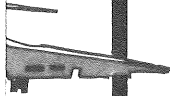


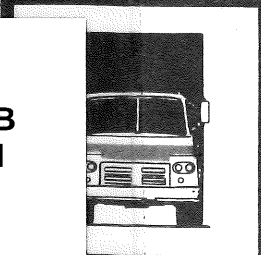
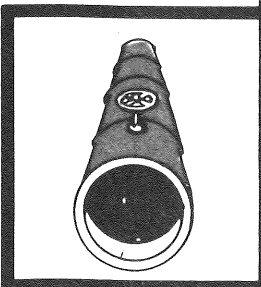
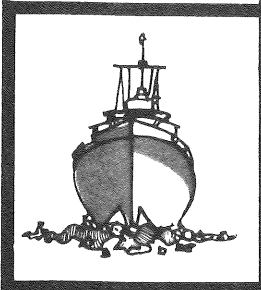
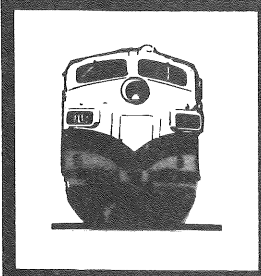
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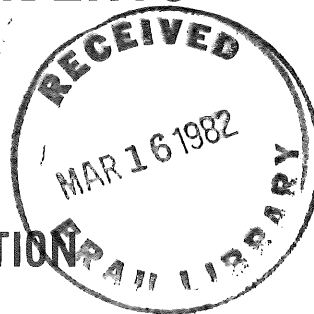
NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C. 20594



BRIEFS OF ACCIDENTS INVOLVING ROTORCRAFT

U.S. GENERAL AVIATION
1979



NTSB-AMM-81-4

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16. Abstract This publication contains reports of U.S. general aviation rotorcraft accidents occurring in 1979. Included are 289 accident Briefs, 39 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, kind of flying, pilot certificates, injuries, and causes and related factors. This publication will be published annually.			
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FOREWORD

This publication contains reports of U.S. General Aviation rotorcraft accidents in Brief format arranged in order by state and date of occurrence. It also lists these accidents in order by aircraft make and model. In addition, this publication includes several statistical tables which tabulate and summarize selected accident information, such as type of accident, phase of operation, kind of flying, injuries, causes and related factors, pilot certificates, accident rates for selected makes and models and a ten year tabulation of rotorcraft accidents.

The following chart compares the accident rates for total U.S. General Aviation with U.S. General Aviation rotorcraft accidents:

	Hours Flown 1/	Total Accidents	Total Accident Rate 2/	Fatal Accidents	Fatal Accident Rate 2/
Total - U.S. General Aviation	43,340,081	4,023	9.28	678	1.56
U.S. General Aviation Accidents Involving Rotorcraft	2,555,187	289	11.31	39	1.53

1/ Source: Federal Aviation Administration

2/ The accident rates are per 100,000 hours flown.

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

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

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

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

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

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Washington, D.C. 20594

EXPLANATORY NOTES

U.S. GENERAL AVIATION

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

U.S. AIR CARRIER

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

DEFINITIONS

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

Aircraft Accident

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

Fatal Injury

Any injury which results in death within 30 days of the accident.

Serious Injury

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

Substantial Damage

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

EXPLANATORY NOTES

INJURY INDEX

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

TYPE OF ACCIDENT

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

Gear Collapsed

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

Gear Retracted

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

Airframe Failure

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

Engine Failure/Malfunction

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

PHASE OF OPERATION

The phase of operation relates to the particular segment of the flight or operation during which the circumstances of the accident occur.

KIND OF FLYING

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

1. Instructional Flying

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

EXPLANATORY NOTES

KIND OF FLYING

2. Noncommerical Flying

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

Pleasure

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

Business

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

Corporate/Executive Operations

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

3. Commercial Flying

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

4. Miscellaneous Flying

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

COLLISION BETWEEN AIRCRAFT

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

EXPLANATORY NOTES

CAUSES AND RELATED FACTORS

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

AIRCRAFT WEIGHT CATEGORIES

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

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

SMALL FIXED-WING AIRCRAFT

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

LARGE FIXED-WING AIRCRAFT

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

ROTORCRAFT

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

TYPES OF WEATHER CONDITIONS

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

LIST OF ABBREVIATIONS USED IN BRIEFS

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

Rotorcraft Accidents
U.S. General Aviation
1970 - 1979

Year	Hours Flown 1/	Total Accidents	Total Accident Rate 2/	Fatal Accidents	Fatal Accidents Rate 2/	Fatalities
1970	866,828	264	30.5	22	2.54	32
1971	891,000	245	27.5	26	2.92	35
1972	1,043,900	245	23.5	36	3.45	66
1973	1,157,900	278	24.0	28	2.42	43
1974	1,431,600	285	19.9	47	3.28	72
1975	1,546,500	309	20.0	26	1.68	50
1976	1,546,275	275	17.8	33	2.13	64
1977	1,900,000	276	14.5	29	1.53	56
1978	2,227,651	322	14.5	56	2.51	84
1979	2,555,187	289	11.3	39	1.53	63

1/ Source: Federal Aviation Administration.

2/ The accident rates are per 100,000 hours flown.

ACCIDENTS, INJURIES
U.S. GENERAL AVIATION

ROTORCRAFT

1979

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	33	29	49	178		289
COPILOT	3	1	1	1		6
DUAL STUDENT		2	2	8		12
CHECK PILOT				1		1
FLIGHT ENGINEER				1		1
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW	3	1	1			5
PASSENGERS	21	15	22	127		185
TOTAL	60	48	75	316	ABOARD	499
OTHER AIRCRAFT						
OTHER GROUND	3	4	2	2		11
GRAND TOTAL	63	52	77	318		510

PAGE
2

INVOLVES 289 TOTAL ACCIDENTS
INVOLVES 39 FATAL ACCIDENTS

ANALYTIC TABLE
KIND OF FLYING BY PILOT CERTIFICATE

PILOT CERTIFICATE

<u>KIND OF FLYING</u>	<u>PILOT CERTIFICATE</u>								<u>RECORDS</u>	<u>ACCIDENTS</u>	<u>PERCENT</u>		
	<u>STUDENT</u>	<u>PRIVATE</u>	<u>COMMERCIAL</u>		<u>PRIVATE/ FL. INSTR.</u>	<u>COMMERCIAL/ FL. INSTR.</u>	<u>ATR / FL. INSTR.</u>	<u>OTHER</u>				<u>NONE</u>	<u>UNKNOWN/ NOT REPORTED</u>
<u>INSTRUCTIONAL</u>													
DUAL			2		8	3					13	13	4.48
SOLO	2	2									4	4	1.38
CHECK													
TRAINING	2		1		1						4	4	1.38
<u>NONCOMMERCIAL</u>													
PLEASURE	8	16	11	2	6	1		2			46	46	15.86
PRACTICE	2	2	5		1	1					11	11	3.79
BUSINESS	2	6	5	1	2						16	16	5.52
CORPORATE/EXECUTIVE			10	2	1	4			1		18	18	6.21
AERIAL SURVEY			4		1						5	5	1.72
COMPANY FLIGHT													
OTHER					1				1		2	2	.69
<u>COMMERCIAL</u>													
AERIAL APPLICATION			29	4	13	1					47	47	16.21
CROP CONTROL RELATED FLIGHT			18	1	8						27	27	9.31
FIRE CONTROL					1						1	1	.34
FIRE CONTROL RELATED FLIGHT													
AERIAL MAPPING/PHOTOGRAPHY			2		1	1					4	4	1.38
AERIAL ADVERTISING					1						1	1	.34
POWER AND PIPELINE PATROL			1	1							2	2	.69
FISH SPOTTING													
AIR TAXI-PASSENGER OPERATIONS			18	2	3	2					25	25	8.62
AIR TAXI-CARGO OPERATIONS			1								1	1	.34
CONSTRUCTION WORK			4	1	1						6	6	2.07
SCHEDULED PASSENGER SERVICE													
SCHEDULED CARGO SERVICE													
INTRA-STATE CHARTER PASSG.			2								2	2	.69
INTRA-STATE CHARTER CARGO.													
MILITARY CONTRACT-PASSENGER													
MILITARY CONTRACT-CARGO													
CHARTER CARGO-DOMESTIC			2		2						4	4	1.38
CHARTER PASSG-DOMESTIC			1		1	1					3	3	1.03
CHARTER-CARGO-INTERNATIONAL					1						1	1	.34
CHARTER-PASSG-INTERNATIONAL													
OTHER			10	1	3						14	14	4.83

ANALYTIC TABLE
KIND OF FLYING BY PILOT CERTIFICATE

PILOT CERTIFICATE

KIND OF FLYING

UNKNOWN/NOT REPORTED

MISCELLANEOUS

EXPERIMENTATION

TEST

DEMONSTRATION

FERRY

SEARCH AND RESCUE

AIR SHOW/AIR RACING

PARACHUTE JUMP

PARACHUTE JUMP-AIR SHOW

TOWING GLIDERS

SEEDING CLOUDS

HUNTING

POLICE PATROL

HIGHWAY TRAFFIC ADVISORY

ALL OTHER PUBLIC FLYING

OTHER

UNKNOWN/NOT REPORTED

RECORDS

ACCIDENTS

PERCENTS

STUDENT
PRIVATE
COMMERCIAL
ATR
PRIVATE/ FL. INSTR.
COMMERCIAL/ FL. INSTR.
ATR/ FL. INSTR.
OTHER
NONE
UNKNOWN/
NOT REPORTED

RECORDS ACCIDENTS PERCENT

TEST	1	2	6	1					10	10	3.45
DEMONSTRATION			3		1	1			5	5	1.72
FERRY		1	6						7	7	2.41
SEARCH AND RESCUE		1	1						2	2	.69
HUNTING			1						1	1	.34
POLICE PATROL		1	1		1				3	3	1.03
ALL OTHER PUBLIC FLYING			1						1	1	.34
OTHER			2		1				3	3	1.03
UNKNOWN/NOT REPORTED								1	1	1	.34
RECORDS	17	31	146	17	59	15	3	2	290		
ACCIDENTS	17	31	146	17	59	15	3	2		289	
PERCENTS	5.9	10.7	50.3	5.9	20.3	5.2	1.0	.7			

ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

AIRCRAFT DAMAGE

DESTROYED
SUBSTANTIAL
MINOR
NONE

FIRST
TYPE OF ACCIDENT

RECORDS ACCIDENTS PERCENT

GROUND-WATER LOOP-SWERVE					
DRAGGED WINGTIP POD OR FLOAT					
WHEELS-UP LANDING					
WHEELS-DOWN LANDING IN WATER					
GEAR COLLAPSED	1		1	1	.34
GEAR RETRACTED					
HARD LANDING	4	25	29	29	10.00
NOSE OVER/DOWN	1		1	1	.34
ROLL OVER	2	17	19	19	6.55
OVERSHOOT					
UNDERSHOOT					
<u>COLLISION BETWEEN AIRCRAFT</u>					
BOTH IN FLIGHT	2		2	1	.69
ONE AIRBORNE					
BOTH ON GROUND					
<u>COLLISION WITH GROUND/WATER</u>					
CONTROLLED	10	18	28	28	9.66
UNCONTROLLED	6	8	14	14	4.83
<u>COLLIDED WITH</u>					
WIRES/POLES	11	17	28	28	9.66
TREES	2	7	9	9	3.10
RESIDENCE/S					
BUILDING/S	1	1	2	2	.69
FENCE, FENCEPOSTS		2	2	2	.69
ELECTRONIC TOWERS	1	1	2	2	.69
RUNWAY OR APPROACH LIGHTS					
AIRPORT HAZARD					
ANIMALS					
CROP	2		2	2	.69
FLAGMAN LOADER		1	1	1	.34
DITCHES					
SNOWBANK		1	1	1	.34
PARKED AIRCRAFT (UNATTENDED)					
AUTOMOBILE					
DIRT BANK					
OTHER	2	8	10	10	3.45

ANALYTIC TABLE

FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS	PERCENT
	DESTROYED	SUBSTANTIAL	MINOR	NONE			
BIRD STRIKE							
<u>STALL</u>		1			1	1	.34
SPIN							
SPIRAL							
MUSH		1			1	1	.34
<u>FIRE OR EXPLOSION</u>							
IN FLIGHT							
ON GROUND							
<u>AIRFRAME FAILURE</u>							
IN FLIGHT	7	6			13	13	4.48
ON GROUND	2	1			3	3	1.03
ENGINE TEARAWAY							
ENGINE FAILURE OR MALFUNCTION	10	68			78	78	26.90
<u>PROPELLER/ROTOR FAILURE</u>							
PROPELLER	1	1			2	2	.69
TAIL ROTOR	4	15			19	19	6.55
MAIN ROTOR	3	10			13	13	4.48
PROP ROTOR ACNT TO PERSON				1	1	1	.34
JET INTAKE/EXH ACNT TO PERS							
PROPELLER/JET/ROTOR BLAST							
TURBULENCE	1	1			2	2	.69
HAIL DAMAGE TO AIRCRAFT							
LIGHTNING STRIKE							
EVASIVE MANEUVER							
UNCONTROLLED ALT DEVIATION							
DITCHING							
MISSING ACFT NOT RECOVERED							
MISCELLANEOUS/OTHER	4	1			5	5	1.72
UNDETERMINED	1				1	1	.34
RECORDS	73	214	2	1	290		
ACCIDENTS	72	214	2	1		289	
PERCENTS	25.2	73.8	.7	.3			

ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

<u>FIRST OPERATIONAL PHASE</u>	<u>INJURY INDEX</u>				<u>RECORDS</u>	<u>ACCIDENTS</u>	<u>PERCENT</u>
	FATAL	SERIOUS	MINOR	NONE			
<u>STATIC</u>							
STARTING ENGINE/S			1		1	1	.34
IDLING ENGINE/S							
ENGINE RUNUP							
IDLING ROTORS		2			2	2	.69
PARKED-ENGINES NOT OPERATING							
OTHER			1		1	1	.34
<u>TAXI</u>							
TO TAKEOFF							
FROM LANDING							
OTHER			1		1	1	.34
GROUND TAXI TO TAKEOFF							
GROUND TAXI FROM LANDING			1		1	1	.34
GROUND TAXI, OTHER			1		1	1	.34
AERIAL TAXI TO TAKEOFF			1		1	1	.34
AERIAL TAXI TO/FROM LANDING			3		3	3	1.03
AERIAL TAXI, OTHER		1	2		3	3	1.03
<u>TAKEOFF</u>							
RUM							
INITIAL CLIMB	2	3	5	7	17	17	5.86
VERTICAL	1	5	5	23	34	34	11.72
RUNNING (ROTORCRAFT/VTOL-STOL)							
ABORTED (FIXED-WING)							
ABORTED (ROTORCRAFT/VTOL)							
ABORTED (ROTORCRAFT/STOL)			1		1	1	.34
OTHER							
<u>INFLIGHT</u>							
CLIMB TO CRUISE	2		1		3	3	1.03
NORMAL CRUISE	14	5	12	33	64	64	22.07
DESCENDING			1	1	2	2	.69
HOLDING (IFR)							
HOVERING	4	2	3	8	17	17	5.86
POWER-ON DESCENT (ROTORCRAFT)		1			1	1	.34
AUTOROTATIVE DESCENT	1			1	2	2	.69
ACROBATICS							
BUZZING							

ANALYTIC TABLE

FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS	PERCENT
	FATAL	SERIOUS	MINOR	NONE			
UNCONTROLLED DESCENT	5				5	5	1.72
EMERGENCY DESCENT							
LOW PASS	3			2	5	5	1.72
OTHER	3	2	1	6	12	12	4.14
EN ROUTE TO TRFAT CROP		1	1	2	4	4	1.38
EN ROUTE TO RELOADING AREA			1	2	3	3	1.03
SURVEY FIELD/AREA			1	1	2	2	.69
STARTING SWATH RUN	1		1	2	4	4	1.38
SWATH RUN		6	9	9	24	24	8.28
FLAREOUT FOR SWATH RUN				4	4	4	1.38
PULLUP FROM SWATH RUN			1	2	3	3	1.03
PROCEDURE TURNAROUND	1			10	11	11	3.79
CLEANUP SWATH				1	1	1	.34
MANEUVER TO AVOID OBSTRUCTION							
RETURN TO STRIP							
<u>LANDING</u>							
TRAFFIC PATTERN-CIRCLING			1	1	2	2	.69
FINAL APPROACH (VFR)	1	1	1	4	7	7	2.41
INITIAL APPROACH							
FINAL APPROACH (IFR)							
LEVEL OFF/TOUCHDOWN		2		4	6	6	2.07
ROLL (FIXED WING)							
ROLL-ON/RUN-ON (ROTORCRAFT)			1	3	4	4	1.38
POWER-ON LANDING (ROTORCRAFT)	1	1	5	9	16	16	5.52
POWER-OFF AUTOROTATIVE LGD		2	2	12	16	16	5.52
GO-AROUND (VFR)				2	2	2	.69
MISSED APPROACH (IFR)							
OTHER				2	2	2	.69
UNKNOWN/NOT REPORTED	1	1			2	2	.69
RECORDS	40	35	53	162	290		
ACCIDENTS	39	35	53	162		289	
PERCENTS	13.8	12.1	18.3	55.9			

ANALYTIC TABLE

AIRPORT PROXIMITY BY WEATHER CONDITION

WEATHER CONDITION

<u>AIRPORT PROXIMITY</u>	<u>WEATHER CONDITION</u>				<u>RECORDS</u>	<u>ACCIDENTS</u>	<u>PERCENT</u>
	<u>VFR</u>	<u>IFR</u>	<u>BELOW MINIMUMS</u>	<u>UNKNOWN/NOT REPORTED</u>			
ON AIRPORT	40	2			42	41	14.48
ON SEAPLANE BASE							
ON HELIPORT	9				9	9	3.10
ON BARGE/SHIP/PLATFORM	3				3	3	1.03
IN TRAFFIC PATTERN	5				5	5	1.72
WITHIN 1/4 MILE	8				8	8	2.76
WITHIN 1/2 MILE	4				4	4	1.38
WITHIN 3/4 MILE	3				3	3	1.03
WITHIN 1 MILE	3				3	3	1.03
WITHIN 2 MILES	9	1			10	10	3.45
WITHIN 3 MILES	8	1			9	9	3.10
WITHIN 4 MILES	6				6	6	2.07
WITHIN 5 MILES	2				2	2	.69
BEYOND 5 MILES	144	4			148	148	51.03
UNKNOWN/NOT REPORTED	36	1	1		38	38	13.10
RECORDS	280	9	1		290		
ACCIDENTS	279	9	1			289	
PERCENTS	96.6	3.1	.3				

ANALYTIC TABLE

TYPE OF FLIGHT PLAN BY CONDITION OF LIGHT

TYPE OF FLIGHT PLAN	CONDITIONS OF LIGHT						RECORDS	ACCIDENTS	PERCENT
	DAWN	DAYLIGHT	DUSK / TWILIGHT	NIGHT / DARK	NIGHT / BRIGHT	UNKNOWN / NOT REPORTED			
NONE	3	249	6	8	2	268	268	92.41	
VFR		8				8	8	2.76	
IFR									
CONTROLLED VFR									
IFR (VFR CONDITIONS ON TOP)									
TOWER EN ROUTE CONTROL SERVICE									
DVFR									
VFR FLIGHT FOLLOWING SERVICE		3				3	3	1.03	
SPECIAL VFR	1					1	1	.34	
OTHER		6		1		7	7	2.41	
UNKNOWN/NOT REPORTED		2			1	3	3	1.03	
RECORDS	4	268	6	9	2	1	290		
ACCIDENTS	4	267	6	9	2	1	289		
PERCENTS	1.4	92.4	2.1	3.1	.7	.3			

ANALYTIC TABLE

PILOT HOURS IN TYPE BY TYPE OF AIRCRAFT

TYPE OF AIRCRAFT

<u>HOURS IN TYPE</u>	<u>TYPE OF AIRCRAFT</u>		<u>RECORDS</u>	<u>ACCIDENTS</u>	<u>PERCENT</u>
	<u>HELICOPTER</u>	<u>GYROPLANE</u>			
0 - 5	2	3	5	5	1.72
6 - 10	5		5	5	1.72
11 - 20	7	1	8	8	2.76
21 - 50	24		24	24	8.28
51 - 100	29	1	30	30	10.34
101 - 500	99	3	102	102	35.17
501 - 1000	44		44	44	15.17
1001 -	55	7	56	56	19.31
NONE	1	1	2	2	.69
UNKNOWN/NOT REPORTED	11	3	14	14	4.83
RECORDS	277	13	290		
ACCIDENTS	276	13		289	
PERCENTS	95.5	4.5			

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

1979

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 289 TOTAL ACCIDENTS

INVOLVES 39 FATAL ACCIDENTS

BROAD CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*
PILOT	21 53.85	4 10.26	22 56.41	154 61.60	11 4.40	158 63.20	175 60.55	15 5.19	180 62.28
PERSONNEL	3 7.69	1 2.56	4 10.26	22 8.80	4 1.60	26 10.40	25 8.65	5 1.73	30 10.38
AIRFRAME	1 2.56		1 2.56	1 .40		1 .40	2 .69		2 .69
LANDING GEAR				3 1.20		3 1.20	3 1.04		3 1.04
POWERPLANT				53 21.20	4 1.60	57 22.80	53 18.34	4 1.38	57 19.72
SYSTEMS				2 .80	1 .40	3 1.20	2 .69	1 .35	3 1.04
INSTRUMENTS/EQUIPMENT & ACCESSORIES									
ROTORCRAFT	11 28.21		11 28.21	35 14.00		35 14.00	46 15.92		46 15.92
AIRPORT/AIRWAYS/FACILITIES									
WEATHER		6 15.38	6 15.38	1 .40	31 12.40	32 12.80	1 .35	37 12.80	38 13.15
TERRAIN		5 12.82	5 12.82	6 2.40	54 21.60	60 24.00	6 2.08	59 20.42	65 22.49
MISCELLANEOUS	2 5.13		2 5.13	10 4.00	4 1.60	14 5.60	12 4.15	4 1.38	16 5.54
UNDETERMINED	6 15.38		6 15.38	5 2.00		5 2.00	11 3.81		11 3.81

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
U.S. GENERAL AVIATION ACCIDENTS
INVOLVING ROTORCRAFT

1979

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 289 TOTAL ACCIDENTS

INVOLVES 39 FATAL ACCIDENTS

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **									
PILOT IN COMMAND									
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL	1		1	1		1	2		2
BECAME LOST/DISORIENTED				2		2	2		2
CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS	2		2	1		1	3		3
DELAYED IN INITIATING GO-AROUND				1		1	1		1
DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT	1		1	2	3	5	3	3	6
FAILED TO SEE AND AVOID OTHER AIRCRAFT	2		2				2		2
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	4		4	20		20	24		24
FAILED TO OBTAIN/MAINTAIN FLYING SPEED				3		3	3		3
MISJUDGED, SPEED, ALTITUDE OR CLEARANCE				1		1	1		1
FAILED TO MAINTAIN ADEQUATE ROTOR RPM	3		3	33	1	34	36	1	37
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT		1	1	1		1	1	1	2
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES ETC	2		2	1		1	3		3
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS				8		8	8		8
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				2		2	2		2
IMPROPER OPERATION OF FLIGHT CONTROLS	3		3	17		17	20		20
IMPROPER LEVEL OFF				1		1	1		1
IMPROPER IN-FLIGHT DECISIONS OR PLANNING				6	1	7	6	1	7
IMPROPER COMPENSATION FOR WIND CONDITIONS				3	1	4	3	1	4
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	3		3	17	2	19	20	2	22
INADEQUATE SUPERVISION OF FLIGHT				4		4	4		4
LACK OF FAMILIARITY WITH AIRCRAFT		1	1		1	1		2	2
MISMANAGEMENT OF FUEL				9		9	9		9
EXERCISED POOR JUDGMENT	2		2	4		4	6		6
OPERATED CARELESSLY				1		1	1		1
SELECTED UNSUITABLE TERRAIN				6	1	7	6	1	7
IMPROPER STARTING PROCEDURES				1		1	1		1
INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS				2		2	2		2
MISJUDGED DISTANCE AND ALTITUDE				6		6	6		6
MISJUDGED SPEED AND ALTITUDE				9		9	9		9
MISJUDGED ALTITUDE AND CLEARANCE	1		1	1		2			2
MISJUDGED ALTITUDE	1		1	5	1	6	6	1	7
MISJUDGED CLEARANCE	1		1	17		17	18		18
PHYSICAL IMPAIRMENT		2	2					2	2
SPATIAL DISORIENTATION	1		1				1		1
LEFT AIRCRAFT UNATTENDED ENGINE RUNNING				1		1	1		1
FAILED TO INITIATE GO-AROUND				2		2	2		2
SUBTOTAL	27	4	31	188	11	199	215	15	230
DUAL STUDENT									
FAILED TO MAINTAIN ADEQUATE ROTOR RPM				1		1	1		1
IMPROPER OPERATION OF FLIGHT CONTROLS				1		1	1		1
SPONTANEOUS-IMPROPER ACTION				1		1	1		1
MISJUDGED SPEED AND ALTITUDE				1		1	1		1
SUBTOTAL				4		4	4		4
** PERSONNEL **									
RULES, REGULATIONS, STANDARDS PERSONNEL									
FLIGHT INSTRUCTOR									
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)									
IMPROPER MAINTENANCE (OWNER PERSONNEL)									
1		1	1	1		1	2		2
IMPROPERLY SERVICED AIRCRAFT (OWNER-PILOT)									
INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL)									
1	1	1	1	11	1	12	12	1	13
INADEQUATE MAINTENANCE AND INSPECTION									
OTHER									
OPERATIONAL SUPERVISORY PERSONNEL									
DEFICIENCY, COMPANY MAINTAINED EQMT, SERV, REGULATIONS									
				1		1	1		1

CAUSE/FACTOR TABLE

PERSONNEL (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
WEATHER PERSONNEL									
TRAFFIC CONTROL PERSONNEL									
ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS	2		2				2		2
INADEQUATE SPACING OF AIRCRAFT	2		2				2		2
AIRPORT SUPERVISORY PERSONNEL									
AIRWAYS FACILITIES PERSONNEL									
PRODUCTION-DESIGN-PERSONNEL									
POOR/INADEQUATE DESIGN				1		1	1		1
MISCELLANEOUS-PERSONNEL									
PILOT OF OTHER AIRCRAFT	2		2				2		2
GROUND SIGNALMAN					1	1		1	1
GROUND CREWMAN				1	1	2	1	1	2
PASSENGER				2		2	2		2
OTHER				1		1	1		1
THIRD PILOT									
FLIGHT ENGINEER									
FLIGHT PERSONNEL									
DISPATCHING (AIR CARRIER ONLY)									
SUBTOTAL	8	1	9	22	4	26	30	5	35
** AIRFRAME **									
WINGS									
FUSELAGE									
OTHER				1		1	1		1
LANDING GEAR									
MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC				1		1	1		1
SKID ASSEMBLY				2		2	2		2
FLIGHT CONTROL SURFACES									
RUDDER, SURFACES ATTACHMENTS	1		1				1		1
SUBTOTAL	1		1	4		4	5		5
** POWERPLANT **									
ENGINE STRUCTURE									
MASTER AND CONNECTING RODS				3		3	3		3
CYLINDER ASSEMBLY				2		2	2		2
VALVE ASSEMBLIES				3		3	3		3
OTHER				1		1	1		1
IGNITION SYSTEM									
MAGNETOES				1		1	1		1
SPARK PLUG				2		2	2		2
FUEL SYSTEM									
LINE AND FITTINGS				1		1	1		1
FILTERS, STRAINERS, SCREENS				1		1	1		1
CARBURETOR					1	1		1	1
PUMPS				1		1	1		1
VENTS, DRAINS, TANK CAPS				1		1	1		1
OTHER				1		1	1		1
LUBRICATING SYSTEM									
LINE, HOSES, FITTINGS				1		1	1		1
COOLING SYSTEM									
PROPELLER AND ACCESSORIES									
OTHER				1		1	1		1
EXHAUST SYSTEM									
ENGINE ACCESSORIES									
ENGINE CONTROLS									
POWERPLANT-INSTRUMENTS									
FUEL QUANTITY GAUGE					2	2		2	2
OTHER					1	1		1	1
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS				21		21	21		21
FOREIGN OBJECT DAMAGE				2		2	2		2
REDUCTION GEAR ASSEMBLY									
COMPRESSOR ASSEMBLY									
BLADE, COMPRESSOR ROTOR				1		1	1		1
SHAFT, ROTOR				1		1	1		1
COMBUSTION ASSEMBLY									
TURBINE ASSEMBLY									
WHEEL, TURBINE				1		1	1		1
BLADE, TURBINE WHEEL				1		1	1		1
SEALS, AIR-OIL				1		1	1		1
BEARING, SHAFT				3		3	3		3
ACCESSORY DRIVE ASSEMBLY									

CAUSE/FACTOR TABLE

POWERPLANT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
LUBRICATING SYSTEM									
OTHER				1		1	1		1
FUEL SYSTEM									
PUMP, FUEL				2		2	2		2
FUEL CONTROL				3		3	3		3
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				57	4	61	57	4	61
*** SYSTEMS ***									
ELECTRICAL SYSTEM									
RELAYS AND WIRING				1		1	1		1
SWITCHES					1	1		1	1
HYDRAULIC SYSTEM									
FLIGHT CONTROL SYSTEMS									
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				2	1	3	2	1	3
*** ROTORCRAFT ***									
ROTOR ASSEMBLIES									
MAIN ROTOR BLADES				1		1	1		1
TAIL ROTOR BLADES	2		2	4		4	6		6
MAIN ROTOR HEAD ASSEMBLIES	1		1	2		2	3		3
UNIVERSAL JOINTS, COUPLINGS				1		1	1		1
BEARINGS	1		1				1		1
OTHER				3		3	3		3
TRANSMISSION ROTOR DRIVE SYSTEM									
ENGINE DRIVE SHAFT				3		3	3		3
MAIN ROTOR DRIVE SHAFT	1		1				1		1
MAIN ROTOR BRAKE ASSEMBLY				1		1	1		1
MAIN ROTOR PULLEYS, BELTS				2		2	2		2
TAIL ROTOR DRIVE SHAFT ASSEMBLY	1		1	6		6	7		7
TAIL ROTOR GEAR BOX				3		3	3		3
CLUTCH ASSEMBLY				3		3	3		3
SPRAG SYSTEM				3		3	3		3
OTHER	1		1	2		2	3		3
FLIGHT CONTROL SYSTEMS									
CYCLIC PITCH CONTROL SYSTEM	2		2				2		2
COLLECTIVE PITCH CONTROL SYSTEM	1		1				1		1
TAIL ROTOR PITCH CONTROL SYSTEM				3		3	3		3
MISCELLANEOUS UNITS AND ASSEMBLIES									
TAIL BOOMS/PYLONS/CONES	1		1				1		1
OTHER	1		1				1		1
SUBTOTAL	12		12	37		37	49		49
*** WEATHER ***									
LOW CEILING		1	1		2	2		3	3
RAIN		2	2					2	2
FOG		2	2		4	4		6	6
CONDITIONS CONDUCTIVE TO CARB/INDUCTION SYSTEM ICING					3	3		3	3
UNFAVORABLE WIND CONDITIONS		1	1	1	12	13	1	13	14

CAUSE/FACTOR TABLE

WEATHER (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
SUDDEN WINDSHIFT					1	1		1	1
TURBULENCE ASSOCIATED WITH CLOUDS AND/OR THUNDERSTORMS		1	1					1	1
DOWNDRAFTS, UPDRAFTS					3	3		3	3
HIGH DENSITY ALTITUDE		1	1		9	9		10	10
THUNDERSTORM ACTIVITY		1	1		1	1		2	2
SUBTOTAL		9	9	1	35	36	1	44	45
** TERRAIN **									
WET, SOFT GROUND				1	11	12	1	11	12
SNOW-COVERED					2	2		2	2
HIGH VEGETATION				2	5	7	2	5	7
HIDDEN OBSTRUCTIONS					1	1		1	1
ROUGH/UNEVEN				1	10	11	1	10	11
HIGH OBSTRUCTIONS		5	5	2	23	25	2	28	30
OTHER					2	2		2	2
SUBTOTAL		5	5	6	54	60	6	59	65
** MISCELLANEOUS **									
FOREIGN OBJECT DAMAGE				2		2	2		2
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS				3		3	4		4
UNDETERMINED	1		1	5		5	11		11
VORTEX TURBULENCE				1		1	1		1
EVASIVE MANEUVER TO AVOID COLLISION	1		1	2	4	6	3	4	7
UNQUALIFIED PERSON OPERATED AIRCRAFT				2		2	2		2
SUBTOTAL	8		8	15	4	19	23	4	27
GRAND TOTAL	56	19	75	336	113	449	392	132	524
** MISCELLANEOUS ACTS, CONDITIONS **									
LEAK/LEAKAGE				1		1	1		1
DOWNWIND					2	2		2	2
CARBON DEPOSITS				2	1	3	2	1	3
LOOSE, PART/FITTING				2		2	2		2
GROUND RESONANCE				5	1	6	5	1	6
DISCONNECTED	2		2	1		1	3		3
DISTORTED				1		1	1		1
EXCESSIVE-WEAR/PLAY				4		4	4		4
ERRATIC					1	1		1	1
FRAYED				1		1	1		1
FRICTION, EXCESSIVE				1		1	1		1
GROUNDING				1		1	1		1
OBSTRUCTED				1	1	2	1	1	2
OPEN				1		1	1		1
OUT OF BALANCE				1		1	1		1
OVERHEATED	1		1	2		2	3		3
EXCESSIVE PRESSURE				1		1	1		1
PRESSURE TOO LOW				2		2	2		2
STUCK					1	1		1	1
VIBRATION, EXCESSIVE				4		4	4		4
WARPED				1		1	1		1
ICE-INDUCTION				1		1	1		1
LOAD NOT JETTISONED					5	5		5	5
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE				4		4	4		4
DISREGARD OF GOOD OPERATING PRACTICE				1	1	2	1	1	2
IMPROPER EMERGENCY PROCEDURES					1	1		1	1
GUST LOCKS ENGAGED					1	1		1	1
UNWARRANTED LOW FLYING	3	1	4	2	1	3	5	2	7
INATTENTIVE TO FUEL SUPPLY				2		2	2		2
POORLY PLANNED APPROACH					1	1		1	1
MISCALCULATED FUEL CONSUMPTION	1		1	1		1	2		2
JETTISONED LOAD		1	1		2	2		3	3
STOLEN OR UNAUTHORIZED USE OF AIRCRAFT					1	1		1	1
IMPROPERLY SECURED	1		1	1		1	2		2
ELECTRICAL FAILURE					1	1		1	1
ENGINE LOADED UP				2		2	2		2
FATIGUE FRACTURE	4		4	8		8	12		12
IMPROPER GRADE OIL-LUBRICATING SYSTEM				1		1	1		1
WINDSHIELD, DIRTY, FOGGY, ETC-RESTRICTED VISION					1	1		1	1
WRONG PART				1		1	1		1

CAUSE/FACTOR TABLE

MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
IMPROPER ALIGNMENT/ADJUSTMENT				1		1	1		1
SEPARATION IN FLIGHT		7	7		5	5		12	12
CORRODED/CORROSION				2		2	2		2
FUEL EXHAUSTION	1		1	10		10	11		11
FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL				2		2	2		2
ICE-CARBURETOR				3		3	3		3
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG	1		1	1		1	2		2
INTERFERENCE WITH FLIGHT CONTROLS				4		4	4		4
WHITEDOUT				1	1	2	1	1	2
SUNGLARE					6	6		6	6
LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM	1		1	3		3	4		4
OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM				1		1	1		1
OIL CONTAMINATION				1		1	1		1
SIMULATED CONDITIONS					3	3		3	3
WATER IN FUEL				2		2	2		2
AIRCRAFT CAME TO REST IN WATER		2	2		9	9		11	11
MISSING				3		3	3		3
OVERLOAD FAILURE				4	7	11	4	7	11
MATERIAL FAILURE	4		4	30	1	31	34	1	35
FUEL STARVATION				6		6	6		6
OIL STARVATION				1		1	1		1

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

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
U.S. GENERAL AVIATION
1979

(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT, REGIST.	DATE	LOCATION	AIRCRAFT MAKE	MODEL	INJURY INDEX
-----	-----	-----	-----	-----	-----	-----
3 0157	N2866B	021779	NEWBERRY, MI	BELL	47-G2	MINOR
3 0546	N4228A	032579	LANCASTER, CA	BELL	47-G2	NONE
3 0478	N9001T	030279	NSHAFTER, CA	BELL	OH13H	FATAL
3 0365	N2AR	010779	OPA LOCKA, FL	BELL	47G	NONE
3 1049	N51849	061579	NNAPA, CA	BELL	OH-13H	NONE
3 1022	N64580	051979	NMIDDLEVILLE, MI	BELL	47D-1	NONE
3 1099	N68367	052579	SALINAS, CA	BELL	47-G2	MINOR
3 1106	N902Z	041279	SWANTON, VT	BELL	47G	NONE
3 0825	N991B	051479	ALAMO, TX	BELL	47G2	MINOR
3 0682	N73979	050679	WEATHERLY, PA	BELL	47G	SERIOUS
3 1177	N96194	051779	CHESTERFIELD, MO	BELL	47G-2	SERIOUS
3 1417	N38092	072879	PLAUCHEVILLE, LA	BELL	47WASP	NONE
3 1393	N2884B	061679	WAUPWALLOPEN, PA	BELL	47G-2	SERIOUS
3 1285	N3550	061979	EARLE, AR	BELL	47G-2	NONE
3 1480	N2873B	011779	OPA LOCKA, FL	BELL	47G2	FATAL
3 1397	N59326	061979	HANOVER, PA	BELL	47D-1	MINOR
3 1270	N9099T	071079	LAMBERT, MS	TOMCAT	MK-5A	NONE
3 1681	N514SF	032579	NMIAMI, FL	BELL	47G	NONE
3 1645	N9044T	051579	MOSES LAKE, WA	EL TOMCAT	MK5A	NONE
3 1752	N4423	052379	NPIQUA, OH	BELL	47G-2	MINOR
3 1704	N3740G	053079	NSPOFFORD, TX	BELL	47G	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
-----	-----	-----	-----	-----	-----	-----
3 1553	N85Z	070379	NANTHON, IA	BELL	47-G2	NONE
3 1791	N2817B	080279	SALINAS, CA	BELL	47G-2A	NONE
3 1957	N4227A	060879	PARCHMAN, MS	BELL	47D	NONE
3 2058	N38105	082179	NEHRENBERG, AZ	BELL	M-74	NONE
3 1874	N4250A	062479	RIDGEFIELD, CT	BELL	47D-1	NONE
3 1955	N73998	070679	SOCORRO, NM	BELL	47G	NONE
3 1940	N68632	041379	CLEARWATER, FL	BELL	47-D1	NONE
3 2032	N7893B	061979	KERMAN, CA	BELL	47G-2	NONE
3 2465	N908B	090179	NHAHIRA, GA	BELL	47D1	NONE
3 2232	N51847	072079	SOLITUDE, IN	TEXAS HELI	OH-13	FATAL
3 2207	N64816	073079	POULTNEY, VT	BELL	47G	NONE
3 2723	N59H	090279	NST. PETER, MN	BELL	47G-2	NONE
3 2869	N234B	101979	NPEARL CITY, HI	BELL	47D1	NONE
3 2773	N5783	092379	NGREENFIELD, CA	BELL	47G2	NONE
3 2659	N6356X	071879	NEMBLER, OR	BELL	47G	MINOR
3 2950	N3575	091279	ARDMORE, OK	BELL	47D1	NONE
3 3187	N36015	072979	ENTERPRISE, AL	BELL	47-D1	NONE
3 3279	N72487	080379	GREELEY, CO	BELL	47G	MINOR
3 3956	N2220W	092079	NDEMING, NM	BELL	47G	FATAL
3 3726	N12848	090379	NRUBY, AK	BELL	47G-2	MINOR
3 3965	N7828S	102379	NRUIDOSO, NM	SOLOY	47G	FATAL

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

<u>FILE</u> <u>NUMBER</u>	<u>AIRCRAFT</u> <u>REGIST.</u>	<u>DATE</u>	<u>LOCATION</u>	<u>AIRCRAFT</u> <u>MAKE</u>	<u>MODEL</u>	<u>INJURY</u> <u>INDEX</u>
3 3991	N73249	112479	FAREWELL, AK	BELL	47G3B1	FATAL
3 3885	N11102	112479	MINA, NV	BELL	47G3B1	NONE
3 3504	N1335X	071479	NMONTELLO, NV	BELL	47G3B1	NONE
3 3487	N1321X	091879	YAKATAGA, AK	BELL	47G-3B	NONE
3 3484	N8593F	070679	JAMESPORT, NY	BELL	47G-5	FATAL
3 3477	N13PL	082079	KENTUCK, WV	BELL	47G-4A	NONE
3 3439	N8537F	100179	NTORREY, UT	BELL	47G3B1	NONE
3 3438	N512YP	091679	NBEAVER, UT	BELL	47G3B1	NONE
3 3175	N2271W	111679	DAYTON, OH	BELL	47G5	NONE
3 2942	N7104J	090679	HACKBERRY, LA	BELL	47G-4A	NONE
3 2929	N58132	112979	ALICE, TX	BELL	47G-5A	NONE
3 2616	N73963	081779	NRICO, CO	BELL	47G3B1	FATAL
3 2740	N8471E	092579	NPIERSON, IA	BELL	47G-3B	SERIOUS
3 2415	N3078G	062579	NEMIGRANT, MT	BELL	47G3B1	NONE
3 2548	N8573F	082479	NALICE, TX	BELL	47G-4A	NONE
3 2278	N7575	060379	CARROLLTON, OH	BELL	47G-2A	SERIOUS
3 2510	N1400W	081979	LAFAYETTE, LA	BELL	47G-4A	NONE
3 2092	N49882	042479	NPALATKA, FL	BELL	47G3	SERIOUS
3 2010	N7914S	070679	NESCONDIDO, CA	BELL	47G-5	SERIOUS
3 1876	N1385X	030279	SEASIDE PARK, NJ	BELL	47G-4A	NONE
3 1699	N4002G	012079	FALFURRIAS, TX	BELL	47G-4A	SERIOUS

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

<u>FILE</u> <u>NUMBER</u>	<u>AIRCRAFT</u> <u>REGIST.</u>	<u>DATE</u>	<u>LOCATION</u>	<u>AIRCRAFT</u> <u>MAKE</u>	<u>AIRCRAFT</u> <u>MODEL</u>	<u>INJURY</u> <u>INDEX</u>
3 1772	N4734S	081679	NHART, MI	BELL	47G-2	NONE
3 1756	N25MP	060679	WASHINGTON, DC	BELL	47G3B1	FATAL
3 1639	N73234	062779	DALLESPORT, WA	BELL	47G-3B	NONE
3 1222	N1150W	062979	MANVEL, TX	BELL	47G-4	NONE
3 1423	N166	073179	NPLAUCHEVILLE, LA	BELL	47G-2A	NONE
3 1191	N73872	042479	FALLBROOK, CA	BELL	47G-2A	NONE
3 0735	N6327D	040279	GUADALUPE, CA	BELL	47G2M	NONE
3 0798	N1150W	042479	ALVIN, TX	BELL	47-G4	SERIOUS
3 1004	N33613	030579	WILLIAMS, AZ	BELL	47G-3B	SERIOUS
3 0668	N6712D	042679	NWENATCHEE, WA	BELL	47G-3B	NONE
3 0598	N7829S	050679	NEWHALL, CA	BELL	47G3B1	MINOR
3 0584	N1218W	031279	RUSSELLVILLE, KY	BELL	47G4	MINOR
3 0560	N8567F	021479	NKISSIMMEE, FL	BELL	47J-2A	NONE
3 1127	N51711	051779	WESTFIELD, IN	BELL	47J2	NONE
3 3068	N930NR	091479	LONG BEACH, CA	BELL	47J-2	FATAL
3 1286	N707FW	060179	CHERRY VALLEY, AR	BELL	204	NONE
3 1458	N4790R	040879	LONG BEACH, CA	BELL	206	MINOR
3 1412	N4715R	071779	CUT OFF, LA	BELL	206B	FATAL
3 1006	N4830	061779	NBELL ROSE, LA	BELL	206B	NONE
3 1207	N59520	051879	NISLAND CITY, OR	BELL	206B	MINOR
3 0884	N203AL	051779	SORRENTO, LA	BELL	206B	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 1237	N27554	052879	INDIANAPOLIS, IN	BELL	206-11	NONE
3 1242	N16884	022479	NTAMPA, FL	BELL	206B	NONE
3 3170	N90022	091179	MERRIMACK, NH	BELL	206B	MINOR
3 3107	N59627	041279	NCAMERON, LA	BELL	206B	MINOR
3 2999	N6212N	110779	NAMITY, OR	BELL	206A	NONE
3 3342	N5008L	072679	FT COLLINS, CO	BELL	206B-3	NONE
3 3424	N1443W	071479	PHILADELPHIA, PA	BELL	206B	FATAL
3 3524	N16859	051679	GOBERADOR, NM	BELL	206B	NONE
3 3673	N59530	121079	SEA ISLAND, GA	BELL	206B	NONE
3 3963	N3500M	100679	OLD WESTBURY, NY	BELL	206B	FATAL
3 3904	N27598	100279	NPEMBROKE PINES, FL	BELL	206B	NONE
3 3948	N16867	122879	NTHERMOPOLIS, WY	BELL	206B	NONE
3 3912	N16810	062479	GOBERNADOR, NM	BELL	206B	NONE
3 3911	N711GT	072179	ALPINE, NJ	BELL	206B	NONE
3 3705	N16877	091679	NSITKA, AK	BELL	206	NONE
3 1811	N5018F	081179	NMORGAN CITY, LA	BELL	206B	FATAL
3 1591	N5013C	082879	ARSAROKEE, MT	BELL	206B	NONE
3 1586	N90315	070679	GARY, WV	BELL	206	NONE
3 1809	N16710	061279	NVENICE, LA	BELL	206B	MINOR
3 1807	N16779	042879	NCAMERON, LA	BELL	206L	MINOR
3 1690	N7853S	071879	SABINE, TX	BELL	206B	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 2191	N90171	080879	NINTRACSTL CITY,LA	BELL	206B	MINOR
3 2104	N280C	090879	LAGRANGE, TX	BELL	206B	NONE
3 2100	N14852	060379	NMORGAN CITY,LA	BELL	206B	SERIOUS
3 1977	N70RB	040479	SIPESVILLE, PA	BELL	206B	FATAL
3 2552	N7111J	081879	HOUSTON, TX	BELL	206B	NONE
3 2560	N2HJ	050679	HOUSTON, TX	BELL	206B	SERIOUS
3 2581	N500GH	090779	ROTONDA, FL	BELL	206B	NONE
3 2511	N155AL	091879	PATTERSON, LA	BELL	206B	NONE
3 2937	N5018N	100979	LAKE CHARLES, LA	BELL	206L	NONE
3 2775	N8533F	080379	GRAND CANYON, AZ	BELL	206B	MINOR
3 2099	N49673	092579	NMORGAN CITY, LA	BELL	212	NONE
3 1214	N226RM	041979	NDARBY, MT	BELL	214B-1	FATAL
3 0969	N22824	052679	TAMPA, FL	BRANTLY	B-2B	MINOR
3 1351	N5968X	040179	FLANDERS, NJ	BRANTLY	B2	NONE
3 0338	N2285U	020579	KENDALLVILLE, IN	BRANTLY	B2B	NONE
3 2337	N2183U	081379	NWASILLA, AK	BRANTLY	B-2B	NONE
3 2524	N2191U	100179	GUYMON, OK	BRANTLY	B-2B	NONE
3 1816	N2283U	072379	FLANAGAN, IL	BRANTLY	B-2B	NONE
3 0285	N94731	022579	NBRENTWOOD, CA	HILLER	UH-12B	NONE
3 4019	N5310V	080179	NDUTCH HARBOR, AK	HILLER	UH-12B	NONE
3 3561	N10195	110679	NMOUNT HOLLY, NJ	HILLER	UH12B	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
U.S. GENERAL AVIATION
1979

(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
3 3608	N62377	102979	AMANDA PARK, WA	HILLER ACFT	UH-12D	NONE
3 1442	N62397	072179	MINOT, ND	HILLER	UH-12D	NONE
3 1487	N94AP	032279	NTULAROSA, NM	HILLER	UH-12D	MINOR
3 1031	N48313	050179	NDREW, MS	HILLER	UH12D	MINOR
3 0468	N64867	040379	CHEHALIS, WA	HILLER	UH12D	FATAL
3 0576	N4027D	042779	GUSTINE, CA	HILLER	UH-12E	MINOR
3 0570	N175HA	032479	FRIEND, OR	HILLER ACFT	UH-12E	NONE
3 0467	N545HA	022379	NSPRINGFIELD, OR	HILLER ACFT	UH-12E	NONE
3 0466	N87893	033179	ST JOE NAT FST, ID	HILLER ACFT	UH-12E	NONE
3 0843	N28874	041079	WEAVERVILLE, CA	HILLER	UH-12	MINOR
3 1225	N67156	051979	LEXINGTON, OH	HILLER	UH-12E	NONE
3 1198	N87600	060879	NVERBENA, AL	HILLER	UH-12E	SERIOUS
3 1321	N90478	080979	WAILUKU MAUI, HI	HILLER	12E	MINOR
3 1077	N155HA	052379	NLIHUE, HI	HILLER ACFT	UH-12E	NONE
3 1568	N65048	062979	NQUINCY, WA	HILLER ACFT	UH-12E	NONE
3 3372	N400AH	072479	NLONGMONT, CO	HILLER	12E	NONE
3 3714	N20MQ	100879	HURTSBORD, AL	HILLER ACFT	12E	SERIOUS
3 3708	N702WA	081079	TUSCALOOSA, AL	HILLER ACFT	UH-12E	NONE
3 3159	N527HA	012979	NHOMESTEAD, FL	HILLER	UH-12E	SERIOUS
3 1767	N161HA	051179	INDEPENDENCE, OR	HILLER ACFT	UH-12E	NONE
3 2635	N4414	101779	MENDOTA, CA	HILLER	UH-12E	SERIOUS

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 2496	N62902	082479	NSQMERTON,AZ	HILLER	UH-12E	FATAL
3 2527	N87977	103179	NNEAH BAY,WA	HILLER ACFT	UH-12E	NONE
3 2013	N5335V	060879	NPORTERVILLE,CA	HILLER	UH-12E	MINOR
3 2052	N121NR	082079	TIMMONSVILLE,SC	HILLER	UH-12E	MINOR
3 2993	N6ZH	072879	WARM SPGS RES,OR	HILLER ACFT	UH-12E	MINOR
3 2845	N571H	112679	NSTANLEY,ID	HILLER ACFT	UH-12E	NONE
3 2183	N5349V	061379	NMONTROSE,CO	HILLER	UH-12L	NONE
3 1579	N90453	062279	ELK CITY,OK	HILLER	UH12L4	MINOR
3 0230	N30VA	022379	BLACKSBURG,VA	HILLER	1100	NONE
3 2674	N377FH	090679	NARLINGTON,WA	HILLER	FH1100	SERIOUS
3 1854	N5064F	071979	OXNARD,CA	HILLER ACFT	FH1100	NONE
3 1753	N9439F	062479	FINDLAY,OH	HUGHES	269B	NONE
3 1917	N8641F	073079	BARNESBORO,PA	HUGHES	300C	NONE
3 1899	N8385F	052679	GLOBE,AZ	HUGHES	300	MINOR
3 1748	N8863F	062479	PONTIAC,MI	HUGHES	269A	NONE
3 2476	N87592	091179	PHOENIX,AZ	HUGHES	269A	NONE
3 2698	N58320	072779	NSHELTON,NE	HUGHES	269C	NONE
3 2721	N7448F	070279	NWILLMAR,MN	HUGHES	269C	NONE
3 2455	N9355K	091579	RENTON,WA	HUGHES	269B	MINOR
3 2461	N7422F	080779	MONTEZUMA,GA	HUGHES	269C	NONE
3 2203	N9482F	091779	GAITHERSBURG,MD	HUGHES	269B	NONE

LISTING OF ACCIDENTS
 INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
-----	-----	-----	-----	-----	-----	-----
3 2096	N9393F	082079	WINTER PARK, FL	HUGHES	269B	SERIOUS
3 2382	N8853F	092979	TRENTON, SC	HUGHES	269A	MINOR
3 2048	N9534F	082579	MOBILE, AL	HUGHES	269B	MINOR
3 2050	N222SW	070379	HURTSBORO, AL	HUGHES	269C	NONE
3 2407	N9310F	090379	FLINT, MI	HUGHES	269B	MINOR
3 2754	N9416F	062879	WELLMAN, IA	HUGHES	269B	NONE
3 0450	N7450F	012779	NANDYTOWN, FL	HUGHES	269C	FATAL
3 1528	N8764F	071279	VINELAND, CO	HUGHES	269A	NONE
3 1630	N9323F	051979	FLANAGAN, IL	HUGHES	269B	NONE
3 1481	N9317F	061179	ALBUQUERQUE, NM	HUGHES	269B	NONE
3 1540	N7472F	061279	ECKLEY, CO	HUGHES	269C	MINOR
3 0855	N8864F	052579	KANSAS CITY, MO	HUGHES	269A	SERIOUS
3 0868	N8892F	050579	ALVA, OK	HUGHES	269A	MINOR
3 0824	N8960F	040579	SLATON, TX	HUGHES	269A-1	SERIOUS
3 0890	N9497F	051279	NGOODING, ID.	HUGHES	269B	NONE
3 0640	N99803	032979	BIG LAKE, TX	HUGHES	269C	MINOR
3 0897	N9329F	060779	CANISTOTA, SD	HUGHES	269B	NONE
3 0626	N8970F	032679	NWICHITA FALLS, TX	HUGHES	269C	NONE
3 3325	N9544F	102979	NSANDERSON, TX	HUGHES	269B	NONE
3 3340	N62402	092779	NNEW KNOXVILLE, OH	HUGHES	269B	NONE
3 3229	N9581F	122079	NCORNICH, UT	HUGHES	269C	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 3055	N7481F	120479	NGARDEN CITY,KS	HUGHES	269C	NONE
3 3903	N9393F	111079	WINTER HAVEN,FL	HUGHES	269B	NONE
3 3702	N8797F	083079	TAMIAMI,FL	HUGHES	269A	MINOR
3 3423	N7483F	121579	WEST MILTON,OH	HUGHES	269C	FATAL
3 3713	N8746F	090879	NKETCHIKAN,AK	HUGHES	269A	FATAL
3 3657	N501RP	101879	TRENTON,NJ	HUGHES	369D	MINOR
3 3441	N9076F	100479	MT CRAWFORD,VA	HUGHES	369HS	FATAL
3 3729	N58305	110379	NSUN CITY,AZ	HUGHES	369D	NONE
3 3830	N8687F	080179	MAKAWAO,MAUI,HI	HUGHES	369D	SERIOUS
3 3697	N83FC	081879	NKEMMERER,WY	HUGHES	369D	MINOR
3 3875	N9090F	090279	NALAKANUK,AK	HUGHES	500C	SERIOUS
3 3940	N9062F	070779	NHUNTER,NY	HUGHES	369HS	FATAL
3 3132	N8623F	091979	JACKSONVILLE,FL	HUGHES	369HS	FATAL
3 3320	N58240	101179	ABBEVILLE,LA	HUGHES	369D	NONE
3 3298	N8303F	122279	NMT.VERNON,WA	HUGHES	369D	MINOR
3 3418	N9186F	101079	NALBUQUERQUE,NM	HUGHES	500C	NONE
3 3095	N58184	072579	NBAY CITY,OR	HUGHES	369D	MINOR
3 0896	N8374F	051979	KING CITY,CA	HUGHES	369D	SERIOUS
3 1431	N8667F	070179	LABARGE,WY	HUGHES	369D	NONE
3 0455	N90876	010379	NLONGMONT,CO	HUGHES	500A	NONE
3 0174	N8696F	021679	MONTAGUE,CA	HUGHES	369C	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
U.S. GENERAL AVIATION
1979

(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAFT MAKE	AIRCRAFT MODEL	INJURY INDEX
3 0131	N58231	010979	BRIDGEPORT, CA	HUGHES	369B	MINOR
3 0324	N8306F	012179	NMARBLE, CO	HUGHES	500D	NONE
3 0303	N8359F	030179	MCKINLEYVILLE, CA	HUGHES	369D	SERIOUS
3 0046	N9141F	010479	NMINDEN, NV	HUGHES	369C	NONE
3 1132	N8629F	040279	PEKIN, IL	HUGHES	369D	FATAL
3 1316	N8674F	053079	AMHERSTDALF, WV	HUGHES	369D	NONE
3 1211	N8601F	050979	SPOKANE, WA	HUGHES	369D	MINOR
3 1039	N58333	030979	ANGLETON, TX	HUGHES	369D	FATAL
3 2858	N8673F	102379	PHOENIX, AZ	HUGHES	369D	MINOR
3 2940	N58270	121979	WESTWEGO, LA	HUGHES	369D	NONE
3 2294	N9034F	082079	GROSSE ILE, MI	HUGHES	369H5	NONE
3 2622	N58193	100579	HOUSTON, TX	HUGHES	369D	SERIOUS
3 2556	N8611F	100979	DALLAS, TX	HUGHES	369D	NONE
3 2529	N9256F	012279	NABERDEEN, WA	HUGHES	369HS	MINOR
3 2031	N9268F	062579	NYUBA CITY, CA	HUGHES	369HS	SERIOUS
3 1774	N922MB	052179	NST MARIES, ID	HUGHES	369HS	FATAL
3 4011	N4524	082479	NHAMILTON, MT	KAMAN	HH-43F	MINOR
3 1834	N509Y	073079	CHILLICOTHE, OH	SIKORSKY	S-55C	SERIOUS
3 2438	N95761	102379	NDAVENPORT, FL	SIKORSKY	S-55	FATAL
3 2298	N6737	083079	STANTON, MI	SIKORSKY	S-55B	MINOR
3 0731	N46755	030579	LA PLACE, LA	SIKORSKY	S-58	NONE

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 1480	USCG1376011779		OPA LOCKA, F	SIKORSKY	HH52A	FATAL
3 0245	N9894	030779	VINA, CA	SIKORSKY	H-19D	MINOR
3 2944	N476AL	112979	NINTRACSTL CITY, LA	SIKORSKY	S-76A	NONE
3 2957	N3593Z	110779	NNELLS, NV	AEROSPATILE	315B	NONE
3 3024	N3594B	122679	NINTRACSTL CY, LA	AEROSPATLE	AS-350	SERIOUS
3 2676	N219RM	100879	NSWAN VALLEY, ID	AEROSPATIAL	SA315B	FATAL
3 3382	N48085	053079	IDAHO SPRNGS, CO	AEROSPATIAL	SA319B	MINOR
3 3256	N2304P	113079	NPROVO, UT	AEROSPATIAL	SA316B	NONE
3 3098	N55963	121779	NMILL CITY, OR	AEROSPATLE	SA315B	NONE
3 3462	N49524	072079	NALPINE, WY	AEROSPATIAL	S315B	SERIOUS
3 3624	N90825	120779	NBAXTER, IA	AEROSPATLE	319B	NONE
3 3863	N119SF	102379	PHILADELPHIA, PA	AEROSPATLE	SA341G	MINOR
3 0909	N341FR	042879	YORK, NE	AEROSPATLE	341G	NONE
3 0167	N49556	020379	NSALT FLAT, TX	AEROSPATIAL	350C	NONE
3 2620	N90049	042679	NSABINE PASS, TX	AEROSPATILE	SA365C	SERIOUS
3 1455	N516KA	060179	NEW YORK, NY	AGUSTA	109A	NONE
3 0108	N5229	020379	LINCOLN, CA	JAMES VAN C	JV8M	NONE
3 0547	N68093	041479	NADELANTO, CA	BARNETT	J-4	FATAL
3 0792	N6820A	050679	NMULBERRY, FL	BENSEN GYRO	R-8M	FATAL
3 0672	N9024R	021979	CANTON, NY	BENSEN	R8M	FATAL
3 1367	N47814	071579	MOUNTAIN GROVE, MO	BENSEN	GYRO	NONE

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 1979
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3 1335	N133RW	052179	NBELGRADE, MT	SCORPION	II	NONE
3 2739	N711RJ	061179	ST. PAUL, MN	SCORPION	II	NONE
3 2949	N6933	111979	SAND SPRINGS, OK	BENSON	B8M	FATAL
3 2385	N97521	032779	NJOHNS ISLAND, SC	SCORPION	T00	FATAL
3 2227	N1182	080479	MARS HILL, ME	BENSON	B8MVW	MINOR
3 1859	N1450	061779	PASO ROBLES, CA	BENSEN	B8M	FATAL
3 3521	N65232	072279	NR0CKFORD, IL	BENSON	B-8M	MINOR
3 3351	N44JA	082779	CARSBAD, NM	HELICOM	COMM11	NONE
3 3292	NONE	122979	NASHUA, MT	SCORPION	133	FATAL
3 3114	NONE	111779	RAY CITY, TX	SCORPION	II	FATAL
3 3662	N36JB	072379	ROCKFORD, IL	SCORPION	T00	NONE
3 1259	N8447	072079	ROCKFORD, IL	LACH/BENSEN	B8M	MINOR
3 1226	N4644	061079	JOHNSTOWN, OH	BENSON	B8M	SERIOUS
3 2666	N86531	081979	FAYETTEVILLE, TN	BENSON	R8M	FATAL
3 1707	N90755	052179	NGALVESTON, TX	BOLKOW	B0105C	NONE
3 1737	N593H	072679	NBRIDGEPORT, CA	ENSTROM	F-28C	NONE
3 1322	N51717	072879	NAUBURN, NE	ENSTROM	F28C	NONE
3 0945	N520H	012079	SHAFTER, CA	ENSTROM	F28A	NONE
3 0658	N623H	032879	NHONOLULU, HI	ENSTROM	F-28C	NONE
3 0995	N9082	021479	OXNARD, CA	ENSTROM	F-28A	NONE
3 0440	N604H	031779	SCHROON LAKE, NY	ENSTROM	F-28C	SERIOUS

LISTING OF ACCIDENTS
INVOLVING ROTORCRAFT
 U.S. GENERAL AVIATION
 1979
 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER -----	AIRCRAFT REGIST. -----	DATE -----	LOCATION -----	AIRCRAFT MAKE -----	AIRCRAFT MODEL -----	INJURY INDEX -----
3 0336	N51781	032979	COLORADO CITY, TX	ENSTROM	280C	NONE
3 2888	N573H	081879	ERIE, PA	ENSTROM	F28C	SERIOUS.
3 2900	N521H	121279	WOODLAKE, CA	ENSTROM	F-28A	NONE
3 2549	N51774	071379	VICTORIA, TX	ENSTROM	F-28C	NONE
3 2386	N562H	083179	DUCKWATER, NV	ENSTROM	280C	NONE
3 2105	N2540	050579	FRIENDSWOOD, TX	ENSTROM	F-28A	NONE
3 2288	N4883	062479	ALBION, MI	ENSTROM	F-28A	NONE
3 3030	N2590	080179	WEST HARTFORD, VT	ENSTROM	F28A	NONE
3 2981	N2440	091279	KINGS MILLS, OH	ENSTROM	F-28A	FATAL
3 3046	N4896	120279	ST. LOUIS, MO	ENSTROM	F-28A	NONE
3 3020	N222LP	092279	NEWCOMB, NY	ENSTROM	F-28A	NONE
3 2988	N222NT	091779	NVANCOUVER, WA	ENSTROM	280C	NONE
3 2977	N51759	120779	NPORT MANSFIELD, TX	ENSTROM	F-28C	NONE
3 3698	N554H	090879	CARSON CITY, NV	ENSTROM	280C	SERIOUS
3 3587	N642H	112479	OAKDALE, NY	ENSTROM	F28C	SERIOUS
3 3953	N532H	070279	NPORTAGE, AK	ENSTROM	F-28C	NONE
3 3401	N559H	051679	NSHELBYVILLE, KY	ENSTROM	F-28-C	NONE

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS

INVOLVING ROTORCRAFT

U.S. GENERAL AVIATION

1979

(IN STATE AND DATE ORDER)

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1198	6/8/79	NR. VERBENA, AL	HILLER UH-12E N87600 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	AIRLINE TRANSPORT, AGE 32, 6139 TOTAL HOURS, 69 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT VERBENA, AL	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED		PHASE OF OPERATION IN FLIGHT SWATH RUN		
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE				
		SPECIAL DATA				
		TOTAL HOURS IN CROP CONTROL - 6000			KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - COTTON			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
		PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - NOT USED	
		GOGGLES - NOT USED			CRASH HELMET - AVAILABLE USED	
		CRASH BAR - NOT INSTALLED			TANK/HOPPER-LOCATION - SIDES	
		TERRAIN-TYPE - HILLY			ELEVATION-AREA BEING TREATED- FEET - 380	
		SWATH RUN-HOW FLOWN - CROSSWIND				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2050	7/3/79	HURTSBORO, AL	HUGHES 269C N222SW DAMAGE-DESTROYED	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 45, 808 TOTAL HOURS, 93 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1145							
		NAME OF AIRPORT - SOHOY						
		DEPARTURE POINT	INTENDED DESTINATION					
		HURTSBORO, AL	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLIDED WITH CROP					IN FLIGHT STARTING SWATH RUN	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 15					KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - CORN					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 - LEVEL, FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 340					SWATH RUN-HOW FLOWN - WIND CALM	
3-3187	7/29/79	ENTERPRISE, AL	BELL 47-D1 N36015 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 50, 6600 TOTAL HOURS, 430 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0945			PX- 0 0 0				
		DEPARTURE POINT	INTENDED DESTINATION					
		ENTERPRISE, AL	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		ROLL OVER					IN FLIGHT PROCEDURE TURNAROUND	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 6660					KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - OTHER					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					GLOVES - USED	
		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 - 383					SWATH RUN-HOW FLOWN - UPWIND	
		PROCEDURE TURNAROUND - FIRST 1/3 TURN						
		REMARKS- RAN THROUGH ROTOR WASH.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3708	8/10/79	TUSCALOOSA, AL	HILLER ACFT UH-12E N702WA DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 26, 2737 TOTAL HOURS, 132 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT TUSCALOOSA, AL	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	MAIN ROTOR				PHASE OF OPERATION LANDING FINAL APPROACH LANDING POWER-ON LANDING		
		PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - CORRODED/CORROSION MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND LATERAL CONTROL PROBLEM PITCH CONTROL PROBLEM							
		REMARKS- PIN, MAIN ROTOR, OUTBOARD, TENSION-TORSION BAR P/N 51452, S/N 8716.							
3-2048	8/25/79	MOBILE, AL	HUGHES 269B N9534F DAMAGE-DESTROYED	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 32, 3319 TOTAL HOURS, 156 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT MOBILE, AL	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT HARD LANDING					PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING		
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3714	10/8/79	HURTSBORO,AL	HILLER ACFT 12E N20MQ DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 34, 5500 TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - SEHOY						
DEPARTURE POINT		INTENDED DESTINATION				
HURTSBORO,AL		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						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 2500			KIND OF OPERATION - DEFOLIATION (LIQUID)			
KIND OF CROP - COTTON			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC			
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 - 300			SWATH RUN-HOW FLOWN - WIND CALM			
FIRE AFTER IMPACT						
REMARKS- COLLIDED W PWRLINE.						
3-3953	7/2/79	NR.PORTAGE,AK	ENSTRON F-28C N532H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 20, 1322 TOTAL HOURS, 44 IN TYPE, NOT INSTRU- MENT RATED.
DEPARTURE POINT		INTENDED DESTINATION				
ANCHORAGE,AK		PORTAGE,AK				
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 MASTER AND CONNECTING RODS						
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE						
FACTOR(S)						
TERRAIN - WET,SOFT GROUND						
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- NO 2 CONNECTING ROD CAP & BOLT FAILED.ROTOR BLADE HIT TAIL DRG FORCED LNDG ON TUNDRA.CO FLT PLN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-4019	8/1/79	NR. DUTCH HARBOR, AK	HILLER UH-12B N5310V	CR-	0	0	1	MISCELLANEOUS SEARCH AND RESCUE	PRIVATE, AGE 64, UNK/NR TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1830		DAMAGE-SUBSTANTIAL	PX-	0	0	0		
	DEPARTURE POINT		INTENDED DESTINATION						
	DUTCH HARBOR, AK		DUTCH HARBOR, AK						
	TYPE OF ACCIDENT							PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION							IN FLIGHT NORMAL CRUISE	
	HARD LANDING							LANDING POWER-ON LANDING	
	PROBABLE CAUSE(S)								
	PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.								
	PILOT IN COMMAND - EXERCISED POOR JUDGMENT								
	TERRAIN - ROUGH/UNEVEN								
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE								
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
3-2337	8/13/79	NR. WASILLA, AK	BRANTLY R-2B N2183U	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 41, 990 TOTAL HOURS, 51 IN TYPE, INSTRUMENT RATED.
	TIME - 1200		DAMAGE-SUBSTANTIAL	PX-	0	0	1	PLEASURE/PERSONAL TRANSP	
	DEPARTURE POINT		INTENDED DESTINATION						
	WILLOW, AK		WASILLA, AK						
	TYPE OF ACCIDENT							PHASE OF OPERATION	
	ROLL OVER							LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)								
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING								
	FACTOR(S)								
	WEATHER - DOWNDRAFT, UPDRAFTS								
	TERRAIN - ROUGH/UNEVEN								
	SKY CONDITION							CEILING AT ACCIDENT SITE	
	CLEAR							UNLIMITED	
	VISIBILITY AT ACCIDENT SITE							PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED)							NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE							WIND DIRECTION-DEGREES	
	NONE							90	
	WIND VELOCITY-KNOTS							TYPE OF WEATHER CONDITIONS	
	10							VER	
	TYPE OF FLIGHT PLAN								
	NONE								
	REMARKS-								PLT STATED-APPLIED FULL PWR DRG LNDG APRH TO KNOLL, BUT HEL CONT TO DSND. WND GUSTING 20 KT.

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3875	9/2/79 TIME - 1025	NR. ALAKANUK, AK	HUGHES 500C N9090F DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 2	1 0	COMMERCIAL AIR TAXI-PASSG	ATP, FLIGHT INSTR., AGE 28, 5410 TOTAL HOURS, 900 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ALAKANUK, AK	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - FUEL SYSTEM PUMP, FUEL MISCELLANEOUS ACTS, CONDITIONS - EXCESSIVE-WEAR/PLAY COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- FUEL PUMP DRIVE SHAFT SPLINES WORN, AD 78-14-08 NCW. ENG PWR LOST DRG HOVER AT APRX 50FT AGL.						
3-3726	9/3/79 TIME - 2000	NR. RUBY, AK	BELL 47G-2 N12848 DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 0	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 35, 1080 TOTAL HOURS, 170 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FAIRRANKS, AK.	INTENDED DESTINATION RUBY, AK				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD 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						
		FACTOR(S) WEATHER - CONDITIONS CONDUCIVE TO CARB./INDUCTION SYSTEM ICING 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 (UNLIMITED)					PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE					TYPE OF WEATHER CONDITIONS VFR	
		TYPE OF FLIGHT PLAN NONE						
		REMARKS- DRG AUTO-ROTATION, RPM DECAYED AS PLT CLRD TREES PRIOR TO LNDG. PLT SUSPECTED CARBURETOR ICE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S H/N	FLIGHT PURPOSE	PILOT DATA
3-3713	9/8/79	NR.KFTCHIKAN,AK	HUGHES 269A N8746F DAMAGE-SUBSTANTIAL	CR- 0 0 0 PX- 0 0 0 OT- 1 0 0	MISCELLANEOUS UNKNOWN/NOT REPORTED	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
		TYPE OF ACCIDENT UNDETERMINED			PHASE OF OPERATION UNKNOWN/NOT REPORTED	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED				
		FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER				
		REMARKS- NON-PILOT OWNER FOUND DROWNED, PAX/PLT WHO ARRIVED WITH OWNER STATED HE WAS FISHING AT TIME OF ACDT				
3-3705	9/16/79	NR.SITKA,AK	BELL 206 N16877 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 3428 TOTAL HOURS, 582 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SITKA,AK	INTENDED DESTINATION RETURN		LAST ENROUTE STOP RUBY BLUFF BAY,AK	
		TYPE OF ACCIDENT ROLL OVER			PHASE OF OPERATION TAKEOFF VERTICAL	
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING				
		FACTOR(S) TERRAIN - HIDDEN OBSTRUCTIONS				
		REMARKS- L SKID CAUGHT ON ROOT DRG TKNF & HEL ROLLED OVR.				
3-3487	9/18/79	YAKATAGA,AK	BELL 47G-3B N1321X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 57, 15000 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - YAKATAGA				
		DEPARTURE POINT YAKATAGA,AK	INTENDED DESTINATION CORDOVA,AK.			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION OTHER PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING				
		MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.				
		REMARKS- ACFT REFUELED FM 55-GAL BARRELS BFR FLT.FLOAT EQUIPPED.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3991	11/24/79	FAREWELL, AK	BELL 47G3B1 N73249 DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL BUSINESS	STUDENT, AGE 36, 159 TOTAL HOURS, 2 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - FAREWELL DEPARTURE POINT MCGRATH, AK	INTENDED DESTINATION FAREWELL, AK			
		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				
		FACTOR(S) WEATHER - FOG				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON				
		WEATHER FORECAST - UNKNOWN/NOT REPORTED				
		SKY CONDITION PARTIAL OBSCURATION			CEILING AT ACCIDENT SITE 3500	
		VISIBILITY AT ACCIDENT SITE 2 MILES OR LESS			PRECIPITATION AT ACCIDENT SITE UNKNOWN/NOT REPORTED	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG			TYPE OF WEATHER CONDITIONS IFR	
		TYPE OF FLIGHT PLAN NONE				
		REMARKS- PLT HAD TOTAL OF 1.6HRS HELD TIME.				
3-1004	3/5/79	WILLIAMS, AZ	BELL 47G-3B N33613 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 54, 1824 TOTAL HOURS, 143 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT WILLIAMS, AZ	INTENDED DESTINATION PRESCOTT, AZ			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED		PHASE OF OPERATION TAKEOFF VERTICAL	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE				
		WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED				
		SKY CONDITION BROKEN			CEILING AT ACCIDENT SITE 25000	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 45	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN VFR	
		REMARKS- D/A APPROX 10600FT.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1899	5/26/79	GLOBE,AZ	HUGHES 300 NR385F	CR- 0 0 1			MISCELLANEOUS	COMMERCIAL, AGE 32, 3819 TOTAL HOURS, 78 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1615		DAMAGE-SUBSTANTIAL	PX- 0 0 0			FERRY	
	DEPARTURE POINT		INTENDED DESTINATION					
	GLOBE,AZ		STAFFORD,AZ					
	TYPE OF ACCIDENT						PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER		CONTROLLED				IN FLIGHT NORMAL CRUISE	
	PROBABLE CAUSE(S)							
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING							
	MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING							
	FACTOR(S)							
	WEATHER - DOWNDRAFT,UPDRAFTS							
	WEATHER - THUNDERSTORM ACTIVITY							
	WEATHER - HIGH DENSITY ALTITUDE							
	WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED							
	SKY CONDITION						CEILING AT ACCIDENT SITE	
	CLEAR						UNLIMITED	
	VISIBILITY AT ACCIDENT SITE						PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED)						NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE						TEMPERATURE-F	
	NONE						85	
	WIND DIRECTION-DEGREES						WIND VELOCITY-KNOTS	
	270						10	
	TYPE OF WEATHER CONDITIONS						TYPE OF FLIGHT PLAN	
	VFR						NONE	
	REMARKS- WND GUSTING 30K.DENSITY ALT APPROX 8200 FT.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2775	8/3/79	GRAND CANYON, AZ	BELL 206B N8533F	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 27. 2136
	TIME - 1835		DAMAGE-SUBSTANTIAL	PX-	0	0	4	AIR TAXI-PASSG	TOTAL HOURS, 1229 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION						
	TUSAYAN, AZ		LOCAL						
	TYPE OF ACCIDENT							PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION							IN FLIGHT NORMAL CRUISE	
	HARD LANDING							LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S)								
	PERSONNEL - MAINTENANCE, SERVICING, INSPECTION							IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)	
	POWERPLANT - FUEL SYSTEM PUMP, FUEL								
	MISCELLANEOUS ACTS, CONDITIONS - EXCESSIVE-WEAR/PLAY								
	FACTOR(S)								
	TERRAIN - ROUGH/UNEVEN								
	WEATHER - UNFAVORABLE WIND CONDITIONS								
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE								
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
	SKY CONDITION							CEILING AT ACCIDENT SITE	
	CLEAR							UNLIMITED	
	VISIBILITY AT ACCIDENT SITE							PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED)							NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE							TEMPERATURE-F	
	NONE							78	
	WIND DIRECTION-DEGREES							WIND VELOCITY-KNOTS	
	270							5	
	TYPE OF WEATHER CONDITIONS							TYPE OF FLIGHT PLAN	
	VFR							NONE	
	REMARKS- ENG DRIVEN FUEL PUMP DRSHFT SPLINES & PUMP SPLINES WORN, SUNDSTRAND 024918-104, S/N PE 3232.								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2058	8/21/79	NR. EHRENBERG, AZ	BELL M-74 N38105 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 40, 10675 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BLYTHE, AZ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR	PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 6000 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 - 250 PROCEDURE TURNAROUND - FIRST 1/3 TURN REMARKS- WEED CONTROL. TAIL ROTOR OUTPUT ASSEMBLY.						
3-2496	8/24/79	NR. SOMERTON, AZ	HILLER UH-12E N62902 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 32, 7000 TOTAL HOURS, 3000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SOMERTON, AZ	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT AIRFRAME FAILURE	IN FLIGHT	PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND		
PROBABLE CAUSE(S) PERSONNEL - MAINTFNANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED REMARKS- BOLT, AN175-46A, CONNECTING FORE & AFT CYCLIC CONTROL BELLCRANK BACKED OUT. NUT, MS21042L5, MISSING.						

BRRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2476	9/11/79 TIME - 1330	PHOENIX,AZ	HUGHES 269A N87592 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, FL.INSTR., AGE 33, 3943 TOTAL HOURS, 250 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT PHOENIX,AZ	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING ROLL-ON/RUN-ON LANDING ROLL-ON/RUN-ON	
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER GEAR COLLAPSED	CONTROLLED				
	PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS MISCELLANEOUS ACTS,CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS					
	FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE REMARKS- PHOTO EQUIPMENT BLOCKED ANTI-TORQUE PEDALS.					
3-2858	10/23/79 TIME - 1345	PHOENIX,AZ	HUGHES 369D N8673F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 38, 465 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - GILA RVR HELIPORT DEPARTURE POINT MESA,AZ	INTENDED DESTINATION PHOENIX,AZ			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER					
	PROBABLE CAUSE(S) POWERPLANT - TURBINE ASSEMBLY SEALS,AIR-OIL MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE					
	FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- 3 ENG TURBINE SEALS & ALL TURBINE BEARINGS FAILED IN ALLISON 250-C20B,CAE 8307479					
3-3729	11/3/79 TIME - 1500	NR.SUN CITY,AZ	HUGHES 369D N58305 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 32, 3028 TOTAL HOURS, 465 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - LUKE AFB AUX 3 DEPARTURE POINT PHOENIX,AZ	INTENDED DESTINATION SUN CITY,AZ			PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT HARD LANDING					
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T. REMARKS- T/R PITCH,CONTROL SYSTEM FAILED FOR UNDETMINED REASON.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1286	6/1/79	CHERRY VALLEY, AR	BELL 204 N707FW DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 49, 11120 TOTAL HOURS, 102 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1600							
		NAME OF AIRPORT - CHERRY VALLEY						
		DEPARTURE POINT	INTENDED DESTINATION					
		CHERRY VALLEY, AR	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER	CONTROLLED				IN FLIGHT FLAREOUT FOR SWATH RUN	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - MISJUDGED ALTITUDE						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 8900					KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - RICE					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					GLOVES - NOT USED	
		CRASH HELMET - AVAILABLE-NOT USED					COCKPIT CRASHPAD - NOT INSTALLED	
		TANK/HOPPER-LOCATION - AFT OF PILOT					TERRAIN-TYPE - LEVEL, FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 250					SWATH RUN-HOW FLOWN - CROSSWIND	
3-1285	6/19/79	EARLE, AR	BELL 47G-2 N3550 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 42, 3236 TOTAL HOURS, 3015 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1900			PX- 0 0 0				
		DEPARTURE POINT	INTENDED DESTINATION					
		EARLE, AR	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		TURBULENCE					IN FLIGHT EN ROUTE TO TREAT CROP	
		PROBABLE CAUSE(S)						
		MISCELLANEOUS - VORTEX TURBULENCE						
		FACTOR(S)						
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED					KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - UNKNOWN/NOT REPORTED					TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					TANK/HOPPER-LOCATION - UNKNOWN/NOT REPORTED	
		ELEVATION-AREA BEING TREATED- FEET - 200					SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED	

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/W	FLIGHT PURPOSE	PILOT DATA
3-0131	1/9/79 TIME - 0920	BRIDGEPORT, CA	HUGHES 369B N58231 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL CTR PASSG-D	ATP, FLIGHT INSTR., AGE 32, 4552 TOTAL HOURS, 2060 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT HUNESVILLE RANCH, CA	INTENDED DESTINATION EAGLE PEAK, CA			PHASE OF OPERATION LANDING POWER-ON LANDING	
	TYPE OF ACCIDENT ROLL OVER					
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN					
	FACTOR(S) TERRAIN - SNOW-COVERED WEATHER - UNFAVORABLE WIND CONDITIONS MISCELLANEOUS ACTS, CONDITIONS - WHITEOUT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	SKY CONDITION CLEAR				CEILING AT ACCIDENT SITE UNLIMITED	
	VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 25	
	WIND DIRECTION-DEGREES 180				WIND VELOCITY-KNOTS 10	
	TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN UNKNOWN/NOT REPORTED	
	REMARKS- LOST SIGHT OF GROUND DURING LANDING WHEN ROTOR DOWN WASH CAUSED WHITEOUT.					
3-0945	1/20/79 TIME - 1100	SHAFTER, CA	ENSTRON F28A N520H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 42, 3688 TOTAL HOURS, 1265 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT SHAFTER, CA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE ROLL OVER	TAIL ROTOR			LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR PULLEYS, BELTS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT SUSPECTED OR KNOWN AIRCRAFT DAMAGE UNUSUAL NOISE					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-0108	2/3/79	LINCOLN, CA	JAMES VAN C JV8M N5229 DAMAGE-SUBSTANTIAL	CR- 0 0 1			NONCOMMERCIAL	PRIVATE, AGE 31, 353 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1530			PX- 0 0 0			PLEASURE/PERSONAL TRANSP	
		NAME OF AIRPORT - LINCOLN						
		DEPARTURE POINT	INTENDED DESTINATION					
		LINCOLN, CA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER	CONTROLLED				LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
		REMARKS- MCCULLOCH 4318A ENGINE						
3-0995	2/14/79	OXNARD, CA	ENSTRON F-28A N9082 DAMAGE-DESTROYED	CR- 0 0 1			INSTRUCTIONAL	STUDENT, AGE 34, 3040 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1045			PX- 0 0 0			TRAINING	
		NAME OF AIRPORT - OXNARD						
		DEPARTURE POINT	INTENDED DESTINATION				LAST ENROUTE STOP	
		SANTA YNES, CA	LONG BEACH, CA				OXNARD, CA	
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		PROPELLER/ROTOR FAILURE	MAIN ROTOR				IN FLIGHT NORMAL CRUISE	
		HARD LANDING					LANDING ROLL-ON/RUN-ON	
		PROBABLE CAUSE(S)						
		PERSONNEL - MAINTENANCE, SERVICING, INSPECTION	INADEQUATE MAINTENANCE AND INSPECTION					
		ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM	SPRAG SYSTEM					
		MISCELLANEOUS ACTS, CONDITIONS - OIL CONTAMINATION						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.						
		REMARKS- TRANS OIL CONTAINED ANTI-WEAR & TRACES OF EP ADDITIVES THAT COULD PREVENT UNIFORM SPRAG ENGAGEMENT						
3-0174	2/16/79	MONTAGUE, CA	HUGHES 369C NR696F DAMAGE-SUBSTANTIAL	CR- 0 0 1			NONCOMMERCIAL	COMMERCIAL, AGE 33, 6130 TOTAL HOURS, 1565 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1545			PX- 0 0 0			PRACTICE	
		NAME OF AIRPORT - MONTAGUE-YREKA						
		DEPARTURE POINT	INTENDED DESTINATION					
		MONTAGUE, CA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		HARD LANDING					LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN						
		TERRAIN - WET, SOFT GROUND						
		REMARKS- DRNG LDG HELI WENT INTO MUD, CAME TO SUDDEN STOP, MR BLADES CUT OFF TAILBOOM.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-0285	2/25/79	NR. BRENTWOOD, CA	HILLER UH-12B N94731 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 1305 TOTAL HOURS, 1101 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BRENTWOOD, CA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH WIRES/POLES						
		PROBABLE CAUSE(S) POWERPLANT - IGNITION SYSTEM SPARK PLUG MISCELLANEOUS ACTS, CONDITIONS - CARBON DEPOSITS FACTOR(S) 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 - 1000 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 - 120 PROCEDURE TURNAROUND - SECOND 1/3 TURN					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	
3-0303	3/1/79	MCKINLEYVILLE, CA	HUGHES 369D N8359F DAMAGE-DESTROYED	CR- 0 1 0			COMMERCIAL CTR PASSG-D	COMMERCIAL, FL. INSTR., AGE 34, 1978 TOTAL HOURS, 224 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - ARCATA AIRPORT DEPARTURE POINT SMITH RIVER, CA	INTENDED DESTINATION BLUE LAKE, CA				PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT HARD LANDING						
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT SUSPECTED MECHANICAL DISCREPANCY REMARKS- PLT SUSPECTED TAIL ROTOR FAILURE, ATTEMPTD EMERG LNDG. MAIN ROTOR BADES SEVERED TAILCONE ON TCHDWN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-0478	3/2/79	NR.SHAFTER,CA	BELL OH13H N9001T DAMAGE-DESTROYED	CR- 1 0 0			COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 46, 1791 TOTAL HOURS, 1681 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0010							
		NAME OF AIRPORT - SHAFTER						
		DEPARTURE POINT SHAFTER,CA	INTENDED DESTINATION SHAFTER,CA					
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED				PHASE OF OPERATION IN FLIGHT CLIMB TO CRUISE	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
		FIRE AFTER IMPACT						
		REMARKS- FROST CONTROL OPERATION						
3-0245	3/7/79	VINA,CA	SIKORSKY H-19D N9894 DAMAGE-DESTROYED	CR- 0 0 1			COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 44, 1800 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1315							
		DEPARTURE POINT VINA,CA	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING ROLL	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1400 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - OTHER ELEVATION-AREA BEING TREATED- FEET - 208					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- DRIVETRAIN FAILURE BETWEEN ENG AND MAIN ROTOR.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-0546	3/25/79 TIME - 1015	LANCASTER, CA	BELL 47-G2 N4228A DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1			NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	ATP, FLIGHT INSTR., AGE 30, 2891 TOTAL HOURS, 143 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT BURBANK, CA	INTENDED DESTINATION LANCASTER, CA				PHASE OF OPERATION LANDING FINAL APPROACH LANDING ROLL-ON/RUN-ON	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER						
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS						
		FACTOR(S) TERRAIN - WET, SOFT GROUND						
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
3-0735	4/2/79 TIME - 0610	GUADALUPE, CA	BELL 47G2M N6327D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 38, 4000 TOTAL HOURS, 390 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT GUADALUPE, CA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT SWATH RUN	
		TYPE OF ACCIDENT COLLIDED WITH OBJECT						
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS						
		FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 4000					KIND OF OPERATION - DUSTING CROPS	
		KIND OF CROP - LETTUCE					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					GLOVES - USED	
		GOGGLES - NOT USED					CRASH HELMET - AVAILABLE USED	
		COCKPIT CRASHPAD - NOT INSTALLED					CRASH BAR - NOT INSTALLED	
		TANK/HOPPER-LOCATION - SIDES					TERRAIN-TYPE - LEVEL, FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 10					SWATH RUN-HOW FLOWN - WIND CALM	
		REMARKS- STANDPIPE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1458	4/8/79	LONG BEACH, CA	BELL 206 N4790R DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	NO CERTIFICATE, AGE UNK/NR, 0 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0055			PX-	0	0	0	OTHER	
		NAME OF AIRPORT - LONG BEACH							
		DEPARTURE POINT	INTENDED DESTINATION						
		LONG BEACH, CA	LOCAL						
		TYPE OF ACCIDENT							
		COLLISION WITH GROUND/WATER	UNCONTROLLED						
		PHASE OF OPERATION							
		TAKEOFF	VERTICAL						
		PROBABLE CAUSE(S)							
		MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT							
		FACTOR(S)							
		MISCELLANEOUS ACTS, CONDITIONS - STOLEN OR UNAUTHORIZED USE OF AIRCRAFT							
		REMARKS- STOLEN HELICOPTER. INDIVIDUAL NOT RATED.							
3-0843	4/10/79	WEAVERVILLE, CA	HILLER UH-12 N28874 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 39, 3410 TOTAL HOURS, 1107 IN TYPE, INSTRUMENT RATED.
	TIME - 0645			PX-	0	0	1	NS CTR PASSG	
		DEPARTURE POINT	INTENDED DESTINATION						
		WEAVERVILLE, CA	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)							
		PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING							
		MISCELLANEOUS ACTS, CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL							
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE							
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
3-0547	4/14/79	NR. ADELANTO, CA	BARNETT J-4 N68093 DAMAGE-DESTROYED	CR-	1	0	0	NONCOMMERCIAL	PRIVATE, AGE 51, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1040			PX-	0	0	0	PLEASURE/PERSONAL TRANSP	
		DEPARTURE POINT	INTENDED DESTINATION						
		ADELANTO, CA	LOCAL						
		TYPE OF ACCIDENT							
		COLLIDED WITH OBJECT							
		PHASE OF OPERATION							
		IN FLIGHT	NORMAL CRUISE						
		PROBABLE CAUSE(S)							
		PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS							
		REMARKS- GYRO HIT GLIDER TOW LINE.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1191	4/24/79 TIME - 0745	FALLBROOK,CA	BELL 47G-2A N73872 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 30, 2075 TOTAL HOURS, 288 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CARLSBAD,CA	INTENDED DESTINATION RETURN		LAST ENROUTE STOP FALLBROOK,CA	
		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 - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - INATTENTIVE TO FUEL SUPPLY MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION				
		FACTOR(S) 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 - 2075 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 - 1100			KIND OF OPERATION - FERTILIZING (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - INSTALLED TERRAIN-TYPE - *ERROR-INVALID CODE*	
3-0576	4/27/79 TIME - 1800	GUSTINE,CA	HILLER UH-12E N4027D DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	AIRLINE TRANSPORT, AGE 34, 5750 TOTAL HOURS, 50 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT GUSTINE,CA	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) MISCELLANEOUS ACTS,CONDITIONS - SUNGLARE				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0598	5/6/79	NEWHALL,CA	BELL 47G3R1 N7829S DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 32, 5982 TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT NEWHALL,CA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLIDED WITH TREES						PHASE OF OPERATION IN FLIGHT SWATH RUN	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2000 KIND OF CROP - OTHER PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 1500 REMARKS- SPRAYING WALNUT TREES.						KIND OF OPERATION - FERTILIZING (LIQUID) 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	
3-0896	5/19/79	KING CITY,CA	HUGHES 369D N8374F DAMAGE-DESTROYED	CR- PX-	0 0	1 0	0 1	NONCOMMERCIAL CORP/EXEC	ATP, FLIGHT INSTR., AGE 40, 5562 TOTAL HOURS, 362 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LONE RANCH HELD PAD	INTENDED DESTINATION FRESNO,CA						
		TYPE OF ACCIDENT HARD LANDING						PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE FACTOR(S) SYSTEMS - ELECTRICAL SYSTEM SWITCHES MISCELLANEOUS ACTS,CONDITIONS - ELECTRICAL FAILURE FIRE AFTER IMPACT							
3-1099	5/25/79	SALINAS,CA	BELL 47-G2 N68367 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 50, 7091 TOTAL HOURS, 6000 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SALINAS DEPARTURE POINT SALINAS,CA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED						PHASE OF OPERATION IN FLIGHT SURVEY FIELD/AREA	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. REMARKS- NO CHEMICAL BEING CARRIED.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2013	6/8/79	NR. PORTERVILLE, CA	HILLER UH-12E N5335V DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 31, 3202 TOTAL HOURS, 1330 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PORTERVILLE, CA	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) MISCELLANEOUS ACTS, CONDITIONS - WINDSHIELD, DIRTY, FOGGY, ETC. - RESTRICTED VISION MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE TERRAIN - HIGH OBSTRUCTIONS				
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - .900 KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 500 REMARKS- CANOPY COVERED BY SPRAY MIST WHILE SPRAYING ORANGES. COLLIDE W PWR LINES.				
					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 - CROSSWIND	
3-1049	6/15/79	NR. NAPA, CA	BELL OH-13H N51849 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 32, 3900 TOTAL HOURS, 225 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT NAPA, CA	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) MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE				
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1500 KIND OF CROP - GRAPES PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 600 FIRE AFTER IMPACT				
					KIND OF OPERATION - DUSTING CROPS TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - MOUNTAINOUS SWATH RUN-HOW FLOWN - WIND CALM	

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1859	6/17/79 TIME - 1045	PASO ROBLES,CA	RENSEN B8M N1450 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 67, 259 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
<p>NAME OF AIRPORT - PASO ROBLES DEPARTURE POINT PASO ROBLES,CA INTENDED DESTINATION UNKNOWN/NOT REPORTED TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT COLLISION WITH GROUND/WATER UNCONTROLLED PHASE OF OPERATION TAKEOFF INITIAL CLIMB IN FLIGHT UNCONTROLLED DESCENT</p>						
<p>PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED REMARKS- PREVIOUS HARD LNDGS RESULTED W CONTROL RODS BEING BENT & STRAIGHTENED IN THE FIELD.</p>						
3-2032	6/19/79 TIME - 1500	KERMAN,CA	BFL 47G-2 N7893B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 35, 15500 TOTAL HOURS, 450 IN TYPE, INSTRUMENT RATED.
<p>DEPARTURE POINT KERMAN,CA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING</p>						
<p>PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND</p>						
<p>SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1300 KIND OF CROP - COTTON GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED ELEVATION-AREA BEING TREATED-FEET - 200 REMARKS- AVOIDING WIRES.</p>						
<p>KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - WIND CALM</p>						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2031	6/25/79 TIME - 1700	NR.YUBA CITY,CA	HUGHES 369HS N9268F DAMAGE-SUBSTANTIAL	CR- 0 1 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	COMMERCIAL, FL.INSTR., AGE 32, 6200 TOTAL HOURS, 1125 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT YUBA CITY,CA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
	TYPE OF ACCIDENT HARD LANDING					
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE					
	FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS					
	REMARKS- IP WAS DEMONSTRATING A LOW LVL AUTOROTATIVE LNDG					
3-2010	7/6/79 TIME - 0745	NR.ESCONDIDO,CA	BELL 47G-5 N7914S DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 44, 2198 TOTAL HOURS, 1350 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT VISTA,CA	INTENDED DESTINATION LOCAL			PHASE OF OPERATION IN FLIGHT POWER-ON DESCENT	
	TYPE OF ACCIDENT COLLIDED WITH TREES					
	PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					
	FACTOR(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING					
	WEATHER - FOG WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED					
	SKY CONDITION OVERCAST				CEILING AT ACCIDENT SITE 50	
	VISIBILITY AT ACCIDENT SITE 1/4 MILE OR LESS				PRECIPITATION AT ACCIDENT SITE NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG				TEMPERATURE-F 50	
	TYPE OF WEATHER CONDITIONS IFR				TYPE OF FLIGHT PLAN NONE	
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED				KIND OF OPERATION - FERRY	
	KIND OF CROP - UNKNOWN/NOT REPORTED				TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED	
	PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED				GLOVES - USED	
	GOGGLES - USED				CRASH HELMET - AVAILABLE USED	
	COCKPIT CRASHPAD - NOT INSTALLED				CRASH BAR - NOT INSTALLED	
	TANK/HOPPER-LOCATION - SIDES				TERRAIN-TYPE - LEVEL,FLAT	
	REMARKS- COLLIDED W AVOCADO TREE.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1854	7/19/79	OXNARD, CA	HILLER ACFT FH1100 N5064F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 31, 1663 TOTAL HOURS, 582 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - OXNARD DEPARTURE POINT OXNARD, CA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - MISCELLANEOUS FOREIGN OBJECT DAMAGE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. FIRE AFTER IMPACT REMARKS- SHOP TOWEL IN COMPRESSOR.						
3-1737	7/26/79	BRIDGEPORT, CA	ENSTRON F-28C N593H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 44, 4445 TOTAL HOURS, 351 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT BRIDGEPORT, CA INTENDED DESTINATION LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION LANDING POWER-ON LANDING PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SUSPECTED MECHANICAL DISCREPANCY SKY CONDITION CLEAR CEILING AT ACCIDENT SITE UNLIMITED VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) PRECIPITATION AT ACCIDENT SITE NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TEMPERATURE-F 50 WIND VELOCITY-KNOTS CALM TYPE OF WEATHER CONDITIONS VFR TYPE OF FLIGHT PLAN NONE REMARKS- DENSITY ALT APPROX 8100 FT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1791	8/2/79 TIME - 0610	SALINAS,CA	BELL 47G-2A N2817B DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 55, 9730 TOTAL HOURS, 1010 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - SALINAS DEPARTURE POINT SALINAS,CA TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	INTENDED DESTINATION SALINAS,CA				PHASE OF OPERATION IN FLIGHT SWATH RUN		
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 9000 KIND OF CROP - LETTUCE PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 84				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			
3-3068	9/14/79 TIME - 1210	LONG BEACH,CA	BELL 47J-2 N930NR DAMAGE-DESTROYED	CR- PX-	1 4	0 0	0 0	COMMERCIAL NS CTR PASSG	COMMERCIAL, AGE 29, 4200 TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LONG BEACH,CA TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE		
		PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE REMARKS- TAIL ROTOR BLADE(PN 47-642-102)FAILED.FATIGUE CRACK ORIGINATED ON INSIDE DIAM OF GRIP SEC.							
3-2773	9/23/79 TIME - 0900	NR.GREENFIELD,CA	BELL 47G2 N5783 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 35, 6000 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT GREENFIELD,CA TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT HARD LANDING	INTENDED DESTINATION GREENFIELD,CA				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING		
		PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT TERRAIN - WET,SOFT GROUND EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- STABILIZER BAR FAILED IN FLIGHT,NOT FOUND.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2635	10/17/79 TIME - 1700	MENDOTA, CA	HILLER UH-12F N4414 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 37, 7575 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT MENDOTA, CA		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT COLLISION WITH GROUND/WATER		UNCONTROLLED		PHASE OF OPERATION TAKEOFF INITIAL CLIMB TAKEOFF INITIAL CLIMB	
	PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS MISCELLANEOUS ACTS, CONDITIONS - FRAYED MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND		TAIL ROTOR PITCH CONTROL SYSTEM DIRECTIONAL CONTROL PROBLEM			
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2500 KIND OF CROP - COTTON PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - FORWARD OF PILOT ELEVATION-AREA BEING TREATED- FEET - 160				KIND OF OPERATION - DEFOLIATION (LIQUID) 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	
	REMARKS- T/R PITCH CTL CABLE FAILED.					
3-2900	12/12/79 TIME - 0315	WOODLAKE, CA	ENSTROM F-28A N521H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 41, 1884 TOTAL HOURS, 27 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT WOODLAKE, CA		INTENDED DESTINATION DELANO, CA			
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				PHASE OF OPERATION TAKEOFF VERTICAL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.					
	FACTOR(S) WEATHER - FOG WEATHER BRIEFING - UNKNOWN/NOT REPORTED					
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE 1/4 MILE OR LESS OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG WIND VELOCITY-KNOTS CALM TYPE OF FLIGHT PLAN NONE				CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 35 TYPE OF WEATHER CONDITIONS IFR	
	REMARKS- COLLIDED W PWR LINES.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0455	1/3/79 TIME - 1445	NR.LONGMONT,CO	HUGHES 500A N90876 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	2 DUAL	INSTRUCTIONAL DUAL	ATP, FLIGHT INSTR., AGE 30, 4467 TOTAL HOURS, 26 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT JEFFERSON COUNTY	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
3-0324	1/21/79 TIME - 0950	NR.MARBLE,CO	HUGHES 500D N8306F DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 2	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 30, 2660 TOTAL HOURS, 98 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT CRESTED BUTTE,CO	INTENDED DESTINATION MARBLE,CO						
		TYPE OF ACCIDENT COLLIDED WITH SNOWBANK						PHASE OF OPERATION TAXI AERIAL TAXI TO/FROM LANDING	
		PROBABLE CAUSE(S) PILOT IN COMMAND - BECAME LOST/DISORIENTED MISCELLANEOUS ACTS, CONDITIONS - WHITEOUT FACTOR(S) TERRAIN - SNOW-COVERED REMARKS- COMPANY FLT FOLLOWING.							
3-3382	5/30/79 TIME - 0310	IDAHO SPRNGS,CO	AEROSPATIAL SA319B N48085 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL OTHER	COMMERCIAL, AGE 41, 6533 TOTAL HOURS, 62 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DENVER,CO	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
		PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT REMARKS- AIR AMBULANCE. PLT FOLLOWING PATROL CAR W LIGHTS ON FOR REFERENCE THRU MTN AREA IN DARK.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1540	6/12/79	ECKLEY,CO	HUGHES 269C N7472F	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 43, 8875 TOTAL HOURS, 425 IN TYPE, INSTRUMENT RATED.
	TIME - 1345		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT		INTENDED DESTINATION			
	ECKLEY,CO		HOLYOKE,CO			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT NORMAL CRUISE	
	ROLL OVER				LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	POWERPLANT - ENGINE STRUCTURE VALVE ASSEMBLIES					
	MISCELLANEOUS ACTS,CONDITIONS - MISSING					
	MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - SUNGLARE					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- ENGINE EXHAUST VALVE MISSING ON NUMBER 3 CYL.					
3-2183	6/13/79	NR.MONTROSE,CO	HILLFR UH-12L N5349V	CR- 0 0 1 PX- 0 0 2	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 48, 10387 TOTAL HOURS, 310 IN TYPE, INSTRUMENT RATED.
	TIME - 1055		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT		INTENDED DESTINATION			
	MONTROSE,CO		MONTROSE,CO			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ROLL OVER				STATIC OTHER	
	PROBABLE CAUSE(S)					
	PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER					
	PILOT IN COMMAND - EXERCISED POOR JUDGMENT					
	FACTOR(S)					
	TERRAIN - HIGH OBSTRUCTIONS					
	REMARKS- PASSENGER HIT CYCLIC WHILE BOARDING DURING A HOVER WITH ONE SKID ON THE GROUND.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1528	7/12/79 TIME - 0900	VINELAND,CO	HUGHES 269A N8764F DAMAGE-SUBSTANTIAL INTENDED DESTINATION VINELAND,CO	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 1605 TOTAL HOURS, 266 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT VINELAND,CO TYPE OF ACCIDENT HARD LANDING				PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION WEATHER - UNFAVORABLE WIND CONDITIONS					
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN NONE				CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 270 TYPE OF WEATHER CONDITIONS VFR	
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1605 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 - 4700 PROCEDURE TURNAROUND - THIRD 1/3 TURN REMARKS- SETTling INTO WIRES.				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	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3372	7/24/79	NR. LONGMONT, CO	HILLER 12F N400AH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 37, 3807 TOTAL HOURS, 225 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LONGMONT, CO	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT SWATH RUN IN FLIGHT SWATH RUN	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING				
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION				
		FACTOR(S) POWERPLANT - POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE MISCELLANEOUS ACTS, CONDITIONS - STUCK COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 3700 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 - 5000				
					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 - LEVEL, FLAT SWATH RUN-HOW FLOWN - WIND CALM	
3-3342	7/26/79	FT COLLINS, CO	BELL 206B-3 N500RL DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 52, 125 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - WAVERLY DEPARTURE POINT FT COLLINS, CO	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT HARD LANDING				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3279	8/3/79	GREELEY,CO	BELL 47G N72487 DAMAGE-SUBSTANTIAL	CR- 0	0	1	COMMERCIAL AERIAL APPLICATION	ATP, FLIGHT INSTR., AGE 30, 2457 TOTAL HOURS, 420 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - BUD UHRICH STRIP						
		DEPARTURE POINT		INTENDED DESTINATION				
		GREELEY,CO		LOCAL				
		TYPE OF ACCIDENT		PHASE OF OPERATION				
		ENGINE FAILURE OR MALFUNCTION		IN FLIGHT STARTING SWATH RUN				
		COLLIDED WITH CROP		LANDING LEVEL OFF/TOUCHDOWN				
		PROBABLE CAUSE(S)						
		POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS						
		FACTOR(S)						
		TERRAIN - HIGH VEGETATION						
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
		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 - FAILED ON IMPACT			GLOVES - 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 - 4650			
		SWATH RUN-HOW FLOWN - WIND CALM						
		REMARKS- SPRAYING CYGON.						
3-2616	8/17/79	NR.RICO,CO	BELL 47G3B1 N73963 DAMAGE-DESTROYED	CR- 1	0	0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT		INTENDED DESTINATION				
		RICO,CO		LOCAL				
		TYPE OF ACCIDENT		PHASE OF OPERATION				
		PROPELLER/ROTOR FAILURE		IN FLIGHT CLIMB TO CRUISE				
		COLLIDED WITH TREES		IN FLIGHT UNCONTROLLED DESCENT				
		PROBABLE CAUSE(S)						
		ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY						
		ROTORCRAFT - ROTOR ASSEMBLIES BEARINGS						
		MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
		FACTOR(S)						
		TERRAIN - HIGH OBSTRUCTIONS						
		REMARKS- INBOARD ROLLER BEARING FAILED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1874	6/24/79	RIDGEFIELD, CT	BELL 47D-1 N4250A	CR-	0	0	1	COMMERCIAL, AGE 42, 2539 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0750		DAMAGE-SUBSTANTIAL	PX-	0	0	1	
		NAME OF AIRPORT - DANBURY						
		DEPARTURE POINT	INTENDED DESTINATION					
		MAHOPAC, NY	RIDGEFIELD, CT					
		TYPE OF ACCIDENT						PHASE OF OPERATION
		ENGINE FAILURE OR MALFUNCTION						IN FLIGHT OTHER
		COLLISION WITH GROUND/WATER CONTROLLED						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 - ICF INDUCTION						
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING						
		FACTOR(S)						
		WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING						
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
		WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED						
		WEATHER FORECAST - UNKNOWN/NOT REPORTED						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SKY CONDITION						CEILING AT ACCIDENT SITE
		BROKEN						5000
		VISIBILITY AT ACCIDENT SITE						PRECIPITATION AT ACCIDENT SITE
		5 OR OVER (UNLIMITED)						NONE
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE						TEMPERATURE-F
		NONE						57
		WIND DIRECTION-DEGREES						WIND VELOCITY-KNOTS
		330						4
		TYPE OF WEATHER CONDITIONS						TYPE OF FLIGHT PLAN
		VFR						NONE
		REMARKS- AUTOROTATIVE LNDG INTO A PVT PARKING LOT. FLT QUER DENSELY WOODED AREA W FEW LNDG AREAS AVAILABLE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0365	1/7/79 TIME - 1630	OPA LOCKA,FL	BELL 47G N2AR DAMAGE-DESTROYED	CR- PX-	0 0	0 0	1 SOLO	INSTRUCTIONAL SOLO	PRIVATE, AGE 28, 236 TOTAL HOURS, 30 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - OPA LOCKA		INTENDED DESTINATION		PHASE OF OPERATION					
DEPARTURE POINT		LOCAL		TAXI			GROUND TAXI, OTHER		
TYPE OF ACCIDENT		COLLISION WITH GROUND/WATER		CONTROLLED					
PROBABLE CAUSE(S)									
PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS									
FACTOR(S)									
WEATHER - UNFAVORABLE WIND CONDITIONS									
SKY CONDITION				CEILING AT ACCIDENT SITE					
CLEAR				UNLIMITED					
VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE					
5 OR OVER (UNLIMITED)				NONE					
OBSTRUCTIONS TO VISION AT ACCIDENT SITE				WIND DIRECTION-DEGREES					
NONE				130					
WIND VELOCITY-KNOTS				TYPE OF WEATHER CONDITIONS					
15				VFR					
TYPE OF FLIGHT PLAN									
NONE									
REMARKS- WIND GUSTING TO 25KTS.									
3-1480	1/17/79 TIME - 1015	OPA LOCKA,FL	SIKORSKY HH52A USCG1376 DAMAGE-DESTROYED	CR- PX- OT-	4 0 1	0 0 0	0 OTHER PUBLIC 0	MISCELLANEOUS	AIRLINE TRANSPORT, AGE 32, 4049 TOTAL HOURS, 1583 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - OPA LOCKA AIRPORT		INTENDED DESTINATION		PHASE OF OPERATION					
DEPARTURE POINT		LOCAL		LANDING			POWER-ON LANDING		
OPA LOCKA,FL									
TYPE OF ACCIDENT		COLLISION WITH AIRCRAFT		BOTH IN FLIGHT					
PROBABLE CAUSE(S)									
PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT									
PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT									
PERSONNEL - TRAFFIC CONTROL PERSONNEL ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS									
PERSONNEL - TRAFFIC CONTROL PERSONNEL INADEQUATE SPACING OF AIRCRAFT									
SPECIAL DATA									
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-US MILITARY									
FIRE AFTER IMPACT									

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1480	1/17/79 TIME - 1015	OPA LOCKA, FL	BFL 47G2 N2873R DAMAGE-DESTROYED	CR- 1 PX- 0 OT- 4	0 0 0	0 0 0	INSTRUCTIONAL SOLO	STUDENT, AGE 31, 36 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - OPA LOCKA AIRPORT	INTENDED DESTINATION				PHASE OF OPERATION	
		DEPARTURE POINT OPA LOCKA, FL	LOCAL				TAKEOFF INITIAL CLIMB	
		TYPE OF ACCIDENT COLLISION WITH AIRCRAFT BOTH IN FLIGHT						
PROBABLE CAUSE(S)								
PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT								
PERSONNEL - MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT								
PERSONNEL - TRAFFIC CONTROL PERSONNEL ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS								
PERSONNEL - TRAFFIC CONTROL PERSONNEL INADEQUATE SPACING OF AIRCRAFT								
SPECIAL DATA								
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-US MILITARY								
3-0450	1/27/79 TIME - 1900	NR.ANDYTOWN, FL	HUGHES 269C N7450F DAMAGE-DESTROYED	CR- 1 PX- 1	0 0	0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 23, 684 TOTAL HOURS, 151 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ANDYTOWN, FL	INTENDED DESTINATION LOCAL				PHASE OF OPERATION	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED				IN FLIGHT NORMAL CRUISE	
PROBABLE CAUSE(S)								
PILOT IN COMMAND - MISJUDGED ALTITUDE								
FACTOR(S)								
PILOT IN COMMAND - PHYSICAL IMPAIRMENT								
WEATHER - RAIN								
SKY CONDITION				CEILING AT ACCIDENT SITE				
OVERCAST				UNKNOWN/NOT REPORTED				
VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE				
5 OR OVER (UNLIMITED)				RAIN				
OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS				
UNKNOWN/NOT REPORTED				VFR				
TYPE OF FLIGHT PLAN								
NONE								
REMARKS- DARK NIGHT. 0.3MG/100 ML METHAQUALONE DRUG LEVEL FOUND IN BLOOD.								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3159	1/29/79 TIME - 1520	NR.HOMESTEAD,FL	HILLER UH-12E N527HA DAMAGE-DESTROYED	CR- PX-	0 0	1 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 36, 13657 TOTAL HOURS, 650 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - PORT-A-PORT DEPARTURE POINT HOMESTEAD,FL TYPE OF ACCIDENT COLLIDED WITH BUILDING(S)	INTENDED DESTINATION LOCAL				PHASE OF OPERATION TAKEOFF VERTICAL	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED						
		REMARKS- PLT REPORTED CONTROL MALF AFTR LIFT-OFF.NO EVIDENCE OF MECH FAILURE FOUND.						
3-0560	2/14/79 TIME - 1610	NR.KISSIMMEE,FL	BELL 47J-2A N8567F DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 33, 3491 TOTAL HOURS, 1675 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT KISSIMMEE,FL TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	INTENDED DESTINATION LOCAL TAIL ROTOR				PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM						
		REMARKS- BONDING OF FORWARD SPLINE COUPLING TO FORWARD SHORT SHAFT,P/N 47-644-180-9,FAILED.						
3-1242	2/24/79 TIME - 1630	NR.TAMPA,FL	BELL 206R N16884 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 44, 1461 TOTAL HOURS, 337 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT TAMPA,FL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1681	3/25/79	NR.MIAMI,FL	BELL 47G N514SF DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 2	COMMERCIAL OTHER	COMMERCIAL, FL.INSTR., AGE 69, 9000 TOTAL HOURS, 700 IN TYPE, NOT INSTPU- MENT RATED.
<p>NAME OF AIRPORT - WATSON ISLAND DEPARTURE POINT INTENDED DESTINATION MIAMI,FL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER TAKEOFF VERTICAL</p> <p>PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE CLEAR UNLIMITED VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE WIND VELOCITY-KNOTS NONE 20 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE</p> <p>REMARKS- CONDUCTING SIGHTSEEING TOURS.WIND GUSTS TO 30KTS.</p>						
3-1940	4/13/79	CLEARWATER,FL	BELL 47-D1 N68632 DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, AGE 37, 564 TOTAL HOURS, 68 IN TYPE, NOT INSTRUMENT RATED.
<p>NAME OF AIRPORT - CLEARWATER EXEC DEPARTURE POINT INTENDED DESTINATION CLEARWATER,FL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-ON LANDING ROLL OVER LANDING POWER-ON LANDING</p> <p>PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS</p>						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2092	4/24/79	NR. PALATKA, FL	BELL 47G3 N49882 DAMAGE-DESTROYED	CR-	0	1	0	COMMERCIAL	COMMERCIAL, AGE 33, 7600 TOTAL HOURS, 485 IN TYPE, UNK/NR INSTRUMENT RATED.
	TIME - 0600		INTENDED DESTINATION PALATKA, FL						
	DEPARTURE POINT HASTINGS, FL								
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE		TAIL ROTOR					PHASE OF OPERATION IN FLIGHT SWATH RUN	
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE		TAIL ROTOR BLADES						
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 4174 KIND OF CROP - POTATOES PILOT'S SEAT BELT - FASTENED-PROPERLY CRASH HELMFT - AVAILABLE USED CRASH BAR - NOT INSTALLED SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED							KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED ELEVATION-AREA BEING TREATED- FEET - 52	
	REMARKS- FAILURE OF ROTOR BLADES.								
3-0792	5/6/79	NR. MULBERRY, FL	RENSEN GYRO B-8M N6820A DAMAGE-SUBSTANTIAL	CR-	1	0	0	NONCOMMERCIAL	NO CERTIFICATE, AGE 59, 1252 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1440			PX-	0	0	0	PLEASURE/PERSONAL TRANSP	
	NAME OF AIRPORT - CIRCLE X DEPARTURE POINT MULBERRY, FL		INTENDED DESTINATION UNKNOWN/NOT REPORTED					LAST ENROUTE STOP UNKNOWN/NOT REPORTED	
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE		MAIN ROTOR					PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION ROTORCRAFT - ROTOR ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE		IMPROPER MAINTENANCE (OWNER PERSONNEL) MAIN ROTOR HEAD ASSEMBLIES						
	FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT								
	REMARKS- M/R CONTROL ROD FAILED.								
3-0969	5/26/79	TAMPA, FL	BRANTLY B-2B N22824 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	PRIVATE, AGE 52, 2936 TOTAL HOURS, 18 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1340			PX-	0	0	0	PLEASURE/PERSONAL TRANSP	
	NAME OF AIRPORT - PRIVATE HELIPORT DEPARTURE POINT TAMPA, FL		INTENDED DESTINATION SARASOTA, FL						
	TYPE OF ACCIDENT ROLL OVER							PHASE OF OPERATION TAKEOFF VERTICAL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN								
	FACTOR(S) TERRAIN - WET, SOFT GROUND								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2096	8/20/79	WINTER PARK, FL	HUGHES 269B N9393F DAMAGE-NONE	CR-	0	0	1	INSTRUCTIONAL	AJP, FLIGHT INSTR., AGE 54, 5894 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
	TIME - 1600			PX-	0	0	0	DUAL	
				OT-	0	1	0		
		NAME OF AIRPORT - GILBERT FIELD							
		DEPARTURE POINT	INTENDED DESTINATION						
		WINTER PARK, FL	WINTER PARK, FL						
		TYPE OF ACCIDENT						PHASE OF OPERATION	
		PROPELLER/ROTOR ACCIDENT TO PERSON						STATIC IDLING ROTORS	
		PROBABLE CAUSE(S)							
		PERSONNEL - MISCELLANEOUS-PERSONNEL OTHER							
		REMARKS- BLDG CONTRACTOR WALKED INTO T/R BLADE.							
3-3702	8/30/79	TAMIA MI, FL	HUGHES 269A N8797F DAMAGE-DESTROYED	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, FL. INSTR., AGE 37, 2860 TOTAL HOURS, 810 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1715			PX-	0	0	1	PLEASURE/PERSONAL TRANSP	
		NAME OF AIRPORT - TAMIA MI							
		DEPARTURE POINT	INTENDED DESTINATION						
		TAMIA MI, FL	LOCAL						
		TYPE OF ACCIDENT						PHASE OF OPERATION	
		GEAR COLLAPSED						LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S)							
		AIRFRAME - LANDING GEAR SKID ASSEMBLY							
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE							
		MISCELLANEOUS ACTS, CONDITIONS - GROUND RESONANCE							
		REMARKS- PLT RPRTD-L REAR STRUT DAMPER ASSEMBLY BROKE DRG TOUCHDOWN & ACFT WENT INTO GND RESONANCE.							
3-2581	9/7/79	ROTONDA, FL	BELL 206B N500GH DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE 54, 9003 TOTAL HOURS, 1952 IN TYPE, INSTRUMENT RATED.
	TIME - 1103			PX-	0	0	3	CORP/EXEC	
		NAME OF AIRPORT - ROTONDA							
		DEPARTURE POINT	INTENDED DESTINATION						
		ROTONDA, FL	LOCAL						
		TYPE OF ACCIDENT						PHASE OF OPERATION	
		COLLIDED WITH WIRES/POLES						TAKEOFF VERTICAL	
		PROBABLE CAUSE(S)							
		PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING							
		PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS							

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3132	9/19/79 TIME - 0910	JACKSONVILLE,FL	HUGHES 369HS N8623F DAMAGE-DESTROYED	CR-	1	0	0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 50, 8043 TOTAL HOURS, 215 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - BERLIN HELIPORT DEPARTURE POINT ST AUGUSTINE,FL TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	INTENDED DESTINATION JACKSONVILLE,FL					PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED							
3-3904	10/2/79 TIME - 1500	NR.PEMBRROKE PINES,FL	BELL 206B N2759R DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, FL INSTR., AGE 41, 3040 TOTAL HOURS, 725 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT OPA-LOCKA,FL TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION BOCA RATON,FL					PHASE OF OPERATION LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE							
3-2438	10/23/79 TIME - 0800	NR.DAVENPORT,FL	SIKORSKY S-55 N95761 DAMAGE-DESTROYED	CR-	1	0	0	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 39, 4000 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LOUGHMAN,FL TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT	INTENDED DESTINATION DAVENPORT,FL					PHASE OF OPERATION LANDING FINAL APPROACH	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT REMARKS- MAIN TRANSMISSION SUPPORT ASSY SEPARATED DRG FLT.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3903	11/10/79 TIME - 1610	WINTER HAVEN, FL	HUGHES 269B N9393F DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0			INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 57, 8615 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - GILBERT DEPARTURE POINT WINTER HAVEN, FL TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) DUAL STUDENT - MISJUDGED SPEED AND ALTITUDE PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
3-2461	8/7/79 TIME - 1930	MONTEZUMA, GA	HUGHES 269C N7422F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 29, 3556 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MONTEZUMA, GA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN IN FLIGHT STARTING SWATH RUN	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2400 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 - 389 REMARKS- LINEAR ACTUATOR CABLE SEPARATED AT BELT SPRING ASSEMBLY DISENGAGING ENGINE FROM TRANSMISSION.					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			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2465	9/1/79	NR.HAHIRA,GA	BELL 47D1 N908R DAMAGE-DESTROYED	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 29, 1550 TOTAL HOURS, 550 IN TYPE, INSTRUMENT RATED.
	TIME - 1900							
	DEPARTURE POINT HAHIRA		INTENDED DESTINATION RETURN					
	TYPE OF ACCIDENT ROLL OVER						PHASE OF OPERATION IN FLIGHT FLAREOUT FOR SWATH RUN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.							
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 355 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 - 200						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	
3-3673	12/10/79	SEA ISLAND,GA	BELL 206B N59530 DAMAGE-SUBSTANTIAL	CR- 0 0 1			MISCELLANEOUS TEST	COMMERCIAL, AGE 35, 5866 TOTAL HOURS, 62 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1650							
	DEPARTURE POINT ST.SIMONS ISLAND.GA		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) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
3-0658	3/28/79	NR.HONOLULU,HI	ENSTRON F-28C N623H DAMAGE-DESTROYED	CR- 0 0 1			COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 34, 554 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
	TIME - 1315							
	NAME OF AIRPORT - ILIKAI HELI PAD DEPARTURE POINT HONOLULU,HI		INTENDED DESTINATION LOCAL					
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED						PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- LOW SLOW FLT FOR PHOTO MISSION.ACFT SETTLED WITH POWER INTO OCEAN.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1077	5/23/79	NR.LIHUE,HI	HILLER ACFT UH-12E N155HA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 30, 5649 TOTAL HOURS, 1002 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT LIHUE,HI	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT EN ROUTE TO RELOADING 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 OPERATION - DUSTING CROPS			
KIND OF CROP - OTHER			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			ELEVATION-AREA BEING TREATED-FEET - 500			
REMARKS- HIT PWR LINES.DUSTING SUGAR CANE.						
3-3830	8/1/79	MAKAWAO,MAUI,HI	HUGHES 369D N8687E DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 1 0	COMMERCIAL OTHER	COMMERCIAL, FL.INSTR., AGE 36, 3580 TOTAL HOURS, 78 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT HOSMER JUNCTION,HI	INTENDED DESTINATION MAKAWAO,MAUI,HI		PHASE OF OPERATION IN FLIGHT HOVERING	
		TYPE OF ACCIDENT COLLIDED WITH OBJECT				
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE						
SKY CONDITION CLEAR			CEILING AT ACCIDENT SITE UNLIMITED			
VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 78			
TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE			
REMARKS- EXTERNAL LOAD OPERATIONS. TAIL ROTOR STRUCK MOUNTAIN RIDGE. ACFT EXCEED HOVER WT LIMITS BY 271LBS.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1321	8/9/79 TIME - 0805	WAILUKU MAUI, HI	HILLER 12E N9047R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0			COMMERCIAL AERIAL APPLICATION	AIRLINE TRANSPORT, AGE 33, 3995 TOTAL HOURS, 185 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT WAILUKU MAUI, HI	INTENDED DESTINATION WAILUKU MAUI, HI				PHASE OF OPERATION IN FLIGHT SWATH RUN	
		TYPE OF ACCIDENT COLLIDED WITH TREES						
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE						
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1 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 - 100					KIND OF OPERATION - SPRAYING CROPS 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	
3-2869	10/19/79 TIME - 1250	NR. PEARL CITY, HI	BFL 47D1 N234R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1			NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 27, 669 TOTAL HOURS, 57 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT HONOLULU, HI	INTENDED DESTINATION LOCAL				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						
		PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE VALVE ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - WARPED PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
		FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NO 3 EXHAUST VLV, PN 19302, WARPED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0466	3/31/79	ST JOE NAT EST, ID	HILLER ACFT UH-12E N87893	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 43, 1105 TOTAL HOURS, 730 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1400		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT KINGSTON, ID		INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER	
	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					
	FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS					
	REMARKS- NO ENG MALFUNCTION FOUND.					
3-0890	5/12/79	NR. GOODING, ID	HUGHES 269B N9497F	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 30, 1038 TOTAL HOURS, 509 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1100		DAMAGE-DESTROYED			
	DEPARTURE POINT GOODING, ID		INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND	
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.					
	FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE					
	SKY CONDITION CLEAR				CEILING AT ACCIDENT SITE UNLIMITED	
	VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 65	
	TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE	
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 375				KIND OF OPERATION - SPRAYING CROPS	
	KIND OF CROP - GRAIN FIELDS				TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NUNTOXIC	
	PILOT'S SEAT BELT - FASTENED-PROPERLY				GLOVES - NOT USED	
	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 - 3500				SWATH RUN-HOW FLOWN - CROSSWIND	
	PROCEDURE TURNAROUND - THIRD 1/3 TURN					
	REMARKS- DENSITY ALT 4500FT.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1774	5/21/79	NR.ST MARIES,ID	HUGHES 369HS N922MB DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 0 0	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 34, 2355 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT POST FALLS,ID	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT HOVERING	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED			
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED				
		SKY CONDITION SCATTERED			CEILING AT ACCIDENT SITE UNLIMITED	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 69	
		WIND DIRECTION-DEGREES 290			WIND VELOCITY-KNOTS 9	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE	
		REMARKS- DA APRX 7700FT.				
3-2676	10/8/79	NR.SWAN VALLEY,ID	AEROSPATIAL SA315B N219RM DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 32, 3534 TOTAL HOURS, 597 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT SWAN VALLEY,ID	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
		TYPE OF ACCIDENT COLLIDED WITH OBJECT				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE				
		FACTOR(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT				
		REMARKS- SNAGGED SLING IN TREES.OBLITERATIVE ARTERIOSCLEROSIS,LEFT CORONARY ARTERY.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2845	11/26/79	NR.STANLFY,ID	HILLER ACFT UH-12E N571H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 30, 7026 TOTAL HOURS. 483 IN TYPE, NOT INSTRU- MENT RATED.		
		DEPARTURE POINT STANLFY,ID	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING POWER-OFF AUTOROTATIVE LANDING					
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - FUEL SYSTEM FUEL CONTROL MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY SECURED MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION						
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- R NUT FITTINGS LOOSE.						
3-1132	4/2/79	PEKIN,IL	HUGHES 369D N8629F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 1 0 0	COMMERCIAL MAPPING/PHOTO	ATP,FLIGHT INSTR., AGE 40, 6484 TOTAL HOURS, 1410 IN TYPE, NOT INSTRU- MENT RATED.		
		DEPARTURE POINT SPRING BOY,IL	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION IN FLIGHT LOW PASS				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING REMARKS- PIC INTENTIONALLY ATTEMPTED FLT UNDER PWR LINES.						
3-1630	5/19/79	FLANAGAN,IL	HUGHES 269B N9323F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL SOLO	STUDENT, AGE 35, 33 TOTAL HOURS, 19 IN TYPE, NOT INSTRUMENT RATED.		
		DEPARTURE POINT FLANAGAN,IL	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLIDED WITH OBJECT	PHASE OF OPERATION TAKEOFF VERTICAL					
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS REMARKS- COLLIDED W/FUEL STORAGE TANK.						

RIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1259	7/20/79	ROCKFORD,IL	LACH/RFENSEN RBM NR447 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 62, 174 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - ROCKFORD DEPARTURE POINT INTENDED DESTINATION ROCKFORD,IL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER CONTROLLED TAKEOFF INITIAL CLIMB PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION REMARKS- ACFT FLOWN NOSE HIGH ATTITUDE AFT TAKEOFF TURN TO AVOID STRIKING POWER LINE.						
3-3521	7/22/79	NR.ROCKFORD,IL	RENSON R-8M N65232 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 32, 130 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GREATER ROCKFORD DEPARTURE POINT INTENDED DESTINATION ROCKFORD,IL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE PROPELLER LANDING TRAFFIC PATTERN-CIRCLING PROPELLER/ROTOR FAILURE MAIN ROTOR LANDING TRAFFIC PATTERN-CIRCLING PROBABLE CAUSE(S) POWERPLANT - PROPELLER AND ACCESSORIES OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS - FOREIGN OBJECT DAMAGE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT REMARKS- PROP SEP & HIT MAIN ROTOR GLAND NUT,VW PN 111-105305E,FAILED BETWEEN PROP HUB & VW ENG CRANKSHAFT.						
3-3662	7/23/79	ROCKFORD,IL	SCORPION TDD N36JR DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 41, 402 TOTAL HOURS, 71 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - SELFRIGE PARK DEPARTURE POINT INTENDED DESTINATION ROCKFORD,IL LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE MAIN ROTOR TAKEOFF VERTICAL COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-OFF AUTOROTATIVE LANDING PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR PULLEYS,BELTS MISCELLANEOUS ACTS,CONDITIONS - VIBRATION,EXCESSIVE MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPY. REMARKS- 3 OF 8 ENG DRIVE BELTS FOUND TWISTED & NOT SEATED IN ENG DRIVE PULLEY.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1816	7/23/79	FLANAGAN,IL	BRANTLY R-2R N2283U DAMAGE-SUBSTANTIAL	CR- 0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 40, 374 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1120		INTENDED DESTINATION UNKNOWN/NOT REPORTED					
			DEPARTURE POINT UNKNOWN/NOT REPORTED					
			TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				PHASE OF OPERATION IN FLIGHT CLEANUP SWATH	
			PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS					
			SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED				KIND OF OPERATION - SPRAYING CROPS	
			KIND OF CROP - BEANS				TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
			PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED				GLOVES - USED	
			GOGGLES - NOT USED				CRASH HELMET - AVAILABLE-NOT USED	
			COCKPIT CRASHPAD - NOT INSTALLED				CRASH BAR - NOT INSTALLED	
			TANK/HOPPER-LOCATION - SIDES				TERRAIN-TYPE - ROLLING	
			ELEVATION-AREA BEING TREATED- FEET - 680				SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED	
3-0338	2/5/79	KENDALLVILLE,IN	BRANTLY R2R N2285U DAMAGE-SUBSTANTIAL	CR- 0	0	1	INSTRUCTIONAL SOLO	PRIVATE, AGE 20, 101 TOTAL HOURS, 18 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1645		INTENDED DESTINATION KENDALLVILLE,IN LOCAL					
			NAME OF AIRPORT - KENDALLVILLE MUNI					
			DEPARTURE POINT KENDALLVILLE,IN					
			TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED				PHASE OF OPERATION TAXI AERIAL TAXI TO/FROM LANDING	
			PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT					
			REMARKS- PLT STATED LOOKED AT WATCH WHILE HOVERING,GAINED ALT AND STARTED SPINNING.					
3-1127	5/17/79	WESTFIELD,IN	RELL 47J2 N51711 DAMAGE-SUBSTANTIAL	CR- 0	0	1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 57, 14150 TOTAL HOURS, 204 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0745		INTENDED DESTINATION LOCAL					
			NAME OF AIRPORT - WESTFIELD					
			DEPARTURE POINT WESTFIELD,IN					
			TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
			PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY					
			MISCELLANEOUS ACTS,CONDITIONS - MISSING					
			EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
			REMARKS- MISSING SNAP RING IN DRIVE COUPLING AT FIRST STATION AFT OF MAIN TRANSMISSION.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1237	5/28/79 TIME - 1836	INDIANAPOLIS, IN	BELL 206-11 N27554 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 33, 5571 TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - METHODIST HPTL PD DEPARTURE POINT INDIANAPOLIS, IN TYPE OF ACCIDENT COLLIDED WITH FENCE, FENCEPOSTS	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING FINAL APPROACH	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE				
3-2232	7/20/79 TIME - 1530	SOLITUDE, IN	TEXAS HELI OH-13 N51847 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL ASSOC CRDP CTL ACTIVITY	COMMERCIAL, AGE 39, 3100 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT MT VERNON, IN TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT	INTENDED DESTINATION MAHOMET, IL		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES OTHER MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY SECURED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT REMARKS- SPRAY BOOMS NOT SECURED PROPERLY. FERRY FLIGHT. SPRAY BOOM STRUCK MAIN ROTOR.				

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2754	6/28/79	WELLMAN, IA	HUGHES 269B N9416F DAMAGE-SUBSTANTIAL	CR- 0	0	1	COMMERCIAL	COMMERCIAL, AGE 26, 437
	TIME - 1400		DAMAGE-SUBSTANTIAL	PX- 0	0	0	AERIAL APPLICATION	TOTAL HOURS, 97 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT WELLMAN, IA		INTENDED DESTINATION 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) POWERPLANT - IGNITION SYSTEM SPARK PLUG MISCELLANEOUS ACTS, CONDITIONS - CARBON DEPOSITS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 95 KIND OF CROP - BEANS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 720 PROCEDURE TURNAROUND - THIRD 1/3 TURN REMARKS- SPARK PLUGS FOULED. ENG RAN NORMAL AFTER PLUGS CLEANED.						KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - UPWIND	
3-1553	7/3/79	NR. ANTHON, IA	BELL 47-G2 NR57 DAMAGE-DESTROYED	CR- 0	0	1	COMMERCIAL	COMMERCIAL, AGE 28, 351
	TIME - 0845		DAMAGE-DESTROYED	PX- 0	0	0	AERIAL APPLICATION	TOTAL HOURS, 75 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT ANTHON, IA		INTENDED DESTINATION LOCAL					
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED						PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - MISCALCULATED FUEL CONSUMPTION MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 11 KIND OF CROP - PASTURE PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED- FEET - 1250 PROCEDURE TURNAROUND - THIRD 1/3 TURN						KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - WIND CALM	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2740	9/25/79	NR. PIERSON, IA	BELL 47G-3B N8471F DAMAGE-SUBSTANTIAL	CR-	0	1	0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 762 TOTAL HOURS, 135 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PIERSON, IA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						PHASE OF OPERATION IN FLIGHT SWATH RUN	
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS							
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 135 KIND OF CROP - CORN PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 1320						KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - WIND CALM	
		REMARKS- STRUCK POWER LINES.							
3-3624	12/7/79	NR. BAXTER, IA	AEROSPATLE 319B N90825 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 4083 TOTAL HOURS, 366 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT BAXTER, IA	INTENDED DESTINATION DES MOINES, IA						
		TYPE OF ACCIDENT MISCELLANEOUS HARD LANDING						PHASE OF OPERATION IN FLIGHT HOVERING LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED							
		EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT SUSPECTED MECHANICAL DISCREPANCY AIRFRAME BUFFT							
		REMARKS- PLT RPRTD-CYCLIC CONTROL HARDOVER DRG STABILIZED HOVER AT 5FT. ROTOR BLADE HIT TAIL BOOM DRG LNDG.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3055	12/4/79 TIME - 1350	NR. GARDEN CITY, KS	HUGHES 269C N7481F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 69, 2505 TOTAL HOURS, 505 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT GARDEN CITY, KS	INTENDED DESTINATION LOCAL		PHASE OF OPERATION TAKEOFF VERTICAL	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS				
		SKY CONDITION CLEAR			CEILING AT ACCIDENT SITE UNLIMITED	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 67	
		WIND DIRECTION-DEGREES 225			WIND VELOCITY-KNOTS 20	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE	
		REMARKS- WND GUSTING 30KTS.				
3-0584	3/12/79 TIME - 1610	RUSSELLVILLE, KY	BELL 47G4 N121RW DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 31, 3026 TOTAL HOURS, 2626 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT RUSSELLVILLE, KY	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT DESCENDING IN FLIGHT AUTOROTATIVE DESCENT	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING				
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS, CONDITIONS - ANTI-ICING/DEFICING EQUIPMENT-IMPROPER OPERATION OF/OR FAILED TO USE MISCELLANEOUS ACTS, CONDITIONS - ICE-CARBURETOR PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) WEATHER - CONDITIONS CONDUCIVE TO CARR./INDUCTION SYSTEM ICING COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-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 (UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 55	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3401	5/16/79	NR.SHELBYVILLE,KY	ENSTRON F-28-C N559H	CR- PX-	0 0	0 0	1 0	MISCELLANEOUS FERRY	PRIVATE, AGE 47, 6930 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DESTIN,FL	DAMAGE-SUBSTANTIAL INTENDED DESTINATION COLUMBUS,OH					LAST ENROUTE STOP BARDSTOWN,KY	
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR					PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT DIRECTIONAL CONTROL PROBLEM							
3-0731	3/5/79	LA PLACE,LA	SIKORSKY S-58 N46755	CR- PX-	0 0	0 0	2 0	COMMERCIAL OTHER	COMMERCIAL, AGE 36, 6475 TOTAL HOURS, 2447 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LA PLACE,LA	DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES						PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - HIGH VEGETATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ACFT NOT RECOVERED,IN TREES 30FT AGL IN SNAKE INFESTED SWAMP.							
3-3107	4/12/79	NR.CAMERON,LA	BELL 206B N59627	CR- PX-	0 0	0 0	1 2	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 36, 2654 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT GRAN CHENIER,LA	DAMAGE-SUBSTANTIAL INTENDED DESTINATION CAMERON,LA						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	UNCONTROLLED					PHASE OF OPERATION LANDING FINAL APPROACH LANDING FINAL APPROACH	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS 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- PWR LOSS DRG APCH TO PLATFORM,UN TO STOP DESCENT.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1807	4/28/79	NR. CAMERON, LA	BELL 206L N16779 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 38, 3332 TOTAL HOURS, 1366 IN TYPE, INSTRUMENT RATED.
	TIME - 0928		DEPARTURE POINT INTERCOASTAL CITY, LA			
			INTENDED DESTINATION HIGH ISLAND 309			
			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 - COMPRESSOR ASSEMBLY BLADE, COMPRESSOR ROTOR POWERPLANT - MISCELLANEOUS FOREIGN OBJECT DAMAGE MISCELLANEOUS ACTS, CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS			
			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- FOREIGN OBJECT UNDETERMINED, PLT UNABLE TO USE FULL COLLECTIVE DUE TO INTERFERENCE BY SURVIVE POUCH			
3-0884	5/17/79	SORRENTO, LA	BELL 206B N203AL DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 4626 TOTAL HOURS, 2662 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1000		DEPARTURE POINT NEW ORLEANS, LA			
			INTENDED DESTINATION ST FRANCISVILLE, LA			
			TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
			PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION			
			EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND			
			REMARKS- DRIVESHAFT ASSEMBLY, PART 206040-100-13, FAILED DUE TO LOSS OF GREASE FROM FORWARD BOOT.			

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2100	6/3/79	NR.MORGAN CITY,LA	BELL 206B N14852	CR-	0	1	0	COMMERCIAL	COMMERCIAL, AGE 39, 3050 TOTAL HOURS, 970 IN TYPE, INSTRUMENT RATED.
	TIME - 0635		DAMAGE-DESTROYED	PX-	0	2	1	AIR TAXI-PASSG	
		DEPARTURE POINT MORGAN CITY,LA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH OBJECT						PHASE OF OPERATION LANDING POWER-ON LANDING LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S) POWERPLANT - TURBINE ASSEMBLY BLADE,TURBINE WHEEL MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T. REMARKS- COLLIDED WITH OFFSHORE LANDING PLATFORM							
3-1809	6/12/79	NR.VENICE,LA	BELL 206B N16710	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 48, 3725 TOTAL HOURS, 925 IN TYPE, INSTRUMENT RATED.
	TIME - 0615		DAMAGE-SUBSTANTIAL	PX-	0	0	4	AIR TAXI-PASSG	
		NAME OF AIRPORT - PHI HELIPORT DEPARTURE POINT VENICE,LA	INTENDED DESTINATION SP 62 OFFSHORE PLATE						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						PHASE OF OPERATION TAKEDOFF INITIAL CLIMB LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS 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- SKIDS POPOUT FLOATS AND ENGINE OPERATED SATISFACTORILY AFTER ACCIDENT.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1006	6/17/79 TIME - 1530	NR. BELL ROSE, LA	BELL 206B N4830 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL POWER/PIPELINE	AIRLINE TRANSPORT, AGE 35, 1391 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CANE AIR	INTENDED DESTINATION	PHASE OF OPERATION		
		DEPARTURE POINT BELL ROSE, LA	BATON ROUGE, LA	LANDING FINAL APPROACH		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S)						
POWERPLANT - FUEL SYSTEM PUMPS						
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION						
FACTOR(S)						
TERRAIN - WET, SOFT GROUND						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- FUEL PUMP DRIVE SHAFT, P/N 102-1416-01, SPLINE END SHOWED EXCESSIVE WEAR.						
3-1412	7/17/79 TIME - 1230	CUT OFF, LA	BELL 206B N4715R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 1 2 4	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, AGE 25, 3300 TOTAL HOURS, 710 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CUT OFF, LA	INTENDED DESTINATION LOCAL	PHASE OF OPERATION IN FLIGHT HOVERING		
		TYPE OF ACCIDENT ROLL OVER				
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
3-1417	7/28/79 TIME - 0800	PLAUCHEVILLE, LA	BELL 47WASP N38092 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 26, 1306 TOTAL HOURS, 16 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PLAUCHEVILLE, LA	INTENDED DESTINATION LOCAL	PHASE OF OPERATION		
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN		TAKEOFF INITIAL CLIMB LANDING ROLL-ON/RUN-ON		
PROBABLE CAUSE(S)						
POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS						
TERRAIN - HIGH VEGETATION						
PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
SUSPECTED MECHANICAL DISCREPANCY						
REMARKS- LOST PWR AFTER LIFT-OFF FROM WORK SITE. LANDED IN SOYBEAN FLD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1423	7/31/79	NR. PLAUCHEVILLE, LA	BELL 47G-2A N166 DAMAGE-DESTROYED	CR- 0 0 1			COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 33, 3580 TOTAL HOURS, 1864 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PLAUCHEVILLE, LA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING ROLL-ON/RUN-ON LANDING ROLL-ON/RUN-ON	
		TYPE OF ACCIDENT COLLIDED WITH CROP ROLL OVER						
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
		FACTOR(S) TERRAIN - HIGH VEGETATION MISCELLANEOUS ACTS, CONDITIONS - POORLY PLANNED APPROACH						
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 2800 KIND OF CROP - BEANS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES					KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT	
		REMARKS- PILOT LET ROTOR RPM GET LOW ON LANDING. SPRAY BOOM CAUGHT IN BEANS. AIRCRAFT INVERTED						
3-2191	8/8/79	NR. INTRACSTL CITY, LA	BELL 206R N90171 DAMAGE-SUBSTANTIAL	CR- 0 0 1			MISCELLANEOUS FERRY	COMMERCIAL, AGE 28, 957 TOTAL HOURS, 93 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - VERMILION BLK 39A DEPARTURE POINT INTRACSTL CITY, LA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION TAXI OTHER	
		TYPE OF ACCIDENT ROLL OVER						
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT						
		REMARKS- ROLLED OVER ON HELIPORT AFTER PLT OPENED DOOR FOR VENTILATION & WAS WATCHING MECH. COMP FLT PLAN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1811	8/11/79 TIME - 1320	MR. MORGAN CITY, LA	BELL 206B N5018F DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0			NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 40, 3139 TOTAL HOURS, 802 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT SO MARSH IS BLOCK 23	INTENDED DESTINATION MORGAN CITY, LA				PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED						
		PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - SPATIAL DISORIENTATION						
		FACTOR(S) WEATHER - THUNDERSTORM ACTIVITY WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED						
		SKY CONDITION UNKNOWN/NOT REPORTED					CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED	
		VISIBILITY AT ACCIDENT SITE UNKNOWN/NOT REPORTED					PRECIPITATION AT ACCIDENT SITE UNKNOWN/NOT REPORTED	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE UNKNOWN/NOT REPORTED					TYPE OF WEATHER CONDITIONS IFR	
		TYPE OF FLIGHT PLAN NONE						
3-2510	8/19/79 TIME - 1915	LAFAYETTE, LA	BELL 47G-4A N1400W DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0			INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 33, 2508 TOTAL HOURS, 235 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - INDUSTRIAL AIRPAR						
		DEPARTURE POINT LAFAYETTE, LA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING POWER-ON LANDING	
		TYPE OF ACCIDENT HARD LANDING						
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
		REMARKS- FLOAT EQUIPPED.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2942	9/6/79	HACKBERRY, LA	BELL 47G-4A N7104J	CR- 0 0 1			COMMERCIAL	COMMERCIAL, AGE 37, 2042 TOTAL HOURS, 122 IN TYPE. NOT INSTRUMENT RATED.
	TIME - 1045		DAMAGE-SUBSTANTIAL	PX- 0 0 2			OTHER	
		DEPARTURE POINT GUN COVE, LA	INTENDED DESTINATION HACKBERRY, LA					
		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 - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION						
		FACTOR(S) TERRAIN - WET, SOFT GROUND COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- SOIL SURVEY. LANDED IN MARSH AREA W SMALL SHRUBS.						
3-2511	9/18/79	PATTERSON, LA	BELL 206B N155AL	CR- 0 0 1			NONCOMMERCIAL	COMMERCIAL, AGE 51, 4819 TOTAL HOURS, 678 IN TYPE. INSTRUMENT RATED.
	TIME - 1240		DAMAGE-SUBSTANTIAL	PX- 0 0 0			CORP/EXEC	
		NAME OF AIRPORT - OFFSHORE HELIPORT DEPARTURE POINT PATTERSON, LA	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLIDED WITH FENCE, FENCEPOSTS					PHASE OF OPERATION TAXI AERIAL TAXI, OTHER	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- TAIL ROTOR STRUCK GUARD RAIL DRG HOVER.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2099	9/25/79	NR. MORGAN CITY, LA	BELL 212 N49673	CR- 0 0 1			COMMERCIAL	AIRLINE TRANSPORT, AGE 31, 3838 TOTAL HOURS, 186 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0930		DAMAGE-SUBSTANTIAL	PX- 0 0 1			AIR TAXI-PASSG	
		NAME OF AIRPORT - PMI 6 SHIP SOAL						
		DEPARTURE POINT	INTENDED DESTINATION					
		MORGAN CITY, LA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLIDED WITH OBJECT					TAXI AERIAL TAXI TO/FROM LANDING	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - MISJUDGED CLEARANCE						
		FACTOR(S)						
		MISCELLANEOUS ACTS, CONDITIONS - DISREGARD OF GOOD OPERATING PRACTICE						
		WEATHER - UNFAVORABLE WIND CONDITIONS						
		SKY CONDITION					CEILING AT ACCIDENT SITE	
		CLEAR					UNLIMITED	
		VISIBILITY AT ACCIDENT SITE					PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER (UNLIMITED)					NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE					WIND DIRECTION-DEGREES	
		HAZE					360	
		WIND VELOCITY-KNOTS					TYPE OF WEATHER CONDITIONS	
		20					VFR	
		TYPE OF FLIGHT PLAN						
		NONE						
		REMARKS- COLLIDED WITH LANDING PLATFORM DURING REVERSE HOVER. WIND GUSTING TO 25KTS.						
3-2937	10/9/79	LAKE CHARLES, LA	BELL 206L N5018N	CR- 0 0 1			NONCOMMERCIAL	COMMERCIAL, AGE 32, 4188 TOTAL HOURS, 81 IN TYPE, INSTRUMENT RATED.
	TIME - 0733		DAMAGE-DESTROYED	PX- 0 0 0			CORP/EXEC	
		DEPARTURE POINT	INTENDED DESTINATION					
		LAKE CHARLES, LA	SULFUR, LA					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION					IN FLIGHT NORMAL CRUISE	
		PROBABLE CAUSE(S)						
		POWERPLANT - TURBINE ASSEMBLY WHEEL TURBINE						
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		FIRE AFTER IMPACT						
		REMARKS- NO. 1 TURBINE, PN 6898991, SN 51956, FAILED. ACFT DESTROYED BY FIRE AFTER SAFE LNDG.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3320	10/11/79 TIME - 1008	ARREVILLE, LA	HUGHES 369D N58240 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 33, 2586 TOTAL HOURS, 354 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - ARREVILLE	INTENDED DESTINATION			
		DEPARTURE POINT ARREVILLE, LA	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 - COMPRESSOR ASSEMBLY SHAFT, ROTOR						
MISCELLANEOUS ACTS, CONDITIONS - FRICTION, EXCESSIVE						
MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED						
MISCELLANEOUS ACTS, CONDITIONS - DISTORTED						
FACTOR(S)						
TERRAIN - ROUGH/UNEVEN						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- TURBINE TO COMPRESSOR COUPLING TWISTED & BULGED AGAINST INNER COUPLING SHAFT.						
3-2944	11/29/79 TIME - 0725	NR. INTRACSTL CITY, LA	SIKORSKY S-76A N476AL DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 35, 6580 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PATTERSON, LA	INTENDED DESTINATION SABINE, TX			
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE			
PROBABLE CAUSE(S)						
AIRFRAME - FUSELAGE OTHER						
MISCELLANEOUS - FOREIGN OBJECT DAMAGE						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						
REMARKS- LEFT COWL ASSEMBLY, ENG AIR INLET, PN 76302-67001-055, COLLIDED W ROTOR BLADES & RGT HRZNTL STAB.						

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2940	12/19/79 TIME - 0940	WESTWEGD.LA	HUGHES 369D N58270 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 40, 2318 TOTAL HOURS, 274 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT WESTWEGD.LA	INTENDED DESTINATION LOCAL							
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR						PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC.EQUIPMENT MISCELLANEOUS ACTS.CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS								
	FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS.CONDITIONS - AIRCRAFT CAME TO REST IN WATER								
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SUSPECTED OR KNOWN AIRCRAFT DAMAGE DIRECTIONAL CONTROL PROBLEM								
	REMARKS- EXTERNAL LOAD(EMPTY SLING IN BUNDLE)BECAME UNRAVELED & STRUCK TAIL ROTOR.								
3-3024	12/26/79 TIME - 1140	NR.INTRACSTL CY.LA	AFROSPATLE AS-350 N3594B DAMAGE-SUBSTANTIAL	CR-	0	1	0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 36, 4974 TOTAL HOURS, 102 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - VERMILION 329 DEPARTURE POINT INTRACSTL CY.LA	INTENDED DESTINATION HOUMA.LA							
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED						PHASE OF OPERATION TAKEOFF VERTICAL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.								
	FACTOR(S) MISCELLANEOUS ACTS.CONDITIONS - AIRCRAFT CAME TO REST IN WATER								
	REMARKS- PLT STATED-DID NOT RESET PARTIALLY RETARDED PWR LEVER PRIOR TO TKOF.								
3-2227	8/4/79 TIME - 1920	MARS HILL,ME	BENSON B8MVH N1182 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 58, 151 TOTAL HOURS, 81 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - MARS HILL DEPARTURE POINT MARS HILL,ME	INTENDED DESTINATION LOCAL							
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH CROP							PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS								
	FACTOR(S) TERRAIN - HIGH VEGETATION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE								
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2203	9/17/79 TIME - 1820	GAITHERSBURG, MD	HUGHES 269B N9482F DAMAGE-SUBSTANTIAL	CR-	0	0	2	INSTRUCTIONAL	ATP, FLIGHT INSTR., AGE 46, 5547 TOTAL HOURS, 197 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - MONTGOMERY COUNTY DEPARTURE POINT GAITHERSBURG, MD TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION LOCAL					PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN							
		REMARKS-	PRACTICE FULL AUTOROTATION, BOTH PLTS ON CTLS, PULLED AFT CYCLIC AFTER T/D, MN ROTOR SEVERED TAILBOOM						
3-0157	2/17/79 TIME - 1200	NEWBERRY, MI	BELL 47-G2 N2866R DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 43, 2000 TOTAL HOURS, 661 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT NEWBERRY, MI TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES	INTENDED DESTINATION NEWBERRY, MI					PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (OWNER PERSONNEL) POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS MISCELLANEOUS ACTS, CONDITIONS - IMPROPER GRADE OIL-LUBRICATING SYSTEM MISCELLANEOUS ACTS, CONDITIONS - OIL STARVATION EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
3-1022	5/19/79 TIME - 1350	NR. MIDDLEVILLE, MI	BELL 47D-1 N64580 DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS	COMMERCIAL, AGE 28, 363 TOTAL HOURS, 22 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ATTICA, OH TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING	INTENDED DESTINATION HART, MI					LAST ENROUTE STOP HASTINGS, MT PHASE OF OPERATION IN FLIGHT FLAREOUT FOR SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) PILOT IN COMMAND - BECAME LOST/DISORIENTED MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION FACTOR(S) PERSONNEL - RULES, REGULATIONS, STANDARDS PERSONNEL COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- HELD ASSEMBLED FROM SPARE PARTS. CERTIFICATED W/O FUEL GAGE. GAGE INSTALLED BUT NOT CONNECTED.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2288	6/24/79 TIME - 1530	ALBION, MI	ENSTRON F-28A N4883 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 50, 518 TOTAL HOURS, 203 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT ALBION, MI		INTENDED DESTINATION MARSHALL, MI		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
	TYPE OF ACCIDENT HARD LANDING					
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED					
3-1748	6/24/79 TIME - 1815	PONTIAC, MI	HUGHES 269A NRR63F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL. INSTR., AGE 35, 1381 TOTAL HOURS, 32 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - OAKLAND PONTIAC		INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING TRAFFIC PATTERN-CIRCLING LANDING POWER-OFF AUTOROTATIVE LANDING	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER					
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS					
	FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	REMARKS- HEL LND IN GRAVEL PIT & SLID DWN INCLINE. PLT STATED DAMAGE OCCURRED WHEN HEL SLID TO STOP.					
3-1772	8/16/79 TIME - 1200	NR. HART, MI	RELL 47G-2 N4734S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 47, 5688 TOTAL HOURS, 649 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT HART, MI		INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND	
	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 - 300 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 - 910 PROCEDURE TURNAROUND - THIRD 1/3 TURN					
	REMARKS- COLLIDED W PWR LINE WHILE SPRAYING CUCUMBERS.					
	KIND OF OPERATION - SPRAYING CRUPS 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 - CROSSWIND					

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2294	8/20/79	GROSSE ILE,MI	HUGHES 369H5 N9034F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 43, 105 TOTAL HOURS, 66 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - GROSSE ILE	INTENDED DESTINATION	PHASE OF OPERATION					
		DEPARTURE POINT PONTIAC,MI	GROSSE ILE,MI	TAXI GROUND TAXI FROM LANDING					
		TYPE OF ACCIDENT COLLIDED WITH BUILDING(S)							
		PROBABLE CAUSE(S)							
		PILOT IN COMMAND - MISJUDGED CLEARANCE							
		MISCELLANEOUS ACTS,CONDITIONS - DISREGARD OF GOOD OPERATING PRACTICE							
		REMARKS- HANGER DOOR & 2 AIRCRAFT DAMAGED. STU PLT ATTEMPTED TO REPOSITION ACFT INSIDE HANGER.							
3-2298	8/30/79	STANTON,MI	SIKORSKY S-55B N6737 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 32, 4165 TOTAL HOURS, 1581 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT STANTON,MI	INTENDED DESTINATION LOCAL	PHASE OF OPERATION					
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR HARD LANDING		IN FLIGHT EN ROUTE TO TREAT CROP LANDING LEVEL OFF/TOUCHDOWN					
		PROBABLE CAUSE(S)							
		PERSONNEL - MAINTENANCE, SERVICING, INSPECTION	INADEQUATE MAINTENANCE AND INSPECTION						
		ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM	MAIN ROTOR BRAKE ASSEMBLY						
		MISCELLANEOUS ACTS,CONDITIONS - LOOSE,PART/FITTING							
		MISCELLANEOUS ACTS,CONDITIONS - MISSING							
		MISCELLANEOUS ACTS,CONDITIONS - VIBRATION,EXCESSIVE							
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND	SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
			AIRFRAME BUFFET						
		SPECIAL DATA							
		TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED	KIND OF OPERATION - SPRAYING CROPS						
		KIND OF CROP - POTATOES	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 - AFT OF PILOT	TERRAIN-TYPE - LEVEL,FLAT						
		ELEVATION-AREA BEING TREATED- FEET - 600							
		REMARKS- 7 OF 8 NUTS & WASHERS MISSING FROM COUPLING BETWEEN BRAKE DRUM,P/N 314-35-3116,& DRIVE SHAFT.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2407	9/3/79 TIME - 1504	FLINT, MI	HUGHES 269B N9310F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	MISCELLANEOUS OTHER	COMMERCIAL, FL. INSTR., AGE 30, 1652 TOTAL HOURS, 600 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FLINT, MI	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER	
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR		LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- DROPPING MINIATURE PARACHUTES. PAX ATTEMPTED TO SEPARATE BUNDLE. CHUTES BLEW OUT INTO DRIVE SHAFT.				
3-2739	6/11/79 TIME - 1400	ST. PAUL, MN	SCORPION II N711RJ DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 19, 488 TOTAL HOURS, 24 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ST. PAUL, MN	INTENDED DESTINATION LOCAL		PHASE OF OPERATION TAKEOFF VERTICAL	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES			LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - ENGINE STRUCTURE CYLINDER ASSEMBLY POWERPLANT - IGNITION SYSTEM MAGNETOS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENG-ROTORWAYS, MDL 133, W/O CARB HEAT, CORROSION IN MAG & CYLS. COMPRESSION LEAK. ACFT NOT AIRWORTHY.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2721	7/2/79	NR.WILLMAR,MN	HUGHES 269C N744RF DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 23, 438 TOTAL HOURS, 429 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - TRAILER HELIPAD				
		DEPARTURE POINT		INTENDED DESTINATION		
		WILLMAR,MN		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						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - GROUND RESONANCE						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED			KIND OF OPERATION - SPRAYING CROPS			
TYPE OF CROP - CORN			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 - AFT OF PILOT			TERRAIN-TYPE - LEVEL,FLAT			
ELEVATION-AREA BEING TREATED-FEET - 1100						
REMARKS- ACFT NOT CERTIFICATED FOR SPRAYING.						
3-2723	9/2/79	NR.ST.PETER,MN	RELL 47G-2 N59H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 31, 779 TOTAL HOURS, 549 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - HOLMBERG FARM PAD				
		DEPARTURE POINT		INTENDED DESTINATION		
		ST.PETER,MN		LOCAL		
		TYPE OF ACCIDENT		PHASE OF OPERATION		
		ROLL OVER		TAKEOFF VERTICAL		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS						
WEATHER - UNFAVORABLE WIND CONDITIONS						
SKY CONDITION			CEILING AT ACCIDENT SITE			
CLEAR			UNLIMITED			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
5 OR OVER(UNLIMITED)			NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F			
NONE			81			
WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS			
315			15			
TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN			
VFR			NONE			
REMARKS- WIND GUSTING TO 25KTS.						

BRRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1031	5/1/79	NR.DREW,MS	HILLER UH120 N48313 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 27, 1648 TOTAL HOURS, 117 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - RULFVILL-DREW				
		DEPARTURE POINT DREW,MS	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 - 117			KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - COTTON			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			TERRAIN-TYPE - LEVEL,FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 130			SWATH RUN-HOW FLOWN - WIND CALM	
3-1957	6/8/79	PARCHMAN,MS	BELL 47D N4227A DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 30, 3305 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PARCHMAN,MS	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR COLLISION WITH GROUND/WATER CONTROLLED			PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CROP IN FLIGHT EN ROUTE TO TREAT CROP	
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE						
SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 700			KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - RICE			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
		GLOVES - NOT USED			GOGGLES - NOT USED	
		CRASH HELMET - AVAILABLE USED			COCKPIT CRASHPAD - NOT INSTALLED	
		CRASH BAR - NOT INSTALLED			TANK/HOPPER-LOCATION - SIDES	
		TERRAIN-TYPE - LEVEL,FLAT				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1270	7/10/79	LAMBERT,MS	TOMCAT MK-5A N9099T DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 55, 23600 TOTAL HOURS, 1385 IN TYPE, NOT INSTRUMENT RATED.		
		NAME OF AIRPORT - DUSTER STRIP	INTENDED DESTINATION			PHASE OF OPERATION		
		DEPARTURE POINT LAMBERT,MS	LOCAL			TAKEOFF - VERTICAL		
		TYPE OF ACCIDENT ROLL OVER						
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 9999				KIND OF OPERATION - SPRAYING CROPS		
		KIND OF CROP - RICE				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 - LEVEL,FLAT		
		REMARKS- PLT REPORTED APPARENTLY OVERLOADED FOR EXISTING CONDITIONS.						
3-1177	5/17/79	CHESTERFIELD,MO	BFL 47G-2 N96194 DAMAGE-SUBSTANTIAL	CR- 0 2 0 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 36, 608 TOTAL HOURS, 521 IN TYPE, NOT INSTRU- MENT RATED.		
		NAME OF AIRPORT - SPIRIT ST LOUIS	INTENDED DESTINATION			PHASE OF OPERATION		
		DEPARTURE POINT CHESTERFIELD,MO	LOCAL			LANDING POWER-OFF AUTOROTATIVE LANDING		
		TYPE OF ACCIDENT HARD LANDING						
		PROBABLE CAUSE(S) DUAL STUDENT - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
3-0855	5/25/79	KANSAS CITY,MO	HUGHES 269A N8864F DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 1	MISCELLANEOUS DEMONSTRATION	ATP,FLIGHT INSTR., AGE 57, 10486 TOTAL HOURS, 48 IN TYPE, INSTRUMENT RATED.		
		NAME OF AIRPORT - K.C.DOWNTOWN	INTENDED DESTINATION			PHASE OF OPERATION		
		DEPARTURE POINT KANSAS CITY,MO	LOCAL			STATIC IDLING ROTORS		
		TYPE OF ACCIDENT AIRFRAME FAILURE ON GROUND						
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION AIRFRAME - LANDING GEAR SKID ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - PRESSURE TOO LOW MISCELLANEOUS ACTS,CONDITIONS - GROUND RESONANCE REMARKS- TWO FORWARD STRUTS CONTAINED LESS THAN 50PSI AIR PRESSURE.						

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1367	7/15/79	MOUNTAIN GROVE, MO	BENSEN GYRO N47814	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 35, 59 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1615		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT MOUNTAIN GROVE, MO		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT STALL MUSH				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED					
	FACTOR(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT					
3-3046	12/2/79	ST. LOUIS, MO	FNSTRÖM F-28A N4896	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 34, 1840 TOTAL HOURS, 211 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1200		DAMAGE-SUBSTANTIAL			
	NAME OF AIRPORT - ARROWHEAD DEPARTURE POINT ST. LOUIS, MO		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT HARD LANDING				PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.					
	REMARKS- PLT STATED-DEMONSTRATING AUTOROTATION.					
3-1214	4/19/79	NR. DARRY, MT	BELL 214B-1 N226RM	CR- 2 0 0 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 42, 5114 TOTAL HOURS, 1745 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1345		DAMAGE-DESTROYED			
	DEPARTURE POINT DARBY, MT		INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT				PHASE OF OPERATION IN FLIGHT OTHER	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC.					
	MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.					
	FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - JETTISONED LOAD					
	MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT					
	REMARKS- EXTERNAL LOAD OVER MAX GROSS WT. PLT JETTISONED LOG, M/R BLADES FLEXED INTO & SEPARATED TAIL BOOM.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1335	5/21/79	NR.BELGRADE,MT	SCORPION II N133RW	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 23, 190 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 2030		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT	CHURCHILL,MT	INTENDED DESTINATION		PHASE OF OPERATION	
	TYPE OF ACCIDENT		LOCAL		IN-FLIGHT LOW PASS	
	ENGINE FAILURE OR MALFUNCTION				LANDING, LEVEL OFF/TOUCHDOWN	
	NOSE OVER/DOWN					
	PROBABLE CAUSE(S)					
	PERSONNEL - MAINTENANCE,SERVICING,INSPECTION					
	IMPROPERLY SERVICED AIRCRAFT (OWNER-PILOT)					
	MISCELLANEOUS ACTS,CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL					
	PILOT IN COMMAND - EXERCISED POOR JUDGMENT					
	MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING					
	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- CRASHED IN RIVER.					
3-2415	6/25/79	NR.FMIGRANT,MT	BELL 47G381 N3078G	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 36, 12300 TOTAL HOURS, 3071 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1630		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT	FMIGRANT,MT	INTENDED DESTINATION		PHASE OF OPERATION	
	TYPE OF ACCIDENT		LOCAL		IN FLIGHT NORMAL CRUISE	
	ENGINE FAILURE OR MALFUNCTION				LANDING POWER-OFF AUTOROTATIVE LANDING	
	HARD LANDING					
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING					
	MISCELLANEOUS ACTS,CONDITIONS - WATER IN FUEL					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE					
	TERRAIN - WET,SOFT GROUND					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- LANDED IN SWAMP					

RIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-4011	8/24/79	NR.HAMILTON,MT	KAMAN HH-43F N4524 DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 25, 1710 TOTAL HOURS, 1010 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - LOGGING SITE						
DEPARTURE POINT		INTENDED DESTINATION				
HAMILTON,MT		LOCAL				
TYPE OF ACCIDENT				PHASE OF OPERATION		
ENGINE FAILURE OR MALFUNCTION				IN FLIGHT HOVERING		
COLLIDED WITH TREES				LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S)						
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM ENGINE DRIVE SHAFT						
MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY						
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- PWRSHAFT,PN 1-100-620-01,FAILED.FATIGUE CRACK END IN AREA OF HVY WEAR.						
3-1591	8/28/79	ABSARONKEE,MT	BELL 206B N5013C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 25, 1150 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT		INTENDED DESTINATION				
ABSARONKEE,MT		LOCAL				
TYPE OF ACCIDENT				PHASE OF OPERATION		
MISCELLANEOUS				IN FLIGHT HOVERING		
PROBABLE CAUSE(S)						
PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL DEFICIENCY,COMPANY MAINTAINED EQPMT,SERVICES,REGULATION						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - JETTISONED LOAD						
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT						
SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
REMARKS- UNINFORMED PLT FLEW OVER DYNAMITE BLAST,LND OK. COMPANY RADIO TO ACFT WAS AVAIL. HAD SLING LOAD.						
3-3292	12/29/79	NASHUA,MT	SCORPTON 133 NONE DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 31, 18 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NASHUA						
DEPARTURE POINT		INTENDED DESTINATION				
NASHUA,MT		LOCAL				
TYPE OF ACCIDENT				PHASE OF OPERATION		
COLLISION WITH GROUND/WATER UNCONTROLLED				IN FLIGHT UNCONTROLLED DESCENT		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS						
FIRE AFTER IMPACT						
REMARKS- UNCERTIFICATED ACFT.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0909	4/28/79	YORK,NE	AEROSPATLE 341G N341FR DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 32, 550 TOTAL HOURS, ALL IN TYPE, INSTRUMENT RATED.
	TIME - 1251								
		NAME OF AIRPORT - YORK MUNI							
		DEPARTURE POINT LINCOLN,NE	INTENDED DESTINATION YORK,NE						
		TYPE OF ACCIDENT HARD LANDING					PHASE OF OPERATION LANDING POWER-ON LANDING		
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS							
		REMARKS- PLT STATED DEVELOPED SETTLING W PWR CONDITION.							
3-2698	7/27/79	NR.SHELTON,NE	HUGHES 269C N58320 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 46, 5000 TOTAL HOURS. 400 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1600								
		DEPARTURE POINT WOODRIVER,NE	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT ROLL OVER					PHASE OF OPERATION IN FLIGHT HOVERING		
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.							
		FACTOR(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT							
		REMARKS- INSPECTING CROPS.							
3-1322	7/28/79	NR.AUBURN,NE	ENSTRON F28C N51717 DAMAGE-SUBSTANTIAL	CR-	0	0	2	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 44, 5950 TOTAL HOURS, 653 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 1245								
		DEPARTURE POINT AUBURN,NE	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED					PHASE OF OPERATION IN FLIGHT SWATH RUN		
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 5200 KIND OF CROP - CORN GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED ELEVATION-AREA BEING TREATED- FEET - 1000					KIND OF OPERATION - OTHER PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT		
		REMARKS- POLLINATING CORN.							

BRIFES OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0046	1/4/79 TIME - 1530	NR.MINDEN,NV	HUGHES 369C N9141F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 28, 2548 TOTAL HOURS, 600 IN TYPE. NOT INSTRUMENT RATED.
		NAME OF AIRPORT - DOUGLAS COUNTY				
		DEPARTURE POINT	INTENDED DESTINATION			
		MINDEN,NV	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		HARD LANDING			TAXI AERIAL TAXI, OTHER	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - MISJUDGED ALTITUDE				
		REMARKS- PRACTICE HOVERING AUTOROTATION.				
3-3504	7/14/79 TIME - 1500	NR.MONTELLLO,NV	BELL 47G3B1 N1335X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS OTHER	COMMERCIAL, AGE 41, 9300 TOTAL HOURS, 6000 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		MONTELLLO,NV	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLIDED WITH OBJECT			IN FLIGHT HOVERING	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - MISJUDGED CLEARANCE				
		FACTOR(S)				
		TERRAIN - HIGH OBSTRUCTIONS				
		MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE				
		REMARKS- T/R BLADE STRUCK UNK OBJECT.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2386	8/31/79	DUCKWATER,NV	ENSTROM 280C N562H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 42, 134 TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DUCKWATER,NV	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED	PHASE OF OPERATION LANDING GO-AROUND		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND						
FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE						
SKY CONDITION CLEAR				CEILING AT ACCIDENT SITE UNLIMITED		
VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE		
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 80		
WIND DIRECTION-DEGREES 160				WIND VELOCITY-KNOTS 10		
TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE		
REMARKS- LOST ENG & ROTOR RPM.DENSITY ALT APRX 7600FT.						
3-3698	9/8/79	CARSON CITY,NV	ENSTROM 280C N554H DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 42, 150 TOTAL HOURS, 100 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CARSON CITY				
		DEPARTURE POINT CARSON CITY,NV	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION		PHASE OF OPERATION TAKEOFF INITIAL CLIMB		
		HARD LANDING		LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) POWERPLANT - MISCELLANFOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING						
FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.						
SKY CONDITION CLEAR				CEILING AT ACCIDENT SITE UNLIMITED		
VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE		
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				RELATIVE BEARING OF WIND UNKNOWN/NOT REPORTED		
WIND DIRECTION-DEGREES 225				WIND VELOCITY-KNOTS 25		
TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE		
REMARKS- WITNESS ESTD HEL WAS TRAVELING 50MPH DRG TOUCHDOWN.WND GUSTING 40KTS.						

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2957	11/7/79	NR. WELLS, NV	AEROSPATILE 315R N35937 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 36, 4340 TOTAL HOURS, 652 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WELLS, NV	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT HOVERING LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT MISCELLANEOUS HARD LANDING				
		PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS MISCELLANEOUS ACTS, CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS FIRE AFTER IMPACT				
		REMARKS- STRINGING PWR LINE. ATTACHING DEVICE FAILED ALLOWING PULL LINE TO SNAP BACK, WRAP ARND ROTOR BLADES.				
3-3885	11/24/79	MINA, NV	BELL 47G3B1 N11102 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS OTHER	COMMERCIAL, AGE 34, 2977 TOTAL HOURS, 5 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT MINA, NV	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING OTHER	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		REMARKS- CATTLE ROUNDUP. PLT ATTEMPTED FLARE TO SLOW ACFT DOWN DURING LNDG.				
3-3170	9/11/79	MERRIMACK, NH	BELL 206B N90022 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 4	NONCOMMERCIAL BUSINESS	AIRLINE TRANSPORT, AGE 33, 4315 TOTAL HOURS, 2461 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - MERRIMACK HELI DEPARTURE POINT MERRIMACK, NH	INTENDED DESTINATION MAYNARD, MA		PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM FUEL CONTROL MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE FACTOR(S) TERRAIN - OTHER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		REMARKS- HELICOPTER CRASHED IN POND NR HELIPOINT. PC LINE FAILED AT FUEL CONTROL.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1876	3/2/79 TIME - 1430	SEASIDE PARK,NJ	BELL 47G-4A N1385X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2			NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, FL.INSTR., AGE 52, 12759 TOTAL HOURS, 9001 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BARNEGAT,NY	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	CONTROLLED				PHASE OF OPERATION IN FLIGHT OTHER LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE CYLINDER ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
		FACTOR(S) TERRAIN - WET,SOFT GROUND COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NR 6 CYLINDER CONNECTING ROD BOLT FAILED.						
3-1351	4/1/79 TIME - 1800	FLANDERS,NJ	BRANTLY B2 N5968X DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1			NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 38, 550 TOTAL HOURS, 10 IN TYPE. INSTRUMENT RATED.
		NAME OF AIRPORT - FLANDERS VALLEY DEPARTURE POINT HACKETTSTOWN,NJ	INTENDED DESTINATION FLANDERS,NJ					
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED				PHASE OF OPERATION TAKEOFF VERTICAL	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
3-3911	7/21/79 TIME - 1019	ALPINE,NJ	BELL 206B N711GT DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1			NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 30, 3690 TOTAL HOURS, 1800 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT WHITE PLAINS,NY	INTENDED DESTINATION BERGEN,NJ					
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT PROPELLER/ROTOR FAILURE	TAIL ROTOR				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE IN FLIGHT NORMAL CRUISE	
		PROBABLE CAUSE(S) SYSTEMS - OTHER SYSTEMS OTHER MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS,CONDITIONS - OUT OF BALANCE ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE						
		FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT REMARKS- ELT ANT SEPD DUE TO FATIGUE.TAIL ROTOR GROOVES MATCH ELT ANT.TAIL ROTOR GEAR BOX STUDS FAILED.						

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3657	10/18/79	TRENTON,NJ	HUGHES 369D N501RP DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	ATP, FLIGHT INSTR., AGE 36, 5447 TOTAL HOURS, 415 IN TYPE, INSTRUMENT RATED.
<p>NAME OF AIRPORT - MERCER CO DEPARTURE POINT INTENDED DESTINATION TRENTON,NJ PISCATAWAY,NJ</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT HOVERING COLLISION WITH GROUND/WATER CONTROLLED LANDING POWER-ON LANDING</p> <p>PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE REMARKS- T/R DRIVE SHAFT COUPLING P/N 369H92564-D, MANUFACTURER'S P/N 19E149, FAILED.</p>						
3-3561	11/6/79	NR.MOUNT HOLLY,NJ	HILLER UH12R N10195 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 28, 2300 TOTAL HOURS, 21 IN TYPE, NOT INSTRU- MENT RATED.
<p>NAME OF AIRPORT - BURLINGTON COUNTY DEPARTURE POINT INTENDED DESTINATION MOUNT HOLLY,NJ LOCAL</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE TAIL ROTOR IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-ON LANDING</p> <p>PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WFAR/PLAY DUAL STUDENT - SPONTANEOUS-IMPROPER ACTION PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM REMARKS- T/R CABLE PIN32136-1 BROKEN.FOUND TO HAVE EXCESSIVE WEAR.</p>						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1487	3/22/79	NR.TULAROSA,NM	HILLER UH-12D N94AP DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 31, 3889 TOTAL HOURS, 315 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT TULAROSA,NM	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) PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND SIGNALMAN						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED		KIND OF OPERATION - SPRAYING CROPS				
		KIND OF CROP - OTHER		TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC				
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED		GLOVES - USED				
		GOGGLES - NOT USED		CRASH HELMET - AVAILABLE USED				
		COCKPIT CRASHPAD - NOT INSTALLED		CRASH BAR - NOT INSTALLED				
		TANK/HOPPER-LOCATION - BELLY		TERRAIN-TYPE - LEVEL,FLAT				
		ELEVATION-AREA BEING TREATED-FEET - 4300		SWATH RUN-HOW FLOWN - CROSSWIND				
		PROCEDURE TURNAROUND - ENTRY TO PROCEDURE TURN						
3-3524	5/16/79	GOBERADOR,NM	BELL 206B N16859 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL	COMMERCIAL, AGE 35, 7997 TOTAL HOURS, 4835 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT GOBERADOR,NM	INTENDED DESTINATION LOCAL				PHASE OF OPERATION TAKEOFF INITIAL CLIMB	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM LINES AND FITTINGS MISCELLANEOUS ACTS,CONDITIONS - LOOSE,PART/FITTING						
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
		REMARKS- B-NUT ON HOSE ASSY,PN 70-010V000V142 LOOSE.MAIN ROTOR RPM DROPPED WHILE CLRG OBSTN.CO FLT PLN.						
3-1481	6/11/79	ALBUQUERQUE,NM	HUGHES 269B N9317F DAMAGE-SUBSTANTIAL	CR- 0 0 2			INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 44, 8000 TOTAL HOURS, 400 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT ALBUQUERQUE,NM	INTENDED DESTINATION ALBUQUERQUE,NM				PHASE OF OPERATION LANDING ROLL-ON/RUN-ON	
		TYPE OF ACCIDENT HARD LANDING						
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - GROUND RESONANCE						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3912	6/24/79 TIME - 1602	GOVERNADOR,NM	BELL 206B N16810 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 43, 5890 TOTAL HOURS, 3867 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT GOVERNADOR,NM TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER		INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT DESCENDING LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	SKY CONDITION SCATTERED VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 270 TYPE OF WEATHER CONDITIONS VFR REMARKS- D/A APPROX 9000FT.				CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 68 WIND VELOCITY-KNOTS 5 TYPE OF FLIGHT PLAN VFR FLIGHT FOLLOWING SERVICE	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1955	7/6/79 TIME - 1800	SOCORRO,NM	BELL 47G N73998 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 43, 4200 TOTAL HOURS, 70 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT SOCORRO,NM	INTENDED DESTINATION LOS LUMAS,NM			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER CONTROLLED					
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS					
	FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT 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(UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 85	
	WIND DIRECTION-DEGREES 180				WIND VELOCITY-KNOTS 22	
	TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN UNKNOWN/NOT REPORTED	
	REMARKS- LIMITED RECENT EXPERIFNCE IN RECIP ENG ACFT.DA				APPROX 7500FT.NO ENG DISCREPANCIES FOUND.	
3-3351	8/27/79 TIME - 1910	CARSBAD,NM	HELICOPT COMM11 N44JA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	PRIVATE, AGE 29, 132 TOTAL HOURS, 8 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - CAVERN CITY					
	DEPARTURE POINT CARSBAD,NM	INTENDED DESTINATION LOCAL			PHASE OF OPERATION LANDING POWER-ON LANDING LANDING POWER-OFF AUTOROTATIVE LANDING	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					
	PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM CLUTCH ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3956	9/20/79	NR.DEMING,NM	BELL 47G N2220W DAMAGE-DESTROYED	CR- 1	0	0	COMMERCIAL	COMMERCIAL, AGE 29, 1400 TOTAL HOURS, 500 IN TYPE, INSTRUMENT RATED.
	TIME - 1215		INTENDED DESTINATION LAS CRUCES,NM	PX- 0	2	0	AIR TAXI-PASSG	
	DEPARTURE POINT DEMING,NM							
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER		CONTROLLED				PHASE OF OPERATION IN FLIGHT LOW PASS	
	PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION							
	FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS FIRE AFTER IMPACT							
	REMARKS- ACFT DSND & HIT GND AFTER PLT PULLED UP TO AVOID PWR LINES APRX 75FT AGL.							
3-3418	10/10/79	NR.ALBUQUERQUE,NM	HUGHES 500C N9186F DAMAGE-SUBSTANTIAL	CR- 0	0	1	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE 33, 10500 TOTAL HOURS, 3500 IN TYPE, INSTRUMENT RATED.
	TIME - 1830		INTENDED DESTINATION LOCAL	PX- 0	0	1	PLEASURE/PERSONAL TRANSP	
	DEPARTURE POINT ALBUQUERQUE,NM							
	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 FILTERS,STRAINERS,SCREENS MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED POWERPLANT - FUEL SYSTEM OTHER MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - FUEL STARVATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
	REMARKS- HI-PRESS FILTER HVLY CONTAMINATED.FILTER BY-PASS VALVE SWITCH FAILED.							
3-3965	10/23/79	NR.RUIDOSO,NM	SOLVOY 47G N7828S DAMAGE-DESTROYED	CR- 1	0	0	COMMERCIAL	COMMERCIAL, AGE 43, 4000 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1445		INTENDED DESTINATION RUIDOSO,NM	PX- 0	0	0	CONSTRUCTION	
	DEPARTURE POINT RUIDOSO,NM							
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER		UNCONTROLLED				PHASE OF OPERATION IN FLIGHT OTHER	
	PROBABLE CAUSE(S) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS							
	FACTOR(S) PILOT IN COMMAND - FAILED TO USE OR INCORRECTLY USED MISC.EQUIPMENT FIRE AFTER IMPACT							
	REMARKS- TOWING ROPE FRM TWRS ACROSS HWY.HELO BECAME UNSTABLE,ROPE INVLMNT OF UNDRMD ORIG.REL BFR IMPACT.							

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0672	2/19/79	CANTON, NY	BENSEN B8M N9024R DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 24, UNK/NR TOTAL HOURS, 2 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT CANTON, NY	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT			PHASE OF OPERATION IN FLIGHT OTHER	
		PROBABLE CAUSE(S) AIRFRAME - FLIGHT CONTROL SURFACES RUDDER SURFACES, ATTACHMENTS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE				
		FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT				
		REMARKS- AFT RUDDER TORN FROM MATING PART.				
3-0440	3/17/79	SCHROON LAKE, NY	ENSTROM F-2RC N604H DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 46, 566 TOTAL HOURS, 178 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MONTREAL, QUEBEC, CAN	INTENDED DESTINATION ALBANY, NY			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH FENCE, FENCEPOSTS			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE OTHER				
		REMARKS- NUT (AN924-6D) IN AIR FILTER HOUSING INJECTED BY TURBOCHARGER. INLET TURBINE BLADES DMGE TO ENGINE				
3-1455	6/1/79	NEW YORK, NY	AGUSTA 109A N516KA DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 32, 2175 TOTAL HOURS, 140 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - PAN AM HELIPORT DEPARTURE POINT TERENTON NJ	INTENDED DESTINATION NEW YORK, NY			
		TYPE OF ACCIDENT AIRFRAME FAILURE ON GROUND			PHASE OF OPERATION LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) AIRFRAME - LANDING GEAR MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC.				
		MISCELLANEOUS ACTS, CONDITIONS - EXCESSIVE PRESSURE MISCELLANEOUS ACTS, CONDITIONS - GROUND RESONANCE				
		REMARKS- LDG STRUTS INFLATED TO 200 PSI. SHOULD HAVE HAD 99 PSI.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3484	7/6/79 TIME - 0745	JAMESPORT, NY	BELL 47G-5 N8593F DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 25, 3158 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT JAMESPORT, NY	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT STARTING SWATH RUN	
		TYPE OF ACCIDENT COLLIDED WITH ELECTRONIC TOWERS				
		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 - SPRAYING CROPS	
		KIND OF CROP - POTATOES			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
		PILOT'S SEAT BELT - FASTENED-PROPERLY			GLOVES - USED	
		GOGGLES - NOT USED			CRASH HELMET - AVAILABLE USED	
		COCKPIT CRASHPAD - NOT INSTALLED			CRASH BAR - NOT INSTALLED	
		TANK/HOPPER-LOCATION - SIDES			TERRAIN-TYPE - LEVEL, FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 30			SWATH RUN-HOW FLOWN - WIND CALM	
		REMARKS- STRUCK UPPER GUY WIRE TO AN ENVIRONMENTAL TESTING TWR. SPRAYING BRAVO, EURADANE, THIODANE.				
3-3940	7/7/79 TIME - 1740	NR. HUNTER, NY	HUGHES 369HS N9062F DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 2 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 54, 1645 TOTAL HOURS, 235 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - PRIVATE HELIPAD				
		DEPARTURE POINT HUNTER, NY	INTENDED DESTINATION LINDEN, NJ		PHASE OF OPERATION TAKEOFF VERTICAL	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT				
		REMARKS- PIC ATTEMPTED NEAR VERTICAL TAKEOFF WITH 3 PAX ABOARD.				
3-3020	9/22/79 TIME - 1530	NEWCOMB, NY	ENSTROM F-28A N222LP DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 38, 106 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT NORTHFIELD, NH	INTENDED DESTINATION LACONIA, NH		LAST ENROUTE STOP NEWCOMB, NY	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH TREES			PHASE OF OPERATION IN FLIGHT OTHER LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - ENGINE STRUCTURE VALVE ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE				
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		REMARKS- NR 4 INTAKE VALVE STEM BKN.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3963	10/6/79 TIME - 1610	OLD WESTBURY, NY	BELL 206B N3500M DAMAGE-DESTRUCTED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGF 32, 4788 TOTAL HOURS, 460 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT EAST HAMPTON, NY	INTENDED DESTINATION NEW YORK CITY, NY			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT					
	PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM					
	FIRE AFTER IMPACT					
	REMARKS- THE LOWER CLEVIS ADJUSTMENT BARREL OF THE PITCH CHANGE ROD WAS NOT RECOVERED.					
3-3587	11/24/79 TIME - 1003	OAKDALE, NY	ENSTROM F28C N642H DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 2	COMMERCIAL AERIAL ADVERTISING	COMMERCIAL, FL. INSTR., AGE UNK/NR, 1100 TOTAL HOURS, 39 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT ISLIP, NY	INTENDED DESTINATION LOCAL			PHASE OF OPERATION TAKEOFF VERTICAL	
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER UNCONTROLLED					
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN					
	FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND TERRAIN - HIGH OBSTRUCTIONS WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED					
	SKY CONDITION SCATTERED				CEILING AT ACCIDENT SITE UNLIMITED	
	VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)				PRECIPITATION AT ACCIDENT SITE NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				WIND DIRECTION-DEGREES 210	
	WIND VELOCITY-KNOTS 16				TYPE OF WEATHER CONDITIONS VFR	
	TYPE OF FLIGHT PLAN NONE					
	REMARKS- TKOF WITH ALL SEATS OCCUPIED OVER PEOPLE/BLDGS. WIND GUSTING TO 20KTS.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1442	7/21/79	MINOT,ND	HILLER UH-12D N62397 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL	COMMERCIAL, AGE 31, 1300 TOTAL HOURS, 157 IN TYPE, INSTRUMENT RATED.
	TIME - 1215			PX- 0 0 2			OTHER	
		NAME OF AIRPORT - MINOT INTL						
		DEPARTURE POINT	INTENDED DESTINATION					
		MINOT,ND	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION					TAKEOFF VERTICAL	
		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						
		FACTOR(S)						
		POWERPLANT - POWERPLANT-INSTRUMENTS FUEL QUANTITY GAUGE						
		MISCELLANEOUS ACTS,CONDITIONS - ERRATIC						
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		REMARKS- SIGHTSEEING FLIGHT.						
3-1225	5/19/79	LEXINGTON,OH	HILLER UH-12E N67156 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL	COMMERCIAL, AGE 28, 2320 TOTAL HOURS, 750 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1930			PX- 0 0 0			AERIAL APPLICATION	
		DEPARTURE POINT	INTENDED DESTINATION					
		LEXINGTON,OH	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		PROPELLER/ROTOR FAILURE MAIN ROTOR					IN FLIGHT PULLUP FROM SWATH RUN	
		ROLL OVER					LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S)						
		PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION						
		ROTORCRAFT - ROTOR ASSEMBLIES UNIVERSAL JOINTS,COUPLINGS						
		MISCELLANEOUS ACTS,CONDITIONS - WRONG PART						
		MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION						
		FACTOR(S)						
		TERRAIN - HIGH OBSTRUCTIONS						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND.						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 1450					KIND OF OPERATION - FERTILIZING (LIQUID)	
		KIND OF CROP - CORN					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC	
		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 - LEVEL,FLAT	
		ELEVATION-AREA BEING TREATED- FEET - 1300					SWATH RUN-HOW FLOWN - WIND CALM	
		REMARKS- PRTS LIST HAS 3 TORSION CPLNGS FOR UH12E.SAME SIZE BUT NOT FUNCIONLY CHNGBL.MAINT MAN-NO SPECS.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1752	5/23/79	NR.PIQUA,OH	BELL 47G-2 N4423 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 23, 1529 TOTAL HOURS, 368 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT PIQUA,OH	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED					PHASE OF OPERATION IN FLIGHT SWATH RUN	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 35 TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GOGGLES - NOT USED TERRAIN-TYPE - LEVEL,FLAT SWATH RUN-HOW FLOWN - CROSSWIND						KIND OF OPERATION - TEST GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED ELEVATION-AREA BEING TREATED- FEET - 1000 PROCEDURE TURNAROUND - THIRD 1/3 TURN	
		REMARKS- PILOT WAS TESTING SPRAY EQUIPMENT USING WATER.							
3-2278	6/3/79	CARROLLTON,OH	BELL 47G-2A N7575 DAMAGE-SUBSTANTIAL	CR-	0	1	0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 32, 4227 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT CARROLLTON,OH	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						PHASE OF OPERATION IN FLIGHT EN ROUTE TO TREAT CRUP	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - CORN PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDFS ELEVATION-AREA BEING TREATED- FEET - 1200						KIND OF OPERATION - SPRAYING CRUPS TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED	
3-1226	6/10/79	JOHNSTOWN,OH	BENSON B8M N4644 DAMAGE-SUBSTANTIAL	CR-	0	1	0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 25, 139 TOTAL HOURS, 0 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - KEARNS DEPARTURE POINT JOHNSTOWN,OH	INTENDED DESTINATION JOHNSTOWN,OH						
		TYPE OF ACCIDENT STALL						PHASE OF OPERATION LANDING FINAL APPROACH	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1753	6/24/79 TIME - 1515	FINDLAY, OH	HUGHES 269B N9439F DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL OTHER	COMMERCIAL, FL. INSTR., AGE 43, 17114 TOTAL HOURS, 119 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT FINDLAY, OH	INTENDED DESTINATION LOCAL			PHASE OF OPERATION TAKEOFF VERTICAL	
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES					
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, ALTITUDE OR CLEARANCE					
3-1834	7/30/79 TIME - 0950	CHILLICOTHE, OH	SIKORSKY S-55C N509Y DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 40, 2204 TOTAL HOURS, 277 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CHILLICOTHE, OH	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					
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - BEANS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED- FEET - 610 FIRE AFTER IMPACT				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 - DOWNWIND	
3-2981	9/12/79 TIME - 2309	KINGS MILLS, OH	ENSTROM F-28A N2440 DAMAGE-DESTROYED	CR- 0 1 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 32, 86 TOTAL HOURS, 81 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CINCINNATI, OH	INTENDED DESTINATION COLUMBUS, OH			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES					
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED REMARKS- P SAID-1500FT MSL, PAX (ASLEEP) FELL FWD ON COLLECTIVE. ALTIMETER SET 480FT HI. HIT PWR LINE-917FT MSL.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3340	9/27/79	NR. NEW KNOXVILLE, OH	HUGHES 269B N62402 DAMAGF-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 34, 2098 TOTAL HOURS, 500 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT		INTENDED DESTINATION							
NEW KNOXVILLE, OH		LOCAL							
TYPE OF ACCIDENT				PHASE OF OPERATION					
COLLISION WITH GROUND/WATER		CONTROLLED		IN FLIGHT FLAREOUT FOR SWATH RUN					
PROBABLE CAUSE(S)									
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.									
SPECIAL DATA									
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED				KIND OF OPERATION - DEFOLIATION (LIQUID)					
KIND OF CROP - BEANS				TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC					
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 - 900				SWATH RUN-HOW FLOWN - CROSSWIND					
REMARKS- APRX 1 ACRE OF CROP IN BEAN FLD DESTROYED.									
3-3175	11/16/79	DAYTON, OH	BELL 47G5 N2271W DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 35, 6850 TOTAL HOURS, 225 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MORaine AIRPARK									
DEPARTURE POINT		INTENDED DESTINATION							
DAYTON, OH		LOCAL							
TYPE OF ACCIDENT				PHASE OF OPERATION					
PROPELLER/ROTOR FAILURE		TAIL ROTOR		TAKEOFF VERTICAL					
COLLISION WITH GROUND/WATER		UNCONTROLLED		IN FLIGHT UNCONTROLLED DESCENT					
PROBABLE CAUSE(S)									
ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES									
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE									
REMARKS- PLT STATED AFT ENTERING EFFECTIVE TRANSLATIONAL LIFT HE HEARD CRACK, ACFT BEGAN TO VIBRATE & SPIN.									
3-3423	12/15/79	WEST MILTON, OH	HUGHES 269C N7483F DAMAGE-DESTROYED	CR- PX-	1 0	0 0	0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL. INSTR., AGE 31, 3998 TOTAL HOURS, 518 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT		INTENDED DESTINATION							
PIQUA, OH		DAHIQ, OH							
TYPE OF ACCIDENT				PHASE OF OPERATION					
AIRFRAME FAILURE		IN FLIGHT		IN FLIGHT NORMAL CRUISE					
PROBABLE CAUSE(S)									
ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES TAIL BOOMS/PYLONS/CONES									
MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE									
FACTOR(S)									
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT									
FIRE AFTER IMPACT									
REMARKS- TAILBOOM CTR ATTACH FITTING(PN 269A2324-7) FAILED.									

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0868	5/5/79 TIME - 1700	ALVA,OK	HUGHES 269A N8892F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 45, 5500 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
<p>NAME OF AIRPORT - ALVA MUNICIPAL DEPARTURE POINT INTENDED DESTINATION ALVA,OK LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING</p> <p>PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - INATTENTIVE TO FUEL SUPPLY MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND</p>						
3-1579	6/22/79 TIME - 0900	ELK CITY,OK	HILLER UH12L4 N90453 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 37, 3290 TOTAL HOURS, 25 IN TYPE, NOT INSTRU- MENT RATED.
<p>DEPARTURE POINT INTENDED DESTINATION ELK CITY,OK LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING ROLL-ON/RUN-ON</p> <p>PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM CLUTCH ASSEMBLY MISCELLANEOUS ACTS,CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PLT STATED MAIN ROTOR CLUTCH SLIPPED.</p>						
3-2950	9/12/79 TIME - 1150	ARDMORE,OK	BELL 4701 N3575 DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 32, 6497 TOTAL HOURS, 1000 IN TYPE, NOT INSTRU- MENT RATED.
<p>NAME OF AIRPORT - DOWNTOWN ARDMORE DEPARTURE POINT INTENDED DESTINATION ARDMORE,OK LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING POWER-OFF AUTOROTATIVE LANDING</p> <p>PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS REMARKS- DEMONSTRATING LOW LVL AUTOROTATIVE LNDG.</p>						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2524	10/1/79	GUYMON,OK	BRANTLY B-2B N2191U DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 23, 527 TOTAL HOURS, 65 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT GUYMON,OK	INTENDED DESTINATION LOCAL		PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE ROLL OVER	TAIL ROTOR			
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE	TAIL ROTOR DRIVE SHAFT ASSEMBLY			
		REMARKS- TAIL ROTOR SHAFT COUPLING BOLT FAILED				
3-2949	11/19/79	SAND SPRINGS,OK	BENSON B8M N6933 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	NO CERTIFICATE, AGE 30, 2 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - EAGLES NEST DEPARTURE POINT SAND SPRINGS,OK	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESCENT	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	UNCONTROLLED			
		PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0467	2/23/79	NR. SPRINGFIELD, OR	HILLER ACFT UH-12E N545HA	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 28, 2587 TOTAL HOURS, 124 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1445		DAMAGE-SUBSTANTIAL	PX-	0	0	0	ASSOC CROP CTL ACTIVITY	
	DEPARTURE POINT SPRINGFIELD, OR		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT COLLIDED WITH OBJECT 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 - MISJUDGED CLEARANCE								
	FACTOR(S) WEATHER - LOW CEILING WEATHER - FOG								
	WEATHER BRIEFING - UNKNOWN/NOT REPORTED WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT ADVERSE/UNFAVORABLE WEATHER								
	SKY CONDITION PARTIAL OBSCURATION							CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED	
	VISIBILITY AT ACCIDENT SITE 1/2 MILE OR LESS							PRECIPITATION AT ACCIDENT SITE RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG							TEMPERATURE-F 40	
	WIND DIRECTION-DEGREES 135							WIND VELOCITY-KNOTS 5	
	TYPE OF WEATHER CONDITIONS IFR							TYPE OF FLIGHT PLAN NONE	
	REMARKS- EMPTY SLING LOAD BUCKET CAUGHT ON SKID. NO ENG MALFUNCTION FOUND.								
3-0570	3/24/79	FRIEND, OR	HILLER ACFT UH-12E N175HA	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 52, 13762 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1000		DAMAGE-SUBSTANTIAL	PX-	0	0	0	AERIAL APPLICATION	
	DEPARTURE POINT FRIEND, OR		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								
	FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS								
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 9999 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - BELLY ELEVATION-AREA BEING TREATED- FEET - 2500							KIND OF OPERATION - SPRAYING CROPS 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 - WIND CALM	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1767	5/11/79	INDEPENDENCE,OR	HILLER ACFT UH-12E N161HA	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 28. 2200 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0730		DAMAGE-SUBSTANTIAL	PX-	0	0	0	ASSOC CROP CTL ACTIVITY	
		NAME OF AIRPORT - INDEPENDENCE							
		DEPARTURE POINT	INTENDED DESTINATION						
		INDEPENDENCE,OR	LOCAL						
		TYPE OF ACCIDENT						PHASE OF OPERATION	
		PROPELLER/ROTOR FAILURE MAIN ROTOR						TAKEOFF INITIAL CLIMB	
		COLLISION WITH GROUND/WATER UNCONTROLLED						IN FLIGHT UNCONTROLLED DESCENT	
		PROBABLE CAUSE(S)							
		ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES							
		MISCELLANEOUS ACTS,CONDITIONS - CORRODED/CORROSION							
		MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE							
		MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED							
		FACTOR(S)							
		PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION							
		MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED							
		SPECIAL DATA							
		TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED						KIND OF OPERATION - SPRAYING CROPS	
		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 - INSTALLED						CRASH BAR - NOT INSTALLED	
		TANK/HOPPER-LOCATION - BELLY						TERRAIN-TYPE - LEVEL,FLAT	
		ELEVATION-AREA BEING TREATED-FEET - 160							
		REMARKS- INCIDENCE PUSH ROD END BEARING FAILED AT OUTER SHELL DRG TRANSLATION LIFT.							
3-1207	5/18/79	NR.ISLAND CITY,OR	BELL 206B	CR-	0	0	1	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 34, 4521 TOTAL HOURS, 103 IN TYPE, NOT INSTRU- MENT RATED.
	TIME - 0545		N59520	PX-	0	0	0	AERIAL APPLICATION	
			DAMAGE-DESTROYED						
		DEPARTURE POINT	INTENDED DESTINATION						
		LA GRANDE,OR	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							
		SPECIAL DATA							
		TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED						KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - GRAIN FIELDS						TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED						GLOVES - USED	
		GOGGLES - USED						CRASH HELMET - AVAILABLE USED	
		COCKPIT CRASHPAD - NOT INSTALLED						CRASH BAR - NOT INSTALLED	
		TANK/HOPPER-LOCATION - BELLY						TERRAIN-TYPE - LEVEL,FLAT	
		ELEVATION-AREA BEING TREATED-FEET - 2700						SWATH RUN-HOW FLOWN - WIND CALM	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2659	7/18/79	NR. EMBLER, OR	BELL 47G N6356X DAMAGE-SUBSTANTIAL	CR- 0 0 1	PX- 0 0 0		COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL. INSTR., AGE 27, 5128 TOTAL HOURS, 932 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT EMBLER, OR	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE NOSE OVER/DOWN	MAIN ROTOR				PHASE OF OPERATION IN FLIGHT EN ROUTE TO RELOADING AREA LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE	MAIN ROTOR BLADES					
		FACTOR(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING TERRAIN - WET, SOFT GROUND EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED KIND OF CROP - FRUIT ORCHARDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED ELEVATION-AREA BEING TREATED- FEET - 2700 REMARKS- M/R BLADE FAILED AT TRAILING EDGE GUF LINE.					KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED	
3-3095	7/25/79	NR. BAY CITY, OR	HUGHES 369D N58184 DAMAGE-SUBSTANTIAL	CR- 0 0 1	PX- 0 0 0		COMMERCIAL CTR CARGO-D	COMMERCIAL, FL. INSTR., AGE 34, 2136 TOTAL HOURS, 910 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BAY CITY, OR	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 - FUEL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION	FUEL CONTROL					
		FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LND STEEP DOWNSLOPE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2993	7/28/79 TIME - 1500	WARM SPGS RES,OR	HILLER ACFT UH-12E N6ZH DAMAGE-DESTROYED	CR- 0 0 2 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, FL.INSTR., AGE 51, 14100 TOTAL HOURS, 500 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT WARM SPGS RES,OR	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						
FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT						
REMARKS- CONROD CAP BOLT FAILED. HERDING HORSES. PLT HAD TO LND ON STEEP SLOPE.						
3-2999	11/7/79 TIME - 0945	NR.AMITY,OR	BELL 206A N6212N DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-I	COMMERCIAL, FL.INSTR., AGE 31, 4686 TOTAL HOURS, 365 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT AMITY,OR	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/WATER UNCONTROLLED	PHASE OF OPERATION IN FLIGHT OTHER IN FLIGHT UNCONTROLLED DESCENT			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE PERSONNEL - MAINTENANCE,SERVICING,INSPECTION INADEQUATE MAINTENANCE AND INSPECTION SYSTEMS - ELECTRICAL SYSTEM RELAYS AND WIRING MISCELLANEOUS ACTS,CONDITIONS - GROUNDED						
FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED						
REMARKS- EXTERNAL LOAD DRAGGED GRND. PLT UN RELEASE LOAD DUE LOWER HOOK MALFUNCTION.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3098	12/17/79 TIME - 1208	NR.MILL CITY,OR	AEROSPATLE SA315B N55963 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	AIRLINE TRANSPORT, AGE 39, 5495 TOTAL HOURS, 130 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MILL CITY,OR	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH OBJECT		PHASE OF OPERATION IN FLIGHT HOVERING		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC.						
PILOT IN COMMAND - MISJUDGED CLEARANCE						
FACTOR(S)						
PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED			KIND OF OPERATION - FERTILIZING (DUST)			
KIND OF CROP - FOREST-TREES			TYPE OF CHEMICAL USED - DRY 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 - SLING LOADED						
REMARKS- M/R BLADES HIT TRACTOR BUCKET DURING FERTILIZER BUCKET REPAIR OPNS.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1977	4/4/79 TIME - 1330	SIPESVILLE, PA	BELL 206B N70RB DAMAGE-DESTROYED	CR- 2 0 0 PX- 2 0 0	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 35, 172 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT LATROBE, PA		INTENDED DESTINATION HOLSOPPLE, PA		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE IN FLIGHT NORMAL CRUISE	
	TYPE OF ACCIDENT TURBULENCE COLLIDED WITH TREES					
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					
	FACTOR(S) WEATHER - LOW CEILING WEATHER - RAIN WEATHER - FOG WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS. TERRAIN - HIGH OBSTRUCTIONS WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT MISSING AIRCRAFT - LATER RECOVERED					
	SKY CONDITION OVERCAST				CEILING AT ACCIDENT SITE 500	
	VISIBILITY AT ACCIDENT SITE 3 MILES OR LESS				PRECIPITATION AT ACCIDENT SITE RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				TEMPERATURE-F 36	
	WIND DIRECTION-DEGREES 150				WIND VELOCITY-KNOTS 6	
	TYPE OF WEATHER CONDITIONS VFR				TYPE OF FLIGHT PLAN NONE	
	REMARKS-	RECOVERY DATE 4/05/79.	DPTD LATROBE ARPT,	PEAK WIND GUSTS 56KTS.	REPORTED SEVERE TURB	IN AREA.
3-0682	5/6/79 TIME - 1145	WEATHERLY, PA	BELL 47G N73979 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 1	COMMERCIAL FIRE CONTROL	COMMERCIAL, FL.INSTR., AGE 32, 2147 TOTAL HOURS, 210 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT WEATHERLY, PA		INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER	
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS					
	FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER					
	REMARKS-	DURING FIRE PATROL OPERATIONS	HELICOPTER COLLIDED WITH UNMARKED CABLE	AND CRASHED IN RIVER		

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1393	6/16/79	WAUPWALLOPEN, PA	BELL 47G-2 N2884B DAMAGE-SUBSTANTIAL	CR- 0	1	0	NONCOMMERCIAL	STUDENT, AGE 50, 60 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1500			PX- 0	1	0	PLEASURE/PERSONAL TRANSP	
		NAME OF AIRPORT - HOBBI						
		DEPARTURE POINT	INTENDED DESTINATION					
		WAUPWALLOPEN, PA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLIDED WITH TREES					TAKEOFF INITIAL CLIMB	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
		FACTOR(S)						
		TERRAIN - HIGH OBSTRUCTIONS						
		REMARKS- RPM DECAYED, DURING TURN BACK COPTER STRUCK A TREE.						
3-1397	6/19/79	HANOVER, PA	BELL 47D-1 N59326 DAMAGE-SUBSTANTIAL	CR- 0	0	1	COMMERCIAL	COMMERCIAL, AGE 32, 662 TOTAL HOURS, 295 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0727			PX- 0	0	0	AERIAL APPLICATION	
		NAME OF AIRPORT - CORN FIELD						
		DEPARTURE POINT	INTENDED DESTINATION					
		HANOVER, PA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		COLLIDED WITH ELECTRONIC TOWERS					IN FLIGHT SWATH RUN	
		PROBABLE CAUSE(S)						
		PILOT IN COMMAND - MISJUDGED CLEARANCE						
		SPECIAL DATA						
		TOTAL HOURS IN CROP CONTROL - 12					KIND OF OPERATION - SPRAYING CROPS	
		KIND OF CROP - PEAS					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC	
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					GLOVES - NOT USED	
		GOGGLES - USED					CRASH HELMET - AVAILABLE-NOT USED	
		COCKPIT CRASHPAD - NOT INSTALLED					CRASH BAR - NOT INSTALLED	
		TANK/HOPPER-LOCATION - SIDES					TERRAIN-TYPE - ROLLING	
		ELEVATION-AREA BEING TREATED- FEET - 602					SWATH RUN-HOW FLOWN - WIND CALM	
3-3424	7/14/79	PHILADELPHIA, PA	BELL 206B N1443W DAMAGE-DESTROYED	CR- 0	1	0	COMMERCIAL	COMMERCIAL, AGE 35, 6967 TOTAL HOURS, 767 IN TYPE, INSTRUMENT RATED.
	TIME - 0956			PX- 2	0	0	MAPPING/PHOTO	
		DEPARTURE POINT	INTENDED DESTINATION					
		PHILADELPHIA, PA	LOCAL					
		TYPE OF ACCIDENT					PHASE OF OPERATION	
		PROPELLER/ROTOR FAILURE MAIN ROTOR					IN FLIGHT HOVERING	
		COLLISION WITH GROUND/WATER CONTROLLED					LANDING LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S)						
		ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR DRIVE SHAFT						
		MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM						
		MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED						
		FACTOR(S)						
		MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		REMARKS- MAIN DRIVE SHAFT COUPLING(PN 206 040-108-005) FAILED. LUBRICANT LOST FOR UNKN RSN.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1917	7/30/79 TIME - 1930	BARNESBORO, PA	HUGHES 300C N8641F DAMAGE-DESTROYED	CR- PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 33, 3817 TOTAL HOURS, 175 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BENSBURG, PA	INTENDED DESTINATION LOCAL					PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND	
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES							
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1800 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 - 1890 PROCEDURE TURNAROUND - THIRD 1/3 TURN						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 - WIND CALM	
3-2888	8/18/79 TIME - 1625	ERIE, PA	ENSTROM F28C N573H DAMAGE-DESTROYED	CR- PX-	0 0	1 0	1 0	INSTRUCTIONAL DUAL	COMMERCIAL, AGE 36, 137 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ERIE, PA	INTENDED DESTINATION MILLCREEK, PA					PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING LEVEL OFF/TOUCHDOWN	
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR COLLIDED WITH TREES							
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM ENGINE DRIVE SHAFT MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- BELT JACK STRUT BEARING FAILURE. FLOAT EQUIPPED.							
3-3863	10/23/79 TIME - 1719	PHILADELPHIA, PA	AEROSPATLE SA341G N119SF DAMAGE-DESTROYED	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 43, 1480 TOTAL HOURS, 60 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - PHILADELPHIA INTL DEPARTURE POINT PHILADELPHIA, PA	INTENDED DESTINATION POTTSTOWN, PA					PHASE OF OPERATION IN FLIGHT CLIMB TO CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING							
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP. BASE/HELIP. FIRE AFTER IMPACT							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2385	3/27/79	MR. JOHNS ISLAND, SC	SCORPION T00 N97521	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	STUDENT, AGE 36, 61 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1140		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT		INTENDED DESTINATION			
	UNKNOWN/NOT REPORTED		UNKNOWN/NOT REPORTED			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	PROPELLER/ROTOR FAILURE	PROPELLER			IN FLIGHT	NORMAL CRUISE
	COLLISION WITH GROUND/WATER	UNCONTROLLED			IN FLIGHT	UNCONTROLLED DESCENT
	PROBABLE CAUSE(S)					
	ROTORCRAFT - ROTOR ASSEMBLIES	TAIL ROTOR BLADES				
	MISCELLANEOUS ACTS, CONDITIONS	- FATIGUE FRACTURE				
	FACTOR(S)					
	MISCELLANEOUS ACTS, CONDITIONS	- SEPARATION IN FLIGHT				
3-2052	8/20/79	TIMMONSVILLE, SC	HILLER UH-12E N121NR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 38, 8160 TOTAL HOURS, 188 IN TYPE, INSTRUMENT RATED.
	TIME - 1130		DAMAGE-SUBSTANTIAL			
	DEPARTURE POINT		INTENDED DESTINATION			
	TIMMONSVILLE, SC		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLIDED WITH WIRES/POLFS				IN FLIGHT	SWATH RUN
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED CLEARANCE					
	FACTOR(S)					
	WEATHER - DOWNDRAFT, UPDRAFTS					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	CLEAR				UNLIMITED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED)				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	NONE				90	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	270				5	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	VFR				NONE	
	SPECIAL DATA					
	TOTAL HOURS IN CROP CONTROL - 8160				KIND OF OPERATION - SPRAYING CROPS	
	KIND OF CROP - BEANS				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 - BELLY				TERRAIN-TYPE - LEVEL, FLAT	
	ELEVATION-AREA BEING TREATED- FEET - 149				SWATH RUN-HOW FLOWN - UPWIND	
	FIRE AFTER IMPACT					
	REMARKS- PIC FLEW UNDER POWER LINES.					

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2382	9/29/79	TRENTON, SC	HUGHES 269A N8853F DAMAGE-DESTROYED	CR-	0	0	2	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 33, 9255 TOTAL HOURS, 8180 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - TRENTON							
		DEPARTURE POINT TRENTON, SC		INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT AIRFRAME FAILURE ON GROUND				PHASE OF OPERATION TAKEOFF VERTICAL			
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS MISCELLANEOUS ACTS, CONDITIONS - GROUND RESONANCE							
3-0897	6/7/79	CANISTOTA, SD	HUGHES 269B N9329F DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 30, 2221 TOTAL HOURS, 340 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CANISTOTA, SD		INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR				PHASE OF OPERATION IN FLIGHT SWATH RUN			
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM ENGINE DRIVE SHAFT MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE							
		SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 1500 KIND OF CROP - GRAIN FIELDS PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - INSTALLED TANK/HOPPER-LOCATION - FORWARD OF PILOT ELEVATION-AREA BEING TREATED- FEET - 1600 REMARKS- SPLINES ON LOWER DRIVE SHAFT, P/N269A5504-3, SHEARED. 950 HRS TOTAL ON FAILED PART.				KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND			
3-2666	8/19/79	FAYETTEVILLE, TN	BENSON R8M N86531 DAMAGE-DESTROYED	CR-	1	0	0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 42, 585 TOTAL HOURS, 15 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - FAYETTEVILLE MUNI							
		DEPARTURE POINT FAYETTEVILLE, TN		INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE			
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING REMARKS- GYROCOPTER OBSERVED FLYING SOUTHEAST FM ARPT AT 100 TO 300FT.							

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1699	1/20/79 TIME - 1015	FALFURRIAS, TX	BELL 47G-4A N4002G DAMAGE-DESTROYED	CR- 0 2 0 PX- 0 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 24, 586 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT FALFURRIAS, TX	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT OTHER	
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER CONTROLLED				
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT WEATHER - UNFAVORABLE WIND CONDITIONS				
		SKY CONDITION CLEAR			CEILING AT ACCIDENT SITE UNLIMITED	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 62	
		WIND DIRECTION-DEGREES 290			WIND VELOCITY-KNOTS 25	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE	
		REMARKS- HERDING CATTLE. WND GUSTING 40 KT.				
3-0167	2/3/79 TIME - 1430	NR. SALT FLAT, TX	AEROSPATIAL 350C N49556 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS FERRY	COMMERCIAL, AGE 54, 5000 TOTAL HOURS, 250 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT DEMING, NM	INTENDED DESTINATION MIDLAND, TX		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 - TURBINE ASSEMBLY BEARING, SHAFT MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-1039	3/9/79 TIME - 1320	ANGLETON, TX	HUGHES 369D N58333 DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0			NONCOMMERCIAL CORP/EXEC	ATP, FLIGHT INSTR., AGE 42, 6150 TOTAL HOURS, 400 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LAKE JACKSON, TX	INTENDED DESTINATION COLUMBIA LAKES, TX				PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES						
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING FIRE AFTER IMPACT						
3-0626	3/26/79 TIME - 0800	NR. WICHITA FALLS, TX	HUGHES 269C N8970F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0			NONCOMMERCIAL BUSINESS	PRIVATE, AGE 27, 233 TOTAL HOURS, 171 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WICHITA FALLS, TX	INTENDED DESTINATION LOCAL				PHASE OF OPERATION TAKEOFF VERTICAL	
		TYPE OF ACCIDENT ROLL OVER						
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS						
		SKY CONDITION CLEAR					CEILING AT ACCIDENT SITE UNLIMITED	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)					PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE					RELATIVE BEARING OF WIND UNKNOWN/NOT REPORTED	
		TEMPERATURE-F 40					WIND DIRECTION-DEGREES 180	
		WIND VELOCITY-KNOTS 14					TYPE OF WEATHER CONDITIONS VFR	
		TYPE OF FLIGHT PLAN NONE						
3-0640	3/29/79 TIME - 1310	BIG LAKE, TX	HUGHES 269C N99803 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1			MISCELLANEOUS HUNTING	COMMERCIAL, AGE 49, 3288 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT BIG LAKE, TX	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING POWER-ON LANDING	
		TYPE OF ACCIDENT HARD LANDING						
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. 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
3-0336	3/29/79	COLORADO CITY, TX	ENSTR0M 280C N51781 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 37, 3229 TOTAL HOURS, 55 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1330					
		NAME OF AIRPORT - MITCHELL COUNTY				
		DEPARTURE POINT	INTENDED DESTINATION			
		COLORADO CITY, TX	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		HARD LANDING			LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE				
		FACTOR(S)				
		WEATHER - SUDDEN WINDSHIFT				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		SCATTERED			UNLIMITED	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER (UNLIMITED)			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			RELATIVE BEARING OF WIND	
		NONE			HEAD WIND 338-022 DEGREES	
		TEMPERATURE-F			WIND DIRECTION-DEGREES	
		80			170	
		WIND VELOCITY-KNOTS			TYPE OF WEATHER CONDITIONS	
		15			VFR	
		TYPE OF FLIGHT PLAN				
		NONE				
3-0824	4/5/79	SLATON, TX	HUGHES 269A-1 N8960F DAMAGE-DESTROYED	CR- 0 2 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 40, 901 TOTAL HOURS, 36 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1320					
		NAME OF AIRPORT - SLATON MUNICIPAL				
		DEPARTURE POINT	INTENDED DESTINATION			
		SLATON, TX	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER CONTROLLED			UNKNOWN/NOT REPORTED	
		PROBABLE CAUSE(S)				
		MISCELLANEOUS - UNDETERMINED				
		REMARKS- WITNESS OBSERVED HEL LOOKED TO BE IN AUTOROTATION. CFI ON BOARD.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0798	4/24/79	ALVIN, TX	BELL 47-G4 N1150W DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0 OT- 0 1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL. INSTR., AGE 28, 3460 TOTAL HOURS, 705 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ALVIN, TX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLIDED WITH FLAGMAN, LOADER		PHASE OF OPERATION IN FLIGHT SWATH RUN		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - MISJUDGED CLEARANCE						
PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN						
SPECIAL DATA						
TOTAL HOURS IN CROP CONTROL - 350			KIND OF OPERATION - SPRAYING CROPS			
KIND OF CROP - RICE			TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC			
GLOVES - NOT USED			GOGGLES - NOT USED			
CRASH HELMET - AVAILABLE USED			COCKPIT CRASHPAD - NOT INSTALLED			
CRASH BAR - NOT INSTALLED			TANK/HOPPER-LOCATION - SIDES			
TERRAIN-TYPE - LEVEL, FLAT			ELEVATION-AREA BEING TREATED- FEET - 50			
SWATH RUN-HOW FLOWN - CROSSWIND						
REMARKS- FLAGGER STEPPED UP ON RICE LEVEE.						
3-2620	4/26/79	NR. SABINE PASS, TX	AEROSPATILE SA365C N90049 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 1 7	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 4304 TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - JEFFERSON COUNTY	INTENDED DESTINATION GULF OF MEXICO			
		DEPARTURE POINT SABINE PASS, TX	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE			
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING		LANDING POWER-ON LANDING		
PROBABLE CAUSE(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN						
ROTORCRAFT - ROTOR ASSEMBLIES OTHER						
MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						
PILOT IN COMMAND - MISJUDGED ALTITUDE						
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT						
DIRECTIONAL CONTROL PROBLEM						
SUSPECTED OR KNOWN AIRCRAFT DAMAGE						
REMARKS- FENESTRON GEARBOX SUPPORT RING FAILED. EMERG PROC FOR LOSS OF YAW CNTL ON SKID EQPD ACFT NOT PRVDD.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2105	5/5/79 TIME - 1450	FRIENDSWOOD, TX	ENSTROM F-28A N2540 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 32, 470 TOTAL HOURS, 37 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - CLOVER FIELD						
		DEPARTURE POINT	INTENDED DESTINATION					
		FRIENDSWOOD, TX	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 CLUTCH ASSEMBLY								
ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM SPRAG SYSTEM								
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE								
PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS								
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.								
REMARKS- PLT STATED DURING AUTOROTATION LEVELED & APPLIED SOME COLLECTIVE. ACFT HIT HARD & BOUNCED.								
3-2560	5/6/79 TIME - 1730	HOUSTON, TX	BELL 206B N2HJ DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 1	1 NONCOMMERCIAL CORP/EXEC	CERTIFICATE UNKNOWN, AGE 35, 9500 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT	INTENDED DESTINATION					
		HOUSTON, TX	LOCAL					
		TYPE OF ACCIDENT				PHASE OF OPERATION		
		COLLISION WITH GROUND/WATER	UNCONTROLLED			TAXI AERIAL TAXI, OTHER		
PROBABLE CAUSE(S)								
PILOT IN COMMAND - LEFT AIRCRAFT UNATTENDED, ENGINE RUNNING								
MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT								
REMARKS- PLT DEPLANED TO MOVE ANOTHER HELO, THEN OBSERVED THIS HELO APRX 35FT IN THE AIR.								
3-0825	5/14/79 TIME - 1008	ALAMO, TX	BELL 47G2 N991B DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 26, 1182 TOTAL HOURS, 258 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT	INTENDED DESTINATION					
		ALAMO, TX	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.								

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1707	5/21/79	NR.GALVESTON,TX	BOLKOW B0105C N90755 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 30, 4985 TOTAL HOURS, 496 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - BRAZOS A133				
		DEPARTURE POINT GALVESTON,TX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ROLL OVER			PHASE OF OPERATION STATIC STARTING ENGINE(S)	
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER STARTING PROCEDURES				
		FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - GUST LOCKS ENGAGED				
		REMARKS- ENG RUN-UP W CYCLIC STICK LOCKED AT FLAT PITCH.ACFT ROCKED BACK.TAIL ROTOR HIT DECK.CO FLT PLAN.				
3-1704	5/30/79	NR.SPOFFORD,TX	BELL 47G N3740G DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 32, 1240 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT SPOFFORD,TX	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				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
3-1222	6/29/79	MANVEL,TX	BELL 47G-4 N1150W DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 28, 3451 TOTAL HOURS, 672 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MANVEL,TX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED		PHASE OF OPERATION IN FLIGHT SURVEY FIELD/AREA	
		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
3-2549	7/13/79	VICTORIA, TX	ENSTROM F-28C N51774 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 48, 1126 TOTAL HOURS, 29 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT VICTORIA, TX	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT HOVERING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION 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- COLLIDED W TREE & FENCE DURING FORCED LNDG.				
3-1690	7/18/79	SABINE, TX	BELL 206B N7853S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 40, 5121 TOTAL HOURS, 370 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - PHI HELIPORT DEPARTURE POINT SABINE, TX	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT HARD LANDING				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE				
3-2552	8/18/79	HOUSTON, TX	BELL 206B N7111J DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL. INSTR., AGE 31, 2228 TOTAL HOURS, 745 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT HOUSTON, TX	INTENDED DESTINATION GALVESTON, TX		PHASE OF OPERATION TAXI AERIAL TAXI TO TAKEOFF	
		TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES				
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE REMARKS- TAIL ROTOR STRUCK WIRE DRG HOVER TAXI UNDER WIRE.				

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-2548	8/24/79	NR.ALICE,TX	BELL 47G-4A N8573F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1			COMMERCIAL OTHER	COMMERCIAL, AGE 28, 3410 TOTAL HOURS, 3358 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ALICE,TX	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE HARD LANDING	TAIL ROTOR				PHASE OF OPERATION IN FLIGHT OTHER LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR GEAR BOX MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
		REMARKS- TAIL ROTOR GEAR BOX,PINION SHAFT THRUST BEARING FAILED DRG ROUND-UP.AUTOROTATION AFTR CLRNG TREES.						
3-2104	9/8/79	LAGRANGE,TX	BELL 206R N280C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0			NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 43, 3500 TOTAL HOURS, 150 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT LAGRANGE,TX	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) MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
3-2622	10/5/79	HOUSTON,TX	HUGHES 369D N58193 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 0 1			COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 1203 TOTAL HOURS, 486 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT HOUSTON,TX	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 - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2556	10/9/79 TIME - 1646	DALLAS, TX	HUGHES 369D N8611F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, FL. INSTR., AGE 32, 2830 TOTAL HOURS, 378 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT DALLAS, TX	INTENDED DESTINATION LOCAL		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD 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 SPEED AND ALTITUDE						
FACTOR(S) POWERPLANT - POWERPLANT-INSTRUMENTS OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- LOW LEVEL FUEL WARNING SYS INOP DUE TO FAILURE OF DIODE, PN 2N3638.						
3-3325	10/29/79 TIME - 0930	NR. SANDERSON, TX	HUGHES 269B N9544F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 31, 933 TOTAL HOURS, 430 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT SANDERSON, TX	INTENDED DESTINATION LOCAL		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
		TYPE OF ACCIDENT COLLIDED WITH TREES				
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.						
FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS						

BRIFFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3114	11/17/79	BAY CITY, TX	SCORPION II NONE DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0 OT- 1 0 0	MISCELLANEOUS TEST	STUDENT, AGE 28, 6 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - BAY CITY MUNI DEPARTURE POINT INTENDED DESTINATION RAY CITY, TX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT HOVERING PROPELLER/ROTOR ACCIDENT TO PERSON IN FLIGHT HOVERING PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIFFING - BRIEFING RECEIVED-METHOD UNKNOWN SKY CONDITION CEILING AT ACCIDENT SITE BROKEN 5000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER (UNLIMITED) NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F NONE 72 WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS 140 11 TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN VFR NONE REMARKS- UNREG EXP HELICOPTER. PLT CLEARED TO TAXI/HOVER. M/R BLADE STRUCK BYSTANDER.						
3-2929	11/29/79	ALICE, TX	BELL 47G-5A N58132 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 53, 5029 TOTAL HOURS, 4464 IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION ALICE, TX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER TAKEOFF VERTICAL PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING REMARKS- DRG TKOF FROM A TRAILER, SKID HOLD-DOWN FELL BACK IN PLACE PRIOR TO LFT-OFF. OPN-HERDING CATTLE.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2977	12/7/79 TIME - 0915	NR.PORT MANSFIELD.TX	ENSTRÖM F-28C N51759 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 36, 667 TOTAL HOURS, 105 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT PORT MANSFIELD.TX		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIGHT 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 PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- MANUALLY OPERATED CLUTCH(BETWEEN ENG & TRANSMISSION)FOUND IN DISENGAGED POSITION.								
3-3438	9/16/79 TIME - 1735	NR.BEAVER,UT	BELL 47G381 N512YP DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 50, 2438 TOTAL HOURS, 65 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT PUFFER LAKE,UT		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT HARD LANDING GEAR COLLAPSED							PHASE OF OPERATION LANDING LEVEL OFF/TOUCHDOWN LANDING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER LEVEL OFF FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE REMARKS- GEOLOGICAL SURVEY FLT.								
3-3439	10/1/79 TIME - 1700	NR.TORREY,UT	BELL 47G381 N8537F DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 30, 2457 TOTAL HOURS, 896 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT TORREY,UT		INTENDED DESTINATION TORREY,UT						
	TYPE OF ACCIDENT HARD LANDING							PHASE OF OPERATION TAKEOFF ABORTED	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT SUSPECTED MECHANICAL DISCREPANCY								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-3256	11/30/79 NR. PROVO, UT TIME - 1630		AEROSPATIAL SA316B N2304P DAMAGE-SUBSTANTIAL	CR-	0	0	1	MISCELLANEOUS TEST	COMMERCIAL, AGE 36, 6920 TOTAL HOURS, 790 IN TYPE. NOT INSTRUMENT RATED.
	DEPARTURE POINT PROVO, UT		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING							PHASE OF OPERATION IN FLIGHT AUTOROTATIVE DESCENT LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - OPEN MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ELECTRICAL SHORT IN TWO-THIRDS MICROSWITCH CAUSED FUEL TO BE SHUT OFF.								
3-3229	12/20/79 NR. CORNICH, UT TIME - 1545		HUGHES 269C N9581F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL BUSINESS	STUDENT, AGE 51, 160 TOTAL HOURS, 106 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CORNICH, UT		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT ROLL OVER							PHASE OF OPERATION TAKEOFF VERTICAL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS								
3-1106	4/12/79 SWANTON, VT TIME - 1750		BELL 47G N9027 DAMAGE-SUBSTANTIAL	CR-	0	0	2	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 32, 429 TOTAL HOURS, 85 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - FRANKLIN COUNTY DEPARTURE POINT SWANTON, VT		INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT HARD LANDING							PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE REMARKS- A/C ROLLED OVER ON R/SIDE AFTER SKID FAILED-WINDS GUSTING TO 14KTS.								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2207	7/30/79 TIME - 1945	POULTNEY,VT	BELL 47G N64816 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 55, 1225 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT POULTNEY,VT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER	CONTROLLED		PHASE OF OPERATION TAKEOFF VERTICAL TAKEOFF VERTICAL	
		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 - ICF-CARBURETOR PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				
		FACTOR(S) WEATHER - HIGH DENSITY ALTITUDE TERRAIN - WET,SOFT GROUND PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		SKY CONDITION BROKEN			CEILING AT ACCIDENT SITE 4500	
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 80	
		TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE	
		REMARKS- ROTOR BLADE STRUCK WATER,D/A APPROX 2000FT.				
3-3030	8/1/79 TIME - 1600	WEST HARTFORD,VT	ENSTROM F28A N2590 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	STUDENT, AGE 26, 250 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WHITE RIVER JCT,VT	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ROLL OVER			PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE				
		FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-0230	2/23/79 TIME - 1035	BLACKSBURG,VA	HILLER 1100 N30VA DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS POLICE PATROL	PRIVATE, AGE 29, 265 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - VPI DEPARTURE POINT BLACKSBURG,VA TYPE OF ACCIDENT COLLISION WITH GROUND/WATER			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE	
			INTENDED DESTINATION LOCAL			
		PROBABLE CAUSE(S) PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL				
		FACTOR(S) WEATHER - LOW CEILING WEATHER - FOG				
		SKY CONDITION OVERCAST VISIBILITY AT ACCIDENT SITE 1/4 MILE OR LESS OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG TYPE OF FLIGHT PLAN NONE REMARKS- FLEW INTO FOG BANK.			CEILING AT ACCIDENT SITE 200 PRECIPITATION AT ACCIDENT SITE NONE TYPE OF WEATHER CONDITIONS IFR	
3-3441	10/4/79 TIME - 1550	MT CRAWFORD,VA	HUGHES 369HS N9076F DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 0 0	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 43, 2997 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SHENANDOAH VALLEY DEPARTURE POINT LURAY CAVERN,VA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION AIRFRAME FAILURE IN FLIGHT			PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
			INTENDED DESTINATION WEYERS CAVE,VA			
		PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS,CONDITIONS - MISCALCULATED FUEL CONSUMPTION MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.				
		FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE FIRE AFTER IMPACT REMARKS- TAIL BOOM SEVERED IN FLIGHT BY MAIN ROTOR BLADES.PLT DECAYED ROTOR RPM TRYING TO STRETCH GLIDE.				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2529	1/22/79	NR. ABERDEEN, WA	HUGHES 369HS N9256F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	COMMERCIAL CONSTRUCTION	AIRLINE TRANSPORT, AGE 45, 10202 TOTAL HOURS, 51 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT ABERDEEN, WA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING			PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE 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- M/R BLADES HIT TAIL BOOM DRG LNDG. PLT STATED-ACFT LOST PWR AFTER TKOF AT APRX 200FT AGL.						
3-0468	4/3/79	CHEHALIS, WA	HILLER UH12D N64867 DAMAGE-MINOR	CR- 0 0 1 PX- 1 0 0	MISCELLANEOUS TEST	AIRLINE TRANSPORT, AGE 49, 11500 TOTAL HOURS, 500 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SOLNOY HELIPAD DEPARTURE POINT CHEHALIS, WA	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT MISCELLANEOUS			PHASE OF OPERATION IN FLIGHT AUTOROTATIVE DESCENT	
PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS COLLECTIVE PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED FACTOR(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL) EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPAD. LATERAL CONTROL PROBLEM PITCH CONTROL PROBLEM REMARKS- MALF OF COLLECTIVE CONTROL, LINKAGE SEPARATED. PAX FELL FROM HELICOPTER.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-0668	4/26/79	NR.WENATCHEE.WA	BELL 47G-3R N6712D DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL	AIRLINE TRANSPORT, AGE 27, 3018 TOTAL HOURS, 37 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT WENATCHEE,WA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED					PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.							
		SPECIAL DATA							
		TOTAL HOURS IN CRIP CONTROL - 261						KIND OF OPERATION - SPRAYING CROPS	
		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						TERRAIN-TYPE - MOUNTAINOUS	
		ELEVATION-AREA BEING TREATED- FEET - 2100						SWATH RUN-HOW FLOWN - WIND CALM	
		PROCEDURE TURNAROUND - SECOND 1/3 TURN							
3-1211	5/9/79	SPOKANE,WA	HUGHES 369D N8601F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 47, 10040 TOTAL HOURS, 16 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - SPOKANE INTL							
		DEPARTURE POINT HANSON CO.HELIPORT	INTENDED DESTINATION SPOKANE,WA					LAST ENROUTE STOP SPOKANE,WA	
		TYPE OF ACCIDENT ROLL OVER						PHASE OF OPERATION LANDING POWER-ON LANDING	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE							
		FACTOR(S) PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS							
		WEATHER - UNFAVORABLE WIND CONDITIONS							
		WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED							
		WEATHER FORECAST - UNKNOWN/NOT REPORTED							
		SKY CONDITION UNKNOWN/NOT REPORTED							
		VISIBILITY AT ACCIDENT SITE 5 OR OVER (UNLIMITED)							
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE							
		WIND VELOCITY-KNOTS 12							
		TYPE OF FLIGHT PLAN NONE							
		REMARKS- WIND GUSTS TO 15KTS.							
								CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED	
								PRECIPITATION AT ACCIDENT SITE NONE	
								WIND DIRECTION-DEGREES 295	
								TYPE OF WEATHER CONDITIONS VFR	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1645	5/15/79	MOSES LAKE,WA	EL TOMCAT MK5A N9044T DAMAGE-DESTROYED	CR-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 3695 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT MOSES LAKE,WA	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							
		SPECIAL DATA							
		TOTAL HOURS IN CROP CONTROL - 3500					KIND OF OPERATION - SPRAYING CROPS		
		KIND OF CROP - GRAIN FIELDS					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC		
		PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED					GLOVES - USED		
		GOGGLES - NOT USED					CRASH HELMET - AVAILABLE USED		
		COCKPIT CRASHPAD - NOT INSTALLED					CRASH BAR - INSTALLED		
		TANK/HOPPER-LOCATION - SIDES					TERRAIN-TYPE - LEVEL,FLAT		
		ELEVATION-AREA BEING TREATED- FEET - 1200					SWATH RUN-HOW FLOWN - WIND CALM		
		REMARKS- HIT PWR POLE.							
3-1639	6/27/79	DALLESPORT,WA	BELL 47G-3R N73234 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 33, 5183 TOTAL HOURS, 186 IN TYPE, NOT INSTRU- MENT RATED.
		NAME OF AIRPORT - THE DALLES MUNI	DEPARTURE POINT DALLESPORT,WA	INTENDED DESTINATION LOCAL				PHASE OF OPERATION LANDING OTHER	
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					LANDING POWER-OFF AUTOROTATIVE LANDING		
		PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - ENGINE LOADED UP PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS							
		FACTOR(S) POWERPLANT - FUEL SYSTEM CARBURETOR PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.							
		REMARKS- PWR RECOVERY FROM AUTOROTATION.HIT T/R FIRST.CARB LEAN IN CRUISE & FULL POWER CONDITIONS.							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1568	6/29/79	NR.QUINCY,WA	HILLER ACFT UH-12E N65048 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 38, 2809 TOTAL HOURS, 1241 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT QUINCY,WA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		PHASE OF OPERATION IN FLIGHT EN ROUTE TO RELOADING AREA LANDING POWER-OFF AUTOROTATIVE LANDING					
PROBABLE CAUSE(S)									
POWERPLANT - FUEL SYSTEM VENTS, DRAINS, TANK CAPS									
MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE									
MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION									
PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING									
PILOT IN COMMAND - MISJUDGED ALTITUDE									
FACTOR(S)									
MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE									
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE									
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									
REMARKS- DRAIN VALVE ON BOOST PUMP LEAKED, ALLOWED ENG DRIVEN PUMP TO DRAW AIR. LOW ALT FERRY, NO LOAD ABD.									
3-2674	9/6/79	NR.ARLINGTON,WA	HILLER FH1100 N377FH DAMAGE-DESTROYED	CR- PX-	0 0	1 0	0 0	COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, AGE 28, 991 TOTAL HOURS, 69 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ARLINGTON,WA	INTENDED DESTINATION ARLINGTON,WA						
		TYPE OF ACCIDENT COLLIDED WITH TREES		PHASE OF OPERATION IN FLIGHT NORMAL CRUISE					
PROBABLE CAUSE(S)									
PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.									
FACTOR(S)									
TERRAIN - HIGH OBSTRUCTIONS									
MISCELLANEOUS ACTS, CONDITIONS - JETTISONED LOAD									
SPECIAL DATA									
TOTAL HOURS IN CROP CONTROL - 150					KIND OF OPERATION - SPRAYING TOWNS				
KIND OF CROP - FOREST-TREES					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC				
PILOT'S SEAT BELT - FAILED ON IMPACT					GLOVES - USED				
GOGGLES - NOT USED					CRASH HELMET - AVAILABLE USED				
COCKPIT CRASHPAD - NOT INSTALLED					CRASH BAR - NOT INSTALLED				
TANK/HOPPER-LOCATION - BELLY					TERRAIN-TYPE - HILLY				
ELEVATION-AREA BEING TREATED- FEET - 700					DENSE WITH TREES				

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-2455	9/15/79 TIME - 1920	RENTON,WA	HUGHES 269B N9355K DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 49, 1724 TOTAL HOURS, 237 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - LONGACRES DEPARTURE POINT SEATTLE,WA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING		INTENDED DESTINATION RENTON,WA PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING 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						
3-2988	9/17/79 TIME - 1315	NR.VANCOUVER,WA	ENSTRÖM 280C N222NT DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PRACTICE	ATP,FLIGHT INSTR., AGE 36, 10911 TOTAL HOURS, 24 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT PORTLAND,OR TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION NOSE OVER/DOWN		INTENDED DESTINATION LOCAL PHASE OF OPERATION LANDING GO-AROUND LANDING POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS,CONDITIONS - ENGINE LOADED UP PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PRACTICE AUTOROTATION. NO ENGINE MALFUNCTION FOUND.PLT STATED-HEL NOSED OVER ON UNEVEN TRRN.						
3-3608	10/27/79 TIME - 0900	AMANDA PARK,WA	HILLER ACFT UH-12D N62377 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, AGE 44, 11153 TOTAL HOURS, 1320 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT AMANDA PARK,WA TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR COLLIDED WITH AUTOMOBILE		INTENDED DESTINATION LOCAL PHASE OF OPERATION IN FLIGHT HOVERING LANDING POWER-ON LANDING		
PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE FACTOR(S) TERRAIN - OTHER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- TAIL ROTOR CABLE,PN H51053-1,FAILED.COLLIDED W PICK-UP TRUCK DRG FORCED LNDG IN SMALL OPEN AREA.						

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-2527	10/31/79	NR.NEAH BAY,WA	HILLER ACFT UH-12E N87977 DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL CONSTRUCTION	COMMERCIAL, FL.INSTR., AGE 33, 6241 TOTAL HOURS. 2639 IN TYPE, NOT INSTRU- MENT RATED.
		DEPARTURE POINT NEAH BAY,WA	INTENDED DESTINATION LOCAL						
		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) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION							
		FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- T/R HIT STUMPS.							
3-3298	12/22/79	NR.MT.VERNON,WA	HUGHES 369D N8303F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL CORP/EXEC	ATP,FLIGHT INSTR., AGE 41, 5040 TOTAL HOURS, 402 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT MT.VERNON,WA	INTENDED DESTINATION LOCAL						
		TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR HARD LANDING						PHASE OF OPERATION TAKEOFF VERTICAL LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM SPRAG SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE							
		FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- TKOF FROM SMALL CLEARING. SPRAG CLUTCH(PN 369A5364)FAILED.							
3-1316	5/30/79	AMHERSTDALE,WV	HUGHES 369D N8674F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 42, 2587 TOTAL HOURS, 1011 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT AMHERSTDALE,WV	INTENDED DESTINATION GILBERT,KY						
		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 - TURBINE ASSEMBLY BEARING,SHAFT MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1586	7/6/79	GARY, WV	BELL 206 N90315 DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 32, 2280 TOTAL HOURS, 1520 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 0945								
		DEPARTURE POINT GARY, WV	INTENDED DESTINATION MINE SITE						
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION GEAR COLLAPSED						PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S) POWERPLANT - TURBINE ASSEMBLY BEARING, SHAFT POWERPLANT - LUBRICATING SYSTEM OTHER MISCELLANEOUS ACTS, CONDITIONS - PRESSURE TOO LOW							
		FACTOR(S) TERRAIN - WET, SOFT GROUND MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND							
		REMARKS- SKID COLLAPSE DUE TO SIDE LOAD IN MUD AFTER LANDING. #6/#7 BEARINGS FAILED, CARBON IN OIL LINE.							
3-3477	8/20/79	KENTUCK, WV	BELL 47G-4A N13PL DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 30, 1323 TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT RATED.
	TIME - 1815								
		DEPARTURE POINT UNKNOWN/NOT REPORTED	INTENDED DESTINATION UNKNOWN/NOT REPORTED						
		TYPE OF ACCIDENT COLLIDED WITH TREES						PHASE OF OPERATION IN FLIGHT PULLUP FROM SWATH RUN	
		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 - FOREST-TREES PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED- FEET - 1020						KIND OF OPERATION - DEFOLIATION (LIQUID) TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - HILLY SWATH RUN-HOW FLOWN - WIND CALM	

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA	
				F	S	M/N			
3-1431	7/1/79 TIME - 0720	LABARGE,WY	HUGHES 369D N8667F DAMAGE-SUBSTANTIAL	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 31, 2374 TOTAL HOURS, 212 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT BIG PINEY,WY		INTENDED DESTINATION KEMMERER,WY					PHASE OF OPERATION IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION EVASIVE MANEUVER								
	PROBABLE CAUSE(S) POWERPLANT - LUBRICATING SYSTEM LINES,HOSES,FITTING MISCELLANEOUS ACTS,CONDITIONS - OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM								
	FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - CARBON DEPOSITS MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
3-3462	7/20/79 TIME - 1440	NR.ALPINE,WY	AEROSPATIAL S315B N49524 DAMAGE-DESTROYED	CR-	0	1	0	COMMERCIAL	COMMERCIAL, AGE 30, 4000 TOTAL HOURS, 25 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT ALPINE,WY		INTENDED DESTINATION LOCAL					PHASE OF OPERATION TAKEOFF VERTICAL	
	TYPE OF ACCIDENT NOSE OVER/DOWN								
	PROBABLE CAUSE(S) PILOT IN COMMAND - OPERATED CARELESSLY								
	FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED REMARKS- PLT DPTD RIDGE FORGETTING SLING LOAD STILL ATTACHED,LOAD ANCHORED TO TREES & ACFT PULLED INTO GND.								
3-3697	8/18/79 TIME - 1830	NR.KEMMERER,WY	HUGHES 369D N83FC DAMAGE-SUBSTANTIAL	CR-	0	0	1	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 35, 6600 TOTAL HOURS, 1200 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT KEMMERER,WY		INTENDED DESTINATION LOCAL					PHASE OF OPERATION IN FLIGHT HOVERING 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								

BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES			FLIGHT PURPOSE	PILOT DATA
				F	S	M/N		
3-3948	12/28/79	NR.THERMOPOLIS,WY	BELL 206B N16867 DAMAGE-SUBSTANTIAL	CR- 0 0 1			COMMERCIAL	AIRLINE TRANSPORT, AGE 32, 7299 TOTAL HOURS, 2500 IN TYPE, INSTRUMENT RATED.
	TIME - 1600			PX- 0 0 0			OTHER	
		DEPARTURE POINT THERMOPOLIS,WY	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLIDED WITH OBJECT ROLL OVER					PHASE OF OPERATION TAKEOFF VERTICAL TAKEOFF ABORTED	
		PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE						
		FACTOR(S) TERRAIN - HIGH VEGETATION						
		MISCELLANEOUS ACTS,CONDITIONS - LOAD NOT JETTISONED						
		REMARKS- RT SKID CAUGHT SAGEBRUSH DURING LIFTOFF.ACFT HAD 600LB EXT LOAD.						
3-1756	6/6/79	WASHINGTON,DC	BELL 47G3B1 N25MP DAMAGE-DESTROYED	CR- 2 0 0			MISCELLANEOUS	COMMERCIAL, AGE 35, 762 TOTAL HOURS, 655 IN TYPE. NOT INSTRUMENT RATED.
	TIME - 1248			PX- 0 0 0			POLICE PATROL	
		DEPARTURE POINT WASHINGTON,DC	INTENDED DESTINATION LOCAL					
		TYPE OF ACCIDENT COLLIDED WITH TREES					PHASE OF OPERATION IN FLIGHT LOW PASS	
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.						
		PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT						
		FIRE AFTER IMPACT						
		REMARKS- SETTLED WITH POWER.HIT PWR LINE.						

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