINGS,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NR 5 CONROD BOLTS FAILED.LND ON 30 DEG SLOPE IN WOODED CLEARING. PIPELINE SURVEILLANCE FLT..						
3-1163	5/16/73 TIME - 0705	DAYTON,MONT	BELL 47G3B1 N73946 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 40, 10000 TOTAL HOURS, 4500 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DAYTON,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT FIRE OR EXPLOSION IN FLIGHT ENGINE FAILURE OR MALFUNCTION	PHASE OF OPERATION IN FLIGHT SWATH RUN IN FLIGHT SWATH RUN			
PROBABLE CAUSE(S) INSTRUMENTS/EQUIPMENT AND ACCESSORIES - MISCELLANEOUS EQUIPMENT SPRAY,DUSTING EQUIPMENT MISCELLANEOUS ACTS,CONDITIONS - LEAK/LEAKAGE MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - FIRE IN ENGINE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 3500 KIND OF CROP - SAGE PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 4000 REMARKS- SEVERE LEAK IN SPRAY HOSE OR SYS ALLOWED INFLAMMABLE SPRAY TO CTC HOT ENG AREA.PLT AUTOROTATED OK.						
				KIND OF OPERATION - OTHER TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - WIND CALM		

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2260	5/19/73	NR.MOORE,MONT TIME - 0720	BELL 47G-3 N8401E DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 32, 5226 TOTAL HOURS, 399 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT LEWISTOWN,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT UNDETERMINED	PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP			
PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 2600			KIND OF OPERATION - FERRY			
KIND OF CROP - GRAIN FIELDS			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 - SIDES						
FIRE AFTER IMPACT						
REMARKS- CRASHED IN FLD & CONSUMED BY FIRE.						
3-3753	8/21/73	NR.THOMPSON FLS,MONT TIME - 1345	BELL 205-A1 N2215W DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, AGE 27, 1785 TOTAL HOURS, 55 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT THOMPSON FLS,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH TREES	PHASE OF OPERATION IN FLIGHT POWER-ON DESCENT			
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING INSTRUMENTS/EQUIPMENT AND ACCESSORIES - MISCELLANEOUS EQUIPMENT OTHER						
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED TERRAIN - HIGH OBSTRUCTIONS						
WEATHER BRIEFING - UNKNOWN/NOT REPORTED						
WEATHER FORECAST - UNKNOWN/NOT REPORTED						
SKY CONDITION SCATTERED			CEILING AT ACCIDENT SITE UNLIMITED			
VISIBILITY AT ACCIDENT SITE 3 MILES OR LESS			PRECIPITATION AT ACCIDENT SITE NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 75			
WIND VELOCITY-KNOTS 8			TYPE OF WEATHER CONDITIONS VFR			
TYPE OF FLIGHT PLAN NONE						
FIRE AFTER IMPACT						
REMARKS- PLT UN RELEASE 250 GAL WATER IN EXTRNL BUCKET. DENS ALT APRX 7000 FT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3217	9/10/73 TIME - 1745	NR.LEWISTOWN,MONT	BELL 206B N8110J DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 25, 2700 TOTAL HOURS, 262 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT LEWISTOWN,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT HOVERING		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.						
MISCELLANEOUS ACTS,CONDITIONS - POORLY PLANNED APPROACH						
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND						
WEATHER - HIGH DENSITY ALTITUDE						
TERRAIN - HIGH OBSTRUCTIONS						
MISCELLANEOUS ACTS,CONDITIONS - JETTISONED LOAD						
WEATHER BRIEFING - NO BRIEFING RECEIVED						
WEATHER FORECAST - UNKNOWN/NOT REPORTED						
		SKY CONDITION UNKNOWN/NOT REPORTED	CEILING AT ACCIDENT SITE 12000			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 88			
		WIND DIRECTION-DEGREES 240	WIND VELOCITY-KNOTS 12			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
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 - 1015	NR.MISSOULA,MONT	BELL 47G-3 N178B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	AIRLINE TRANSPORT, AGE 32, 7858 TOTAL HOURS, 12 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - JOHNSON-BELL FLD				
		DEPARTURE POINT MISSOULA,MONT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ROLL OVER	PHASE OF OPERATION LANDING POWER-ON LANDING			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
PILOT IN COMMAND - MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS						
FACTOR(S)						
PERSONNEL - FLIGHT INSTRUCTOR INADEQUATE SUPERVISION OF FLIGHT						
TERRAIN - WET,SOFT GROUND						
REMARKS- STUD PRCTCNG SLOPE LNDS TO HELIPORT,5 DEG SLP.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1390	5/17/73 TIME - 1845	NR.GRAND ISLAND,NEBR	SCORPION SINGLE N5406 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 31, 297 TOTAL HOURS, 32 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT GRAND ISLAND,NEB	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	UNCONTROLLED		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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 TIME - 1650	NORTH PLATTE,NEBR	BELL 206A N7881S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 24, 573 TOTAL HOURS, 43 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT NORTH PLATTE,NEBR	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT HARD LANDING			PHASE OF OPERATION 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 TIME - 0945	ARDEN,NEV	BELL 47G2 N2873B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 68, 5983 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT JEAN,NEV	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT NOSE OVER/DOWN			PHASE OF OPERATION TAKEOFF RUN		
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2041	7/19/73 TIME - 0830	BARNEGAT,NJ	BELL 47G-4A N886S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL OTHER	COMMERCIAL, AGE 38, 8000 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BARNEGAT,NJ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - ANTI-ICING/DEICING EQUIPMENT-IMPROPER OPERATION OF/OR FAILED TO USE MISCELLANEOUS ACTS,CONDITIONS - ICE-CARBURETOR PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE						
FACTOR(S) WEATHER - CONDITIONS CONDUCIVE TO CARB./INDUCTION SYSTEM ICING COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION SCATTERED	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 77			
		WIND DIRECTION-DEGREES 235	WIND VELOCITY-KNOTS 4			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
REMARKS- OBSERVATION FLT OF SALT MARSHES.						
3-2616	8/25/73 TIME - 1430	TETERBORD,NJ	ENSTROM F-28A N15SB DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL SOLO	COMMERCIAL, AGE 33, 3800 TOTAL HOURS, 9 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - TETERBORD DEPARTURE POINT TETERBORD,NJ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED		PHASE OF OPERATION TAXI AERIAL TAXI, OTHER	
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
FACTOR(S) PERSONNEL - FLIGHT INSTRUCTOR INADEQUATE TRAINING OF STUDENT						
REMARKS- PIC LOST CONTROL OF HELICOPTER WHEN ATTEMPTING TO MANEUVER ON HELIPORT BETWEEN PARKED AIRCRAFT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3668	11/21/73 TIME - 1345	NORTH BERGEN,NJ	BRANTLY B-2 N5946X DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 49, 11953 TOTAL HOURS, 22 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FLUSHING,NY	INTENDED DESTINATION NORTH BERGEN,NJ			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE COLLISION WITH GROUND/WATER	TAIL ROTOR UNCONTROLLED	PHASE OF OPERATION LANDING GO-AROUND LANDING GO-AROUND		
PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE FIRE AFTER IMPACT REMARKS- VERT DRIVE P/N 249-10 FAILED AT BOLT HOLES 1 IN FM UPR END OF SHAFT.UPR GR BOX ASSEM REPLACED 6/68						
3-0119	1/8/73 TIME - 1500	ZUNI,N MEX	BELL 473GB1 N1166W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 29, 2016 TOTAL HOURS, 550 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT GALLUP,N MEX	INTENDED DESTINATION RETURN			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		PHASE OF OPERATION IN FLIGHT POWER-ON DESCENT LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) POWERPLANT - EXHAUST SYSTEM EXTERNAL SUPERCHARGER MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED PILOT IN COMMAND - IMPROPER LEVEL OFF PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- METAL CHIP FROM EXHAUST MANIFOLD WEDGED IN TURBOCHARGER.						
3-2440	6/13/73 TIME - 1400	NR.CUBA,N MEX	BELL 47G-3B N4727R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE UNK/NR, 1971 TOTAL HOURS, 61 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CUBA,N MEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN		
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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1559	6/19/73 TIME - 1315	LUNA,N MEX	BELL 4G382A N83111 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 1 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 28, 7700 TOTAL HOURS, 3300 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LUNA,N MEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR ACCIDENT TO PERSON		PHASE OF OPERATION TAKEOFF VERTICAL		
PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.						
FACTOR(S) TERRAIN - OTHER						
REMARKS- PAX DEPLAINED IN CONFINED AREA.PLT DIDNT INSURE HE HAD CLRD AREA BFOR TKOF.M/R BLADE HIT PAX.						
3-2590	7/8/73 TIME - 1100	ALBUQUERQUE,N MEX	BELL 47G5 N6278N DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 27, 1705 TOTAL HOURS, 64 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ALBUQUERQUE,N MEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING		PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 88			
		WIND DIRECTION-DEGREES 315	WIND VELOCITY-KNOTS 5			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
REMARKS- PULLED IN COLLECTIVE AFTR LOSS OF DIR CTL.75% OF WIRES,CABLE #1,DMGD BY WEAR.DENS ALT ABT 8600FT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2513	7/11/73 TIME - 1400	LUNA,N MEX	BELL 47G3B2 N58131 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, FL.INSTR., AGE 25, 3895 TOTAL HOURS, 1800 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT LUNA,N MEX	INTENDED DESTINATION RED HILL,N MEX			
		TYPE OF ACCIDENT HARD LANDING	PHASE OF OPERATION IN FLIGHT AUTOROTATIVE DESCENT			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR(S) PILOT IN COMMAND - MISJUDGED ALTITUDE						
REMARKS- SLOW PWR RESPONSE ON RECOVERY FM PRACTICE AUTOROTATION.						
3-2743	7/24/73 TIME - 1015	NR.LUNA,N MEX	BELL 205A-1 N83044 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 1 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 27, 4450 TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LUNA,N MEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE ROLL OVER	TAIL ROTOR	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS						
FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
REMARKS- EXTERNAL SLING CABLE STRUCK & SEVERED T/R BLADE.HIT ON L SKID IN YAW.						
3-1650	6/7/73 TIME - 2045	BRIARCLIFF MNR,NY	ENSTROM F-28A N4885 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 37, 206 TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BRIARCLIFF MANOR,NY	INTENDED DESTINATION TETERBORO,NJ			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - SPATIAL DISORIENTATION						
REMARKS- DARK NIGHT,HELICOPTER STARTED SPINNING,PLT DID NOT KNOW DIR OF SPIN BUT TRIED STOP SPIN WITH RUD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1761	7/17/73 TIME - 1500	AMITYVILLE, NY	BELL 206B N7094J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 36, 5200 TOTAL HOURS, 2500 IN- TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT GARDEN CITY, NY	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE REMARKS- DURING PRACTICE POWER OFF AUTOROTATIVE LANDING PLT LNDD HARDER THAN USUAL M/R BLADE HIT TAIL.				
3-2839	7/28/73 TIME - 0804	NEW YORK, NY	BELL 206A N4087G DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 41, 2330 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - 23RD ST SKYPORT DEPARTURE POINT NEW YORK, NY	INTENDED DESTINATION MIDDLETOWN, NJ	PHASE OF OPERATION IN FLIGHT EMERGENCY DESCENT		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, ALTITUDE OR CLEARANCE PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION FACTOR(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT REMARKS- POSSIBLY 1ST FLT FM L SEAT. MADE STEEP R TURN FOLLOWED BY RAPID DESCENT TO WATER.				
3-2604	9/16/73 TIME - 1600	EAST MORICHES, NY	BENSEN B8-M N6890 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 43, 14 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SPADAROS DEPARTURE POINT EAST MORICHES, NY	INTENDED DESTINATION LOCAL	PHASE OF OPERATION TAKEOFF INITIAL CLIMB		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- PLT ELECTED TO CUT PWR, ACFT DROPPED FROM ABT 20FT AGL, T/D ON ALL 3 WHEELS.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3366	10/7/73 TIME - 1645	NIAGARA FALLS,NY	BELL 47J-2 N8453E DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3 OT- 0 0 1	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 27, 2537 TOTAL HOURS, 942 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT NIAGARA FALLS,NY INTENDED DESTINATION LOCAL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION IN FLIGHT HOVERING PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL OTHER MISCELLANEOUS ACTS,CONDITIONS - LATERAL IMBALANCE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- RESCUE.ACFT MOVING FWD,MAN HELD ONTO R SKID.						
3-3839	11/6/73 TIME - 0830	DANSVILLE,NY	HILLER ACFT UH-12B N33616 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	NONCOMMERCIAL OTHER	COMMERCIAL, AGE 41, 3967 TOTAL HOURS, 855 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DANSVILLE DEPARTURE POINT DANVILLE,NY INTENDED DESTINATION LOCAL TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR PHASE OF OPERATION IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE REMARKS- DURING FAA CERTIFICATION FLT,TAIL ROTOR FAILED, PIC LOST DIR CONTROL.ACFT ABT 20FT AGL.						
3-3806	12/20/73 TIME - 1402	BETHPAGE,NY	HILLER ACFT FH1100 N609PD DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 50, 5899 TOTAL HOURS, 1798 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GRUMMAN-BETHPAGE DEPARTURE POINT BETHPAGE,NY INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION IN FLIGHT CLIMB TO CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) POWERPLANT - COMPRESSOR ASSEMBLY FAN MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. REMARKS- LARGE QUANTITY OF TEXTILE MATERIAL FOUND IN ENG COMPRESSOR.SNOW SCOOP INSTALLED 12/14/73.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1626	6/3/73 TIME - 0925	CHARLOTTE, NC	BELL 47G5 N7089J DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 1 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 35, 738 TOTAL HOURS, 522 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DOUGLAS MUN DEPARTURE POINT INTENDED DESTINATION CHARLOTTE, NC LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION LANDING OTHER LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) TERRAIN - HIDDEN OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE REMARKS- SIMULATED FORCED LDG. FLARED TOO LATE, T/R HIT STUMP IN TALL GRASS.						
3-1625	6/15/73 TIME - 1015	LUMBERTON, NC	HUGHES 269B N9507F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	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 COLLIDED WITH WIRES/POLES PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN 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 - 5 KIND OF CROP - CORN PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - WIND CALM REMARKS- HIT PWR LINE. KIND OF OPERATION - DUSTING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC CRASH HELMET - AVAILABLE-USED ELEVATION-AREA BEING TREATED- FEET - 135 PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN						
3-2529	9/1/73 TIME - 1700	YADKINVILLE, NC	BELL 47G-2 N262MV DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 25, 628 TOTAL HOURS, 96 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION YADKINVILLE, NC LOCAL TYPE OF ACCIDENT COLLIDED WITH OBJECT PHASE OF OPERATION LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- INTENTIONAL LANDING ON TRAILER, TAIL ROTOR STRUCK WINCH ON TRAILER, ACFT WENT OUT OF CONTROL.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3865	11/6/73 TIME - 0630	SALISBURY, NC	BENSON B8M N6020 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, 6 IN TYPE, UNK/NR INSTRUMENT RATED.
NAME OF AIRPORT - ROWAN COUNTY DEPARTURE POINT INTENDED DESTINATION . SALISBURY, NC LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- PLT DID NOT HAVE ANY FLT TIME FOR PAST 90 DAYS.						
3-4161	11/15/73 TIME - 1015	AULANDER, NC	BELL 47G-4 N73276 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	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 PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT SWATH RUN COLLIDED WITH TREES LANDING FINAL APPROACH PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF OPERATION - SPRAYING FORESTS KIND OF CROP - FOREST-TREES TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC 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 - 60 SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED REMARKS- NR 4 CONN ROD CAP BOLTS BROKE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0506	3/22/73 TIME - 1245	MORaine,OHIO	HUGHES 269A N9541F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL CHECK	STUDENT, AGE 32, 58 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - MORaine AIRPARK				
		DEPARTURE POINT				
		MORaine,OHIO				
		TYPE OF ACCIDENT				
		COLLIDED WITH OBJECT				
				PHASE OF OPERATION		
				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.						
3-1353	6/9/73 TIME - 1500	AMELIA,OHIO	BENSEN B-8M N14439 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 34, 24 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - HUMPHRIES				
		DEPARTURE POINT				
		AMELIA,OHIO				
		TYPE OF ACCIDENT				
		ENGINE FAILURE OR MALFUNCTION				
		ROLL OVER				
				PHASE OF OPERATION		
				LANDING TRAFFIC PATTERN-CIRCLING		
				LANDING POWER-OFF AUTOROTATIVE 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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4052	9/24/73 TIME - 0915	NR. WASHINGTON CH, OHIO	BELL 47-G5 N4101G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 28, 940 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - FAYETTE CO DEPARTURE POINT INTENDED DESTINATION WASHINGTON 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 CROP - BEANS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT REMARKS- POWER LOSS FROM STUCK EXHAUST VALVE. MAIN ROTOR STRUCK TAIL BOOM DURING FORCED LANDING.						
3-3968	10/16/73 TIME - 0930	SPRINGFIELD, OHIO	HUGHES 269B N9342F DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 47, 7135 TOTAL HOURS, UNK/NR IN 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 OFF 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 ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0812	4/21/73 TIME - 1120	ENID, OKLA	HUGHES 269B N115AC DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 37, 2291 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT ENID, OKLA		INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
TYPE OF ACCIDENT HARD LANDING						
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - IMPROPER EMERGENCY PROCEDURES EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT SUSPECTED MECHANICAL DISCREPANCY						
REMARKS- PILOT ATTEMPTED PRECAUTIONARY LANDING DUE TO SUSPECTED MECH DISCREPANCY. ALLOWED ROTOR RPM TO DECAY						
3-1372	5/28/73 TIME - 1820	GUYMON, OKLA	HILLER UH-12B N6744C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 50, 12000 TOTAL HOURS, 310 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GUYMON AIRPARK		INTENDED DESTINATION LOCAL		PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE LANDING		
DEPARTURE POINT GUYMON, OKLA						
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER						
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - EXHAUST SYSTEM EXTERNAL SUPERCHARGER POWERPLANT - ENGINE CONTROLS-COCKPIT THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - JAMMED PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.						
REMARKS- AFTR T/O TO HOVER THEN TRANS LIFT ENG PWR LEVR STUCK. ENG OVERBOOST, PLT CUT IGN. LINKAGE OUT OF RIG.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1765	8/1/73 TIME - 0945	SHIDLER, OKLA	HUGHES 269C N9662F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 26, 1076 TOTAL HOURS, 86 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SHIDLER, OKLA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPERLY SERVICED AIRCRAFT (OWNER-PILOT) MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE 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 - 300 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 1000 REMARKS- HELIO FUELED FRM TANK ON PLTS OWN TRUCK-WATER IN TANK. ENTIRE HELIO FUEL SYS CONTAMINATED.						
3-4048	8/16/73 TIME - 1645	SPRINGER, OKLA	EL TOMCAT MK5 N11VH DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 28, 2790 TOTAL HOURS, 110 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ARDMORE, OKLA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED		PHASE OF OPERATION IN FLIGHT RETURN TO STRIP		
PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 615 KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND FIRE AFTER IMPACT REMARKS- PLT CHOLINESTERASE 2.53, NORMAL IS 3.35-5.67. HIT TREE PRIOR TO GND IMPACT. 16GALS FUEL LAST TKOF.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4025	12/22/73 TIME - 0845	TULSA, OKLA	HUGHES 269B N11XC DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	ATR, FLIGHT INSTR., AGE 37, 11240 TOTAL HOURS, 1500 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - TULSA INTL DEPARTURE POINT INTENDED DESTINATION TULSA, OKLA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED TAKEOFF OTHER PROBABLE CAUSE(S) DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT REMARKS- LOST CTL ABT 5 FT AGL AFTER RUNNING TKOF.						
3-0235	1/2/73 TIME - 0930	CORVALLIS, OREG	BELL 47G-5 N1420 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 45, 9992 TOTAL HOURS, 627 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - CORVALLIS DEPARTURE POINT INTENDED DESTINATION CORVALLIS, OREG LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING ROLL-ON/RUN-ON PROBABLE CAUSE(S) DUAL STUDENT - MISJUDGED SPEED AND ALTITUDE DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
3-0271	2/2/73 TIME - 1335	PORTLAND, OREG	BELL 47D1 N112B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 64, 4309 TOTAL HOURS, 49 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION GOODAT HELIPORT LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH BUILDING(S) LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- TAIL ROTOR HIT BLDG DRG LDG ON TRAILER.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0884	4/11/73 TIME - 1115	PILOT ROCK, OREG	KAMAN K-600 N11012 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 39, 3518 TOTAL HOURS, 1100 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PILOT ROCK, OREG	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE OTHER 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 - 1100 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - WIND CALM REMARKS- LINK ROD NR 8 CYL FAILED.						
3-2593	6/21/73 TIME - 1650	NR. WARM SPRINGS, OREG	BELL 47G-3B N1324X DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 2 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, FL. INSTR., AGE UNK/NR, 2689 TOTAL HOURS, 1368 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT RIPPLEBROK RNGR, OREG	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT LOW PASS		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. WEATHER - HIGH DENSITY ALTITUDE FACTOR(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 73			
		WIND DIRECTION-DEGREES 90	WIND VELOCITY-KNOTS 4			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
FIRE AFTER IMPACT REMARKS- ATMTD LOW ALT, A/S MNVR AT NEAR MAX GWT. DENS ALT ABOUT 7000.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2547	7/9/73 TIME - 1945	CAVE JCTN, OREG	HILLER FH1100 N427FH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 33, 5250 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT CAVE JCTN, OREG	INTENDED DESTINATION LOCAL	PHASE OF OPERATION TAKEOFF VERTICAL		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED				
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.						
3-3224	9/9/73 TIME - 1000	REDMOND, OREG	MCCULLOCH J-2 N4327G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 21, 462 TOTAL HOURS, 6 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ALBANY, OREG	INTENDED DESTINATION REDMOND, OREG	PHASE OF OPERATION IN FLIGHT OTHER		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING WEATHER - HIGH DENSITY ALTITUDE						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 68			
		WIND DIRECTION-DEGREES 280	WIND VELOCITY-KNOTS 7			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0332	3/22/73 TIME - 1345	RIMERSBURG, PA	BELL 206A N8030 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 27, 4639 TOTAL HOURS, 405 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT KNOX, PA			INTENDED DESTINATION CHARLEROI, PA		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
TYPE OF ACCIDENT HARD LANDING						
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS						
REMARKS- AFCT STRUCK GROUND HARD TAIL FIRST. OWNER REQUESTED PILOT TO DEMONSTRATE AUTOROTATION DSCNT.						
3-0530	4/17/73 TIME - 1025	PHILADELPHIA, PA	ENSTROM F-28A N9562 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL CHECK	COMMERCIAL, FL. INSTR., AGE 24, 2845 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - N PHILADELPHIA			INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
DEPARTURE POINT PHILADELPHIA, PA						
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER			CONTROLLED			
PROBABLE CAUSE(S) CHECK PILOT - IMPROPER LEVEL OFF CHECK PILOT - MISJUDGED ALTITUDE						
REMARKS- WIND GUSTING 21K. TAIL ROTOR HIT RWY FIRST.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1200	4/29/73 TIME - 1515	CENTR SQUARE, PA	ENSTROM F-28A N9589 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 26, 1470 TOTAL HOURS, 4 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - WINGS FIELD DEPARTURE POINT INTENDED DESTINATION AMBLER, PA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH DIRT BANK IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED 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 70 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 300 20 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE						
3-2335	8/17/73 TIME - 1058	STOCKERTOWN, PA	BELL 47D1 N2795A DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 2930 TOTAL HOURS, 2745 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION STOCKERTOWN, PA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT PULLUP FROM SWATH RUN 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 - 2900 KIND OF CROP - BEANS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 550 PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN REMARKS- DURING SPRAYING OPERATION 2ND RUN PLT FORGOT TELFON WIRE WAS THERE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3996	9/28/73 TIME - 1115	MILESBERG, PA	BELL 206B N7079J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL. INSTR., AGE 28, 905 TOTAL HOURS, 94 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MILESBERG, PA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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 FWD SPEED NEAR ZERO ABT 15FT AGL APLD FULL COLL.						
3-3021	10/9/73 TIME - 1815	NEMACOLIN, PA	SIKORSKY S-55B N414A DAMAGE-DESTROYED	CR- 0 2 0 PX- 1 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 29, 3935 TOTAL HOURS, 93 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WAYNESBURG, PA	INTENDED DESTINATION NEMACOLIN, PA			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED	PHASE OF OPERATION 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 CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 3 MILES OR LESS	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE HAZE	TYPE OF WEATHER CONDITIONS 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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3225	10/25/73 TIME - 1610	WAYNESBURG, PA	BELL 47G-5 N8556F DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 27, 2620 TOTAL HOURS, 1260 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION WASHINGTON, PA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION AIRFRAME FAILURE IN FLIGHT IN FLIGHT NORMAL CRUISE PROBABLE CAUSE(S) AIRFRAME - FUSELAGE OTHER MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - POOR WELD MISCELLANEOUS ACTS, CONDITIONS - CORRODED/CORROSION MISCELLANEOUS ACTS, CONDITIONS - PREVIOUS DAMAGE FIRE AFTER IMPACT REMARKS- TAIL BOOM SEPARATED AT STA 70. PRIOR DMG & REPAIRS TO AREA IN 1969.						
3-3486	11/20/73 TIME - 1625	WEBSTER, PA	BELL 206A N461NC DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0 OT- 0 0 1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 29, 2493 TOTAL HOURS, 150 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - ROSTRAVER DEPARTURE POINT INTENDED DESTINATION CONNELLSVILLE, PA W. MIFFLIN, PA TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT BOTH IN FLIGHT IN FLIGHT NORMAL CRUISE PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT SPECIAL DATA SEGMENTS OF AVIATION INVOLVED - SMALL US GEN. AV.-SMALL US GEN. AV. CONTROLLING AGENCY - UNKNOWN/NOT REPORTED RADAR CTL/SURVEILLANCE - UNKNOWN/NOT REPORTED TRAFFIC ADVISORY ISSUED - UNKNOWN/NOT REPORTED CONTROLLED/UNCONTROLLED AIRPORT - UNCONTROLLED AIRPORT CONTROL ZONE/AREA - NO EVASIVE ACTION TAKEN - NO ANTI-COLLISION LIGHTS - INSTALLED, OPERATION UNKNOWN REMARKS- M/R BLADES SEPRTD AFT HITTING CESSNA.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2029	7/13/73 TIME - 1800	NR.WAGENER,SC	HUGHES 269B N9380F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 28, 1300 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WAGENER,SC	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP LANDING ROLL-ON/RUN-ON			
PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - ROUGH/UNEVEN						
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 TOTAL HOURS IN CROP CONTROL - 1300 KIND OF CROP - COTTON PILOT'S SEAT BELT - NOT FASTENED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 350 REMARKS- LOST PWR,MADE SLIDE ON LOG.OAT 90DEG.						
		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 - UNKNOWN/NOT REPORTED				
3-2164	8/4/73 TIME - 1000	NR.BENNETTSVILLE,SC	BELL 47D-1 N1MH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 30, 3850 TOTAL HOURS, 1015 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BENNETTSVILLE,SC	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT HARD LANDING GROUND-WATER LOOP-SWERVE	PHASE OF OPERATION LANDING POWER-ON LANDING LANDING OTHER			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1200 KIND OF CROP - COTTON PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 150 REMARKS- PLT LOST DIR CONTROL FOLLOWING TAIL ROTOR DMG DURING HARD LOG.						
		KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2319	8/31/73 TIME - 0730	DALZELL, SC	BELL 47G-2 N6711D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 50, 20000 TOTAL HOURS, 112 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - AG-ROTOR DEPARTURE POINT INTENDED DESTINATION DALZELL, SC LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH PARKED AIRCRAFT TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - CONGESTED RAMP/TAXIWAY REMARKS- SPRAY BOOM OF ACFT HIT SPRAY BOOM OF OTR HELI PARKED ADJACENT. MINOR DMG TO OTR ACFT. NO LOAD ABD.						
3-0973	4/25/73 TIME - 0955	HUMBOLDT, TENN	BELL 47G-4 N2245W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 1 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 40, 6550 TOTAL HOURS, 4000 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION JACKSON, TENN LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT OTHER COLLIDED WITH WIRES/POLES IN FLIGHT AUTOROTATIVE DESCENT PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- UN CLR WIRES, ATMTD SLO DWN AND DSCND BTWN WIRES. HELICOPTER HIT WIRES, PLT LOST CTL, PWR LINE PATROL						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1432	5/8/73 TIME - 1120	MEMPHIS, TENN	HUGHES 269A N8885F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 24, 1958 TOTAL HOURS, 134 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - MEMPHIS INT DEPARTURE POINT INTENDED DESTINATION MEMPHIS, TENN WALLS, MISS TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY INSTALLED PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LWR COUPLING SHAFT FWD BUMPER, P/N 269A 5513, MISSING. ACFT NOT LVL PRIOR TO T/D.						
3-3438	11/1/73 TIME - 1330	MILLINGTON, TENN	HUGHES 269B N9570F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 31, 4850 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION WEST MEMPHIS, ARK LOCAL TYPE OF ACCIDENT PHASE OF OPERATION FIRE OR EXPLOSION IN FLIGHT IN FLIGHT HOVERING PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE FIRE AFTER IMPACT REMARKS- BOOST PUMP SUSPECTED SOURCE OF FIRE. ELECTRIC FUEL BOOST PUMP BADLY BURNED IN AREA OF INTENSE FIRE.						
3-0160	1/10/73 TIME - 1145	DALLAS, TEX	BELL 47G-5 N1365X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 26, 890 TOTAL HOURS, 33 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GARLAND DEPARTURE POINT INTENDED DESTINATION DALLAS, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED LANDING OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS REMARKS- MISJUDGED PWR RECOVERY FROM PRACTICE AUTOROTATION						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0358	2/2/73 TIME - 1230	HARLINGEN, TEX	BELL 47G-5 N7923J DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 25, 1350 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HARLINGEN INDUST DEPARTURE POINT INTENDED DESTINATION HARLINGEN, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION NOSE OVER/DOWN LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS OTHER MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS REMARKS- PRACTICE AUTOROTATION. R SKI DUG INTO SOFT GRND.						
3-0057	2/10/73 TIME - 1410	ROBSTOWN, TEX	BELL 47G N3740G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 41, 5420 TOTAL HOURS, 2013 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NUECES DEPARTURE POINT INTENDED DESTINATION ROBSTOWN, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH OBJECT IN FLIGHT POWER-ON DESCENT ROLL OVER LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND CLEARANCE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA REMARKS- ATMTD LDG ON TRAILER, NOT ALIGNED, SKIDDED OFF. TAIL ROTOR HIT TRAILER PLT LOST DIR CTL.						
3-0651	4/4/73 TIME - 1000	SAN ANTONIO, TEX	BELL 47G N2772 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 29, 202 TOTAL HOURS, 21 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - STINSON DEPARTURE POINT INTENDED DESTINATION SAN ANTONIO, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR IN FLIGHT HOVERING HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR GEAR BOX MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. REMARKS- TRANSMISSION SEIZED DUE PINION GR FAILURE IN UPPER PLANETARY SYS. TAIL ROTOR DRIVE SHEARED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0850	5/1/73 TIME - 0910	NR.UVALDE,TEX	HUGHES 269A N8774F DAMAGE-DESTROYED	CR- 1 1 0 PX- 0 0 0	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, FL.INSTR., AGE 34, 4743 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT UVALDE,TEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	PHASE OF OPERATION IN FLIGHT LOW PASS			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
FACTOR(S) PILOT IN COMMAND - MISJUDGED ALTITUDE						
TERRAIN - HIGH OBSTRUCTIONS						
REMARKS- LIVESTOCK SURVEY. HIT WIRES ABOUT 25 FT ABOVE RIVER BED.						
3-1022	5/14/73 TIME - 1830	JUSTIN,TEX	HILLER ACFT UH-12C N5328V DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 2670 TOTAL HOURS, 330 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT JUSTIN,TEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH CROP	PHASE OF OPERATION IN FLIGHT SWATH RUN			
PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR(S) TERRAIN - HIGH VEGETATION						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 300			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - GRAIN FIELDS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC			
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 - SIDES			TERRAIN-TYPE - ROLLING			
ELEVATION-AREA BEING TREATED-FEET - 800			SWATH RUN-HOW FLOWN - CROSSWIND			
REMARKS- PLT WAS SPRAYNG 6FT ABOVE CROPS.DRG INSTRUMENT SCAN,MOVED CYCLIC STICK FWD ACFT OSCNDD INTO CROP.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1376	5/21/73 TIME - 1745	DECATUR, TEX	BELL 47D1 N74121 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 51, 7563 TOTAL HOURS, 425 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DECATUR DEPARTURE POINT DECATUR, TEX LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND 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 MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION FACTOR(S) POWERPLANT - POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2700 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 1059 PROCEDURE TURNAROUND - THIRD 1/3 OF TURN REMARKS- ENG QUIT OVR TREES, INCREASED M/R PITCH TO AVOID TREES, LOST M/R RPM. FUEL GAGE 1/4 WITH EMPTY TANK.						
3-1190	5/25/73 TIME - 0730	NR. BORGER, TEX	BELL 47G-4A N4062G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 27, 3577 TOTAL HOURS, 276 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT BORGER, TEX LOCAL TYPE OF ACCIDENT COLLIDED WITH OBJECT PHASE OF OPERATION IN FLIGHT OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- DURING CATTLE ROUND UP TAIL ROTOR STRUCK SAND HILL.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1378	5/29/73 TIME - 1900	GAINESVILLE, TEX	BELL 47G-5 N8563F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL INSTR., AGE 29, 2377 TOTAL HOURS, 135 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - GAINESVILLE MUN DEPARTURE POINT INTENDED DESTINATION GAINESVILLE, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE PILOT IN COMMAND - IMPROPER LEVEL OFF FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS REMARKS- PLT STATED FLARE TOO LOW. M/R BLADES HIT T/R DRIVE SHAFT. PRACTICE AUTOROTATION.						
3-1245	6/29/73 TIME - 1750	PETRONILA, TEX	BELL 47G-4A N1492W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 2180 TOTAL HOURS, 405 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION PETRONILA, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT STARTING SWATH RUN PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - PHYSICAL IMPAIRMENT FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - PILOT FATIGUE SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 650 KIND OF CROP - COTTON PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - AFT OF PILOT ELEVATION-AREA BEING TREATED- FEET - 50 PROCEDURE TURNAROUND - THIRD 1/3 OF TURN FIRE AFTER IMPACT REMARKS- PLT ASST MIXNG CHEM BECAME ILL IN FLT. 7 HRS FLT TIME ON DAY OF ACCIDENT.						
KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1679	7/12/73 TIME - 1300	NR. ALPINE, TEX	HUGHES 269A N8926F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS HUNTING	COMMERCIAL, AGE 44, 15000 TOTAL HOURS, 7010 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ALPINE, TEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT MISCELLANEOUS			PHASE OF OPERATION IN FLIGHT OTHER	
		COLLISION WITH GROUND/WATER	UNCONTROLLED	IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - OPERATED CARELESSLY						
MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS						
MISCELLANEOUS ACTS, CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS						
ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM						
REMARKS- JAMMED FLT CONTRLS COYOTE HUNTING. INVEST REVEALED 4 SHELL CASES UNDER SEAT AT CYCLIC CONT MECHANISM						
3-1683	7/13/73 TIME - 0830	SEALEY, TEX	BELL 47D1 N9713C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 43, 13800 TOTAL HOURS, 10000 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT SEALEY, TEX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT TURBULENCE			PHASE OF OPERATION IN FLIGHT FLAREOUT FOR SWATH RUN	
		COLLISION WITH GROUND/WATER	UNCONTROLLED	IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
MISCELLANEOUS - VORTEX TURBULENCE						
FACTOR(S)						
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 5500			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - GRAIN FIELDS			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC			
PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - NOT USED			
GOGGLES - NOT USED			CRASH HELMET - AVAILABLE-NOT USED			
COCKPIT CRASHPAD - NOT INSTALLED			CRASH BAR - NOT INSTALLED			
TANK/HOPPER-LOCATION - SIDES			TERRAIN-TYPE - LEVEL, FLAT			
ELEVATION-AREA BEING TREATED- FEET - 400			SWATH RUN-HOW FLOWN - WIND CALM			
PROCEDURE TURNAROUND - THIRD 1/3 OF TURN						
REMARKS- FLEW INTO OWN TURB FROM PREVIOUS SWATH RUN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2002	7/13/73 TIME - 1330	DUBLIN, TEX	HILLER UH-12A N6448D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 23, 2010 TOTAL HOURS, 44 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT DUBLIN, TEX			INTENDED DESTINATION LOCAL			
TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES HARD LANDING			PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE						
REMARKS- LDG SKIDS CAUGHT IN WIRES PLT LOWRD COLCTVE BRK WIRES.DURNG LND TAIL BOOM SEVRD.						
3-2365	7/22/73 TIME - 1130	SPRINGTOWN, TEX	HILLER ACFT UH-12A N8145H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 41, 6142 TOTAL HOURS, 1475 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT BOYD, TEX			INTENDED DESTINATION MILLSAP, TEX			
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH OBJECT			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM PUMPS MISCELLANEOUS ACTS, CONDITIONS - SHEARED MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION TERRAIN - OTHER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PIECE OF COTTER PIN LODGED IN PUMP HOUSING, SHEARED DRIVE SHAFT. LND ON SLOPING PLOWED FLD. HIT STUMP						
3-2171	8/21/73 TIME - 0920	HARLINGEN, TEX	BELL 47G-2 N17121 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	PRIVATE, AGE 25, 110 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HARLINGEN			INDUST			
DEPARTURE POINT HARLINGEN, TEX			INTENDED DESTINATION LOCAL			
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER			UNCONTROLLED		PHASE OF OPERATION IN FLIGHT HOVERING	
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
REMARKS- HOVER ABOUT 3 FT AFTER TKOF. LOST CTL.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2207	8/23/73 TIME - 1800	HART, TEX	HUGHES 269B N9341F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0 OT- 1 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 29, 3100 TOTAL HOURS, 2500 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - TRUCK PLATFORM DEPARTURE POINT INTENDED DESTINATION HART, TEX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR LANDING POWER-ON LANDING COLLIDED WITH OBJECT LANDING OTHER PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED MISCELLANEOUS ACTS, CONDITIONS - MISSING FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2200 KIND OF OPERATION - SPRAYING CROPS KIND OF CROP - CORN 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 - UNKNOWN/NOT REPORTED ELEVATION-AREA BEING TREATED- FEET - 3500 REMARKS- COTTER PIN MSG ALLOWD T/R SHAFT SEPARATION. ACFT ROTATED R, HIT TRUCK. M/R BLADE HIT GRND CREWMAN.						
3-3200	10/21/73 TIME - 1700	SUNRAY, TEX	BELL 206B N58090 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 28, 2044 TOTAL HOURS, 1250 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SUNRAY DEPARTURE POINT INTENDED DESTINATION AMARILLO, TEX COLDWATER RANCH, TEX 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 - MISJUDGED SPEED AND ALTITUDE 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 REMARKS- NO ENG MALFUNCTION FOUND. PLT EXPD A SLIGHT TORQUE AND THEN ENG OUT LIGHT AND BEEPER CAME ON.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
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	
	HARD LANDING				LANDING POWER-OFF AUTOROTATIVE 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.					
3-3534	11/23/73	OLNEY, TEX	BENSEN B8M	CR- 0 0 1	NONCOMMERCIAL	NO CERTIFICATE, AGE 53,
	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	
	STALL MUSH				LANDING TRAFFIC PATTERN-CIRCLING	
	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	
	15				VFR	
	TYPE OF FLIGHT PLAN					
	NONE					
	REMARKS- SETTLED WITH PWR ON DOWNWIND LEG, GUSTS TO 25K. PLT FAILED RECENT PHYSICAL EXAM, HI BLOOD PRESS.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3879	12/30/73	NR. STRATFORD, TEX	BELL 47G-2 N6708D	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 38, 1150 TOTAL HOURS, 50 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT STRATFORD, TEX			DAMAGE-SUBSTANTIAL INTENDED DESTINATION AMARILLO, TEX		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						
PROBABLE CAUSE(S) POWERPLANT - ENGINE CONTROLS-COCKPIT THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - FROZEN, MOISTURE PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FACTOR(S) WEATHER - ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC. PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SKY CONDITION OVERCAST			CEILING AT ACCIDENT SITE 1200			
VISIBILITY AT ACCIDENT SITE 5 OR OVER			PRECIPITATION AT ACCIDENT SITE NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 25			
WIND DIRECTION-DEGREES 360			WIND VELOCITY-KNOTS 4			
TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE			
REMARKS- THROTTLE CABLE FROZE IN OPEN PSN, TEMP 25 DEG. PLT CUT MAGS & AUTOROTATED. WASNT ROTOR CRAFT RATED.						
3-0340	2/21/73	SALT LAKE CITY, UT	BELL 47G381 N73972	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 37, 5790 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT PARK CITY, UTAH			DAMAGE-SUBSTANTIAL INTENDED DESTINATION SNOWBIRD RESORT		PHASE OF OPERATION LANDING POWER-ON LANDING LANDING POWER-OFF AUTOROTATIVE LANDING	
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						
PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE TERRAIN - ROUGH/UNEVEN						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
REMARKS- FORCED TO LAND DOWN WIND AND DOWN SLOPE. BROKEN TIMING GEAR.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1177	6/12/73 TIME - 1506	MAGNA,UT	BELL 47G3B1 N8532F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 32, 3017 TOTAL HOURS, 247 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MAGNA,UT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH OBJECT COLLISION WITH GROUND/WATER	UNCONTROLLED	PHASE OF OPERATION LANDING OTHER IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN						
PILOT IN COMMAND - MISJUDGED CLEARANCE						
MISCELLANEOUS ACTS,CONDITIONS - VIBRATION,EXCESSIVE						
MISCELLANEOUS ACTS,CONDITIONS - PREVIOUS DAMAGE						
FACTOR(S)						
TERRAIN - ROUGH/UNEVEN						
MISCELLANEOUS ACTS,CONDITIONS - SUNGLARE						
WEATHER - UNFAVORABLE WIND CONDITIONS						
WEATHER BRIEFING - NO BRIEFING RECEIVED						
WEATHER FORECAST - UNKNOWN/NOT REPORTED						
SKY CONDITION CLEAR				CEILING AT ACCIDENT SITE UNLIMITED		
VISIBILITY AT ACCIDENT SITE 5 OR OVER				PRECIPITATION AT ACCIDENT SITE NONE		
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 94		
WIND DIRECTION-DEGREES 270				WIND VELOCITY-KNOTS 15		
TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE		
FIRE AFTER IMPACT						
REMARKS- LND ON 60 DEG MTN SLOPE TO PICK UP PAX.M/R BLADE HIT GRND.CRASHED 200 FT DOWNSLOPE.GUSTING TO 30K.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3842	6/17/73	NR.RICHFIELD,UT TIME - 0715	HILLER ACFT UH-12E N5332V DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 27, 3959 TOTAL HOURS, 592 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT RICHFIELD,UT						
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER			CONTROLLED		PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP	
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
FACTOR(S) INSTRUMENTS/EQUIPMENT AND ACCESSORIES - MISCELLANEOUS EQUIPMENT SPRAY,DUSTING EQUIPMENT MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED WEATHER - HIGH DENSITY ALTITUDE TERRAIN - ROUGH/UNEVEN MISCELLANEOUS ACTS,CONDITIONS - LATERAL IMBALANCE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED						
SKY CONDITION CLEAR			CEILING AT ACCIDENT SITE UNLIMITED			
VISIBILITY AT ACCIDENT SITE 5 OR OVER			PRECIPITATION AT ACCIDENT SITE NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 58			
WIND DIRECTION-DEGREES 225			WIND VELOCITY-KNOTS 7			
TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE			
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - FOREST-TREES PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED TERRAIN-TYPE - MOUNTAINOUS REMARKS- ONLY ONE TANK DUMPED,UNDET REASON.DENSITY ALT 9500FT.						
			KIND OF OPERATION - SPRAYING FORESTS TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 7800			
3-3264	5/16/73	RICHMOND,VA TIME - 1000	HUGHES 269C N9693F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 43, 2284 TOTAL HOURS, 242 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DOWNTOWN HELIPORT						
DEPARTURE POINT RICHMOND,VA			INTENDED DESTINATION RICHMOND,VA			
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION IN FLIGHT AUTOROTATIVE DESCENT LANDING POWER-OFF AUTOROTATIVE LANDING			
PROBABLE CAUSE(S) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS,CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - BINDING REMARKS- DRG FLARE DETECTED BINDING IN COLLECTIVE CTL.MARK FOUND ON PLTS GUN HOLSTER NOT THERE BFR ACDT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1303	5/19/73 TIME - 1200	BUCKINGHAM, VA	BANNICK T-100 N8719E DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 56, 115 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BRADSHAW DEPARTURE POINT INTENDED DESTINATION BUCKINGHAM, VA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION 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 TIME - 0950	NR.PULASKI, VA	BELL 47-G2A N8484E DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 32, 675 TOTAL HOURS, 209 IN TYPE, 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 CROP - FOREST-TREES GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - HILLY SWATH RUN-HOW FLOWN - DOWNWIND KIND OF OPERATION - DEFOLIATION (DUST) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 2000 REMARKS- MOMENTARY PWR LOSS FR UNKN REASONS.FLEW DNHILL OVR TREES HIT DOUBLE PHASE TAP.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3401	8/27/73 TIME - 1101	NR.NORA,VA	BELL 47-G4 N1218W DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 1025 TOTAL HOURS, 389 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT NORA,VA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES	PHASE OF OPERATION IN FLIGHT SWATH RUN IN FLIGHT MANEUVER TO AVOID OBSTRUCTION			
PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
FACTOR(S) WEATHER - HIGH TEMPERATURE TERRAIN - HIGH OBSTRUCTIONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 81			
		WIND VELOCITY-KNOTS CALM	TYPE OF WEATHER CONDITIONS VFR			
		TYPE OF FLIGHT PLAN NONE				
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1025 KIND OF CROP - FOREST-TREES GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - HILLY SWATH RUN-HOW FLOWN - WIND CALM REMARKS- PLT EXPD PWR LOSS PREVIOUSLY.						
		KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET = 2500				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0122	1/16/73 TIME - 1120	NORTH BEND, WASH	HUGHES 369HS N9033F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL. INSTR., AGE 24, 2775 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MAPLE VALLEY, WASH	INTENDED DESTINATION FINDLEY LAKE, WASH	PHASE OF OPERATION LANDING ROLL-ON/RUN-ON LANDING ROLL-ON/RUN-ON		
		TYPE OF ACCIDENT HARD LANDING ROLL OVER				
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 TIME - 1040	NR. CLARKSTON, WASH	ALOUETTE III N9703 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 5	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 36, 4722 TOTAL HOURS, 31 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LEWISTON, ID	INTENDED DESTINATION RETURN	LAST ENROUTE STOP CLARKSTON, WASH		
		TYPE OF ACCIDENT ROLL OVER				
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 SCATTERED	CEILING AT ACCIDENT SITE 5000			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	WIND VELOCITY-KNOTS 20			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN NONE			
REMARKS- ATTEMPTED TKOF FROM SLOPING TERRAIN WITH DEPRESSED R GR OLED STRUT IN WINDS GUSTING TO 30K.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1834	5/26/73 TIME - 0840	HARRINGTON, WASH	BELL TOMCAT N73865 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 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 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 - 9000 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 2000 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 - ROLLING SWATH RUN-HOW FLOWN - DOWNWIND						
3-3312	6/19/73 TIME - 1510	MARBLEMOUNT, WASH	SIKORSKY S-61L N302Y DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS OTHER	COMMERCIAL, AGE 28, 2063 TOTAL HOURS, 495 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION MARBLEMOUNT, WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH TREES TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND VELOCITY-KNOTS CALM TYPE OF FLIGHT PLAN NONE FIRE AFTER IMPACT REMARKS- HEAVY LOAD, DENS ALT ABT 5000FT MSL. CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 80 TYPE OF WEATHER CONDITIONS VFR						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2998	7/7/73 TIME - 0700	ANACORTES, WASH	BELL 47D N964B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 24, 1875 TOTAL HOURS, 114 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - BAYVIEW DEPARTURE POINT INTENDED DESTINATION BURLINGTON, WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT PULLUP FROM SWATH RUN HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM SUSPECTED OR KNOWN AIRCRAFT DAMAGE REMARKS- FATIGUE-T/R BLADE YOKE P/N 47-641-057-9. PLT MAINTAINED CONTROL 2 MIN.						
3-2893	7/7/73 TIME - 0900	RENTON, WASH	HUGHES 269A N2SW DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS DEMONSTRATION	ATR, FLIGHT INSTR., AGE 33, 2800 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION RENTON, WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED IN FLIGHT POWER-ON DESCENT PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
3-3230	7/16/73 TIME - 1624	SULTAN, WASH	KAMAN H-43A N2855J DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0 OT- 1 0 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, AGE 34, 2883 TOTAL HOURS, 2128 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION SULTAN, WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) SYSTEMS - OTHER SYSTEMS OTHER TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT REMARKS- 4 WHEELS. EMERG WATER DROP. UN TO OPEN GATES OR JETTISON LOAD, PLT DISTRACTED. FIREMAN HIT BY HOR STAB						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3176	8/3/73 TIME - 1105	NR.TONASKET,WASH	BELL 47G3B2 N78255 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 30, 2305 TOTAL HOURS, 515 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT OMAK,WASH		PHASE OF OPERATION TAKEOFF ABORTED		
		TYPE OF ACCIDENT COLLIDED WITH TREES				
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 - FAILED TO MAINTAIN DIRECTIONAL CONTROL						
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE TERRAIN - HIGH OBSTRUCTIONS						
		SKY CONDITION CLEAR		CEILING AT ACCIDENT SITE UNLIMITED		
		VISIBILITY AT ACCIDENT SITE 5 OR OVER		PRECIPITATION AT ACCIDENT SITE NONE		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 70		
		WIND DIRECTION-DEGREES 20		WIND VELOCITY-KNOTS 3		
		TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE		
REMARKS- LOST ROTOR RPM.ATMTD LDG ON ROAD,M/R HIT TREE.DENS ALT 5800FT.						
3-3829	8/8/73 TIME - 1925	INCHELIUM,WASH	BELL 47J-2A N8439E DAMAGE-DESTROYED INTENDED DESTINATION INCHELIUM,WASH	CR- 0 1 0 PX- 0 0 0	COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 41, 1920 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SPOKANE,WASH		PHASE OF OPERATION LANDING FINAL APPROACH		
		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.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4044	8/26/73 TIME - 1255	PACKWOOD, WASH	HUGHES 369HS N9043F DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, FL. INSTR., AGE 33, 3224 TOTAL HOURS, 220 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT PACKWOOD, WASH	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES	PHASE OF OPERATION IN FLIGHT HOVERING 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 CLEAR	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 60			
		WIND VELOCITY-KNOTS CALM	TYPE OF WEATHER CONDITIONS VFR			
		TYPE OF FLIGHT PLAN NONE				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3631	9/2/73 TIME - 1436	LESTER, WASH	BELL 205-A1 N1440W DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 2	MISCELLANEOUS OTHER PUBLIC	ATR, FLIGHT INSTR., AGE 35, 3254 TOTAL HOURS, 2689 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - KELLY BUTTE HELIP DEPARTURE POINT INTENDED DESTINATION LESTER, WASH LESTER, WASH TYPE OF ACCIDENT PHASE OF OPERATION UNDERSHOOT LANDING FINAL APPROACH ROLL OVER LANDING GO-AROUND PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - DISREGARD OF GOOD OPERATING PRACTICE MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G. FACTOR(S) WEATHER - SUDDEN WINDSHIFT WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED 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 63 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 270 10 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR VFR REMARKS- ACFT ON USFS CONTRACT. DENSITY ALT 7000FT. OVERWEIGHT BY 1025 LBS. GUSTING TO 13K.						
3-3228	9/4/73 TIME - 1530	PUYALLUP, WASH	HUGHES 269B N9432F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 44, 1951 TOTAL HOURS, 650 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PUYALLUP INDSTR L DEPARTURE POINT INTENDED DESTINATION PUYALLUP, WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE REMARKS- PRACTICE AUTOROTATION. HIT TAIL ON RECOVERY, ROLLED OVER.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3229	9/7/73 TIME - 1330	EATONVILLE, WASH	HUGHES 269A N8813 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 27, 1487 TOTAL HOURS, 175 IN TYPE, NOT INSTRUMENT 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 MTN SITE.						
3-3611	9/16/73 TIME - 1100	EAGLE LAKE, WASH	HUGHES 269C N8955F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 36, 2451 TOTAL HOURS, 825 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EAGLE LAKE HELI DEPARTURE POINT INTENDED DESTINATION EAGLE LAKE, WASH UNKNOWN/NOT REPORTED 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 OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3610	9/23/73 TIME - 1630	FORKS,WASH	HUGHES 269A N8763F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 34, 199 TOTAL HOURS, 68 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FORKS,WASH	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION IN FLIGHT POWER-ON DESCENT 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 PILOT IN COMMAND - MISJUDGED ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- EMERG AUTOROTATION,FLARED TOO HIGH,RAN OUT OF FUEL.NOT ROTOR CRAFT RATED.						
3-3177	10/8/73 TIME - 1330	FORKS,WASH	BELL 47F-2 N5161B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 45, 5407 TOTAL HOURS, 330 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FORKS,WASH	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLISION WITH GROUND/WATER CONTROLLED	PHASE OF OPERATION IN FLIGHT HOVERING LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM CLUTCH ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - IMPROPER CLEARANCE-TOLERANCE TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- CLUTCH SHOES,PN 47-G20-609-05 WERE GLAZED. M/R SYSTEM WOULDNT ENGAGE. STUMP COVERED AREA.						
3-3608	10/19/73 TIME - 0950	ALPENTAL,WASH	SIKORSKY S-58E N4382S DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	COMMERCIAL CONSTRUCTION	ATR, FLIGHT INSTR., AGE 27, 3230 TOTAL HOURS, 330 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - BANDERA STATE DEPARTURE POINT SEATTLE,WASH	INTENDED DESTINATION ALPENTAL,WASH			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED	PHASE OF OPERATION IN FLIGHT 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 POWERPLANT & POWERPLANT 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						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3597	11/1/73 TIME - 1300	NR.FORKS,WASH	BELL 47G-3B N73918 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	AIRLINE TRANSPORT, AGE 45, 5426 TOTAL HOURS, 2411 IN TYPE, NOT INSTRU- MENT RATED.
NAME OF AIRPORT - FORKS DEPARTURE POINT INTENDED DESTINATION FORKS,WASH LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT HOVERING COLLIDED WITH TREES LANDING POWER-ON LANDING 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 PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - ERRATIC PARTIAL POWER LOSS - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT UNUSUAL NOISE SUSPECTED MECHANICAL DISCREPANCY REMARKS- COOLING SYS FAN BELT FAILED,DMG CYCLIC HYD CTL UNIT. LND STUMP COVERED TERRAIN.						
3-4032	11/1/73 TIME - 1300	NR.CENTRALIA,WASH	HILLER ACFT FH1100 N750NH DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	MISCELLANEOUS UNKNOWN/NOT REPORTED	PRIVATE, AGE 57, 801 TOTAL HOURS, 308 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION PORTLAND,OREG PORTLAND,OREG TYPE OF ACCIDENT LAST ENROUTE STOP ENGINE FAILURE OR MALFUNCTION UNKNOWN/NOT REPORTED COLLISION WITH GROUND/WATER CONTROLLED PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS MISCELLANEOUS ACTS,CONDITIONS - WINDSHIELD,DIRTY,FOGGY,ETC.-RESTRICTED VISION WEATHER - OBSTRUCTIONS TO VISION PILOT IN COMMAND - MISJUDGED ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SKY CONDITION CEILING AT ACCIDENT SITE SCATTERED UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER THUNDERSTORM OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F SMOKE 50 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS CALM VFR TYPE OF FLIGHT PLAN NONE REMARKS- DMGD SKIDS,FUSELAGE,ENG MOUNT,TAIL ROTR SHFT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4067	12/28/73 TIME - 1230	QUEETS, WASH	HILLER UH-12E N28875 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 25, 1702 TOTAL HOURS, 305 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT QUEETS, WASH	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER		
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER			LANDING POWER-OFF AUTOROTATIVE 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- ENG FAILED FOR REASON NOT DETERMINED LANDED IN UNPREPARED AREA. ACFT OVERTURNED AND CAUGHT FIRE.					
3-1661	6/7/73 TIME - 1030	STICKNEY, W VA	BELL 47G2A1 N1215W DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 35, 4970 TOTAL HOURS, 2200 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT EDWIGHT, W VA	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT SURVEY FIELD/AREA		
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES					
	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 - UNKNOWN/NOT REPORTED KIND OF CROP - FOREST-TREES PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 2300 REMARKS- SURVEYING SPRAY AREA. HIT PWR LINES.					
	KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - MOUNTAINOUS SWATH RUN-HOW FLOWN - WIND CALM TRUCK HIGH TENSION WIRES.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4001	7/31/73 TIME - 1300	AUGUSTA, W VA	ENSTROM F-28A N101EB DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 1 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 37, 2514 TOTAL HOURS, 193 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT AUGUSTA, W VA			INTENDED DESTINATION LOCAL		PHASE OF OPERATION TAKEOFF INITIAL CLIMB	
TYPE OF ACCIDENT COLLIDED WITH TREES						
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
REMARKS- TWO TKOFS ABORTD. CRASHD THIRD TKOF.						
3-1239	6/24/73 TIME - 1815	APPLETON, WIS	BELL 47G-5 N7840S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 3500 TOTAL HOURS, 85 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT APPLETON, WIS			INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT SWATH RUN	
TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2000 KIND OF CROP - PEAS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 750 REMARKS- WIRES 20FT AGL, AT END OF 2ND PASS HOOKED TELEPHONE LINES ABV SKID AREA.						
			KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND			
3-0230	2/22/73 TIME - 1715	HANNA, WYO	HUGHES 269A N8859F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL. INSTR., AGE 22, 1081 TOTAL HOURS, 113 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT RAWLINS, WYO			INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER LANDING POWER-OFF AUTOROTATIVE LANDING	
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						
PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ALT TOO LOW FOR RECOVERY. HUNTING COYOTES.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1522	6/11/73 TIME - 1840	BAGGS,WYO	HUGHES 269A N8859F DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 22, 1253 TOTAL HOURS, 239 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT DAD,WYO		INTENDED DESTINATION LOCAL				
TYPE OF ACCIDENT STALL MUSH				PHASE OF OPERATION IN FLIGHT LOW PASS		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE						
SKY CONDITION BROKEN/LOWER SCATTERED		CEILING AT ACCIDENT SITE 25000				
VISIBILITY AT ACCIDENT SITE 5 OR OVER		PRECIPITATION AT ACCIDENT SITE NONE				
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 66				
WIND DIRECTION-DEGREES 30		WIND VELOCITY-KNOTS 10				
TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE				
3-1877	4/5/73 TIME - 2306	WASHINGTON,DC	BELL 47G-4A N7949J DAMAGE-SUBSTANTIAL	CR- 0 1 1 PX- 0 0 0	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 47, 741 TOTAL HOURS, 531 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - WASHINGTON NATL						
DEPARTURE POINT WASHINGTON,DC		INTENDED DESTINATION LOCAL				
TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH WIRES/POLES				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE 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

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3983	10/16/73	NR. JAYUYA, PR TIME - 0850	SIKORSKY S-62A N1166U DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL. INSTR., AGE 42, 7695 TOTAL HOURS, 208 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CAROLINA, PR	INTENDED DESTINATION JAYUYA, PR			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- LOUD NOISE, PWR LOSS, AUTOROTATION TO SLOPING TERRAIN.						
3-2697	9/12/73	ST THOMAS, VI TIME - 1525	HILLER ACFT UH-12A N8151H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, FL. INSTR., AGE 24, 348 TOTAL HOURS, 15 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - HARRY S TRUMAN DEPARTURE POINT ST THOMAS, VI	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER ROLL OVER	CONTROLLED	PHASE OF OPERATION TAXI AERIAL TAXI TO TAKEOFF TAXI AERIAL TAXI TO TAKEOFF		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT REMARKS- DRG ATPT HOLD SHORT OF RWY ABT 12 AGL AS FWD MOVEMENT BEGAN TO STOP LOST ROTOR AND ENG RPM.						
6-0042	10/11/73	NR. REQUENA, PERU TIME - UNK/NR	SIKORSKY S-62A N316Y DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 8 4 0	COMMERCIAL CTR CARGO-I	COMMERCIAL, AGE 27, 2090 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT REQUENA, PERU	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER REMARKS- INVEST UNDER JURISDICTION OF GOVT OF PERU.	UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT		

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N			FLIGHT PURPOSE	PILOT DATA	
6-0068	4/13/73 TIME - 1320	GOTHENBURG, SWEDEN	HILLER ACFT UH-12B N6055 DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS FERRY	COMMERCIAL, FL. INSTR., AGE 23, 1160 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT GOTHENBURG, SWEDEN	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT HOVERING		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED							
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.									
FACTOR(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER									
REMARKS- 1ST FLT AFT TRANSPORT & MAINT. LOST RPM IN 30FT HOVER, LNDD IN RIVER. REPORTED BY SWEDISH GOVT.									
6-0003	2/2/73 TIME - 1552	BAN XON, LAOS	BELL 206B N14821 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL CTR PASSG-I	COMMERCIAL, AGE 24, 1859 TOTAL HOURS, 140 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - BAN LON DEPARTURE POINT BAN XON, LAOS	INTENDED DESTINATION LOCAL				PHASE OF OPERATION TAKOFF VERTICAL TAKOFF VERTICAL		
		TYPE OF ACCIDENT COLLIDED WITH OBJECT ROLL OVER							
REMARKS- SKID HOOKED REFUELING HOSE. INVEST UNDER JURISDICTION OF GOVT OF LAOS.									
6-0050	3/30/73 TIME - 1140	NR. BAN NA, LAOS	BELL 204B N1196W DAMAGE-DESTROYED	CR-	0	2	1	COMMERCIAL AIR TAXI-CARGO S-I	COMMERCIAL, AGE 42, 10068 TOTAL HOURS, 2500 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - MT HELIPORT DEPARTURE POINT LONG TIENG, LAOS	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING GO-AROUND		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED							
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - SELF-HELP, PILOT CHECKED WEATHER DATA WEATHER FORECAST - UNKNOWN/NOT REPORTED									
		SKY CONDITION CLEAR						CEILING AT ACCIDENT SITE UNLIMITED	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER						PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE						TEMPERATURE-F 80	
		WIND DIRECTION-DEGREES 180						WIND VELOCITY-KNOTS 2	
		TYPE OF WEATHER CONDITIONS VFR						TYPE OF FLIGHT PLAN VFR	
REMARKS- DA 6800FT. UN TO SUSTAIN ROTOR RPM. INVESTIGATION UNDER JURISDICTION LAOTIAN GOVT.									

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
6-0075	9/7/73 TIME - 1040	RAMASUN, THAILAND	BELL 204B N8535F DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, AGE 33, 6073 TOTAL HOURS, 1233 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - RAMASUN HELIPAD DEPARTURE POINT INTENDED DESTINATION UDORN, THAILAND RAMASUN, THAILAND TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING REMARKS- INVESTIGATION UNDER THE JURISDICTION OF THE GOVT OF THAILAND.						
3-0156	1/3/73 TIME - 1700	GULF OF MEXICO	BELL 47J-2 N73968 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 32, 3747 TOTAL HOURS, 344 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION WEST CAMERON BLK 194 CAMERON, LA TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR IN FLIGHT CLIMB TO CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM FREE WHEEL UNIT MISCELLANEOUS ACTS, CONDITIONS - ELONGATED TERRAIN - ROUGH WATER FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- SLIPPAGE OF FREE WHEELING UNIT. FLOAT EQUIPPED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
6-0039	7/28/73 TIME - 1830	NR.DHAHRAN, SAUD ARAB	BELL 206 N8162J DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 31, 4974 TOTAL HOURS, 793 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DHAHRAN DEPARTURE POINT DHAHRAN, SAUD ARAB TYPE OF ACCIDENT HARD LANDING AIRFRAME FAILURE ON GROUND PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE FACTOR(S) PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, AND ALTITUDE WEATHER - HIGH DENSITY ALTITUDE ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 60 TYPE OF WEATHER CONDITIONS VFR REMARKS- SEVERE SPIKE KNOCK.						
CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 98 WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN NONE						
3-2524	9/15/73 TIME - 1225	GULF OF MEXICO	BELL 206B N83157 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 25, 2298 TOTAL HOURS, 443 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PLATFORM A DEPARTURE POINT EUGENE IS BLK 330A TYPE OF ACCIDENT COLLIDED WITH OBJECT PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS UNMARKED OBSTRUCTIONS FIRE AFTER IMPACT REMARKS- ACFT SKID STRUCK VENT PIPE PROTRUDNG THRU PLTRM						
PHASE OF OPERATION TAKEOFF VERTICAL						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3548	11/29/73 TIME - 0850	EHIB 370 GULF MEX	BELL 212 N83235 DAMAGE-NONE	CR- 0 0 1 PX- 0 0 9 OT- 1 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 49, 13881 TOTAL HOURS, 455 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BLOCK 370 DEPARTURE POINT INTENDED DESTINATION SABINE,TEX EHIB 370 GULF MEX TYPE OF ACCIDENT PHASE OF OPERATION 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 TIME - 0639	GULF OF MEXICO	BELL 47G-4A N6234N DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 0 1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 2093 TOTAL HOURS, 65 IN TYPE, 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 TIME - 0639	GULF OF MEXICO	BELL 47G-4A N6246N DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0 OT- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 39, 2343 TOTAL HOURS, 239 IN TYPE, 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.						

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