Doc NTSB AMM 78 04



## NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C. 20594



## ERAUL LBRARY

BRIEFS OF ACCIDENTS INVOLVING ROTORCRAFT

U. S. GENERAL AVIATION 1976



REPORT NUMBER: NTSB-AMM-78-4

c.  $^2$ 

C SB NM



**UNITED STATES GOVERNMENT** 



NTSB Rotorcraft

AMM 78-4 c.2 1976

TECHNICAL REPORT STANDARD TITLE PAGE

NTSB-AMM-78-4	2.Government Accession No.	3.Recipient's Catalog No.
4. Title and Subtitle Briefs of Accidents	Involving Rotorcraft	5.Report Date April 13, 1978
U.S. General Aviation	n, 1976	6.Performing Organization Code
7. Author(s)		8.Performing Organization Report No.
9. Performing Organizati Bureau of Technology		10.Work Unit No. 2325
National Transportat Washington, D.C. 2	ion Safety Board	11.Contract or Grant No.
		13.Type of Report and Period Covered
12.Sponsoring Agency Nam	e and Address	Accident Reports in Brief Format - U.S. General
NATIONAL TRANSPORTA		Aviation Rotorcraft, 1976
Washington, D. C.	20594	14.Sponsoring Agency Code
15.Supplementary Notes	·	<u> </u>

## .

## 16.Abstract

This publication contains reports of U.S. general aviation rotorcraft accidents occurring in 1976. Included are 275 accident Briefs, 33 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.

17. Key Words Aviation accidence of accident, phase of or aircraft damage, injurie	18.Distribution  This document  to the public  National Techn mation Service field, Virgin	is available through the sical Infor- e, Spring- sia 22151	
19.Security Classification (of this report) UNCLASSIFIED	20.Security Classification (of this page) UNCLASSIFIED	21.No. of Pages	22.Price

#### 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 file number and 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	36,127,631	4,193	11.60	695	1.92
U.S. General Aviation Accidents Involving Rotorcraft	1,546,275	275	17.80	33	2.13

 $<sup>\</sup>underline{1}$  Source: Federal Aviation Administration. This exposure data is reported yearly to the FAA by the Aircraft owners on AC Form 8050-73.

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.

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

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.

Copies of material ordered will be mailed from the Washington business firm that holds the current contract for commercial reproduction of the Board's public files. Billing is also direct to you by the same company.

Orders for this material will also involve a user service charge by the Board for special services. This charge is in addition to the cost of commercial reproduction of material and will be included in the bill from the commercial reproduction firm.

Requests for reproduction should be forwarded to the:

NATIONAL TRANSPORTATION SAFETY BOARD Public Inquiries Section (AD-46)
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 7 days of the accident.

#### Serious Injury

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

## Substantial Damage

1) Except as provided in subparagraph (2) of this paragraph, substantial damage means damage or structural failure which adversely affects the structural strength, performance, or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component.

2) Engine failure, damage limited to an engine, bent fairings or 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.

## INJURIES.ACCIDENTS U.S. GENERAL AVIATION ROTORCRAFT

1975

## INJURIES

	FATAL	SERIOUS	MINOR	NONE	UNKNOWN		TOTAL
PILOT	22	26	46	215			309
COPILOT	1		2	3			6
DUAL STUDENT	•	3	2	19			24
CHECK PILOT			ĭ	• -			1
FLIGHT ENGINEER Navigator			•				•
CABIN ATTENDANT	_			_			
EXTRA CREW	1	3	3	2			9
PASSENGERS	24	19	43	161			247
TOTAL	48	51	97	400		ABOARD	596
* OTHER AIRCRAFT	2						2
OTHER GROUND			1				1
GRAND TOTAL	50	51	98	400			599

INVOLVES 309 TOTAL ACCIDENTS INVOLVES 26 FATAL ACCIDENTS

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

#### EXPLANATORY NOTES

## KIND OF FLYING

## 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

AERIAL ADVERTISE ATR FLIGHT INSTR. AIR SHOW/RACING AIR TAXI-CARGO AIR TAXI-PASSG APPROACH CTL-DEPARTURE APR CTL-TOW ENRT CTL SRV ASSOC CROP CTL ACTIVITIES ASSOC FIRE CTL ACTIVITIES COMMERCIAL, FLIGHT. INSTR CORP/EXEC CR-CTR CARGO-D CTR CARGO-I CTR PASSG-D CTR PASSG-I LAST ENROUTE STOP MAPPING/PHOTO MIL CONTRACT CARGO INTL MIL CONTRACT PASSG INTL MILITARY CTR CARGO DOM MILITARY CTR PASSG DOM MIL/CTR CARGO MIL/CTR PASSG NR. NS CTR CARGO NS CTR PASSG NS CTR REVENUE CARGO DOM

NS CTR PASSG
NS CTR REVENUE CARGO DOM
NS CTR REVENUE CARGO INTL
NS CTR REVENUE PASSG DOM
NS CTR REVENUE PASSG INTL
OTPARAJUMP

OTPARAJUMP
PRIVATE.FL.INST R.
PXRADAR CTL/SURVEILLANCE
SCHED CARGO SRV
SCHED DOM PASSG SRV

SCHED DOM CARGO SRV SCHED INTERNATL CARGO SRV SCHED INTERNATL PASSG SRV

SCHED PASSG SRV S-D S-I

UNK/NR

AFRIAL ADVERTISING
AIRLINE TRANSPORT INSTRUCTOR
AIR SHOW/AIR RACING
AIR TAXI-CARGO OPERATIONS
AIR TAXI-PASSENGER OPERATIONS
APPROACH CONTROL-DEPARTURE

APPROACH CONTROL-TOWER EN ROUTE CONTROL SERVICE

ASSOCIATED CROP CONTROL ACTIVITIES ASSOCIATED FIRE CONTROL ACTIVITIES COMMERCIAL FLIGHT INSTRUCTOR

CORPORATION/EXECUTIVE

CREW

CONTRACT/CHARTER-CARGO-DOMESTIC
CONTRACT/CHARTER-CARGO-INTERNATIONAL
CONTRACT/CHARTER-PASSENGER-DOMESTIC
CONTRACT/CHARTER-PASSENGER-INTERNATIONAL
LAST PLANNED EN ROUTE LANDING POINT

AERIAL MAPPING/PHOTOGRAPHY
MILITARY CONTRACT-CARGO-INTERNATIONAL

MILITARY CONTRACT-PASSENGER-INTERNATIONAL

MILITARY CONTRACT-CARGO-DOMESTIC MILITARY CONTRACT-PASSENGER-DOMESTIC

MILITARY CONTRACT-CARGO MILITARY CONTRACT-PASSENGER NEAR

NONSCHEDULED/CHARTER REVENUE CARGO-INTRA-STATE NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE NONSCHEDULED/CHARTER REVENUE CARGO-DOMESTIC NONSCHEDULED/CHARTER REVENUE CARGO-INTERNATIONAL NONSCHEDULED/CHARTER REVENUE PASSENGER-DOMESTIC NONSCHEDULED/CHARTER REVENUE PASSENGER-INTERNATL OTHER AIRCRAFT AND GROUND

PARACHUTE JUMP
PRIVATE FLIGHT INSTRUCTOR

PASSENGERS

RADAR CONTROL/SURVEILLANCE SCHEDULED CARGO SERVICE

SCHEDULED DOMESTIC CARGO SERVICE SCHEDULED DOMESTIC PASSENGER SERVICE SCHEDULED INTERNATIONAL CARGO SERVICE SCHEDULED INTERNATIONAL PASSENGER SERVICE

SCHEDULED PASSENGER SERVICE

SCHEDULED DOMESTIC SCHEDULED INTERNATIONAL UNKNOWN/NOT REPORTED Rotorcraft Accidents
U.S. General Aviation
1967 - 1976

Year	Hours Flown 1/	Total Accidents	Total Accident Rate 2/	Fatal Accidents	Fatal Accidents Rate 2/	Fatalities
1967	538,000	264	49.1	32	5.95	53
1968	616,967	250	40.5	35	5.67	46
1969	778,424	273	35.1	33	4.24	52
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

<sup>1/</sup> Source: Federal Aviation Administration.

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

## ACCIDENTS, INJURIES U.S. GENERAL AVIATION ROTORCRAFT 1976

## INJURIES

	FATAL	SERIOUS	MINOR	NONÈ	UNKNOWN		TOTAL
PILOT	24	41	39	171			275
COPILOT	1		1	2			4
DUAL STUDENT		1	3	16			20
CHECK PILOT				4			4
FLIGHT ENGINEER				ì			l
NAVIGATOR							
CABIN ATTENDANT							
EXTRA CREW	2 37		2	5			9
PASSENGERS	37	36	51	90 -			214
TOTAL	64	78	96	289		ABOARD	527
OTHER AIRCRAFT OTHER GROUND							
GRAND TOTAL	64	78	96	289			527

INVOLVES 275 TOTAL ACCIDENTS INVOLVES 33 FATAL ACCIDENTS

N

## KIND OF FLYING BY PILOT CERTIFICATE

## PILOT CERTIFICATE

								Zq.	46.15					
					ر.	~	کی (	142.16	ار حجو	<b>⊢</b> ·	44 216	,		
			143	4	WEBC	_	ردا کر	WEBC	, er. 11.	.ن	140 feb 0.			
KIN	D OF FLYING	ક	DEM'	YATE CO.	MMERCIA	Palvi	COM	, <sup>5</sup> 78	LI FLIT	HOME	UHHO PROPE	RECORDS	ACC ID	ENTS PERCENT
	INSTRUCTIONAL	/												
				_										
	DUAL			2			14	4				22	27	A •00
	SOLO							1				1	1	.36
	CHECK			3				1				٠.	4	1.45
	TRAINING	ı		ı								2	2	.73
	NONCOMMERCIAL											•		
	PLEASURE	3	16		1		9			ı		45	45	16.36
	PRACTICE	3	3	я			1					15	15	5.45
	BUSINESS	2	3	6		•	. 2	1				14	14	5.09
	CORPORATE/6x ECUTIVE			4			1	1				6	6	2.18
	AERIAL SURVEY			ı								1	1	.36
	COMPANY FLIGHT													-
	OTHER													
	COMMERCIAL										•			
	AERIAL APPLICATION		1	29			12	1				43	43	15.64
	CROP CONTROL RELATED FLIGHT			11			9					20	50	7.27
	FIRE CONTROL													
	FIRE CONTROL RELATED FLIGHT			1								1	1	•36
	AERIAL MAPPING/PHOTOGRAPHY		ı	4			1					6	6	2.18
	AERIAL ADVERTISING													
	POWER AND PIPELINE PATROL			S			1					3	3	1.09
	FISH SPOTTING									•				
	AIR TAXI-PASSENGER OPERATIONS			24			4	ı				29	79	10.55
	AIR TAXI-CARGO OPERATIONS													
	CONSTRUCTION WORK			6	1		2					9	9	3.27
	SCHEDULED PASSENGER SERVICE													
	SCHEDULED CARGO SERVICE			1								ı	1	.36
	INTHA-STATE CHARTER PASSG.													
	INTRA-STATE CHARTER CARGO.													
	MILITARY CONTRACT-PASSENGER													
	MILITARY CONTRACT-CARGO													
	CHARTER CARGO-DOMESTIC				1							1	1	.36
	CHARTER PASSG-DOMESTIC			5	2		1					8	8	2.91
	CHARTER-CARGO-INTERNATIONAL													
	CHARTEH-PASSG-INTERNATIONAL													
	OTHER			9	1		2					12	1.5	4.36
	UNKNOWN/NOT REPORTED													

- 3 -

## KIND OF FLYING BY PILOT CERTIFICATE

## PILOT CERTIFICATE

KIND OF TAXING	stup	PRIVATE	MMERCIA	PRIVATE ON	METER L	olkie Mont	July of	A PLED	-55-04		NTS PERCENT	
KIND OF FLYING		4 0		4. 0		<u> </u>			RECORDS	S .CCIDE	412 PERCEAL	
MISCELLANEOUS												
EXPERIMENTATION									_		2 65	
TEST		2 4	•				1		7	7	2.55	
DEMONSTRATION				. 2					2	?	.73	
FERRY		1 8	1	1					11	11	4.00	
SEARCH AND RESCUE				1					1	1	•36	
AIR SHOW/AIR RACING												
PARACHUTE JUMP												
PARACHUTE JUMP-AIR SHOW												
TOWING GLIDERS												
SEEDING CLOUDS												
HUNTING			1		1				2	?	.73	
POLICE PATROL			l	1					2	2	.73	
HIGHWAY TRAFFIC ADVISORY												
ALL OTHER PUBLIC FLYING			5	1	1				7	7	2.55	
OTHER												
UNKNOWN/NOT REPORTED									•			
					<u>.</u>					, , , , , , , , , , , , , , , , , , , ,		
RECUROS	9	27 15	1 7	45	14	1	1		275			
ACCIDENTS	. 9	27 15	1 7	65	14	1	1			275		
PERCENTS	. 3.3	9.8 54.	9 2.5	.0 23.6	5-1	.0 .4	.4					

- 4 -

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

## AIRCRAFT DAMAGE

		AATT DAMAGE			
FIRST TYPE OF ACCIDENT	<u> 0651</u>	OTED STATUAL DEE	RECOR	DS ACCIDEN	TS PERCENT
GROUND-WATER LOOP-SWERVE		1	ı	ı	.36
DRAGGED WINGTIP POD OR FLOAT					
WHEELS-UP LANDING					
WHEELS-DOWN LANGING IN WATER					
GEAR COLLAPSED					
GEAR RETRACTED					
HARD LANDING	4	22	26	26	9.45
NOSE OVER/DOWN		2	2	Z	.73
ROLL OVER	8	20	28	28	10.18
OVERSHOOT					
UNDERSHOOT					
COLLISION SETWEEN AIRCRAFT					
BOTH IN FLIGHT					
ONE AIRBORNE					
BOTH ON GROUND					
COLLISION WITH GROUND/WATER					
CONTROLLED	3	10	13	13	4.73
UNCONTROLLED	8	12	20	20	7.27
COLLIDED WITH					
WIRES/POLES	16	15	31	31	11.27
TREES	3	3	6	6	2.18
RESIDENCE/S					
BUTLOTAG/S					
FENGE, FENGEPOSTS					
ELECTRONIC TOWERS					
RUNWAY OR APPROACH LIGHTS					
AIRPORT HAZARD					
ANTHALS					
CROP	1	2	3	3	1.09
FLAGMAN LOADER					
DITCHES					
Snowbank					
PARKED AIRCRAFT (UNATTENDED)					
AUTOMOTILE					
DIRT SAME					
OTHER	5	5	10	10	3.64
SIRO STRIKE		1	1	1	.36

- 5 -

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE AIRCRAFT DAMAGE

TYPE	FIRST OF ACCIDENT	OESTROYED ANIAN MORE	RECORDS	ACC IDENT	S PERCENT
	STALL				
	SPIN				
	SPIRAL				
	MUSH	1	1	1	.36
	FIRE OR EXPLOSION				
	IN FLIGHT	ı	1	1	.36
	ON GROUND	1 1	2	2	.73
	AIRFRAME FAILURE				
	IN FLIGHT	4	4		. 1.45
	ON GROUND	1	1	1	.36
	ENGINE TEARAWAY				
	ENGINE FAILURE OR MALFUNCTION	14 71	85	85	30.91
	PROPELLER/ROTOR FAILURE				
	PROPELLER ·				
	TAIL ROTOR	9 16	25	25	9.09
	MAIN ROTOR	5 6	11	11	4.00
	PROP ROTOR ACONT TO PERSON				
	JET INTAKE/EXH ACONT TO PERS				
	PROPELLER/JET/ROTOR BLAST			•	
	TURBULENCE				
	HAIL DAMAGE TO AIRCRAFT				
	LIGHTNING STRIKE				
	EVASIVE MANEUVER				
	UNCONTROLLED ALT DEVIATION	·			
	DETCHENG	1	1	1	.36
	MISSING ACFT NOT RECOVERED				
	MISCELLANEOUS/OTHER	1 2	3	3	1.09
	UNDETERMINED.				
			275		
	RECOROS	83 192	613	275	
	ACCIDENTS	83 192		213	
	PERCENTS	30.2 69.8 .0 .0			

## FIRST PHASE OF OPERATION BY INJURY INDEX

## INJURY INDEX

FIRST OPERATIONAL PHASE	(P)	ALSERI	OUS MI	40°	¢.		RECORDS	ACC DENTS	PERCENT
STATIC									
STARTING ENGINE/S									
IDLING ENGINE/S							_		- ·
ENGINE RUNUP			1				1.	1	.36
IDLING ROTORS				2			2	2	.73
PARKED-ENGINES NOT OPERATING							_		
OTHER			1	1			2	2	.73
IXAT									
TO TAKEOFF									
FROM LANDING									
OTHER									
GROUND TAXE TO TAKEOFF				2			2	2	.73
GROUND TAXI FROM LANDING			l				1	ı	.36
GROUND TAXI. OTHER					4				
AERIAL TAXI TO TAKEOFF		ı	1	2			4	4	1 -45
AERIAL TAXI TO/FROM LANDING									
AERIAL TAXI. OTHER		1	1			٠	2	2	.73
TAKEDEE									•
RUN									
INITIAL CLIMB	ι	3	•	7			15	15	5.45
VERTICAL	•	2	7	13			?2		8-00
RUNNING (ROTORCRAFT/VTOL-STOL)	1		2				3	3	1.09
ABORTED (FIXED-WING)									
ABORTED (ROTORCRAFT/VTOL)				ı			ı	1	.36
ABORTEO (ROTORCRAFT/STOL)			ı				1	ι	.36
OTHER	1	1	ı				3	3	1.09
INFLIGHT									
CLIMB TO CRUISE	ı	ı	2	2			6	6	2.18
NORMAL CRUISE	12	10	3	23			48	48 l	7.45
DESCENDING									
HOLDING (IFR)									
HOVERING	1	4	5	15			25	25	9.09
POWER-ON DESCENT (ROTORCRAFT)			2	1		•	3	3	1.09
AUTOROTATIVE DESCENT				2			2	2	.73
ACROBATICS									
BUZZING									
UNCONTROLLED DESCENT	1	3			•		4	4	1.45

- 7 -

## FIRST PHASE OF OPERATION BY INJURY INDEX INJURY INDEX

									•
٠.	FIRST OPERATIONAL PHASE	42	A. Sea	OUS	40°		RECURUS	ACCIDENTS	PERCENT
	EMERGENCY DESCENT		٠.						
	LOW PASS		. 1	2	1		8	8 , ;	2.91
	OTHER	4	3	3	2		. 12	12	4.36
	EN ROUTE TO TREAT CROP		1	1			2	· 2 ·	.73
	EN ROUTE TO RELOADING AREA				1	•	1	1	.36
	SURVEY FIELD/AREA								
	STARTING SWATH RUN		1		6		7	7 .	2.55
	SWATH RUN .			1	16	•	17	17	5.18
	FLAREOUT FOR SWATH RUN			1	3		4	4	1.45
	PULLUP FROM SWATH RUN		2	1	2		5	5	1 .82
	PROCEDURE TURNARCUND	•	1	1	8		10	10	3.64
	CLEANUP SWATH						•		
	MANEUVER TO AVOID DRSTRUCTION		1				1	1	.36
	RETURN TO STRIP			•	2		2	2	•73
	LANDING								
	TRAFFIC PATTERN-CIRCLING	2	1	1	2		6	6 :	2.18
	FINAL APPROACH (VFR)	1			7		. 8 .	8	2.91
	INITIAL APPROACH					•			
	FINAL APPROACH 4 IFR)						•		
	LEVEL OFF/TOUCHDOWN	•			6	_	6	6	2.18
	ROLL (FIXED WING)								
	ROLL-ON/RUN-ON (ROTORCRAFT)				3	· .	3	3	.09
	POWER-ON LANDING (ROTORCRAFT)	3	3	6	11		23	23	N.36
	POWER-OFF AUTOROTATIVE LDG	1		1	10		12	12	• . 36
	GO-AROUND (VFR)		•		1		1	1	.36
	MISSED APPROACH (IFR)								
	OTHER								
	UNKNOWN/NOT REPORTED					·			
	REĆOROS	33	40	50	152		275		
	ACCIDENTS	33	40		152			275	
	PERCENTS	12.0 1							
	. 211-2171-4	12.0	• ,		. ,				

- - -

## ANALYTIC TABLE ATRIPORT PROXIMITY BY WEATHER CONDITION

## WEATHER CONDITION

	452 Fo Strip Wat 1851 50	
ATRPORT PROXIMITY	Me her Ren line.	RECORDS ACCIDENTS PERCENT
ON AIRPORT	53	54 54 19.64
ON SEAPLANE RASE		
ON HELIPORT	Я	8 A 2.9t
ON BARGE/SHIP/PLATFORM	ι	1 1 •36
IN TRAFFIC PATTERN	9 (	10 10 3.64
WITHIN 1/4 MILE	3	3 3 1.09
WITHIN 1/2 MILE	Я	8 8 2.91
WITHIN 3/4 HILE		
WITHIN 1 MILE	1	1 1 .36
WITHIN 2 MILES	•	4 4 1.45
WITHIN 3 MILES	3	3 3 L.09
WITHIN 4 MILES	2	2 2 .73
WITHIN 5 MILES	. 5	2 2 .73
REYOND 5 MILES	154 2 1 3	160 160 5R.18
HNKNOWN/NOT REPORTED	19	19 19 6.91
OTHER	·	
RECORDS	267 2 2 4	275
ACCIDENTS	267 2 2 4	275
DEDCENTS	97-1 .7 .7 1.5	

## ANALYTIC TABLE TYPE OF FLIGHT PLAN BY CONDITION OF LIGHT.

## CONDITION OF LIGHT

[YPE	OF FLIGHT PLAN	Corne Co.	I Card Oil St	(Taile)	er alce	L' MEGHELLER.	4°°	RECORDS	ACCIDE	ENTS PERCENT
	NONE	6 229	я	я	4	ı		256	256	93.09
	VFR	15	ı					16	16	5.82
•	[ FR									
	CONTROLLED VFR									
	IFR (VFR CONDITIONS ON TOP)									
	TOWER EN ROUTE CONTROL SERVICE									
	nveq									
	VER FLIGHT FOLLOWING SERVICE									
	SPECIAL VER			ı				l.	t	.36
	птнея	2						2	7	.73
	UNKNOWN/NOT REPORTED									
	RECORDS	6 246	9	9	4	1		275		
	ACCIDENTS	4 246	9	9	4	ı			275	
	PERCENTS	-2.2 89.5	3.3	3.3	1.5	.4				

## ANALYTIC TABLE PILOT HOURS IN TYPE BY TYPE OF AIRCRAFT

## TYPE OF AIRCRAFT

PILOT HOURS IN TYPE	WET COLES	RECORDS &	CCIDENTS	S PERCENT
UNKNOWN/NOT REPORTED	3	8	A	2.91
LESS THAN 6 HOURS	ı	5	5	1.82
6-10 HOURS	1	А	я	2.91
11-20 HOURS	2	14	14	5.09
21-50 HOURS 2	2	, 25	25	9.09
51-100 HOURS 33	. 3	15	35 (	12.73
101-500 HOURS 9	3	95		34.55
501-1000 HOURS . 33		32	32 1	11.64
MORE THAN 1000 HOURS		53	53 1	19.27 •
RECORDS 260	15	275		
ACCIDENTS 266	15	2	75	
PERCENTS 94.	5.5			

## Accident Rates Selected Helicopter Makes and Models 1/ U.S. General Aviation 1976

Helicopter Make/Model	Active Aircraft	Hours Flown 2/	Total Accidents	Total Accident Rate 3/	Fatal Accidents	Fatal Accident Rate 3/
Bell 47	1,114	401,500	99	24.66	10	2.49
Bell 206	973	586,500	26	4.43	6	1.02
Enstrom F28,28	0 237	48,600	21	43.21	2	4.12
Hiller UH 12	444	101,700	32	31.47	1	0.98
Hughes 269	392	192,400	29	15.07	1	0.52
Hughes 369	247	115,400	16	13.86	2	1.73

These six aircraft represent all helicopters with over 40,000 hours flown.
They also account for 86% of the total number of helicopter accidents.

<sup>2/</sup> Source: Federal Aviation Administration. This exposure data is reported yearly to the FAA by the aircraft owners on AC Form 8050-73.

<sup>3/</sup> The accident rates per 100,000 hours flown.

#### U.S. GENERAL AVIATION ACCIDENTS INVOLVING ROTORCRAFT 1976

#### (EXCLUDES ACCIDENTS WITH NO CAUSAL ASSIGNMENT)

INVOLVES 274 TOTAL ACCIDENTS

INVOLVES 33 FATAL ACCIDENTS

	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
BROAD CAUSE/FACTOR	CAUSE	FACTOR	TOTAL *	CAUSE	FACTOR	101AL*	CAUSE	FACTOR	TOTAL *
PILOT	24 72.73	6 18.18	27 81.82	165 68,46	18 7.47	167 69,29	189 68.98	24 8.76	194 70.80
PERSONNEL	8 24.24	1 3.03	9 2 <b>7.</b> 27	25 10.37	3 1.24	28 11.62	33 12.04	4 1.46	37 13.50
AIRFRAME	1 3.03	.00	1 3.03	1 .41	.00	1 •41	.73	.00	.73
LANDING GEAR	•00	.00	•00	•00	•00	.00	•00	.00	.00
POWERPLANT	4 12.12	.00	4 12.12	50 20,75	2 .83	51 21.16	54 19.71	2 .73	55 20.07
SYSTEMS	.00	.00	•00	1 .41	.00	1 .41	1 .36	.00	1 .36
INSTRUMENTS/EQUIPMENT & ACCESSORIES	.00	.00	.00	3 1.24	1 -41	4 1.66	3 1.09	1 •36	4 1.46
ROTORCRAFT	11 33.33	.00	11 33.33	33 13.69	1 •41	34 14•11	44 16•06	1 •36	45 16.42
AIRPORT/AIRWAYS/FACILITIES	.00	.00	•00	.00	3 1.24	3 1•24	•00	3 1.09	3 1.09
WEATHER	1 3.03	5 15.15	6 18.18	6 2.49	23 9.54	29 12.03	7 2.55	28 10.22	35 12.77
TERRAIN	3.03	10 30.30	11 33.33	19 7.88	63 26,14	82 34.02	20 7.30	73 26.64	93 33.94
MISCELLANEOUS	1 3.03	.00	1 3.03	13 5.39	2 .83	15 6,22	14 5.11	2 •73	16 5.84
UNDETERMINED	.00	•00	•00	6 2.49	•00	6 2.49	6 2.19	•00	6 2.19

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

<sup>\*</sup> 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

## U.S. GENERAL AVIATION ACCIDENTS INVOLVING ROTORCRAFT 1976 (EXCLUDES ACCIDENTS WITH NO CAUSAL ASSIGNMENT)

INVOLVES

274 TOTAL ACCIDENTS

INVOLVES

33 FATAL ACCIDENTS

	FAT	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
DETAILED CAUSE/FACTOR	CAUSE	FAC TOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FAC TOR	TOTAL	
** PILOT **										
PILOT IN COMMAND ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT					1	1		1	1	
ATTEMPTED OPERATION REYOND EXPERIENCE/ABILITY LEVEL CONTINUED VER FLIGHT INTO ADVERSE WEATHER CONDITIONS	1		1	2 2	-	2 2	3 2	•	3 2	
DELAYED IN INITIATING GO-AROUND OIVERTED ATTENTION FROM OPERATION OF AIRCRAFT		1	ı	2	2	4	2	1 2	1	
EXCEEDED DESIGN STRESS LIMITS OF AIRCRAFT	1		1	٤	2	•	l	-	ī	
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	7		7	28		2 A	35		35	
MISJUDGED. SPEED. ALTITUDE OR CLEARANCE FAILED TO MAINTAIN ADEQUATE ROTOR RPM	1 2		1 2	1 32	1	1 33	2 34	1	2 35	
FAILED TO USE OR INCORRECTLY USED MISC FOUIPMENT	•	2	2	,,	•	,,	,-	2	2	
FAILED TO FOLLOW APPROVED PROCEDURES. DIRECTIVES ETC	2	. 1	.3	5	_	5	7	1	А	
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				5 1	2	7	5 1	2	7	
IMPROPER OPERATION OF FLIGHT CONTROLS	6		6	27	1	28	33	1	34	
IMPROPER LEVEL OFF				9	1	9	Ą	1	9	
IMPROPER IN-FLIGHT DECISIONS OR PLANNING IMPROPER COMPENSATION FOR WIND CONDITIONS	5		5	я 6		8	13		13	
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	1		1	32	2	34	33	2	35	
INADEQUATE SUPERVISION OF FLIGHT	-	1	1	11	=	11	11	ī	12	
LACK OF FAMILIARITY WITH AIRCRAFT MISMANAGEMENT OF FUEL				. 3	4	. 7	. 3	4	. 7	
EXERCISED PROR JUDGMENT		ı	ı	12	1	12	12	,	12	
OPERATED CARELESSLY		•	•	i	• •	i	ĩ	•	í	
SELECTED UNSUITABLE TERRAIN	1		1	4	1	5	5	1	2	
INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS SPONTANEOUS-IMPROPER ACTION				1	1	2 1	ı	1	ì	
MISJUDGED DISTANCE AND SPEED				?	•	ž	2	•	2	
MISJURGED DISTANCE AND ALTITURE				?		2	2		2	
MISJUNGED SPEED AND ALTITUDE MISJUNGED SPEED				24		24 1	24 1		24 1	
HISJUDGED ALTITUDE AND CLEARANCE			1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	ż		ž	
MISJUDGED ALTITUDE			_	1		1	1		1	
MISJUDGED CLEARANCE PHYSICAL IMPAIRMENT	1		1	9		9	10 2		10	
SPATIAL DISORIENTATION			·	ž		ž	ž		ž	
SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND				1		ı	1		1	
DIRECT ENTRIES	1		1				1		1	
SURTOTAL	31	6	37	238	18	256	269	24	293	
COPILOT										
IMPROPER OPERATION OF FLIGHT CONTROLS				1		1	ι		ı	
SURTOTAL				1		1	1		1	
DUAL STUDENT										
FAILED TO MAINTAIN ADEQUATE ROTHE RPM				4		4	4		. 4	
IMPROPER OPERATION OF FLIGHT CONTROLS IMPROPER LEVEL OFF				1		4 1	1		1	
IMPROPER COMPENSATION FOR WIND CONDITIONS				i		1	ì		i	
LACK OF FAMILIARITY WITH AIRCRAFT				1		1	1		1	
SELECTED UNSUITABLE TERRAIN FAILURE TO RELINGUISH CONTROL				1 2		1 2	1 2		1 2	
MISJUDGED CLEARANCE	1		1	l		1	2		ź	
SUBTOTAL	ı		1	15		15	16		16	
CHECK PILOT	-		-	-						
INADEQUATE SUPERVISION OF FLIGHT				ı	2	3	1	2	3	
LACK OF FAMILIARITY WITH AIRCRAFT				•	ĩ	í	•	ĩ	ĩ	
SUBTOTAL				,		4	1	3	4	
JUDIUIAL				1	3	*	ı	3	*	

, and		AL ACCID		NONE A	TAL ACCI	DENIS	Δ١	L 4CCINE	NTS
DETAILED CAUSE/FACTOR	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PERSONNEL **									
FLIGHT INSTRUCTOR  MAINTENANCE, SERVICING, INSPECTION  IMPROPER MAINTENANCE(MAINTENANCE PERSONNEL)  IMPROPERLY SERVICED AIRCRAFT(GROUND GREW)  IMADEOUATE INSPECTION OF AIRCRAFT(MAINTENANCE PERSONNEL)  IMADEOUATE MAINTENANCE AND INSPECTION	1 1		1 1	5 1 1	1	5 1 1 12	6 2 1 12	1	4 2 1 13
OTHER OPERATIONAL SUPERVISORY PERSONNEL OFFICIENCY. COMPANY MAINTAINED EQMT. SERV. REGULATIONS WEATHER PERSONNEL TRAFFIC CONTROL PERSONNEL AIRPORT SUPERVISORY PERSONNEL AIRMAYS FACILITIES PERSONNEL				. 1		1	1		1
PRODUCTION-DESIGN-PERSONNEL SUBSTANDARD QUALITY CONTROL INCORRECT FACTORY INSTALLATION POOR/INADEQUATE DESIGN MISCELLANEQUS-PERSONNEL GROUND CREWMAN	3 1 1		3 1 1	<b>2</b> ·	1 1	3 1	3 . 1 3	1 1	3 1 4
PASSENGER THIRD PILOT FLIGHT ENGINEER FLIGHT PERSONNEL DISPATCHING (AIR CARRIER ONLY)			1	4		4	4	1	4
SUBTOTAL	A	1	9	24	3	29	34	4	38
** AIRFRAME **									
WINGS Fuselage Windsmields, Windows, Candpies Other Landing Gear	1		1	1	٠	1	1 1		l l
PLIGHT CONTROL SURFACES SUBTOTAL	1		1	ı		ı	2		2
** POWERPLANT **									
ENGINE STRUCTURE MASTER AND CONNECTING RODS CYLINGER ASSEMBLY VALVE ASSEMBLIES MOUNT AND VIBRATION ISOLATORS IGNITION SYSTEM MAGNETOES SPARK PLUG FUEL SYSTEM LINES AND FITTINGS PUMPS FUEL INJECTION SYSTEM OTHER LUBBICATING SYSTEM		-		1 2 2 1		6 2 1 1 2 1 2 2 1	1 2 2 1		1 2 2 1
CODLING SYSTEM PROPELLER AND ACCESSORIES EXHAUST SYSTEM ENGINE ACCESSORIES ENGINE CONTROLS THROTTLE-POWER LEVER ASSEMBLIES POWERPLANT-INSTRUMENTS FUEL OUANTITY GAUGE				1	1	1	1	ı	1 1
MISCELLANEOUS POMERPLANT FAILURE FOR UNDETERMINED REASONS OTHER OIRECT ENTRIES REDUCTION GEAR ASSEMBLY COMPRESSOR ASSEMBLY	2		2	21 1 1	•	21	23 1 1		23 1 1
OTHER COMBUSTION ASSEMBLY TURBINE ASSEMBLY WHEEL. TURBINE BLADE, TURBINE WHEEL ACCESSORY ORIVE ASSEMBLY LUBRICATING SYSTEM	1		ı	1 1 3		1 3	l 2 3		1 2 3

POWERPLANT (CONTINUED)	FAI	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
NETAILED CAUSE/FACTOR		FAC TOR			FAC TOR			FAC TOR	TOTAL	
FIJEL SYSTEM PUMP. FUEL FUEL CONTROL OTHER SAFETY SYSTEM IGNITION SYSTEM TORQUEMETER AIR BLEED EXHAUST SYSTEM THRUST REVERSER PROPELLER SYSTEM CONSTANT SPEED DRIVE	1		1	3	1	1 3	3 1	1	1 3 1	
POWER LEVER PROPELLER LEVER REVERSE THRUST LEVER ENGINE INDICATING EQUIPMENT ENGINE INSTALLATION										
SUBTOTAL			4	51	2	53	55	2	57	
## SYSTEMS ##										
ELECTRICAL SYSTEM HYDRAULIC SYSTEM RESERVOIR. LINES. FITTINGS FILIGHT CONTROL SYSTEMS FLIGHT CONTROL ROOST SYSTEM (HYDRAULIC) ANTI-CICING. DE-ICING SYSTEMS AIR CONDITION. HEATING AND PRESSURIZATION AUTIT PILOT FIRE MARNING SYSTEM				1		1	1		t, 1	
FIRE EXTINGUISHER SYSTEM OXYGEN SYSTEM OTHER SYSTEMS						•				
SUBTATAL				2		2	2		2	
FLIGHT AND NAVIGATION INSTRUMENTS COMMUNICATIONS AND NAVIGATION EQUIPMENT MISCELLANEOUS EQUIPMENT SPRAY, DUSTING EQUIPMENT OTHER				3	1	3 1	3	1	<b>3</b> 1	
SIJBTOTAL				3	1	4	3		4	
** ROTORCRAFT **										
ROTOR ASSEMBLIES				•						
MAIN ROTOR BLADES TAIL ROTOR BLADES MAIN ROTOR HEAD ASSEMBLIES REARINGS OTHER	2 3 1 1		. 3 1 1	l 3' 5	1	1 4 5 2	. 3 6 5 3 1	1	3 7 5 3 1	
TRANSMISSION ROTOR ORIVE SYSTEM FREE WHEEL UNIT				1		1	ı		1	
TAIL ROTOR ORIVE SMAFT ASSEMBLY TAIL ROTOR GEAR HOX CLUTCH ASSEMBLY	1 2		1 2	5 4 2		5 4 2	6 6 2		6 6 2	
FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM COLLECTIVE PITCH CONTROL SYSTEM TAIL ROTOR PITCH CONTROL SYSTEM STAFILIZING SURFACES-DAMPERS	1		ι	3 1 5 1		3 l 5 l	4 1 5 1		4 1 5 1	
MISCELLANEOUS UNITS AND ASSEMBLIES TAIL BOOMS/PYLONS/CONES	1		1.				ı		1	
SURTOTAL	12		12	33	1	34	45	1	46	
** AIRPORTS/AIRWAYS/FACILITIES **										
AIRPORT FACILITIES AIRPORT CONMITIONS					•	1		1	1	
UNMARKED ORSTRUCTIONS SOFT RUNWAY					1 1	1		ì	1	

ATRPORTS/ATRWAYS/FACILITIES (CONTINUED)		AL ACCIO		NONFATAL ACCIDENTS			ALL ACCIDENTS		
DETAILED CAUSE/FACTOR		FACTOR			FAC TOR			FAC TOR	
OTHER AIRWAYS FACILITIES					1	1		1	1
SUBTOTAL					3	3		3	3
** WEATHER **									
LUM CEILING		2	2		5	5		7	7
FOG SNOW		1 1	1 1		2 1	2 1		3 2	3 2
ICING CONDITIONS—INCLUDES SLEET, FREEZING RAIN, ETC CONDITIONS CONDUCIVE TO CARB/INDUCTION SYSTEM ICING				1	3	1 3	1	3	1
UNFAVORABLE WIND CONDITIONS WIND SHEAR		2	2	2	7	9 1	2	9	11
SUDDEN WINDSHIFT Downorafts, updrafts		1	1	1	1	1 4	1 3	2	1 5
OBSTRUCTIONS.TO VISION HIGH DENSITY ALTITUDE	1.	ı	2		1 7	1 7	1	l A	1 9
SUBTOTAL	1	8	9	я	27	35	9	35	44
** TERRAIN **									
WET. SOFT GROUND				1	2	3	ı	2	3
SNOW-COVERED HIGH VEGETATION					3	3 3		3	3 3
HIDDEN DASTRUCTIONS Rough/Uneven		2	2	9	1 14	1 23	9	1 16	1 25
HIGH OBSTRUCTIONS Sandy	ı	ž	8	9	33	42	10	40	50 1
OTHER		2	2		6	6		Ä	Å
SUBTOTAL	1	11	12	19	63	82	20	74	94
** MISCELLANEOUS **			•						
FOREIGN OBJECT DAMAGE Smoke in Cockpit Foreign material affecting normal operations Undetermined				2 1 6	1	2 1 1	2 1 6	ı	2 1 1
BIRD COLLISION EVASIVE MANEUVER TO AVOID COLLISION UNQUALIFIED PERSON OPERATED AIRCRAFT DIRECT ENTRIES	1		. 1	1 5 1 3	1	1 6 1 3	1 6 1 3	1	1 7 1 3
SUBTOTAL	1		1	19	2	21	20	?	22
GRAND TOTAL	60	26	86	417	123	540	477	149	424
** MISCELLANEOUS ACTS. CONDITIONS **									,
PREVIOUS DAMAGE Leak/Leakage	ı		1	1		. 1	- 1 1		1 1
DOWNWIND CARBON DEPOSITS				2	8	A 2	2	я	8 2
LOOSE, PART/FITTING BINDING	•			1		i i	l l		1
DISCONNECTED ELONGATED				6		6	, 1		6
EXCESSIVE-WEAR/PLAY ERRATIC	1		1	•	1	1	i	1	i
FRAYED				1	•	i	1	•	1
IMPROPERLY INSTALLED OVERHEATED				ī	1	2	ĩ	1	2
PRESSURE, NONE Scored				1	1	1	1	ı	į.
STRIPPED STUCK				1 2	_	1 2	1 2	_	2
V(BRATION. EXCESSIVE LOAD NOT JETTISONED				_	2 6	2	_	2 6	? 6
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE DISREGARD OF GOOD OPERATING PRACTICE				3 1		1	3		3 1
IMPROPER EMERGENCY PROCEDURES UNWARRANTED LOW FLYING	2		2	2	1 1	1 3	4	1	1 5
INATTENTIVE TO FIEL SUPPLY POORLY PLANNED APPROACH	1		ı	2		2	2 l		2 1

MISCELLANEOUS ACTS. CONDITIONS (CONTINUED)	FATAL ACCIDENTS N		NONFA	NONFATAL ACCIDENTS			ALL ACCIDENTS		
DETAILED CAUSE/FACTOR	CAUSE	FACTOR	TO TAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
JETTISONED LOAD				-	2	2	-	2	ž
IMPROPERLY SECURED	_		_	,		3			
FATIGUE FRACTURE	?		?			8	13		1.3
RPM-UNCONTROLLABLE-OVERSPEED	1			1		1	- 4		Z
IMPROPER ALIGNMENT/ADJUSTMENT	ı			•	•	ı	4		
SEPARATION IN FLIGHT		6		1	:		ı	13	1.
FIRE IN CABIN/ COCKPIT/ BAGGAGE COMPARTMENT					į	ŗ		1	ī
FIRE IN ENGINE			_	ı	ŗ	2	ı	1	2
CORRODED/CORROSION	1		1	1		1	2		2
CARGO SHIFTED				1		1	1		ı
CONGESTED TRAFFIC-PATTERN		1	ī			_		ŗ	1
PILOT FATIGUE					ı	1		1	-1
FUEL EXHAUSTION				14		14	14		14
FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL				6		6	6		6
ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT	1		1	1		1	2		2
ICE-IN FUEL				1		1	ı		1
TCE-CARBURE TOR				3		3	3		3
ICE-HINDSHIELD				1		1	ı		1
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG				ı		1	1		1
INTERFERENCE WITH FLIGHT CONTROLS				4		4	4		4
WHITEGUT				1	1	2	1	1	2
SUNGLARE					4	4		4	4
SIMULATED CONDITIONS				2	4	6	2	4	6
WATER IN FUEL				7		7	7		7
AIRCRAFT CAME TO REST IN WATER		8	8		9	9		17	17
MISSING				ı	1	2	i	1	2
TOUCH AND GO LANDING					1	ı		ı	ı
OVERLOAD FAILURE	2		2	1	6	7	3	6	9
MATERIAL FAILURE	3		3	30		30	33		33
FUEL STARVATION			•	8		8	8		8
OIL STARVATION	1		1				ı		1
IMPROPER CLEARANCE-TOLERANCE	1		1	1		1	2		2
- · · · · · · · · · · · · · · · · · · ·	=		-	-		-			

## DIRECT ENTRY CAUSES

PILOT-LOSS OF CONTROL, REASON UNKNOWN
MISC-MOSE IGNITED DRG ROTOR ENGAGEMENT.
MISC-SETTLING WITH POWER
PWR PLT-PRIDR ENG OVERSPEED
MISC-LOSS OF ROTOR RPM FOR UNDETERMINED REASON

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 1976

(IN MAKE AND MODEL SEQUENCE)

!	FILE NUMBER	AIRCRAF		LOCATION	AIRCRAF	MODEL	INJURY INDEX
		•					
3	0151	N9673Z	010176	NCAPISTRANO.CA	BELL	470-1	NONE
3	0149	N2134	011376	SACRAMENTO.CA	BELL	470-1	NONE
3	0143	N51818	021376	PHOENIX.AZ	BELL	47G-2	SERIOUS
3	0126	N2823B	020476	CHESAPEAKE, VA	BELL	47G-2	NONE
3	0508	N6730C	032176	VAN HORN,TX	BELL	47G-2	MINOR
3	0642	N2873B	032676	WHITMORE LAKE, MI	BELL	47G-2	NONE
3	0352	N3GF	021776	ATLANTA, GA	BELL	TH13T	NONE
3	0533	N967B	021576	CHARLESTON, KS	BELL	47G .	NONE
3	0521	N3109G	030676	ENTERPRISE, AL	BELL	4701	NONE
3	0384	N90529	031776	DOWS . IA	BELL	47G-2	NONE
3	1139	N917B	040776	LANCASTER,CA	BELL	470-1	NONE
3	1013	N9195F	031076	STOCKTON, CA	BELL	47G-2	NONE
3	1150	N68630	051376	SAN JUAN CAPST+CA	BELL	470-1	NONE
3	0865	N4837	041276	N MIAMI BEACH, FL	BELL	47G	MINOR
3	1 < 42	N3628G	022276	CLEARWATER.FL	BELL	47G	MINOR
3	1060	N908B	060476	SUBLETTE,KS	BELL	470-1	NONE
3	1318	N46R	060176	CACTUS FLATS.SD	BELL	47G-2	MINOR
3	1270	N7763	050376	PORTAGE.MI	BELL	47G	NONE
3	1370	N40708	050376	STOCKBRIDGE.GA	BELL	47G	NONE
3	1547	N64877	070176	BEEDEVILLE .AR	BELL	47G-2	NONE
3	1551	N163B	061776	RAVENDEN, AR	BELL	478	SERIOUS

## LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

## (IN MAKE AND MODEL SEQUENCE)

١	FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAF		INJURY INDEX
3	1479	N379B	052076	OKLAHOMA CITY+OK	BELL	47G	NONE
3	1988	N2812B	071376	CHESTERFIELD, MO	BELL	47G	MINOR
3	1846	N179B	071976	NPITTSBURG, CA	BELL	47G	MINOR
3	1766	N9238Z	052276	MONTICELLO.IN	BELL	47G-2	MINOR
3	2047	N51748	080676	HARRISBURG , AR	BELL	47G-2	NONE
3	1832	N8422E	033076	JONESBORO , AR	BELL	47G-2	NONE
3	1761	N200J	050476	LAWRENCEVILLE.IL	BELL	47G-2	SERIOUS
3	2224	N38926	071776	MCALLEN.TX	BELL	47G-2	NONE
3	2315	N62221	090876	SAN PEDRO.CA	BELL	47G	MINOR
3	2131	N9043T	061676	BLISSFIELD.MI	EL TOMCAT	MK-5 A	MINOR
3	2190	N9818	082176	TUCKERMAN, AR	BELL	47H-1	NONE
3	2511	N12088	030176	SOUTH BAY,FL	BELL	4701	NONE
3	2495	N955	062476	WAYLAND .NY	BELL	47G-2	NONE
3	2476	N74123	052176	LAKE BUTLER, FL	BELL	47D-1	NONE
3	2677	N10325	091176	WARSAW+NY	BELL	47D-1	NONE
3	2689	N29WL	072476	CENTRE.AL	BELL	47D1	NONE
3	2628	N1178	052576	NB IRCHWOOD + AK	BELL	470-1	FATAL
3	2522	N995D	082776	AUGUSTA + GA	BELL	47	NONE
3	2425	N7737	080676	BREWSTER .NY"	BELL	47D1	FATAL
3	2406	N13299	081476	ELGIN+OK	BELL	47G-2	MINOR
3	2829	N2483B	060976	ELTOPIA.WA	BELL	47G-2	MINOR

## LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAF REGIST.	DATE	LOCATION	AIRCRAF Make	MODEL	INJURY INDEX
3 3059	N1273	090876	RIDGE SPRING.SC	BELL	47G	NONE
3 3055	N106L	072176	NWINTER GARDEN.FL	BELL	47G	MINOR
3 3016	N12412	072976	OSKALOOSA, IA	BELL	47G-2	NONE
3 2907	N818HJ	081776	MANTUA.OH	EL TOMCAT	MARK V	NONE
3 3112	N2772	101276	KERRVILLE,TX	BELL	47G	SERIOU
3 3119	N7732	102676	SONORA,TX	BELL	47G	NONE
3 3404	N67550	110676	PIGEON FORGE.TN	BELL	47G-2	FATAL
3 3192	N919B	081876	ZION GROVE,PA	BELL	47D1	NONE
3 3158	N9115R	100176	JOHNSTOWN.OH	BELL	4701	NONE
3 3443	N178B	101576	NBEAVER.UT	BELL	47G	MINOR
3 3218	N8282E	081776	NCAMPBELLTON.FL	8ELL	47D-1	NONE
3 3357	N2874F	092276	LEIPSIC,OH	TRANSWORLD	47G-2	NONE
3 3267	N9001T	100476	NWASCO, CA	EL TOMCAT	MK5A	NONE
3 3562	N73550	100676	ÚTICA-NY	BELL	47G-2	NONE
3 3848	N3575	121276	VANCEVILLE.GA	BELL	47D1	NONE
3 3909	N6712D	091576	CASHMERE, WA	BELL	47G-38	NONE
3 3890	N7901S	071776	PETERSBURG+AK	BELL	47G381	FATAL
3 3760	N62445	102476	LAREDO+TX	BELL	47G-4A	SERIOUS
3 3431	N7092J	081176	NVANCOUVER , WA	BELL	47G382	NONE
3 4159	N2205W	092576	NMANTUA ,UT	BELL	47G3B2	FATAL
3 2918	N8599F	092276	KING CITY,MO	BELL	47G <b>-</b> 5	NONE

# LISTING OF ACCIDENTS . INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAF	DATE	LOCATION	AIRCRAF Make	MODEL	INJURY INDEX
3 2968	N1338X	082376	ALMA .CO	BELL	47G3B1	FATAL
3 2436	N7915S	091276	LOMPOC.CA	BELL	47G-5	MINOR
3 2395	N88CP	082476	NTAYLORVILLE, CA	BELL	47G3B2	NONE
3 2602	N4074G	082476	NASPEN+CO	BELL	47G382	SERIOUS
3 2584	N8417E	090676	FREER +TX	BELL	47G2A1	NONE
3 2330	N7945S	061576	LOSTINE, OR	BELL	47G-4A	SERIOUS
3 2204	N1424W	070876	NGOOD ING , ID	BELL	47G3B2	NONE
3 2087	N-729AP	081076	MESQUITE, NM	BELL	47G3B1	NONE
3 1911	N2240W	042176	PALOUSE.WA	BELL	47G-38.	NONE
3 1480	N1157W	060276	NKINGSTON, OK	BELL	47G-4	NONE
3 1592	N47042	051776	NBURLEY, ID	BELL	47G3B1	NONE
3 1467	N4713R	061076	WALKER, LA	BELL	47G-5	NONE
3 1568	N73959	042976	NCOALINGA, CA	BELL	47G381	NONE
3 1342	N7894S	061076	SOMERSET, CO	BELL	47G3B1	FATAL
3 1508	N1216W	062876	NATURAL BRIDGE, AL	BELL	47G-4	MINOR
3 1447	N6277N	052176	CLOVERDALE, CA	BELL	47G-5	NONE
3 1262	N4095G	061476	SCOTT CITY+KS	BELL	47G5	NONE
3 1227	N3794G	051276	FORKS.WA	BELL	47G-38	MINOR
3 1146	N7085J	061176	LOS ANGELES,CA	BELL	47G-5	FATAL
3 1224	N58131	051076	SPOKANE, WA	BELL	47G-38	NONE
3 0711	N73952	050476	BUCYRUS +OH	BELL	47G2A1	MINOR

# LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976 (IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT	DATE	LOCATION	AIRCRAF Make	T MODEL	INJURY INDEX
			<b>48</b>			
3 0816	N2249W	040676	GENEVA, NE	BELL	47G-5	NONE
3 0689	N8 563F	030976	ADRIAN,MI	BELL	47G-5	NONE
3 0196	N78H8	021776	NARTESIA WELLS.TX	BELL	47G-4A	NONE
3 0188	N1150W	022576	BILLINGS.OK	BELL	47G-4	MINOR
3 0079	N7948S	011076	ENCINAL.TX	BELL	47G-4A	NONE
3 0999	N2886	052276	WEST GREENWICH+RI	BELL	47K	SERIOUS
3 1594	N73255	053176	BATON ROUGE+LA	BELL	47J-2	MINOR
3 2370	N5154B	080776	ST LOUIS.MO	BELL	47J	NONE
3 2129	N3537S	062076	CARLYLE.IL	BELL	47J-2A	SERIOUS
3 2247	N8523F	062776	KEOKUK,IA	BELL	47J-2A	NONE
3 3023	N1192W	081376	BRANSON.MO	BELL	47J-2A	FATAL
3 3187	N73216	021276	NEW YORK NY	BELL	47J	MINOR
3 3508	N62883	112876	NGLEN IVY,CA	BELL	47J	FATAL
3 3275	N2835B	103176	QUAKE LAKE,MT	BELL	47J-2	NONE
3 3699	N3538S	121276	ELLENVILLE.NY	BELL	47J-2A	SERIOUS
3 3780	N1308X	062276	MASONTOWN . PA	BELL	204-B	SERIOUS
3 3895	N8513F	061776	OZARK+AL	BELL	2048	SERIOUS
3 2324	N8167J	042376	GULF OF MEXICO	BELL	205-A1	FATAL
3 2643	N58116	091376	NORIFT RIVER, AK	BELL	205A-1	MINOR
3 2664	N58013	063076	NPALMER.AK	BELL	206B	FATAL
3 2753	N374EH	091476	NJUNEAU AK	BELL	206B	NONE

# LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976 (IN MAKE AND MODEL SEQUENCE)

FILE	AIRCRAFT			AIRCRAFT		INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
3 2743	N49570	071476	COALVILLE,UT	BELL	206B	MINOR
3 2413	N2291W	091276	BOERNE,TX	BELL	206▲	NONE
3 2207	N143PA	011976	NINTERCSTL CITY, LA	BELL	2068	FATAL
3 2184	N2953W	062876	EAGLE, AK	BELL	2068	NONE.
3 3067	N7941S	062276	NBISHOP, CA	BELL	206B	FATAL
3 3132	N9914K	101776	AZTEC.NM	BELL	2068	NONE
3 3102	N14856	041776	NLEEVILLE .LA	BELL	2068	FATAL
3 2970	N2955W	101976	NVALDEZ,AK	BELL	2068	NONE
3 1873	N8176J	071576	BERWICK .LA	BELL	2068	SERIOUS
3 3946	N59568	072976	COLVILLE RIVER, AK	BELL	206B	NONE
3 3870	N49669	121176	NMORGAN CITY+LA-	BELL	2068	NONE
3 3748	N49667	122876	GULF OF MEXICO	BELL	2068	NONE
3 3323	N372EH	111776	NFLAXMAN ISLAND.AK	BELL	2068	SERIOUS
3 4134	N600SW	070576	NCARSON CITY+NV	BELL	206B	FATAL
3 4160	N49723	121776	NANCHORAGE, AK	BELL	206L	SERIOUS
3 1604	N7849S	031876	NGOBERNADOR, NM	BELL	2068	NONE
3 1748	N100YB	062676	WESTPORT +WA	BELL	2068	NONE
3 1689	N39AL	061176	NTALKEETNA, AK	BELL	2068	NONE
3 1340	N4054G	040176	NEWHALL +CA	BELL	206♣	NONE
3 1200	N96117	022176	NLAGRANDE, OR	BELL	206B	NONE
3 0884	N90188	060376	COLDFOOT ,AK	BELL	2068	NONE

FILE NUMBER	AIRCRAF	T DATE	LOCATION	AIRCRAF MAKE	MODEL	INJURY INDEX
			de			
3 0298	N59481	010476	KENAI+AK	BELL	2068	SERIOUS
3 0166	N59471	010976	NHONOLULU,HI	BELL	206B	FATAL
3 0463	N90217	020276	AUGUSTINE ISLD+AK	BELL	2068	NONE
3 4036	N398EH	101776	CASPER, WY	BELL	8-212	SERIOUS
3 3967	N2271U	123176	FAYETTEVILLE, TN	BRANTLY	828	NONE
3 4089	N44DS	091176	WAUKEGAN . IL	BRANTLY	828	NONE
3 4168	N2255U	060876	GREENBURG, PA	BRANTLY	8-28	NONE
3 0799	N5987X	042776	MARSHALLTOWN, IA	BRANTLEY	8-28	MINOR
3 0636	N5903X	031376	DODGE CITY.KS	BRANTLEY	B-2	NONE
3 4108	N2201U	091576	TELFORD, PA	BRANTLY	305	NONE
3 3329	N2214U	100976	GALESBURG.IL	BRANTLEY	305	SERIOUS
3 2835	N2231U	091176	CHATTANOOGA.OK	BRANTLEY	305	SERIOUS
3 3053	N47091	090576	MIDLAND CITY-AL	HILLER	UH-128	MINOR
3 3093	N62245	092076	CARSON-WA	HILLER ACFT	UH-12D	NONE
3 2282	N87744	061676	NORTH PLATTE, NE	HILLER ACFT	UH-12D	MINOR
3 3488	N67089	101276	MORRISVILLE,NC	HILLER	UH-12D	NONE
3 3820	N62401	102376	LAKE WORTH.FL	HILLER	UH-12D	NONE
3 0355	N62417	031576	ST JACOB+IL	HILLER	UH-12D	NONE
3 1259	N795W	060676	DALLAS CENTER.IA	HILLER ACFT	UH-12D	NONE
3 1046	N62362	031576	MIAMI,FL	HILLER	UH-12D	MINOR
3 0988	N62417	042976	ELDRED, IL	HILLER ACFT	UH-12D	NONE

### LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

### (IN MAKE AND MODEL SEQUENCE)

	FILE	AIRCRAFT	•		AIRCRAF	Ŧ	INJURY
١	IUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
•							
3	0970	N67113	041076	BOUNT IFUL +UT	HILLER ACFT	UH-12D	NONE
3	0951	NSZH	040476	CORVALLIS, OR	HILLER ACFT	UH-12E	MINOR
3	0927	N101EH	042276	WORLEY, ID	HILLER ACFT	UH-12E	MINOR
3	0971	N9732C	040776	GLENOMA, WA	HILLER ACFT	UH-12E	NONE
3	0857	N67159	031476	NBLUFF .UT	HILLER ACFT	UH-12E	SERIOUS
3	0167	N108HA	020376	OAHU,HI	HILLER ACFT	UH-12E	NONE
3	3908	N48001	090776	HUMPTULIPS . WA	HILLER ACFT	UH-12E	SERIOUS
3	3619	N93479	120176	NEILTON, WA	HILLER ACFT	UH-12E	MINOR
3	3530	N7411N	081076	NKENNEWICK, WA	HILLER ACFT	UH-12E	MINOR
3	3521	N5380V	111976	NEPHRATA, WA	HILLER ACET	UH-12E	SERIOUS
3	2333	N6ZH	050476	NALSEA .OR	HILLER ACFT	UH-12E	NONE
3	2200	N5944V	061776	NEZPERCE. ID	HILLER ACFT	UH-12E	NONE
3	3085	N62409	092776	CLARK FORK, ID	HILLER ACFT	UH-12E	NONE
3	3285	N2HL	100476	BRINNON.WA	HILLER ACFT	UH-12E	MINOR
3	2714	N9770C	091076	SALINAS, CA	HILLER ACFT	UH-12E	NONE
3	2749	N96TH	073076	NWRANGELL, AK	HILLER	UH12EJ	NONE
3	2820	N62346	090876	JEROME, ID	HILLER ACFT	UH-12E	NONE
3	1866	N68021	061076	RUPERT.ID	HILLER ACFT	UH-12E	NONE
3	1890	N9785C	051476	NTILLAMOOK.OR	HILLER ACFT	UH-12E	SERIOUS
3	2050	N5360V	062576	NHAPPY CAMP, CA	HILLER ACFT	UH-12E	NONE
3	1792	N47078	081576	SHEEP MOUNTAIN, AK	HILLER ACFT	UH12EJ	FATAL

	FILE	AIRCRAFT	r		AIRCRAF	Ţ	INJURY
ľ	NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
3	2175	N67156	070376	LORE CITY, OH	HILLER	UH-12E	NONE
3	1827	N9278Z	051176	SOMERTON , AZ	HILLER ACFT	UH-12E	NONE
3	2653.	N754F	032676	NHEALY, AK	HILLER ACFT	FH1100	MINOR
3	2305	N441FH	080676	LAKE CITY, AR	HILLER ACFT	FH1100	NONE
3	3526	N8678	121776	RENTON, WA	HILLER ACFT	FH1100	NONE
3	3639	N7457F	111476	TWO BUTTES.CO	HUGHES	269C	NONE
3	3898	N9553F	082776	NPENSACOLA.FL	HUGHES	2698	MINOR
3	4047	N9563F	090176	HOLMES BEACH, FL	HUGHES	2698	NONE
3	3791	N9566F	121476	LONG BEACH, CA	HUGHE S	2698	NONE
3	2347	N9284F	050476	MIAMI.FL	HUGHES	269C	NONE
3	2475	N9435F	061676	LACEYS SPRING.AL	HUGHE S	2698	NONE
3	2713	N9436F	071576	ORANGEBURG + SC	HUGHES	269B	NONE
3	2898	N7435F	072076	MAROA, IL	HUGHE S	269C	NONE
3	2805	N9380F	091176	BATESBURG.SC	HUGHES	2698	SERIOUS
3	2182	N8929F	072576	NABBOTSFORD, WI	HUGHE S	269A	MINOR
3	2085	N8942F	081476	MILAGRO,NM	HUGHES	269A-1	NONE
3	1961	N8873F	080776	ALDEN, KS	HUGHES	269A	NONE
3	2124	N8897F	040376	COMER,GA	HUGHES	269A	SERIOUS
3	2102	N9301F	080576	AMARILLO,TX	HUGHES	269B	SERIOUS
3	3205	N9428F	092876	MILLINGTON.TN	HUGHES	2698	NONE
3	3124	N9440F	051876	BROOMFIELD.CO	HUGHES	2698	NONE

FILE	AIRCRAF	T		AIRCRAF	т	INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
			0046444			
3 3106	N7453F	092576	NVINITA,OK	HUGHES	269C	SERIOUS
3 3017	N9580F	072376	CLUTIER.IA	HUGHE S	269C	NONE
3 0341	N8769F	020876	PINEHURST .NC	HUGHES	269A	NONE
3 0219	N11212	021876	RENTON.WA	HUGHE S	2698	NONE
3 0014	N9685F	010576	SAGINAW,MI	HUGHES	269C	NONE
3 0715	N444E	040376	WEST CHARLESTN.OH	HUGHES	269▲	SERIOUS
3 0536	N8880F	032876	RICHMOND,MI	HUGHES	269▲	MINOR
3 0871	N9653F	051576	HEBRON, IN	HUGHE S	269C	NONE
3 1268	N9397F	053176	GAITHERSBURGH,MD	HUGHES	2698	MINOR
3 1683	N8718F	071276	FAIR PLAY+SC	HUGHES	269A	MINOR
3 1492	N8871F	052276	CASTROVILLE,TX	HUGHES	269▲	NONE
3 1716	N7432F	071076	GOODING.ID	HUGHES	269▲	NONE
3 1495	N8970F	062676	NLAMPASAS,TX	HUGHES	269C	MINOR
3 1815	N55ST	070976	NJUNEAU+AK	HUGHES	369HS	SERIOUS
3 1817	N9079F	080576	NSKAGWAY+AK	HUGHES	369	NONE
3 1813	N500HC	050976	KANDIK AK	HUGHES	369	NONE
3 1483	N500PA	060776	NVINITA+OK	HUGHE S	369HS	NONE
3 1004	N9188F	041276	ALBRIGHT, WV	HUGHES	369HS	NONE
3 3315	N9098F	092776	NANGOON + AK	HUGHES	369HS	SERIOUS
3 3287	N9125F	080476	NINTROSTL CITY+LA	HUGHES	369	SERIOUS
3 3281	N9123F	062876	NTYGH VALLEY, OR	HUGHES	369HS	FATAL

### LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

(IN MAKE AND MODEL SEQUENCE)

FILE	AIRCRAF	т		AIRCRAF	т	INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
3 2193	N8375F	071076	CULVER CITY, CA	HUGHE S	369HS	MINOR
3 2145	N9153F	051876	ELKHART ,KS	HUGHES	369	NONE
3 2719	N9261F	092476	HAENA, KAUAI, HI	HUGHE S	369	MINOR
3 4078	N9200F	072476	NWOODL AND + IL	HUGHES	369HS	SERIOUS
3 3955	N9172F	090276	NHAWK INLET.AK	HUGHE S	369HS	FATAL
3 3696	N609PD	073176	WESTBURY,NY	HUGHES	369	NONE
3 3661	N9213F	102176	PICKNEY, MI	HUGHES	369HS	NONE
3 4170	N9135F	121176	NPONTIAC, IL	HUGHES	369C	FATAL
3 0023	N4331G	012576	SCOTTSVILLE.NY	MCCULLOCH	J-2	NONE
3 0721	N92868	022076	PERKASIE.PA	SIKORSKY	S-51	NONE
3 0431	N54063	020476	MIAMI.FL	SIKORSKY	S-52	MINOR
3. 0097	N3498.	010976	CALIFORNIA, MD	SIKORSKY	S-55	FATAL
3 2732	N2305	100176	TULSA+OK	SIKORSKY	S-558	NONE
3 3261	N9389	092276	NSAN BERNARDINO,CA	SIKORSKY	S-55B	FATAL
3 2939	N41843	090176	FT LAUDERDALE.FL	SIKORSKY	S58E	NONE
3 4152	N8561	113076	HARTFORD TWP+OH	SIKORSKY	S588	SERIOUS
3 0366	N978	031176	SAYREVILLE, NJ	SIKORSKY	s-62	MINOR
3 4084	N6965R	121376	NCOWDREY.CO	SIKORSKY	S-64E	SERIOUS
3 0142	N8622	012976	NMARICOPA, AZ	S.N.A.I.S	SA316B	NONE
3 1810	N3043	061176	BIRD MOUNTAIN, AK	AEROSPATLE	SA318C	NONE
3 1747	N7329	061776	CLEARWATER . WA	AEROSPATLE	SE3133	SERIOUS .

FILE	AIRCRAF	r		AIRCRAF	T	INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
3 1377	N47256	062176	MEDARYVILLE . IN	AEROSPATLE	SE3160	NONE
3 0311	N62373	031076	NLAS VEGAS,NV	S.N. I.A.S	SA314G	NONE
3 0040	N62176	013076	NC IRCLE . AK	S.N.A.I.S.	SA341G	FATAL
3 0171	N6154S	021676	BATON ROUGE.LA	AIR & SPACE	18▲	NONE
3 0653	N6128S	013176	COLLINSVILLE, VA	AIR & SPACE	18A	NONE
3 3665	N73546	091876	OXFORD,KS	AIR & SPACE	184	FATAL
3 3827	N2100	120476	CORONA + CA	SCORPION	T00	FATAL
3 3735	N6536	101676	NLAURENS.SC	BENSEN	8-8M	FATAL
3 3467	N63301	111676	ALSTON, MI	SCORPION	2	FATAL
3 3993	NONE	100276	GULFSTREAM, FL	BENSEN	GYRO	FATAL
3 0680	N2137	022076	PIKEVILLE,KY	MINE-COPTER	R100	NONÉ
3 0577	N21CF	030776	NHOLTVILLE.CA	BENSEN	вам	FÄTAL
3 0476	N525BG	031276	SAN DIEGO,CA	SCORPION	T00	NONE
3 1182	N31170	.051576	DEQUINCY+LA	ROBERTSON	88M	NONE
3 1341	N4672	051576	SALINAS.CA	BENSEN	B8M	NONE
3 1577	N7043	031476	CORONA, CA	SCORPION	TWO	MINOR
3 1522	N12059	061076	MOORESVILLE.IN	BENSEN	в7мС	MINOR
3 1510	N8GB	053176	MULBERRY, FL	BELDEN	B-8M	SERIOUS
3 2973	N158	072976	ROCKFORD , IL	SPORTSTER	HA-2M	NONE
3 2742	N4194	980776	LEHI,UT	BENSEN	8-8M	NONE
3 2307	N8429	071076	NCORNING, AR	OUINN	MK-5A	SERIOUS

### LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

(IN MAKE AND MODEL SEQUENCE)

FILE NUMBER	AIRCRAFT REGIST.	T DATE	LOCATION	AIRCRAF	MODEL	INJURY INDEX
3 3294	N90656	072576	ROCKPORT.LA	BOLKOW	80-105	NONE
3 3626	N149BB	061376	NINTRACOASTAL,LA	BOLKOW	B0105C	FATAL
3 3774	N15SB	080576	BARNEGAT LIGHT.NJ	ENSTROM	F-28A	NONE
3 3512	N9576	040576	PASADENA,CA	ENSTROM	F-28A	NONE
3 3984	N282Q	111676	COLUMBUS, OH	ENSTROM	F-28A	MINOR
3 4077	N88BD	080976	ENON, OH	ENSTROM	F-28A	FATAL
3 4024	N498H	100876	DESTIN, FL .	ENSTROM	F-28	NONE
3 4001	N1224R	070576	LUTESVILLE.MO	ENSTROM	F-28A	SERIOUS
3 2497	N9589	072076	COLLEGEVILLE, PA	ENSTROM	F-28A	SERIOUS
3 2412	N9057	081276	BROWNSVILLE,TX	ENSTROM	F-28A	MINOR
3 2864	N625H	070476	ORTONVILLE, MN	ENSTRON	F-28	MINOR
3 2936	N1620	100476	LAKE PLACID, FL	ENSTROM	F-28A	NONE
3 2010	N2900	050876	COOPERSBURG, PA	ENSTROM	F-28A	NONE
3 1993	N426RD	041776	BRIGANTINE, NJ	ENSTROM	F-28A	NONE
3 2114	N539H	040876	NEVANSTON.WY	ENSTROM	F-28C	NONE
3 1892	N530H	051776	PRAIRIE CITY+OR	ENSTROM	F-28A	MINOR
3 1699	N2690	040476	BLYTHE, CA	ENSTROM	F-28A	NONE
3 1865	N715BP	042376	WHITE BIRD . ID	ENSTROM	F-28A	SERIOUS
3 1976	N9552	060276	MENOMINEE,MI	ENSTROM	F-28A	NONE
3 1392	N9259	060876	NISLAND BEACH+NJ	ENSTROM	F-28A	MINOR
3 0547	N9599	021576	E MORICHES, NY	ENSTROM	F-28A	NONE

### LISTING OF ACCIDENTS INVOLVING ROTORCRAFT U.S. GENERAL AVIATION 1976

### (IN MAKE AND MOBEL SEQUENCE)

FILE	AIRCRAF	τ		AIRCRAFT		INJURY	
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX	
3 0322	N9263	022776	NGUNTERSVILLE, AL	ENSTROM	F-28A	FATAL	
3 0756	N9577	033176	NSAN CARLOS+CA	ENSTROM	F-28A	MINOR	

FILE	AIRCRAF	Т		AIRCRAF	Т	INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
3 0014	N9685F	010576	SAGINAW, MI	HUGHE S	269C	NONE
3 0023	N4331G	012576	SCOTTSVILLE,NY	MCCULLOCH	J-2	NONE
3 0040	N62176	013076	NCIRCLE, AK	S.N.A.I.S.	SA341G	FATAL
3 0079	N7948S	011076	ENCINAL ,TX .	BELL	47G-4A	NONE
3 0097	N3498	010976	CALIFORNIA, MD	SIKORSKY	S <b>-</b> 55	FATAL
3 0126	N2823B	020476	CHESAPEAKE .VA	BELL	47G-2	NONE
3 0142	N8622	012976	NMARICOPA, AZ	S.N.A.I.S	SA316B	NONE
3 0143	N51818	021376	PHOEN IX . A Z	BELL	47G-2	SERIOUS
3 0149	N2134	011376	SACRAMENTO, CA	BELL	470-1	NONE
3 0151	N9 67 3 Z	010176	NCAPISTRANO,CA	BELL	47D-1	NONE
3 0166	N59471	010976	NHONOLULU, HI	BELL	206B	FATAL
3 0167	N108HA	020376	OAHU,HI	HILLER ACFT	UH-12E	NONE
3 0171	N6154S	021676	BATON ROUGE.LA	AIR & SPACE	18A·	NONE
3 0188	N1150W	022576	BILLINGS OK	BELL	47G-4	MINOR
3 0196	N78HB	021776	NARTESIA WELLS.TX	BELL	47G-4A	NONE
3 0219	N11212	021876	RENTON, WA	HUGHES:	2698	NONE
3 0298	N59481	010476	KENAI+AK	BELL	206B	SERIOUS
3 0311	N62373	031076	NLAS VEGAS.NV	S.N.I.A.S	SA314G	NONE
3 0322	N9263	022776	NGUNTERSVILLE, AL	ENSTROM	F-28A	FATAL.
3 0341	N8769F	020876	PINEHURST+NC	HUGHES.	269▲	NONE
3 0352	N3GF	021776	ATLANTA, GA	BELL	TH13T	NONE

EX- NE NOR NE NOR NE NOR NE NOR NE NOR NE
NOR NE NOR NE NOR NE NOR
NOR NE NOR NE NOR NE NOR
NE NOR NE NE NOR
NOR NE NE NOR
NE NE NOR NE
NE NOR NE
NOR NE
ve
NE
_
NOR
NE
TAL
NE
VE:
NE
VE.
NE
NOR
RIOUS
NE

	FILE	AIRCRAF	Т		AIRCRAF	Т	INJURY
١	NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX -
3	0799	N5987X	042776	MARSHALLTOWN.IA	BRANTLEY	8-28	MINOR
3	0816	N2249W	040676	GENEVA . NE	BELL	47G-5	NONE
3	0857	N67159	031476	NBLUFF, UT	HILLER ACFT	UH-12E	SERIOUS
3	0865	N4837	041276	N MIAMI BEACH.FL	BELL	47G	MINOR
3	0871	N9653F	051576	HEBRON, IN	HUGHE S	269C	NONE
3	0884	N90188	060376	COLDFOOT,AK	BELL	2068	NONE
3	0927	NIOIEH	042276	WORLEY, ID	HILLER ACFT	UH-12E	MINOR
3	0951	N5ZH	040476	CORVALLIS, OR	HILLER ACFT	UH-12E	MINOR
3	0970	N67113	041076	BOUNTIFUL, UT	HILLER ACFT	UH-12D	NONE
3	0971	N9732C	040776	GLENOMA, WA	HILLER ACFT	UH-12E	NONE
3	0988	N62417	042976	ELDRED.IL	HILLER ACFT	UH-12D	NONE
3	0999	N2886	052276	WEST GREENWICH,RI	BELL	47K	SERIOUS
3	1004	N9188F	041276	ALBRIGHT, WV	HUGHES	369HS	NONE
3	1013	N9195F	031076	STOCKTON + CA	BELL	47G-2	NONE
3	1046	N62362	031576	MIAMI.FL	HILLER	UH-12D	MINOR
3	1060	N908B	060476	SUBLETTE, KS	BELL	470-1	NONE
3	1139	N917B	040776	LANCASTER.CA	BELL	470-1	NONE
3	1146	N7085J	061176	LOS ANGELES.CA	BELL	47G-5	FATAL
3	1150	N68630	051376	SAN JUAN CAPST, CA	BELL	47D-1	NONE
3	1182	N31170	051576	DEQUINCY . LA	ROBERTSON	B8M	NONE
3	1200	N96117	022176	NLAGRANDE, OR	BELL	2068	NONE

FILE NUMBER	AIRCRAF REGIST.	DATE	LOCATION	AIRCRAF MAKE 	MODEL	INJURY INDEX
3 1224	N58131	051076	SPOKANE, WA	BELL	47G-3B	NONE
3 1227	N3794G	051276	FORKS+WA	BELL	47G-38	MINOR
3 1242	N3628G	022276	CLEARWATER +FL	BELL	47G	MINOR
3 1259	N795W	060676	DALLAS CENTER-IA	HILLER ACFT	UH-12D	NONE
3 1262	N4095G	061476	SCOTT CITY+KS	BELL	47G5	NONE
3 1268	N9397F	053176	GAI THERSBURGH + MD	HU GHE S	269B	MINOR
3 1270	N7763	050376	PORTAGE.MI	BELL	47G	NONE
3 1318	N46R	060176	CACTUS FLATS.SD	BELL	47G-2	MINOR
3 1340	N4054G	040176	NEWHALL .CA	BELL	206A	NONE
3 1341	N4672	051576	SALINAS.CA	BENSEN	88M	NONE
.3 1342	N7894S	061076	SOMERSET .CO	BELL.	47G3B1	FATAL
3 1370	N4070B	050376	STOCKBRIDGE, GA	BELL	47G	NONE
3 1377	N47256	062176	MEDARYVILLE.IN	AEROSPATLE	SE3160	NONE
3 1392	N9259	060876	NISLAND BEACH+NJ	ENSTROM	F-28A	MINOR
3 1447	N6277N	052176	CLOVERDALE .CA	BELL	47G-5	NONE
3 1467	N4713R	061076	WALKER, LA	BELL	47G-5	NONE
3 1479	N379B	052076	OKLAHOMA CITY+OK	BELL	47G	NONE
3 1480	N1157₩	060276	NKINGSTON, OK	BELL	47G-4	NONE
3 1483	N500PA	060776	NVINITA+OK	HUGHES	369HS	NONE
3 1492	N8871F	052276	CASTROVILLE, TX	HUGHES	269A	NONE
3 1495	N8970F	062676	NLAMPASAS+TX	HUGHES	269C	MINOR

FILE NUMBER	AIRCRAF	DATE	LOCATION	AIRCRAF MAKE	T MODEL	INJURY INDEX
3 1508	N1216W	U62876	NATURAL BRIDGE, AL	BELL	47G-4	MINOR
3 1510	N8 GB	053176	MULBERRY,FL	BELDEN	B-8M	SERIOUS
3 1522	N12059	061076	MOORESVILLE.IN	BENSEN	В7МС	MINOR
3 1547	N64877	070176	BEEDEVILLE, AR	BELL	47G-2	NONE
3 1551	N1638	061776	RAVENDEN, AR	BELL	478	SERIOUS
3 1568	N73959	042976	NC TAL INGA +CA	BELL	47G3B1	NONE
3 1577	N7043	031476	COR ONA + CA	SCORPION	TWO	MINOR
3 1592	N47042	051776	NBURLEY : ID	BELL	47G3B1	NONE
3 1594	N73255	053176	BATON ROUGE, LA	BELL	47J-2	MINOR
3 1604	N7849S	031876	NGOBERNADOR + NM	BELL	206B	NONE
3 1683	N8718F	071276	FAIR PLAY+SC	HUGHES	269A	MINOR
3 1689	N39AL	061176	NTALKEETNA, AK	BELL	206B	NONE
3 1699	N2690	040476	BLYTHE, CA	ENSTROM	F-28A	NONE
3 1716	N7432F	071076	GOOD ING , ID	HUGHES	269A	NONE
3 1747	N7329	061776	CLEARWATER, WA	AEROSPATLE	SE3133	SERIOUS
3 1748	N100YB	062676	WESTPORT +WA	BELL	206B	NONE
3 1761	N200J	050476	LAWRENCEVILLE.IL	BELL	47G-2	SERIOUS
3 1766	N9 238 Z	052276	MONTICELLO, IN	BELL	47G-2	MINOR
3 1792	N47078	081576	SHEEP MOUNTAIN.AK	HILLER ACFT	UH12EJ	FATAL
3 1810	N3043	061176	BIRD MOUNTAIN.AK	AEROSPATLE	SA318C	NONE
3 1813	N500HC	050976	KANDIK AK	HUGHES	369	NONE

	FILE	AIRCRAFT	Γ		AIRCRAF	T	INJURY
٨	NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
•							
3	1815	N55ST	070976	NJUNEAU, AK	HUGHES	369HS	SERIOUS
3	1817	N9079F	080576	NSKAGWAY.AK	HUGHE S	369	NONE
3	1827	N9278Z	051176	SOMERTON, AZ	HILLER ACFT	UH-12E	NONE
3	1832	N8422E	033076	JONESBORO.AR	BELL	47G-2	NONE
3	1846	N179B	071976	NPITTSBURG, CA	BELL	47G	MINOR
3	1865	N7158P	042376	WHITE BIRD+ID	ENSTROM	F-28A	SERIOUS
3	1866	N68021	061076	RUPERT, ID	HILLER ACFT	UH-12E	NONE
3	1873	N8176J	071576	BERWICK+LA	BELL	2068	SERIOUS
3	1890	N9785C	051476	NTILLAMOOK,OR	HILLER ACFT	UH-12E	SERIOUS
3	1892	N530H	051776	PRAIRIE CITY.OR	ENSTROM	F-28A	MINOR
3	1911	N2240W	042176	PALOUSE, WA	BELL	47G-3B	NONE
3	1961	N8873F	080776	ALDEN, KS	HUGHES	2694	NONE
3	1976	N9 552	060276	MENOMINEE,MI	ENSTROM	F-28A	NONE
3	1988	N2812B	071376	CHESTERFIELD.MO	BELL	47G	MINOR
3	1993	N426RD	041776	BRIGANTINE, NJ	ENSTROM	F-28A	NONE
3	2010	N2900	050876	COOPERSBURG.PA	ENSTROM	F-28A	NONE
3	2047	N5174B	080676	HARRISBURG , AR	BELL	47G-2	NONE
3	2050	N5360V	062576	NHAPPY CAMP.CA	HILLER ACFT	UH-12E	NONE
3	2085	N8942F	081476	MILAGRO,NM	HUGHES	269A-1	NONE
3	2087	N729AP	081076	MESQUITE, NM	BELL	47G3B1	NONE
3	2102	N9301F	080576	AMARILLO.TX	HUGHES	2698	SERIOUS

-	FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAF MAKE	MODEL	INJURY INDEX
3	2114	N539H	040876	NEVANSTON, WY	ENSTROM	F-28C	NONE
3	2124	N8897F	040376	COMER +GA	HUGHES	269A	SERIOUS
3	2129	N3537S	062076	CARLYLE, IL	BELL	47J-2A	SERIOUS
3	2131	N9043T	061676	BLISSFIELD.MI	EL TOMCAT	MK-5A	MINOR
3	2145	N9153F	051876	ELKHART.KS	HUGHE S	369	NONE
3	2175	N67156	070376	LORE CITY,OH	HILLER	UH-12E	NONE
3	2182	N8929F	072576	NABBOTSFORD.WI	HUGHES	269A	MINOR
3	2184	N2953W	062876	EAGLE , AK	BELL	206B	NONE
3	2190	N9818	082176	TUCKERMAN.AR	BELL	47H-1	NONE
3	2193	N8 375F	071076	CULVER CITY,CA	HUGHES	369HS	MINOR
3	2200	N5944V	061776	NEZPERCE.ID	HILLER ACFT	UH-12E	NONE
3	2204	N1424W	070876	NGOOD ING, ID	BELL	47G3B2	NONE
3	2207	N143PA	011976	NINTERCSTL CITY+LA	BELL	206B	FATAL
3	2224	N38926	071776	MCALLEN+TX	BELL	47G-2	NONE
3	2247	N8523F	062776	KEOKUK•IA	BELL	47J-2A	NONE
3	2282	N87744	061676	NORTH PLATTE, NE	HILLER ACFT	UH-12D	MINOR
3	2305	N441FH	080676	LAKE CITY+AR	HILLER ACFT	FH1100	NONE
3	2307	N8429	071076	NCORNING, AR	OUINN	MK-5A	SERIOUS
3	2315	N62221	090876	SAN PEDRO.CA	BELL	47G	MINOR
3	2324	N8167J	042376	GULF OF MEXICO	BELL	205-A1	FATAL
3	2330	N7945S	061576	LOSTINE, OR	BELL	47G-4A	SERIOUS

PAGE- 39

1	FILE NUMBER	AIRCRAFT	T DATE	LOCATION	AIRCRAF	T MODEL	INJURY INDEX
3	2333	N6ZH	050476	NALSEA +OR	HILLER ACFT	UH-12E	NONE
3	2347	N9284F	050476	MIAMI, FL	HU GHE S	269C	NONE
3	2370	N51548	080776	ST LOUIS.MO	BELL	47 J	NONE -
3	2395	N88CP	082476	NTAYLORVILLE, CA	BELL	47G3B2	NONE
3	2406	N13299	081476	ELGIN,OK	BELL	47G-2	MINOR
3	2412	N9057	081276	BROWNSVILLE+TX	ENSTROM:	F-28A	MINOR
3	2413	N2291W	091276	BOERNE,TX	BELL	206A	NONE
3	2425	N7737	080676	BREWSTER + NY	BELL	4701	FATAL
3	2436	N7915S	091276	LOMPOC+CA	BELL	47G-5	MINOR
3	2475	N9435F	061676	LACEYS SPRING.AL	HUGHES	2698	NONE
3	2476	N74123	052176	LAKE BUTLER, FL	BELL	470-1	NONE
3	2495	N955	062476	WAYLAND, NY	BELL	47G-2	NONE
3	2497	N9589	072076	COLLEGEVILLE . PA	ENSTROM	F-28A	SERIOUS
3	2511	N12088	030176	SOUTH BAY, FL	BELL	4701	NONE
3	2522	N995D	082776	AUGUSTA .GA	BELL	47	NONE
3	2584	N8417E	090676	FREER,TX	BELL	47G2A1	NONE
3	2602	N4074G	082476	NASPEN-CO	BELL	47G3B2	SERIOUS
3	2628	N1178	052576	NBIRCHWOOD, AK	BELL	470-1	FATAL
3	2643	N58116	091376	NORIFT RIVER.AK	BELL	205A-1	MINOR
3	2653	N754F	032676	NHEALY, AK	HILLER ACFT	FH1100	MINOR
3	2664	N58013	063076	NPALMER.AK	BELL	206B	FATAL

	FILE	AIRCRAFT	٢		AIRCRAF	T	INJURY
!	NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
-							
3	2677	N10325	091176	WARSAW+NY	BELL	47D-1	NONE
3	2689	N29WL	072476	CENTRE + AL	BELL	4701	NONE
3	2713	N9436F	071576	ORANGEBURG.SC	HU GHE S	2698	NONE
3	2714	N9770C	091076	SALINAS.CA	HILLER ACFT	UH-12E	NONE
3	2719	N9261F	092476	HAENA, KAUAI, HI	HUGHE S	369	MINOR
3	2732	N2305	100176	TULSA.OK	SIKORSKY	S-55B	NONE
3	2742	N4194	080776	LEHI.UT	BENSEN	B-8M	NONE
3	2743	N49570	071476	COALVILLE +UT	BELL	2068	MINOR
3	2749	N96 TH	073076	NWRANGELL+AK	HILLER	UH12EJ	NONE
3	2753	N374EH	091476	NJUNEAU AK	BELL	2068	NONE
3	2805	N9380F	091176	BATESBURG.SC	HUGHES	2698	SERIOUS
3	2820	N62346	090876	JEROME, ID	HILLER ACFT	UH-12E	NONE
3	2829	N2483B	060976	ELTOPIA.WA	BELL	47G-2	MINOR
3	2835	N2231U	091176	CHATTANOOGA + OK	BRANTLEY	305	SERIOUS
3	2864	N625H	070476	ORTONVILLE, MN	ENSTRON	F-28	MINOR
3	2898	N7435F	072076	MAROA.IL	HUGHES	269C	NONE
3	2907	N818HJ	081776	MANTUA, OH	EL TOMCAT	MARK V	NONE
3	2918	N8599F	092276	KING CITY,MO	BELL	47G-5	NONE
3	2936	N1620	100476	LAKE PLACID, FL	ENSTROM	F-28A	NONE
3	2939	N41843	090176	FT LAUDERDALE, FL	SIKORSKY	\$58E	NONE
3.	2968	N1338X	082376	ALMA,CO	BELL	47G3B1	FATAL

FILE	AIRCRAF	т		AIRCRAF	Т	INJURY
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
				<del></del> -		
3 2970	N2955W	101976	NVALDEZ + AK	BELL	206B	NONE
3 2973	N158	072976	ROCKFORD.IL	SPORTSTER	HA-2M	NONE
3 3016	N12412	072976	OSKALOOSA, IA	BELL	47G-2	NONE
3 3017	N9580F	072376	CLUTIER, IA	HUGHES	269C	NONE
3 3023	N1192W	081376	BRANSON,MO	BELL	47J-2A	FATAL
3 3053	N47091	090576	MIDLAND CITY+AL	HILLER	UH-12B	MINOR
3 3055	N106L	072176	NWINTER GARDEN, FL	BELL	47G	MINOR
3 3059	N1273	090876	RIDGE SPRING.SC	BELL	47G	NONE
3 3067	N7941S	062276	NBISHOP, CA	BELL	206B	FATAL
3 3085	N62409	092776	CLARK FORK.ID	HILLER ACET	UH-12E	NONE
3 3093	N62245	092076	CARSON+WA	HILLER ACFT	UH-12D	NONE
3 3102	N14856	041776	NLEEVILLE . LA	BELL	206B ´	FATAL
3 3106	N7453F	092576	NVINITA+OK	HUGHES	269C	SERIOUS
3 3112	N2772	101276	KERRVILLE.TX	BELL	47G	SERIOUS
3 3119	N7732	102676	SONORA ,TX	BELL	47G	NONE
3 3124	N9440F	051876	BROOMFIELD.CO	HUGHE S	2698	NONE
3 3132	N9914K	101776	AZTEC.NM	BELL	206B	NONE
3 3158	N9115R	100176	HO. NWOTSNHOL	BELL	4701	NONE-
3 3187	N73216	021276	NEW YORK ,NY	BELL	47J	MINOR
3 3192	N919B	081876	ZION GROVE, PA	BELL	4701	NONE
3 3205	N9428F	092876	MILLINGTON,TN	HUGHES	269B	NONE

1	FILE NUMBER	AIRCRAFT REGIST.	DATE	LOCATION	AIRCRAF MAKE	MODEL	INJURY INDEX
3	3218	N8282E	081776	NCAMPBELLTON.FL	BELL	470-1	NOŅE
3	3261	N9 389	092276	NSAN BERNARDINO,CA	SIKORSKY	S <b>-</b> 558	FATAL
3	3267	N9001T	100476	NWASCO+CA	EL TOMCAT	MK5A	NONE
3	3275	N2835B	103176	QUAKE LAKE,MT	BELL	47J-2	NONE
3	3281	N9123F	062876	NTYGH VALLEY.OR	HUGHES	369HS	FATAL
3	3285	N2HL	100476	BRINNON, WA	HILLER ACFT	UH-12E	MINOR
3	3287	N9125F	080476	NINTRCOSTL CITY+LA	HUGHE S	369	SERIOUS
3	3294	N90656	072576	ROCKPORT + LA	BOLKOW	BO <b>-105</b>	NONE
3	3315	N9098F	092776	NANGOON+AK	HUGHE S	369HS	SERIOUS
3	3323	N372EH	111776	NFLAXMAN ISLAND.AK	BELL	2068	SERIOUS
3	3329	N2214U	100976	GALESBURG.IL	BRANTLEY	305	SERIOUS
3	3357	N2874F	092276	LEIPSIC.OH	TRANSWORLD	47G-2	NONE
3	3404	N6755D	110676	PIGEON FORGE.TN	BELL	47G-2	FATAL
3	3431	N7092J	081176	NVANCOUVER, WA	BELL	47G382	NONE
3	3443	N1788	101576	NBEAVER, UT	8ELL	47G	MINOR
3	3467	N63301	111676	ALSTON,MI	SCORPION	2	FATAL
3	3488	N67089	101276	MORRISVILLE.NC	HILLER	UH-12D	NONE
3	3508	N62883	112876	NGLEN IVY.CA	BELL	47J	FATAL
3	3512	N9576	040576	PASADENA, CA	ENSTROM	F-28A	NONE
3	3521	N5380V	111976	NEPHRATA, WA	HILLER ACFT	UH-12E	SERIOUS.
3	3526	N8678	121776	RENTON.WA	HILLER ACFT	FH1100	NONE

FILE NUMBER	AIRCRAF REGIST.		LOCATION	AIRCRAF MAKE 	MODEL	INJURY INDEX
3 3530	N7411N	081076	NKENNEWICK +WA	HILLER ACFT	UH-12E	MINOR
3 3562	N73550	100676	UTICA,NY	BELL	47G-2	NONE
3 3619	N93479	120176	NEILTON, WA	HILLER ACFT	UH-12E	MINOR
3 3626	N149BB	061376	NINTRACOASTAL.LA	BOLKOW	B0105C	FATAL
3 3639	N7457F	111476	TWO BUTTES,CO	HUGHES	269C	NONE
3 3661	N9213F	102176	PICKNEY,MI	HUGHES	369HS	NONE
3 3665	N73546	091876	OXFORD,KS	AIR & SPACE	18A.	FATAL
3 3696	N609PD	073176	WESTBURY, NY	HUGHES	369	NONE
3 3699	N3538S	121276	ELLENVILLE .NY	BELL	47J-2A	SERIOUS
3 3735	N6536	101676	NLAURENS.SC	BENSEN	B-8M	FATAL
3 3748	N49667	122876	GULF OF MEXICO	BELL	206B	NONE
3 3760	N62445	102476	LAREDO.TX	BELL	47G-4A	SERIOUS
3 3774	N15SB	080576	BARNEGAT LIGHT, NJ	ENSTROM	F-28A	NONE
3 3780	N1308X	062276	MASONTOWN, PA	BELL	204 <b>-</b> 8	SERIOUS
3 3791	N9566F	121476	LONG BEACH.CA	HUGHES	269B	NONE
3 3820	N62401	102376	LAKE WORTH.FL	HILLER	UH-12D	NONE
3 3827	N210D	120476	CORONA + CA	SCORPION	TOO	FATAL
3 3848	N3575	121276	VANCEVILLE, GA	BELL	47D1	NONE
3 3870	N49669	121176	NMORGAN CITY.LA	BELL.	206B	NONE
3 3890	N7901S	071776	PETERSBURG, AK	BELL	47G3B1	FATAL
3 3895	N8513F	061776	OZARK.AL	BELL	2048	SERIOUS

FILE NUMBER	AIRCRAF	DATE	LOCATION	AIRCRAF MAKE	MODEL	INJURY INDEX
3 3898	N9553F	082776	NPENSACOLA.FL	HUGHES	269B	MINOR
3 3908	N48001	090776	HUMPTULIPS.WA	HILLER ACFT	UH-12E	SERIOUS
3 3909	N6712D	091576	CASHMERE, WA	BELL	47G-38	NONE
3 3946	N59568	072976	COLVILLE RIVER, AK	BELL	2068	NONE
3 3955	N9172F	090276	NHAWK INLET, AK	HUGHES	369HS	FATAL
			FAYETTEVILLE .TN		B2B	NONE
3 3967	N2271U	123176		BRANTLY		
3 3984	N2820	111676	COLUMBUS.OH	ENSTROM	F-28A	MINOR
3 3993	NONE	100276	GULFSTREAM,FL	BENSEN	GYRO	FATAL
3 4001	N1224R	070576	LUTESVILLE, MO	ENSTROM	F-28A	SERIOUS
3 4024	N498H	100876	DEST IN . FL	ENSTROM	F-28	NONE
3 4036	N398EH	101776	CASPER, WY	BELL	B-212	SERIOUS
3 4047	N9563F	090176	HOLMES BEACH.FL	HUGHES	2698	NONE
3 4077	N888D	080976	ENON, OH	ENSTROM	F-28A	FATAL
3 4078	N9200F	072476	NWOODLAND + IL	HUGHES	369HS	SERIOUS
3 4084	N6965R	121376	NCOWDREY, CO	SIKORSKY	S-64E	SERIOUS
3 4089	N44DS	091176	WAUKEGAN.IL	BRANTLY	B2B	NONE
3 4108	N2201U	091576	TELFORD.PA	BRANTLY	305	NONE
3 4134	N600SW	070576	NCARSON CITY,NV	BELL	2068	FATAL
3 4152	N8561	113076	HARTFORD TWP, OH	SIKORSKY	S58B	SERIOUS
3 4159	N2205₩	092576	NMANTUA,UT	BELL	47G3B2	FATAL
3 4160	N49723	121776	NANCHORAGE + AK	BELL	206L	SERIOUS

FILE	AIRCRAF	7		AIRCR	INJURY	
NUMBER	REGIST.	DATE	LOCATION	MAKE	MODEL	INDEX
~~					. =====	
3 4168	N2255U	060876	GREENBURG . PA	BRANTLY	B-2B	NONE
		•				
3 4170	N9135F	121176	NPONTIAC.IL	HUGHES	369C	FATAL

### NATIONAL TRANSPORTATION SAFETY BOARD

HASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS

INVOLVING ROTORCRAFT

U.S. GENERAL AVIATION

1976

### (IN STATE AND DATE ORDER)

FILE	DATE	LOCATION	AIRCRAFT DATA			IES S M		FLIGHT PURPOSE	PILOT DATA
3-0322	TIME - 19		N9263 DAMAGE-SUBSTANTIAL	_	-	_	-	NONCOMMERCIAL Pleasure/personal	COMMERCIAL, AGE 29, 1012 TOTAL HOURS, 100 IN TYPE, INSTRUMENT RATED.
		IRPORT - GUNTERSVILL	•						
			NTENDED DESTINATION						
		ILLF.AL	LNCAL						
	TYPE OF A				•			F OPERATION	
	CULLISI	ON WITH GROUND/WATER	CONTROLLED			IN	FL	IGHT LOW PASS	
	PROBABLE	CAUSE (S)							
		N COMMAND - FAILED T N COMMAND - PHYSICAL	O FOLLOW APPROVED PRO IMPAIRMENT	CEDUR	ES.	, D Į R	EC T	IVES,ETC.	
	MISCELL	ANEOUS ACTS.CONDITIO	NS - ALCOHOLIC IMPAIR	HENT	OF	EFF	ICI	ENCY AND JUDGMENT	
	FACTORISI								
	MISCELL	ANEOUS ACTS.CONDITIO	NS - CONGESTED TRAFFI	C-PAT	TER	N S			
	MISCELL	ANEOUS ACTS. CONDITIO	NS - AIRCRAFT CAME TO	REST	IN	I WA	TER		
			NAL VIRUS. BLOOD ALCOH						 

FILE	DATE	LOCATION	AIRCRAFT	DATA	เทวิก	RIES		FLIGHT	PILOT DATA
	3/6/76				CR- O				COMMERCIAL, FL.INSTR., AGE 54, 7500 TOTAL HOURS. 192 IN TYPE, INSTRUMENT RATED.
	DEPARTURE ENTERPRI TYPE OF AC COLLIDED	SETAL	INTENDED DEST LOCAL	INATION				OPERATION ERIAL TAXI TO TAKEO	FF
	PILOT IN PILOT IN FACTOR(S)	CAUSEIS) N COMMAND - FAILE N COMMAND - IMPRO N COMMAND - IMPRO - UNFAVORABLE WI	PER OPERATION O PER COMPENSATIO	FFLIGHT	CONTROL	S	•	)NS	
	5 OR OVE OBSTRUCTION NONE WIND DIRECT 240 TYPE OF WI	ED V AT ACCIDENT SIT ER(UNLIMITED) DAS TO VISION AT CTION-DEGREES EATHER CONDITIONS	ACCIDENT SITE	ITER PARK		UNL PRECT NON TEMPE AS WIND 15 TYPE NON	IMITALE RATE	AT ACCIDENT SITE TED ATION AT ACCIDENT SI URE-F DCITY-KNOTS FLIGHT PLAN WITH CURB DRG AIR 3	
3-2475	TIME - 11:	LACEYS SPRING.A 30 IRPORT - SOUTH HU POINT	N9435F DAMAGE-SUE NTSVILLE	STANTIAL	CR- ( PX- (	0 0	2 0	INSTRUCTIONAL DUAL .	COMMERCIAL, FL.INSTR., AGE 28, 3190 TOTAL HOURS, 36 IN TYPE, INSTRUMENT RATED.
	LACEYS !	SPRING,AL CCIDENT	LOCAL					OPERATION G LEVEL DEF/TOUCHOO	JWN
	PILOT I	CAUSE(S) N COMMAND - IMPRO N COMMAND - MISJU PRACTICE AUTOROTA	DGED ALTITUDE	I CUT OFF	·•				

FILE		LOCATION	AIRCRAFT DATA		F	SH	/N		PILOT DATA
	6/17/76 TIME - 18  NAME OF A DEPARTURE OZARK.A TYPE OF A PROPELL  PROBABLE PILOT I AIRFRAM MISCELL ROTORCR MISCELL FACTOR(S) MISCELL	OZARK, AL  IRPORT - BLACKWELL POINT I  CCIDENT ER/ROTOR FAILURE TA  CAUSEIS) N COMMAND - INADEOUA E - FUSELAGE MINDSH ANEOUS ACTS, CONDITIO AFT - ROTOR ASSEMBLI ANEOUS - FOREIGN QBJ  ANEOUS ACTS, CONDITIO	BELL 204B N8513F DAMAGE-SUBSTANTIAL NTENDED DESTINATION LOCAL IL ROTOR TE PREFLIGHT PREPARAT IELDS,WINDOWS,CANOPIE NS - IMPROPERLY SECUR ES TAIL ROTOR BLADES	CR-PX-	0 0 P	2 Q HAS	0 0 E 0 FL	INSTRUCTIONAL DUAL  F OPERATION IGHT CLIMB TO CRUISE	COMMERCIAL, AGE 40, 12814 TOTAL HOURS, 133 IN TYPE, NOT INSTRUMENT RATED.
3-150A	NATURAL TYPE OF A ENGINE COLLIDE PROBABLE PILOT I MISCELL TERRAIN COMPLETE EMERGENCY SPECIAL D TOTAL H	POINT I BRIDGE, AL CCIDENT FAILURE OR MALFUNCTI D WITH TREES  CAUSE(S) N COMMAND - INADEQUA ANEQUS ACTS, CONDITIONS - HIGH OBSTRUCTIONS POWER LOSS - COMPLET CIRCUMSTANCES - FOR	N12164 DAMAGE-SUBSTANTIAL NTENDED DESTINATION LOCAL ON TE PREFLIGHT PREPARAT INS - WATER IN FUEL E ENGINE FAILURE/FLAN CED LANDING OFF AIRPO	PX- ION A REOUT- ORT ON	0 ND/ 1 E	O THAIS TAIL LA	O E O KEO ND I	COMMERCIAL ASSOC CROP CTL ACTIVITY  OF OPERATION FOR INITIAL CLIMB NG POWER-OFF AUTOROTATIVE  NNING  OF OPERATION - CHECKING CR ER FIELD TO BE TREATED.	TOTAL HOURS, 2076 IN TYPE, NOT INSTRUMENT RATEO.

			AIRCRAFT DATA	INJUI F	RIES	/N	FL IGHT PUR POSE	PILOT DATA				
3-2689	7/24/76 TIME - 149	CENTRE.AL 30	BELL 4701 N29WL DAMAGE-DESTROYED	CR- O PX- O	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 28, 3193 TOTAL HOURS 27 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE CENTRE	POINT AL	INTENDED DESTINATION LOCAL									
	THAT AC AL	POINCHY		1	PHASE OF OPERATION							
	ENGINE (	FAILURE OR MALFUI ON WITH GROUND/W	NCTION ATER CONTROLLED		LA	I FL	IGHT PROCEDURE TURNAROL NG LEVEL OFF/TOUCHDOWN	IND				
	MISCELL. Terrain	SUPERVISORY PERSONNEL ( ITIONS - WATER IN FUEL PLETE ENGINE FAILURE/FLA				ANY MAINTAINED EGPMT,SER	VICES.REGULATION					
					•							
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOI ELEVATIO	TROL - 1800  NOWN/NOT REPORTED  INSTALLED  AFT OF PILOT  EATED-FEET - 619  SECOND 1/3 TURN										
			N MATTER FOUND IN ACET F	UEL TANK	.NO	PRO	VISION FOR WATER CHECK I	N FIELD REFUEL TANK				
3-3053	9/5/76 TIME - 180	MIDLAND CITY,A	L HILLER UH-128 N47091 DAMAGE-DESTROYED	CR- O	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	COMMERCIAL, AGE 40, 7128 P TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.				
	NAME OF A DEPARTURE	IRPORT - PRIVATE POINT										
•	TYPE OF A	CCINENT	Lilone				F OPERATION					
	COLLIDE	D WITH OBJECT ON WITH GROUND/W	ATER UNCONTROLLED				FF VERTICAL FF ABORTED	•				
	MISCELL ROTORCR MISCELL	ANEGUS ACTS, COND	OBJECT DAMAGE MBLIES MAIN ROTOR BLADE ITIONS - SEPARATION IN F				·					
	ROTORCA HISCELL FIRE AFTE	AFT - ROTOR ASSE ANEGUS ACTS,COND R IMPACT	MBLIES MAIN ROTOR BLADE	LIGHT			OWN CAJECT.					

			0 1 1 NO	era ur A		'EN	13 				<b>_</b>
FILE	DATE	LOCATION	AIRCRAFT DATA		JUR I F.S				LIGHT URPOSE		PILOT DATA
3-0298	1/4/76 TIME - 00	30 KENAT•K	BELL 206B N59481 Damage—Substantia						ERCIAL Taxi-passg		COMMERCIAL, AGE 33, 2182 TOTAL HOURS, 182 IN TYPE NOT INSTRUMENT RATED.
		IRPORT - KENAI MUN									
	DEPARTURE KENAI.A		INTENDED DESTINATION RETURN	l				ROUTE D SHII			
			NE ( DRA								
		TYPE OF ACCIDENT  COLLISION WITH GROUND/WATER UNCONTROLLED  PHASE OF OPERATION  IN FLIGHT UNCONTROLLED DESCENT									
·	PILOT II FACTOR(S) WEATHER WEATHER WEATHER B	N COMMAND - INITIA N COMMAND - SPATIA - LOW CEILING - FOG RIEFING - BRIEFED	ATED FLIGHT IN ADVERSE AL DISORIENTATION BY FLIGHT SERVICE PER SUBSTANTIALLY CORREC	SONNEL,							
	SKY CONDIT				ÇE	IL	NG	AT AC	CCIDENT SITE		
	VISIAILIT	Y AT ACCIDENT SITE	· '			_		MITAT	N AT ACCIDEN	TSITE	•
		E OR LESS Ons to vision at A	ACCIDENT SITE		TY	PE	OF	WEATH	HER CONDITION	NS	
	SPECIAL	LIGHT PLAN VFR LOST CTL IN BLO MI	INTHUM CONDS						-		•

				1.50				
FILE	DATE	LOCATION	AIRCRAFT DATA		RIES S M		FLIGHT PURPOSE	PILOT DATA
3-0040	1/30/76 NR TIME - 1847		S.N.A.I.S. SA341G N62176 DAMAGE-DESTROYED	CR-			COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 34, 2795 TOTAL HOURS, 15 IN TYPE, NOT INSTRU- MENT RATED,
	DEPARTURE PO KANDIK AII TYPE OF ACCI	RSTRIP.AK	TENDED DESTINATION FIELD SITE		PHASE	: OF	OPERATION	
		WITH GROUND/WATER	UNCONTROLLED .				GHT UNCONTROLLED DESCENT	
	FACTOR(S) WEATHER - WEATHER - WEATHER - WEATHER BRI	S OF CONTROL, REASON LOW CEILING SNOW UNFAYORABLE WIND C EFING - NO RECORD O						
		ON AT ACCIDENT SITE			PREC I	)   P   T	AT ACCIDENT SITE ATION AT ACCIDENT SITE	
٠	1/4 MILE ( OBSTRUCTION: BLOWING SI		SNO WIND 240	DIR	ECTION-DEGREES			
	18 MIND AEFOCIAA-KNOA2 BEDMING 200M					OF	WEATHER CONDITIONS	
	TYPE OF FLIC	•						, t
	REMARKS- WE	A CHNGD DRASTICALLY	AFTER PLT DEPT.					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	ua I S	ES M/	/N	FL IGHT PURPOSE	PILOT DATA
3-0463	2/2/76 TIME - 151	AUGUSTINE ISLD.AK	BELL 206B N90217	CR- PX-	0	D	1 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 3100 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE	POINT 1	NTENDED DESTINATION						
	TYPE OF AC	E ISLD,AK CIDENT	BASE CAMP ON ISLAND		РН	ASE	E OF	OPERATION	
		AILURE OR MALFUNCTI	ÜŅ			TAK	(EOF	FF INITIAL CLIMB NG POWER-OFF AUTOROTATIV	VE LANDING
	PROBABLE C		POWERPLANT FAILURE F	OR UND	e Te	RMI	NEO	D REASONS	•
	FACTOR(S)		O MAINTAIN ADEQUATE R	OTOR R	٠٩.	н.			
		COMMAND - INADEQUA	TE PREFLIGHT PREPARAT	ION AN	0/0	R P	PLAN	INING	
		NEOUS ACTS,CONDITIO OWER LOSS - COMPLET	E ENGINE FAILURE/FLAM	EOUT-1	EN	GIN	١E		
	WEATHER BR	IEFING - NO RECORD	OF BRIEFING RECEIVED			- •	-		
	WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
	SKY CONDITION OVERCAST					IL 1		AT ACCIDENT SITE	
	VISIBILITY		PR		1911	TATION AT ACCIDENT SITE			
		NS TO VISION AT ACC	IDENT SITE			MPE		TURE-F	
	WIND DIREC	TION-DEGREES				ND 30	VEL	OCTTY-KNOTS	
		ATHER CONDITIONS			TY			FLIGHT PLAN	
	REMARKS- B	LOWING SNOW & VOLCA	INIC ASH IN AREA. GUST	ING TO	45	κ.			
3-2653	3/26/76 N	R.HEALY.AK	HILLER ACFT FH1100	CR-	0	D	1	MISCELLANEOUS	COMMERCIAL, FL.INSTR.,
	TIME - 130		N754F DAMAGE-DESTROYED					OTHER PUBLIC	AGE 31, 4255 TOTAL HOURS, 8 IN TYPE, INSTRUMENT RATED.
		is a A.R.	NTENDED DESTINATION JUMBO DOME AREA		LA	ST	ENR	ROUTE STOP I/NOT REPORTED	RAIGU.
	TYPE OF AC	C I DENT	UNCONTROLLED		PH	ASE	OF	OPERATION	
	PROBABLE CAUSE(S)								
•	PILOT IN FIRE AFTER		OPERATION OF FLIGHT	CONTRO	LS				

FILE	DATE	FOCATION	AIRCRAFT DATA	11	JUR F	I E S	S M/N	ELIGHT PURPOSE		PILOT DATA
3-1813	5/9/76 TIME - 2130	KANDIK AK	HUGHES 369 N500HC DAMAGE-SUBSTANT	CR- PX- LAI	0	0	1 1	COMMERCIAL AIR TAXI-PAS	66	COMMERCIAL, AGE 27, 4100 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT RAIED.
		IDENT MP 2	INTENDED DESTINATI KANDIK AK			Ĺ	AND	OF OPERATION ING POWER-ON ING POWER-ON		
	MISCELLAN	T - TURBINE ASS	EMBLY BLADE.TURBINE TIONS - OVERHEATED ATIONS N/R.	WHEEL						
3-262A	5/25/76 NF TIME - 1545	.BIRCHWOOD, AK	RELL 47D-1 N117B DAMAGE-SUBSTANT		0	0	0	NONCOMMERCIA CORP/EXEC		COMMERCIAL, AGE 35, 3070 TOTAL HOURS, 105 IN TYPE, INSTRUMENT RATED.
	DEPARTURE F FIELD SIT TYPE OF ACC ENGINE FA	ILURE OR MALFUN	INTENDED DESTINATI ANCHORAGE,AK	ON		I	N F	OF OPERATION LIGHT NORMAL LING PUWER-OFF		LANDING
	PROBABLE CA POWERPLAN FACTOR(S) MISCELLAN EMERGENCY O	USE(S) T - MISCELLANEO EOUS ACTS.CONDI IRCUMSTANCES -	US POWERPLANT FAILU TIONS - AIRCRAFT CAM FORCED LANDING OFF A ER. PAX DROWNED.	E TO RES	1DE 1	TER 1 W	M [ N A TE	ED REASONS		
-0884		COLDFOOT, AK	N90188	1 -	0	0	1 2	COMMERCIAL AIR TAXI-PAS	se	COMMERCIAL, AGE 34, 7050 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE P FIELD SIT TYPE OF ACC	E IDENT ILURE OR MALFUN	INTENDED DESTINATI COLDFOOT,AK	<b>ON</b>		I	N F	OF OPERATION LIGHT HOVERIN ING POWER-OFF		
	PILOT IN MISCELLAN PILOT IN COMPLETE PO EMERGENCY O	COMMAND - INADE COMMAND - IMPRO IEOUS ACTS, CONDI COMMAND - IMPRO DWER LOSS - COMP	QUATE PREFLIGHT PREP PER IN-FLIGHT DECISI TIONS - FUFL EXHAUSI PER LEVEL OFF LETE ENGINE FAILURE/ FORCED LANDING ON AI	ONS OR PI ION FLAMEOUT	.ANP -1 (	u I n EnG	G INE	:		•

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR I S	ES M	/N	FLIGHT PURPOSE	PILOT DATA
3-1689	6/11/76 TIME - 16	NR.TALKEETNA,AK OO	BELL 206B N39AL DAMAGE-SIBSTANTIAL	CR- PX-	0 0	o 0	1	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 48, 10454 TOTAL HOURS, 1300 IN . TYPE, NOT INSTRUMENT RATED.
	DEPARTURE		INTENDED DESTINATION						
	TYPE OF A	CCIDENT FAILURE OR MALFUNCT D WITH DIRT BANK				IΝ	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATI	VE LANDING
	MISCELL FACTOR(S) TERRAIN POWERPL COMPLETE	ANT - FUEL SYSTEM ANEOUS ACTS, CONDIT  - HIDDEN OBSTRUCT ANT - FUEL SYSTEM POWER LOSS - COMPLI	IONS — FUEL CONTAMINATI Ions	ENUT-1	EN	G I		F WATER IN FUEL	
			OCCURRED AT UNDET TIME				11	MARSH GRASS.	
s∸1810	TIME - 10	30	AEROSPATLE SA318C N3043 DAMAGE-SUBSTANTIAL	PX-	0	0	4	AIR TAXI-PASSG	COMMERCIAL, AGE 28, 2150 TOTAL HOURS, 267 IN TYPE, INSTRUMENT RATED.
		CCIDENI	DAMAGE-SUBSTANTIAL INTENDED DESTINATION BIRD MOUNTAIN, AK		PH	<b>A</b> 2	t u	ROUTE STOP MOUNTAIN,AK F OPERATION NG POWER-ON LANDING	•••••
	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS  FACTOR(S)								
		N COMMAND - EXERCI:	SED POOR JUDGMENT						
3-2184		EAGLE,AK OO	BELL 206B N2953W Damage-Substantial	CR- PX-	0 0	0 0	10	COMMERCIAL CONSTRUCTION	AIRLINE TRANSPORT, AGE 32, 6295 TOTAL HOURS, 500 IN TYPE, NOT INSTRUMENT
	GLACIER TYPE OF A ROLL OV	PEAK•AK CCIDENT	INTENDED DESTINATION LOCAL		PH	EA AS In	GLE E O FL	- A.A.	RATED.
	PILOT I FACTOR(S) TERRAIN			CEDURE	S , D	IR	EC T	IVES,ETC.	

FILE		AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
	6/30/76 NR.PALMER,AK TIME - 1600	BELL 2068 N58013 DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 0 0	COMMEDITAL	AIRLINE TRANSPORT, AGE 36, 3780 TOTAL HOURS, 231 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT GULKANA,AK TYPE OF ACCIDENT ROLL OVER	INTENDED DESTINATION ANCHORGGIAK	PALMER Phase (	NROUTE STOP 1,AK DF OPERATION ING POWER-ON LANDING	RATED.
	FIRE AFTER IMPACT	LECTED UNSUITABLE TERRAIN AND ON STEEP ROCKY RIDGE.			
3-1815	DEPARTURE POINT	HUGHES 369HS N55ST Damage-Substantial Intended destination		COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 32, 3624 TOTAL HOURS, 720 IN TYPE, NOT INSTRUMENT RATED.
	JUNEAU, AK TYPE OF ACCIDENT ENGINE FAILURE OR MALI COLLIDED WITH TREES	LOCAL FUNCTION	PHASE (	DF OPERATION ING TRAFFIC PATTERN-CIR ING POWER-OFF AUTOROTAT	
	MISCELLANEOUS ACTS.COI FACTOR(S) TERRAIN — HIGH OBSTRUI COMPLETE POWER LOSS — CI	CE,SERVICING,INSPECTION I NDITIONS — FUEL CONTAMINAT CTIONS OMPLETE ENGINE FAILURE/FL/ — FORCED LANDING OFF AIRE	ION-EXCLUSIVE ( AMEOUT-1 ENGINE		EW ) :
3-3890	DEPARTURE POINT	K BELL 47G3B1 N79O1S DAMAGE-DESTROYED INTENDED DESTINATION PETERSBURG,AK		NONCOMMERCIAL PLEASURE/PERSONAL TRAN	COMMERCIAL, AGE 29, 3700 SP TOTAL HOURS, 600 IN TYPE NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILU			DF OPERATION LIGHT OTHER	
	ROTORCRAFT - ROTOR AS MISCELLANEOUS ACTS, CO FACTOR(S)	CE,SERVICING,INSPECTION SEMBLIES TAIL ROTOR BLADE NDITIONS - FATIGUE FRACTUR	NADEQUATE MAIN S RE	TENANCE AND INSPECTION	
	MISCELLANEOUS ACTS, CO FIRE AFTER IMPACT REMARKS- T/R BLADES 22.	NDITIONS - SEPARATION IN 6 1HRS PAST MANDATORY CHANGE			

FILE	DATE LOCATION		INJURIES F S M/N	PURPOSE	PILOT DATA
3-3946	7/29/76 COLVILLE RIV TIME - 1000 DEPARTURE POINT COLEVILLE RIVER, AK. TYPE OF ACCIDENT ROLL OVER	ER.AK BELL 206B N5956A DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- σ 0 0		COMMERCIAL, AGE 28, 2582 TOTAL HOURS, 470 IN TYPE, INSTRUMENT RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - IM	PROPER OPERATION OF FLIGHT	CONTROLS		
3-2749	7/30/76 NR.WRANGELL.AK TIME - 1630	HILLER UH12EJ N96TH Damage-Substantial	PX- 0 0 0		COMMERCIAL, AGE 20, 4200 TOTAL HOURS, 650 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT GROUND HOG BASIN AK TYPE OF ACCIDENT ROLL OVER	INTENDED DESTINATION ADIT MINE AK	PHASE (	OF OPERATION NG POWER-ON LANDING	NOT INSTRUMENT RATED.
	FACTORISI PILOT IN COMMAND - DI	LECTED UNSUITABLE TERRAIN VERTED ATTENTION FROM OPER FLOAT ON ROCK OUTCROP W R (			
3-1817	8/5/76 NR.SKAGWAY,AK TIME - 1430	. HUGHES 369 N9079F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 27, 3020 TOTAL HOURS, 680 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT SKAGWAY.AK	INTENDED DESTINATION FIELD SITE	Du. 66. 6	or open 1100	
	TYPE OF ACCIDENT COLLIDED WITH OBJECT			OF OPERATION ING POWER-ON LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - SE FACTOR(S) TERRAIN - HIGH OBSTRU REMARKS- M/R ALADES HIT		•		

FILE	DATE LOCATION		INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
	8/15/76 SHEEP MOUNTA TIME - 1930 DEPARTURE POINT ORANGE HILLS.AK TYPE OF ACCIDENT . COLLIDED WITH WIRES/	IN,AK HILLER ACFT UH12EJ N47078 Damage-destroyed Intended destination Palmer,ak	CR- 1 0 0 PX- 0 0 0  LAST ENRI GULKAN PHASE OF	MISCELLANEOUS FERRY OUTE STOP A.AK	COMMERCIAL, AGE 39, 5856 TOTAL HOURS, 82 IN TYPF, NOT INSTRUMENT RATED.
	FACTOR(S) TERRAIN - HIGH OBSTRU	ILED TO SEE AND AVOID OBJE CTIONS WR LINES ABT 175FT AGL IN		ONS	
3-3955	9/2/76 NR.HAWK INLET. TIME - 1715	AK HUGHES 369HS N9172F DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 37, 6709 TOTAL HOURS. 367 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT EXPLORATION CAMP TYPE OF ACCIDENT COLLIDED WITH TREES	INTENDED DESTINATION HAWK INLET.AK		OPERATION GHT CLIMB TO CRUISE	
		SJUDGED DISTANCE,SPEED,ALT ILED TO MAINTAIN ADEQUATE PDRAFTS		CE	
	SKY CONDITION OVERCAST VISIBILITY AT ACCIDENT UNKNOWN/NOT REPORTED OBSTRUCTIONS TO VISION UNKNOWN/NOT REPORTED		UNKNOW PRECIPIT UNKNOW	AT ACCIDENT SITE N/NOT REPORTED ATION AT ACCIDENT SI N/NOT REPORTED ECTION-DEGREES	1E
	WIND VELOCITY-KNOTS  30  TYPE OF FLIGHT PLAN  VFR FIRE AFTER IMPACT  REMARKS- RIDGES ON BOTH			WEATHER CONDITIONS	

PAGE 5A

	LOCATION	AIRCRAFT DATA	INJUR F	IES S m/N	PURPOSE	PILOT DATA			
		BELL 205A-1	CR- 0 PX- 0	0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 31, 2325			
DEPARTUR					NROUTE STOP				
DRIFT			FIEL						
TYPE OF ACCIDENT  ROLL OVER  PHASE OF OPERATION  LANDING POWER-ON LANDING									
FACTOR(S PILOT WEATHE WEATHE TERRAI WEATHER WEATHER	IN COMMAND - IMPROPE ER - INFAVORABLE WIND ER - DOWNDRAFT, UPDRAF IN - ROUGH/UNEVEN BRIEFING - NO RECORD FORECAST - UNKNOWN/NO	R OPERATION OF POWERP CONDITIONS TS OF BRIEFING RECEIVED	LANT & POI	WERPL					
SKY COND			Ci	6000 6000	S AT ACCIDENT SITE				
	ITY AT ACCIDENT SITE		PRECIPITATION AT ACCIDENT SITE						
	DVERTUNLIMITEDI FIONS TO VISION AT ACC	CIDENT SITE	RAIN SHOWERS WIND DIRECTION-DEGREES 90						
10 MIND AEF	LOCITY-KNOTS		T	YPE OF VFR	WEATHER CONDITIONS				
	FLIGHT PLAN								
REMARKS-	- PLT RPRTD WIND GUST	ING 15K.WIND ESTIMATE	D 50-60K /	AF TR	ACCIDENT.				

			BRIEF	OF ACCIDENTS		
FILE		LOCATION	AIRCRAFT DATA		FLIGHT PURPOSE	PILOT DATA
		R.JUNEAU AK	BELL 2068 N374EH DAMAGE-SIIBSTANTTAL	CR- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 29, 4697 TOTAL HOURS, 2040 IN TYPE, NOT INSTRUMENT RATED
	DEPARTURE	POINT	INTENDED DESTINATION			
	FIELD SI		JUNE AU + AK			
	TYPE OF AC				OF OPERATION	
	COLLIDED	WITH TREES		TAKE	OFF INITIAL CLIMB	
	PROBABLE C	AUSE(S)				
	WEATHER	- WIND SHEAR - DOWNDRAFT.UPDR	AFTS			
•			ATED FLIGHT IN ADVERSE OR OF BRIEFING RECEIVED	EATHER CONDIT	IONS	
		CIRCUMSTANCES -	FORCED LANDING OFF AIRP SUSPECTED OR KNOWN AIRC	1.		
	SKY CONDIT	TON		CEILIN	G AT ACCIDENT SITE	
	BROKEN			2000	1	
	VISIBILITY	' AT ACCIDENT SITE		PRECIP	ITATION AT ACCIDENT S	I TE
		R(UNLIMITED)		NONE		
	OBSTRUCTIO NONE	INS TO VISION AT	ACCIDENT SITE	WIND 0	IRECTION-DEGREES	
	WIND VELOC	TTY-KNOTS		TYPE O	F WEATHER CONDITIONS	
	TYPE OF FL	IGHT PLAN				
		HIRING PINNACLE DE	EPT ACFT ENCOUNTERED SE	LEBE DOMNUBAET	S. DESCENDED & HIT TO	ECC F VECETATION

FILE			AIRCRAFT DATA	F	:	SH	/N	PURPOSE	PILOT DATA				
	9/27/76 TIME - 19	NR.ANGOON.AK 550	HUGHES 369HS N909BF DAMAGE-SUBSTANTIAL	CR- PX-	0	1	0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 27, 2339 TOTAL HOURS, 1279 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE	E POINT	INTENDED DESTINATION RETURN					ROUTE STOP SITE					
	TYPE OF	: PUINT AK ACCIDENT FAILURE OR MALFUI			Ρ	HAS	E 0	F OPERATION	•				
		FAILURE OR MALFUI ED WITH TREES	NCTION			LA	ND I	.1GHT NORMAL CRUISE NG POWER-OFF AUTOROTAT	IVE LANDING				
	POWERPI MISCELI WEATHEI	PROBABLE CAUSE(S)  POWERPLANT - MISCELLANEOUS OTHER  MISCELLANEOUS ACTS.CONDITIONS - FUEL STARVATION  WEATHER - DOWNDRAFT.UPDRAFTS  FACTOR(S)											
	PILOT	PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT TERRAIN - HIGH OBSTRUCTIONS											
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE												
•	WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT												
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND											
	SKY CONDI BROKEN			-	E I L 15	-	AT ACCIDENT SITE						
	VISIBILIT	TY AT ACCIDENT SIT	T <b>E</b>	PRECIPITATION AT ACCIDENT SITE									
		4 MILES OR LESS OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE						WEATHER CONDITIONS					
	TYPE OF I	LIGHT PLAN											
	REMARKS-	N2 RPM EXCEEDED F	RED LINE CAUSING GOV TO S	SHUT OF	F	FUE	LS	UPPLY. PLT PREV PULLED	ENG-OUT WARNING CB.				
3-2970	10/19/76	NR.VALDEZ.AK	BELL 2068	CR-	٥.	0	1	COMMERCIAL	COMMERCIAL, AGE 35, 4280				
	TIME - 13	315	NZ433W NAMAGE~SHASTANTIAL	PX-	ō	ō	2	COMMERCIAL AIR TAXI-PASSG	CUMMERCIAL, AGE 35, 4280 TOTAL HOTES, 600 IN TYPE NOT INSTRUMENT RATED.				
		E POINT	INTENDED DESTINATION VALDEZ . AK										
	TYPE OF	CREEK, AK ACCIDENT	VALUEZ . AK	PHASE OF OPERATION									
	ROLL O							NG POWER-ON LANDING					
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE MISCELLANEOUS ACTS.CONDITIONS - WHITEOUT												
	FACTORIS TERRALI	, N - SNOW-COVERED											
			DPE. FLAT LIGHTING ON SNO	nw.									

FILE	DATE	LOCATION	AIRCRAFT DATA	้าเทา	JRIE	<b>S</b>	FLIGHT		PILOT DATA		
3-3323	323 11/17/76 NR.FLAXMAN ISLAND./ TIME — 1315	NR.FLAXMAN   SLAND, AK	BELL 206B N372EH DAMAGE-DESTROYED	CR- PX-	0 1	0	COMMERCIAL AIR TAXI-P	ASSG	COMMERCIAL, AGE 26, 3530 TOTAL HOURS, 1028 IN TYPE, NOT INSTRUMENT RATED.		
			NTENDED DESTINATION Return		FL Pha L	AXM SE AND	NROUTE STOP AN ISLAND,AK OF OPERATION ING POWER-O ING POWER-O	N LANDING			
	PILOT II PILOT II FACTOR(S) WEATHER WEATHER MISCELLI WEATHER FO	N COMMAND - CONTINUED N COMMAND - IMPROPER N COMMAND - SPATIAL D - LOW CEILING - FOG - FOG RIEFING - BRIEFED BY DRECAST - UNKNOWN/NO	IN-FLIGHT DECISION ISORIENTATION IS - WHITEOUT FLIGHT SERVICE PER I REPORTED	S OR PLA	BY P	G					
	EMERGENCY	CIRCUMSTANCES - PRE ADVI	ERSE/UNFAVORABLE WE		uk I						
	1 MILE	TION Y AT ACCIDENT SITE	IDENT SITE	CEILING AT ACCIDENT SITE  UNKNOWN/NOT REPORTED  PRECIPITATION AT ACCIDENT SITE  UNKNOWN/NOT REPORTED  TEMPERATURE-F  6							
	TYPE OF WI		TION TO INSTRUMENT	TYPE OF FLIGHT PLAN VFR T FLT, EXPERIENCED VERTIGO & LNDO ON ICE FLOW.							
3-4160	TIME - 17	NR.ANCHORAGE.AK 13	N49723 DAMAGE-DESTROYED	PX-			COMMERCIAL OTHER		COMMERCIAL, FL.INSTR., AGE 29. 3200 TOTAL HOURS 2701 IN TYPE, INSTRUMENT RATED.		
	TYPE OF A	CCIDENT Failure or malfuncti	LIICAL	TION  PHASE OF OPERATION  IN FLIGHT NORMAL CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING							
	POWERPL MISCELL PILOT I FACTOR(S)	EL - PRODUCTION-DESI ANT - TURBINE ASSEMB ANEOUS ACTS, CONDITIO N COMMAND - FAILED T	LY BLADE.TURBINE V NS - FATIGUE FRACTU	HEEL IRE			GN				
	COMPLETE EMERGENCY	POWER LOSS - COMPLET CIRCUMSTANCES - FOR LOW LEVEL 180DEG AUT	CED LANDING OFF AIR				i .				

-	DATE	OCAT I ON	AIRCRAFT DATA	In.	JUR F	SES	/N		PILOT DATA				
	1/29/76 NR.MARI TIME - 1215	CNPA.AZ	S.N.A.I.S SA316B N8622 DAMAGE-SURSTANTIAL INTENDED DESTINATION RETURN	CR- PX-	0 0 L	O O AST DR PAAS	EN ILL E O	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 37, 8949 TOTAL HOURS, 900 IN TYPE, NOT INSTRUMENT RATED,				
	MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS FACTORIS TERRAIN - HIGH EMERGENCY CIRCUM	LIGHT CONT ACTS, CONDI ACTS, CONDI - EVASIVE OBSTRUCTI STANCES -	ROL SYSTEMS TAIL ROTOR TIONS - DISCONNECTED TIONS - MATERIAL FAILURI MANEUVER TO AVOID COLLIS ONS FORCED LANDING OFF AIRPI ING MATERIALS.CONTROL CO	E SION ORT ON	LA	MD			ROTATION.				
3-0143	TIME - 1404		N5181B . Damage-destroyed Intended destination						PRIVATE, AGE 51, 345 SP TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.				
	PHOEN1X.AZ		PHOENIX.AZ LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH OBJECT TAKEOFF VERTICAL										
	TYPE OF ACCIDENT		LIICAL										

FILE	DATE LOCATION		INJURIES F S M/N	PURPOSE	PILOT DATA							
	5/11/76 SOMERTON, AZ TIME - 1330	HILLER ACFT UH-12E N92782 Damage-Surstantial	CR- 0 0 1 PX- 0 0 0		COMMERCIAL, FL.INSTR.,							
	DEPARTURE POINT INTENDED DEST SOMERTON, AZ LOCAL											
	TYPE OF ACCIDENT ENGINE FAILURE OR MAL HARD LANDING	FUNCTION	PHASE OF OPERATION IN FLIGHT SWATH RUN LANDING POWER-OFF AUTOROTATIVE LANDING									
	PILOT IN COMMAND - MI MISCELLANEOUS ACTS, CO FACTOR(S) TERRAIN - ROUGH/UNEVE	NDITIONS - FUEL EXHAUSTION		NNING								
	SPECIAL DATA TOTAL HOURS IN CROP C KIND OF CROP - OTHER PILOT'S SEAT BELT - U GOGGLES - NOT USEO COCKPIT CRASHPAD - IN TANK/HOPPER-LOCATION ELEVATION-AREA BEING REMARKS- SPRAYING WEEDS	NKNOWN/NOT REPORTED  STALLED - SIDES TREATED-FEET - 150	KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - INSTALLED TERRAIN-TYPE - HILLY SWATH RUN-HOW FLOWN - WIND CALM									
3-1832	3/30/76 JUNESBORD,AR TIME - 1300	BELL 47G-2 NB422E DAMAGE-SIBSTANTTAL	PX- 0 0 0	INSTRUCTIONAL CHECK	ATP, FLIGHT INSTR., AGE 47. 10253 TOTAL HOURS, 37 IN TYPE, NOT INSTRUMENT RATED.							
	NAME OF AIRPORT - JONES DEPARTURE POINT JONESBORD.AR TYPE OF ACCIDENT HARD LANDING	BORO INTENDED DESTINATION LOCAL		OF OPERATION NG POWER-OFF AUTORO								
	FACTOR(S) CHECK PILOT - INADEQU	PROPER OPERATION OF FLIGHT ATE SUPERVISION OF FLIGHT ONTANEOUS-IMPROPER ACTION	CONTROLS									

FILE	DATE	LOCATION	AIRCRAFT DATA	11	AJUR A	IES S M	/N	FLIGHT PURPOSE	PILOT DATA
									COMMERCIAL, AGE 49, 6900 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
	RAVENDEN, TYPE OF ACC	POINT ,AR CIDENT WITH WIRES/POL	INTENDED DESTINATION LOCAL					F OPERATION IGHT PULLUP FROM SWA'	
	FACTORISI	COMMAND - MISJU	NGEN CLEARANCE TIONS - SUNGLARE						
	KIND OF ( PILOT'S S GOGGLES - COCKPIT ( TANK/HOPF ELEVATION	JRS IN CROP CONT CROP - FOREST-TR SEAT BELT - UNKN - NOT USED CRASHPAD - NOT I PER-LOCATION - U	NWN/NOT REPORTED NSTALLED NKNOWN/NOT REPORTED ATED-FEET - 500			TY GL CR CR TE	PE NVE ASH ASH RRA	OF OPERATION - SPRAYIN OF CHEMICAL USED - LIG S - NOT USED HELMET - AVAILABLE-NO BAR - NOT INSTALLED IN-TYPE - HILLY RUN-HOW FLOWN - WIND	DUID CHEMICAL-NONTOXIC DT USED
3-1547	7/1/76 TIME - 1800 DEPARTURE ( BEEDEVILI	BEEDEVILLE.AR D Point Le.ar	INTENDED DESTINATION	CR- PX-					COMMERCIAL, AGE 32, 3700 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC ENGINE FA HARD LAN	AILURE UR MALFUN	CTION			14	T L	IF OPERATION IGHT PROCEDURE TURNAF NG POWER-OFF AUTOROTA	
	MISCELLAI PERSONNEI PILOT IN COMPLETE PO	NT - IGNITION'SY NEOUS ACTS,CONDI L - MAINTENANCE, COMMAND - MISJU DWER LOSS - COMP	STEM SPARK PLUG TIONS - CARBON DEPOSITS SERVICING, INSPECTION I DGED SPFED AND ALTITUDE LETE ENGINE FAILURE/FLA FORCED LANDING OFF AIRP	-1 E	NG I		ENANCE AND INSPECTION		
	KIND OF ( PILOT'S ! GOGGLES ! COCKPIT ( TANK/HOPI ELEVATIO	URS IN CROP CONT CROP - RICE SEAT AELT - FAST - NOT USED CRASHPAD - NOT I PER-LOCATION - S	ENED-PROPERLY NSTALLED IDES ATED-FEET - 230			GL CR CR	PE OVE ASH ASH	OF OPERATION - SPRAYIN OF CHEMICAL USED - LIG S - NOT USED I HELMET - AVAILABLE USED - NOT INSTALLED I BAR - NOT INSTALLED IN-TYPE - LEVEL, FLAT I RUN-HOW FLOWN - WIND	DUID CHEMICAL-TOXIC Sed

				- 5 (IF AC									
FILE	DATE	LOCATION	AIRCRAFT DATA			IES S M.	/ 64	FLIGHT	PILOT DATA				
3-2307	7/10/76 TIME - 07	NR.CORNING.AR 57	QUINN MK-5A N8429 DAMAGE-DESTROYED	CR-	0	ı	O	COMMERCETAL	COMMERCIAL, AGE 34, 5000 TOTAL HUURS, 200 IN TYPE, NOT INSTRUMENT RATED.				
	CORNING.	<del>-</del>	INTENDED DESTINATION LOCAL										
	TYPE OF A		LUCAL	PHASE OF OPERATION IN FLIGHT PULLUP FROM SWATH RUN									
	PROPELL	ER/ROTOR FAILURE	TAIL ROTOR										
	FACTOR(S) ROTORCR MISCELL MISCELL	ANEOUS - UNDETERM AFT - ROTOR ASSEM ANEOUS ACTS, CONDI ANEOUS ACTS, CONDI	BLIES TAIL ROTOR BLADI TIONS - SEPARATION IN (	FLIGHT	LAI	ΝĎ							
	KIND OF PILOT'S GOGGLES COCKPIT	ROL - 500 ENED-PROPERLY NSTALLED	KIND OF OPERATION - SPRAYING CROPS  TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMEI - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL,FLAT										
	ELEVATI	OPPER-LOCATION - S ON-AREA BEING THE NO SHIMS WERE FOU	- · -					RUN-HOW FLOWN - WIND CA	LM				
3-2305	8/6/76 Time - 23	LAKE CITY,AR	HILLER ACFT FHIIO N441FH						COMMERCIAL, AGE 34, 2642 P TOTAL HOURS, 6 IN TYPE,				
			DAMAGE-DESTROYED						NUT INSTRUMENT RATED.				
		POINT	INTENDED DESTINATION										
	LAKE CI		LUCAL		DI	LAC	E 0	F OPERATION					
		FAILURE OR MALFUN	CTION			IN	FL	F DFERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATI	VE LANDING				
	PILOT (	GAMAJJASZIM – TMA. ULZIM – DMAMMOD M	US POWERPLANT FAILURE DGED SPEED AND ALTITUD		)E T	ERM	INE	D REASIMS					
	COMPLETE	POWER LOSS - COMP CIRCUMSTANCES -	LETE ENGINE FAILURE/FL FORCED LANDING OFF AIR				NĒ						

	DATE	LOCATION	AIRCRAFT DATA	I	NJUR F	IES S M	/N		PILOT DATA
	8/6/76 TIME - 173 NAME OF AI	HARRISBURG,AR O RPORT - B&C AIRSTR	BELL 47G-2 N5174R Damage-Substantial	CR-	0	0	1	NONCOMMERCIAL	COMMERCIAL, AGE 44, 13689 TOTAL HOURS, 700 IN TYPE, NOT INSTRUMENT RATED.
	HARRISAU	RG.AR	LOCAL						
	TYPE OF AC HARD LAN	-			F			F OPERATION NG POWER-OFF AUTOROTATIV	ELANDING
	PROBABLE C PILOT IN		GED SPEED AND ALTITUDE						
3-2190	8/21/76 TIME - 144			PX-					COMMERCIAL, FL.INSTR., AGE 30, 5980 TOTAL HOURS, 29 IN TYPE, NOT INSTRU- MENT RATEO.
		RPORT - JONES FARM							
	DEPARTURE	PUINT N.AR	INTENDED DESTINATION						
	TYPE OF AC	•	2.7.5.7.2		P	HAS	E O	F OPERATION	
		AILURE OR MALFUNCT EXPLOSION IN FLIG				_		IGHT CLIMB TO CRUISE IGHT CLIMB TO CRUISE	
			S POWERPLANT FAILURE F	nr u	ND E 1	rekm	INE	D REASONS	
		NEOUS ACTS, CONDITI	IONS - FIRE IN CABIN,CO	nck P I	1,84	AGGA	GE	COMPARIMENT	
		CIRCUMSTANCES - PR	. LOSS OF POWER - 1 ENG RECAUTIONARY LANDING ON ISPECTED MECHANICAL DIS	AIR					
	FIRE AFTER					•			
	REMARKS- F	NG MALF CAUSE OF F	TRE NOT DETERMINED OU	e TO	FIRE	- DA	MAG	E.	

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR I F S	ES M/I	N	FLIGHT PURPOSE		PILOT DATA
	1/1/76 NR.C TIME - 0145 DEPARTURE POINT CAPISTRANO,C TYPE OF ACCIDE	APISTRANO.CA NT A Ent URE OR MALFUNCT	BELL 47D-1 N9673Z DAMAGE-SUBSTANTIA INTENDED DESTINATION LOCAL	CR- PX-	0 0	O (	COI D AE			COMMERCIAL, AGE 38, 996 TOTAL HOURS, 96 IN TYPE, NOT INSTRUMENT RATED.
	MISCELLANEO PERSONNEL - PILOT IN CO MISCELLANEO FACTOR(S) TERRAIN - H PARTIAL POWER EMERGENCY CIR	- IGNITION SYST IS ACTS, CONDITI MAINTENANCE, SE HMAND - INADEOU US ACTS, CONDITI IGH OBSTRUCTION LOSS - PARTIAL CUMSTANCES - FO	EM SPARK PLUG  DNS - CARBON DEPOSIT  RVICING, INSPECTION  ATE PREFLIGHT PREPAR  DNS - WATER IN FUEL  S  LOSS OF POWER - 1 E  RCED LANDING OFF AIR  IN LEMON TREES.	ATION A	ND/O	MAII R Pi			<b>N</b>	
3-0149	1/13/76 SA TIME - 1205	CRAMENTO,CA	BELL 47D-1 N2134 DAMAGE-SURSTANT[A	PX-	0	0	1 NO 0 PL	NCOMMERCIAL Easure/Personal Ti	RANSP	COMMERCIAL, FL.INSTR., AGE 31, 475 TOTAL HOURS, 148 IN TYPE, NOT INSTRU- MENT RAIED.
	NAME OF AIRPO DEPARTURE POI SACRAMENTO, TYPE OF ACCID ROLL OVER	NT CA	INTENDED DESTIMATION LOCAL					PERATION VERTICAL		NEW WATER
		MMAND - INADEQU	ATE PREFLIGHT PREPAR Aller by Cable Acros					NG		
3-0577		OLTVILLE,CA	BENSEN BBM N21CF DAMAGE-DESTROYED					NCOMMERCIAL ACTICE		STUDENT, AGE 49, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POI HOLTVILLE.CA TYPE OF ACCID PROPELLER/R	ENT OTOR FAILURE M	INTENDED DESTINATION LOCAL			LAN	D I NG	PERATION FINAL APPROACH T UNCONTROLLED DI	ESCENT	
	MISCELLANED	- ROTOR ASSEMBL US ACTS,CONDITI	IES MAIN ROTOR BLAD ONS - OVERLOAD FAIL D A MAIN ROTOR BLADE	IRE	N CO	NTA	CT WI	TH EACH OTHER. BL	ADES FO	OLDED UP.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURI F S	ES M/N	FL IGHT PURPOSE	PILOT DATA						
3-1013	3/10/76 TIME - 124	STOCKTON, CA	BELL 47G+2 N9195F Damage-Substantial	CR- 0 PX- 0	0 2	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 66, 25000 TOTAL HOURS, 7000 IN TYPE, NOT INSTRUMENT RATED.						
	DEPARTURE STOCKTON	POINT	INTENDED DESTINATION LOCAL										
	TYPE OF AC	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR HARD LANDING POWER-ON LANDING											
	MISCELLA MISCELLA	AFT - FLIGHT CONT INEOUS ACTS.CONDI INEOUS ACTS.CONDI	ROL SYSTEMS COLLECTIVE TIONS - ELONGATED TIONS - DISCONNECTED AG OPS. COLLECTIVE PITC	-			GRND. NO LOAD ABD.						
3-0476	3/12/76 TIME - 154		SCORPION TOO N525BG DAMAGE-SUBSTANTIAL	PX- O	0 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 58, 226 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.						
	DEPARTURE		INTENDED DESTINATION										
	TYPE OF AC ROLL OVE	CIDENT	LOCAL			OF OPERATION LIGHT HOVERING							
	WEATHER FACTOR(S) PILOT IN WEATHER BE	N CÒMMAND - IMPRÒ - UNFAVORABLE WI N CÒMMAND - INADE	QUATE PREFLIGHT PREPARA RD OF BRIEFING RECEIVED	TION AND/O		ANNING							
	SKY CONDIT	TION .		Cé		G AT ACCIDENT SITE							
	VISIBILITY	AT ACCIDENT SITER(UNLIMITED)	Ε ,	PRECIPITATION AT ACCIDENT SITE									
		DNS TO VISION AT	ACCIDENT SITE	RELATIVE BEARING OF WIND RIGHT QUARTERING HEAD WIND 023-067 DEGREES WIND DIRECTION-DEGREES									
	62	CITY-KNOTS	F WEATHER CONDITIONS										
	NONE	.IGHT PLAN Gusting to lak. C	HECKING FOR VIBRATION I	N ROTOR SY	YSTEM								

FILE	DATE	LOCATION	AIRCRAFT DATA	INJI F		ES M/N	FLIGHT PURPOSE		PILOT DATA
	3/14/76 TIME - 11	CORONA, CA	SCORPION TWO N7043 DAMAGE-SUBSTANTIAL				NONCOMMERCIAL PLEASURE/PERSONAL	TR ANSP	COMMERCIAL, FL.INSTR., AGE 27, 1876 TOTAL HOURS 11 IN TYPE, NOT INSTRU- MENT RATED.
,	DEPARTURE CORONA.( Type of A Propelli	CA CCIDENT ER/ROTOR FAILURE	INTENDED DESTINATION LOCAL MAIN ROTOR TER UNCONTROLLED		1	IN FL	F OPERATION IGHT OTHER IGHT UNCONTROLLED	DESCENT	ſ
	HISCELL	AFT - FLIGHT CONT ANEOUS ACTS,CONDI	ROL SYSTEMS CYCLIC PITO TIONS - MATERIAL FAILUR L FOR UNDET REASON.		ROL	SYS	<b>EM</b> .		
1-0756	3/31/76 TIME - 12	NR.SAN CARLOS.CA 30	ENSTROM F-28A N9577 DAMAGE-DESTROYED	ÇR- PX-			MISCELLANEOUS TEST		CERTIFICATE UNKNOWN, AGE 30, 1055 TOTAL HOURS, 7 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A DEPARTURE SAN CARL TYPE OF A ROLL OV	DS.CA CCIDENT	NS INTENDED DESTINATION LOCAL				DE OPERATION NG POWER-ON LANDIN	G	
	PILOT I FACTOR(S) WEATHER	N COMMAND - FAILE N COMMAND - IMPRO - UNFAVORABLE WI	D TO MAINTAIN ADEQUATE PER COMPENSATION FOR WILL NO CONDITIONS						
			T SUBSTANTIALLY CORRECT		CE	II FAN	AT ACCIDENT SITE		
	BROKEN VISIBILIT	Y AT ACCIDENT SIT Er(unlimited)	E		PR	2000	TATION AT ACCIDENT	SITE	
	NONE WIND DIRE	ONS TO VISION AT CTION-DEGREES	ACCIDENT SITE		WI	55 NN V	TURE-F LOCITY-KNOTS	٠	
	VFR	EATHER CONDITIONS RECEIVED WINDS FA			TY	20 PE OI NONE	FLIGHT PLAN		

FILE	DATE	LOCATION	AIRCRAFT DATA	IN. F	JUR	IES S M	/N	FLIGHT PURPOSE	PILOT DATA					
3-1340	4/1/76	NEWHALL.CA 50	BELL 206A N4054G Damage-Substantial	CR- PX-	0	0	2	I NS TRUC TI ONAL DUAL	COMMERCIAL, FL.INSTR., AGE 57, 14000 TOTAL HOURS, 3500 IN TYPE, INSTRUMENT RATED.					
	DEPARTURE	POINT	INTENDED DESTINATION		L	AST	E	NROUTE STOP	INGINONENT RATEUR					
		CCINENT	RETURN			ME	WIT	ALL.CA De operation						
	ENGINE	ENGINE FAILURE OR MALFUNCTION LANDING GO-AROUND HARD LANDING POWER-OFF AUTOROTATIVE LANDING												
	MISCELL FACTOR(S) MISCELL	ANT - TURBINE ASSE ANEOUS ACTS, CONDIT	MBLY WHEEL TURBINE TONS - MATERIAL FAILURE TONS - OVERLOAD FAILURE TONS - OVERHEATED											
	EMERGENCY	CIRCUMSTANCES - F	ETE ENGINE FAILURE/FLAM ORCED LANDING OFF AIRPO TAGE TURBINE WHEEL FAIL	IRT ON	LA	ND								
1-1699		BLYTHE.CA 30	ENSTROM - F-28A N2690 DAMAGE-SUBSTANTIAL		0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRAN	COMMERCIAL, FL.INSTR., ISP AGE 36, 7590 TOTAL HOURS B IN TYPE, NOT INSTRUMEN RATED.					
	DEPARTURE		INTENDED DESTINATION						RAIED.					
	TYPE OF A	CA CCIDENT ER/ROTOR FAILURE	LOCAL TAIL ROTOR			IN	l F	DF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTAT	IVE LANDING					
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS.CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS.CONDITIONS - SEPARATION IN FLIGHT													
	EMERGENCY	CIRCUMSTANCES - F	ORCED LANDING OFF AIRPO	TRT ON	LA	MD								
3-3512	4/5/76 TIME - 22	PASADENA,CA 30	ENSTROM F-28A N9576 DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 29, 674 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE	POINT	INTENDED DESTINATION											
	PASADEN TYPE OF A	CCIDENT	LOCAL		P	HAS	E	OF OPERATION						
	ENGINE HARD LA		TION			11	ı F	LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTAT	IVE LANDING					
	POWERPL MISCELL PILOT 1	PROBABLE CAUSE(S)  POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS  MISCELLANEOUS ACTS.CONDITIONS - MATERIAL FAILURE  PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE												
			ORCED LANDING OFF AIRPO					LT FAILED.						

				1213 111 200102173									
FILE	DATE	LOCATION	AIRCRAFT DATA			S M/N	1	FL1GHT PURPOSE	PILOT DATA				
3-1139	4/7/76 TIME - 13	LANCASTER, CA		CR-			?	INSTRUCTIONAL	COMMERCIAL, FL.INSTR., AGE 31, 2644 TOTAL HOURS, 332 IN TYPE, NOT INSTRU- MENT RATED.				
	NAME OF A DEPARTURE LANCAST TYPE OF A ROLL OV	ER+CA CCIDENT	) INTENDED DESTINATION LOCAL		ρ			OPERATION G POWER-OFF AUTOROT	TATIVE LANDING				
	PILOT I FACTOR(S) WEATHER WEATHER F	UDENT - FAILED TO N COMMAND - INADE - UNFAVORABLE WI	RD OF BRIEFING RECEIVED	IGHT	м.								
		TION Y AT ACCIDENT SIT	<b>i</b> .			UNL	IMI PLT	AT ACCIDENT SITE Ted Ation at accident si	116				
		ONS TO VISION AT	ACCIDENT SITE	RELATIVE REARING OF WIND RIGHT CROSS WIND OAR-112 DEGREES									
	TEMPERATU 71	··· <del>·</del>		WIND DIRECTION-DEGREES 220									
	19	CITY-KNOTS LIGHT PLAN			ī	VPE (	j <b>r</b>	WEATHER CONDITIONS					
	REMARKS-	PRACTICE AUTOROTA	TIONS FROM 4FT HOVER.										

FILE	DATE	LOCATION	AIRCRAFT DATA	11	JUR F	IES S M	/N	FL IGHT PURPOSE	PILOT DATA	
3-1568	4/29/76 NR TIME - 1155	• CNALINGA • CA	BELL 47G3B1 N73959 DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 31, 4009 TOTAL HOURS 809 IN TYPE, NOT INSTRU- MENT RATED.	
		DINT	INTENDED DESTINATION							
	COALINGA.C TYPE OF ACC ENGINE FA COLLISION	IDENT	LOCAL CTION TER CONTROLLED					F OPERATION IGHT PROCEDURE TURNAROUN NG POWER-OFF AUTOROTATIV	D E LANDING	
	MISCELLAN	T - TRANSMISSIO EDUS ACTS,CONDI	N ROTOR DRIVE SYSTEM FF TIONS — MATERIAL FAILURE FORCED LANDING OFF AIRPO				J T			
	KIND OF C PILOT'S S GOGGLES - COCKPIT C TANK/HOPP ELEVATION	RS IN CROP CONT ROP - PASTURE EAT BELT - FAST NOT USED RASHPAD - NOT I ER-LOCATION - S -AREA BEING TRE TURNAROUND - S	ENED-PROPERLY NSTALLED IDES ATED-FEET - 800	KIND OF OPERATION - SPRAYING TYPE OF CHEMICAL USED - LIQU GLOVES - NOT USED CRASH ELMET - AVAILABLE USE CRASH BAR - NOT INSTALLED TERRAIN-TYPE - ROLLING SWATH RUN-HOW FLOWN - UPWING					JIĎ CHÉMICAL-10XIC ED	
3-1150	TIME - 1150		CA RELL 47D-1 N68630 DAMAGE-SURSTANTIAL INTENDED DESTINATION LOCAL	CR- PX-	0	0	1	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 42, 4789 TOTAL HOURS, 80 IN TYPE, NOT INSTRUMENT RATED.	
	SAN JUAN TYPE DF ACC	CAPST.CA Ident Ilure or malfun	LUCAL			JN	FL	F OPERATION IGHT NORMAL CRUISE NG ROLL-ON/RUN-ON		
	PROBABLE CAUSF(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING  MISCELLANEOUS ACTS.CONDITIONS - WATER IN FUEL  TERRAIN - ROUGH/UNEVEN  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									

FILE		LOCATION	AIRCRAFT DATA	F	5 M/	N	FLIGHT PURPOSE	PILOT DATA
	5/15/76 TIME - 13 NAME OF A DEPARTURE SALINAS TYPE OF AU	SALINAS,CA  17  IRPORT - SALINAS POINT ,CA CCIDENT FAILURE OR MALEUNC	BENSEN BBM N4672 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- ( PX- (	O O O O O O O O O O O O O O O O O O O O	OF Enf	NONCOMMERCIAL PRACTICE	STUDENT, AGE 45, 23 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	PROBABLE ( POWERPL FACTOR(S) AIRPORT PARTIAL P	CAUSE(S) ANT - MISCELLANFOU S/AIRWAYS/FACILITI OWER LOSS - PARTIA	S POWERPLANT FAILURE F FS - AIRPORT CONDITIONS L LOSS OF POWER - 1 ENG ORCED LANDING OFF AIRPO	OTHE!	ł	NFC	) REASTINS	
3-1447	5/21/76 TIME - 05	OF A FUNDA FE A CH	RELL 47G-5 N6277N DAMAGE-SURSTANTIAL				COMMERCIAL AERIAL APPLICATION	ATP, FLIGHT INSTR., AGE 27, 4000 TOTAL HOURS, 500 IN TYPE, NOT INSTRUMENT RATED.
	CLQVERD Type of A	ALE,CA	INTENDED DESTINATION LOCAL	•			F DPERATION IGHT STARTING SWATH RU	
		N COMMAND - FAILER	TO SEE AND AVOID ORJEC ORCED LANDING OFF AIRPO			IC T	IONS	
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO	ATA OURS IN CROP CONTR CROP - GRAPES - SEAT BELT - FASTR - NOT USED CRASHPAD - NOT IN PPER-LOCATION - AF ON-AREA BEING TRE	ENED-PROPERLY  ISTALLED  T OF PILOT		TYP GLI CRA CRA TER	E ( IVE: SH SH IRA	OF OPERATION - SPRAYING OF CHEMICAL USED - LIOU S - USED HELMET - AVAILABLE USE BAR - NOT INSTALLED IN-TYPE - LEVEL,FLAT RUN-HOW FLOWN - WIND C	ID CHEMICAL-TOXIC

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S A	/N	FLIGHT PURPOSE	PILOT DATA
-1146	6/11/76 L TIME - 1256	DS ANGELES,CA	RELL 47G-5 N7OA5J DAMAGE-DESTROYED	CR- 1 1 PX- 0 0	0	INSTRUCTIONAL DUAL	CUMMERCIAL, FL.INSTR., AGE 29, 3575 TOTAL HOURS 426 IN TYPE, INSTRUMENT RATED.
	GLENDALE,C TYPE OF ACCI	A	INTENDED DESTINATION LOCAL			F OPERATION NG POWER-ON LANDING	
	PILOT IN C FACTORIS)	NT - MISJUDGED OMMAND - IMPROP OMMAND - INADEO	CLEARANCE ER IN-FLIGHT DECISIONS WATE SUPERVISION OF FL				
	FIRE AFTER I	MPACT	R SKID CAUGHT UNDER CE	MENT PLATFOR	н.	ACFT ROLLED DWN HILL,	,
-3067	6/22/76 NR. TIME - 1114	•	BELL 2068 N79415 DAMAGE-DESTROYED	CR- 0 1 PX- 2 1	0	COMMERCIAL OTHER	COMMERCIAL, AGE 43, 6500 TOTAL HOURS, 400 IN TYPE NOT INSTRUMENT RATED.
	TYPE OF ACCI	DENT LURE OR MALFUNC	INTENDED DESTINATION LOCAL	PHAS [N	E N		
	WEATHER - PILOT IN C FACTORIS) TERRAIN - COMPLETE POW WEATHER BRIE	- MISCELLANEOU HIGH DENSITY AL OMMAND - IMPROP ROUGH/UNEVEN ER LOSS - COMPL	ER IN-FLIGHT DECISIONS ETE ENGINE FAILURE/FLAI D OF BRIEFING RECEIVED	OR PLANNING	,	D REASONS	
		N T ACCIDENT SITE UNLIMITED)		UN PREC	LIM	AT ACCIDENT SITE ITED TATION AT ACCIDENT SI	TE
	OBSTRUCTIONS NONE WIND DIRECTI	TO VISION AT A ON-DEGREES		TE MP 73	ERA VE	TURE-F LOCITY-KNOTS	
•	TYPE OF WEAT VFR FIRE AFTER I	HER CONDITIONS		TYPE		FLIGHT PLAN	

						•	
FILE	DATE	LOCATION	AIRCRAFT DATA	HULM) F	LIES S M/H	FLIGHT PURPOSE	PILOT DATA
3-2050	TIME - 13	POINT	N5360V DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 PX- 0	O O 1 COMMERCIAL O O CONSTRUCTION		CUMMERCIAL, AGE 46, 5633
	HAPPY CAN TYPE OF AN ENGINE HARD LAN	CCINENT Failure or Malfunc	LOCAL		IN F	OF OPERATION FLIGHT FLAREOUT E DING POWER-OFF AL	FOR SWATH RUN ITOROTATIVE LANDING
	PILOT II MISCELL FACTOR(S) POWERPL MISCELL COMPLETE EMERGENCY	N COMMAND - INANEON N COMMAND - MISMAN/ AMEDUS ACTS,CONDIT ANT - POWERPLANT-10 AMEDUS ACTS,CONDIT POWER'LOSS - COMPLO	IONS - FUEL EXHAUSTION NSTRUMENTS FUEL QUANT IONS - ERRATIC ETE ENGINE FAILURE/FLA DRCED LANDING OFF AIRP	ITY GAUG	E ENG   NI		
3-2193	7/10/76 TIME - 16	CULVER CITY,CA 10	HUGHES 369HS NB375F DAMAGE—SUBSTANTIAL	PX- O		2 INSTRUCTIONAL O DUAL	CUMMERCIAL, FL.INSTR., AGE 55, 1312A TOTAL HOURS, 3336 IN TYPE, NOT INSTRUMENT RATED.
•	DEPARTURE CULVER TYPE OF A	CITY .CA	INTENDED DESTINATION LOCAL ER UNCONTROLLED			OF OPERATION DING POWER-OFF AN	UTOROTATIVE LANDING
	MISCELL MISCELL EMERGENCY	AFT - FLIGHT CONTRO ANEOUS ACTS, CONDIT ANEOUS ACTS, CONDIT	DRCED LANDING ON AIRPO	lE.			

FILE	DATE	LOCATION	AIRCRAFT DATA	INJUR F	IES S M.	/Ň	FLIGHT PURPOSE	PILOT DATA			
	•	R.PITTSBURG,CA		CR- O	0	1	COMMERCIAL	COMMERCIAL, AGE 39, 1297 10TAL HOURS, UNK/NR 1N TYPE, NOT INSTRUMENT RATED.			
			INTENDED DESTINATION								
	PITTSBURG	• -	LOCAL	c	HAS	F 10	F OPERATION				
		AILURE OR MALFUNC	TION				IGHT LOW PASS				
	COLLISIO	N WITH GROUND/WAT	ER CONTROLLED				NG LEVEL OFF/TOUCHDON	IN			
			IS POWERPLANT FAILURE	FOR UNDER	ERM	INE	D REASONS				
	PARTIAL POLEMERGENCY	HER LOSS — PARTIA CIRCUMSTANCES — F	TONS - ATRCRAFT CAME T L LOSS OF POWER - 1 EN ORCED LANDING OFF ATRE	GINE PORT ON WA	TER						
	named .	Serie Fraga Hills Alto	RATION CAUSE UNDETERMI	NEG  XIL		•	PANAUL AND EGNO FINE	ALL WATER GODIERSTON.			
3-2395	8/24/76 N	R.TAYLORVILLE.CA	BELL 47G3B2	CR- O	0	ı	COMMERCIAL	AIRLINE TRANSPORT, AGE			
	TIME - 061	5	NAACP DAMAGE-SURSTANTIAL		0	0	CIR CARGO-D	32, 5906 TOTAL HOURS, 600 IN TYPE, INSTRUMENT RATED.			
	DEPARTURE	POINT	INTENDED DESTINATION								
	TAYLORVIL		LNCAL	_							
	TYPE OF AC	CIDENT Allure or Malfunc	TION				F OPERATION IGHT NORMAL CRUISE				
	HARD LAN	• •					NG POWER-OFF AUTOROTA	ATIVE LANDING			
		PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS									
	FACTOR(S)										
	TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE										
•			ETE ENGINE FAILUREZELA ORCED LANDING OFF AIRF			NE					
			IG SLING LOAD, LOGGING T			no	UNCI ODE				

FILE	DATE LOCATIO	·	INJURIES F \$ M/N	FLIGHT PURPOSE	PILOT DATA
	9/8/76 SAN PEDRO,( TIME - 1730	CA BELL 47G	CR- 0 0 1 PX- 0 0 2	COMMERCIAL CTR PASSG-D	COMMERCIAL, FL.INSTR., AGE 26, 1910 TOTAL HOURS, 300 IN TYPE, NOT INSTRIJ- MENT RATED.
	NAME OF AIRPORT - PORT DEPARTURE POINT SAN PEDRO.CA TYPE OF ACCIDENT ROLL OVER	IS N'CALL INTENDED DESTINATION LOCAL		OPERATION F VERTICAL	
	PROBABLE CAUSEISI PILOT IN COMMAND - ( WEATHER - UNFAVORAB	EXERCISED POOR JUDGMENT LE WIND CONDITIONS	:		
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT 5 OR OVER(UNLIMITED OBSTRUCTIONS TO VISION HAZE WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN NONE REMARKS- 1ST T/O.SETT	T SITE )	UNK NOI PRÉCIPIT NONE TEMPERAT BO TYPE OF VFR	WEATHER CONDITIONS	
1-2714	9/10/76 SALINAS.CA TIME - 0800	HILLER ACFT UH-12E N977OC DAMAGE-SUBSTANTIAL	PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	7005 TOTAL HOURS, 3000 IN TYPE, NOT INSTRUMENT
	DEPARTURE POINT SALINAS,CA TYPE OF ACCIDENT COLLIDED WITH OBJE	INTENDED DESTINATION LOCAL		- OPERATION' IGHT SWATH RUN	RATED.
		FAILED TO SEE AND AVOID OBJE Inadequate preflight prepara Ructions			
	GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATIO ELEVATION-AREA BEIN	R FASTENED-PROPERLY NOT INSTALLED	TYPE GLOVE CRASH CRASH TERRA SWATH	OF OPERATION - SPRAYION OF CHEMICAL USED - LIV S - NOT USED HELMET - AVAILABLE-NO BAR - NOT INSTALLED IN-TYPE - LEVEL-FLAT RUN-HOW FLOWN - WIND	DUID CHEMICAL-TOXIC

#### ARIFES OF ACCIDENTS

			ARIFFS	OF A	ACC.	10Fv	(TS			
FILE		· · · · · · · · · · · · · · · · · · ·	AIRCRAFT DATA	_				FLIGHT PURPUSE		PILOT DATA
3-2436	9/12/76 TIME - 08	LOMPOC.CA OO		CR-						COMMERCIAL, AGE 29, 4250 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT RATED.
			INTENDED DESTINATION							
	TYPE OF A	CCIDENT FAILURE OR MALFUN			í	T	KEC	F OPERATION FF RUNNING NG POWER-OFF	AUTOROTATIVE	E LANDING
	PROBABLE ( POWERPL MISCELL MISCELL						•			
	FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILUR PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENI EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPO					A NI F	RAS	F/HFI 1PT		
	SPECIAL D	, , , ,	., .	-116	0.0					
	TOTAL HE KIND OF PILOT'S GOGGLES COCKPIT	DURS IN CROP CONT CROP - TOMATOES SEAT AFLT - FAST - NOT USED CRASHPAD - NOT I PPER-LOCATION - S	NSTALLED			GL CF CR EL	PE OVE LASH LASH LEVA	OF CHEMICAL USED HELMET - AVA BAR - NOT IN TION-AREA BEI	ILABLE USED STALLED NG TREATED-FE	CHEMICAL-TOXIC

FILE	DATE LOCA	TION AIRCRAFT DATA	INJURIES F S M/N	FL IGHT PURPOSE	PILOT DATA
3-3261	9/22/76 NR.SAN BER TIME - 1956 DEPARTURE POINT DAGGETT.CA TYPE OF ACCIDENT COLLIDED WITH WI	NARDINO,CA SIKORSKY S-55B N93B9 DAMAGE-DESTROYED INTENDED DESTINATION LOMA LINDA,CA	CR- 3 0 0 PX- 1 0 0	COMMERCIAL AIR TAXI-PASSG  OF OPERATION LIGHT NORMAL CRUISE	COMMERCIAL, AGE 35, 1934 101AL HOURS, 150 IN TYPE, INSTRUMENT RATED.
	PILOT IN COMMAND FACTOR(S) WEATHER - LOW CEI WEATHER - FOG TERRAIN - HIGH OB		IS OR PLANNING	TIONS	
	FOG TYPE OF FLIGHT PLAN NONE FIRE AFTER IMPACT	ION AT ACCIDENT SITE	500 PRECIP NONE TYPE O VFR	G AT ACCIDENT SITE ITATION AT ACCIDENT SI F WEATHER CONDITIONS	TE
3-3267	10/4/76 NR.WASCO.C TIME - 1815 DEPARTURE POINT WASCO.CA TYPE OF ACCIDENT COLLIDED WITH CR	N9001T DAMAGE-SUBSTANTI/ Intended Destination Local	PX- 0 0 0	COMMERCIAL  AERIAL APPLICATION  OF OPERATION  LIGHT FLAREOUT FOR SW	NOT INSTRUMENT RATED.
	PILOT IN COMMAND FACTOR(S)	- IMPROPER OPERATION OF FLIG - MISJUDGED DISTANCE, SPEED, AL S, CONDITIONS - VIBRATION, EXCE	TITUDE OR CLEAR	ANCE	
	KIND OF CROP - CO PILOT'S SEAT BELT GOGGLES - USED COCKPIT CRASHPAD TANK/HOPPER-LOCAT ELEVATION-AREA BE	ROP CONTROL - 2500 ITTON I - UNKNOWN/NOT REPORTED - NOT INSTALLED ITON - AFT OF PILOT EING TREATED-FEET - 350 CAUSE OF VIBRATION, T/R HIT CO	TYPE GLOV CRAS CRAS TERR SWAT	OF OPERATION - DEFOLI OF CHEMICAL USED - LI 'ES - USED H HELMET - AVAILABLE U H HAR - NOT INSTALLED AIN-TYPE - LEVEL, FLAT H RUN-HOW FLOWN - WIND URNED OVER.	QUIN CHEMICAL-NONTOXIC Sed

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	RIES	/N	FL IGHT PURPOSE	PILOT DATA
3-350A		GLEN IVY.CA	BELL 47J	CR-	0	1	0	COMMERCIAL	COMMERCIAL, AGE 39, 1715 TOTAL HOURS, 100 IN TYPE, NOT INSTRUMENT RATED.
		OINT	INTENDED DESTINATION						
	GLEN IVY.C TYPE OF ACC	A IDENT	LOCAL			DLIA (	· c · r	F OPERATION	
		WITH WIRES/POL						FF RUNNING	
	PROBABLE CA PILOT IN FACTOR(S)		D TO SEE AND AVOID OBJE	CTS OR	OB	3 S T I	iUC 1	IONS	
	PERSONNEL	HIGH OBSTRUCTI	S-PERSONNEL PASSENGER ONS						
			X WAS TO DIRECT PILOT &	FAILE	D 1	ro <i>t</i>	DVI	SE PILOT OF WIRES.	
3-3827	12/4/76 TIME - 1215	CORONA, CA	SCORPION TOO N21DD DAMAGE-DESTROYED					NONCOMMERCIAL PRACTICE	STUDENT, AGE 49, 323 TOTAL HOURS, 71 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE P		INTENDED DESTINATION						
	TYPE OF ACC	IDENT	TER CONTROLLED					F OPERATION OFF OTHER	
		COMMAND - IMPRO	PER OPERATION OF FLIGHT FTR TKOF.NO MALFUNCTION			S			
	NETHANNS ON				•				
3-3791	12/14/76 TIME - 1600		HUGHES 269B N9566F					INSTRUCTIONAL	ATP, FLIGHT INSTR., AGE 42, 13505 TOTAL HOURS,
	11mc - 1moo		DAMAGE-SUBSTANT LAL		Ü	U	Ü	DORE	10150 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIR	PORT - LONG BEA	СН						INSTRUMENT RATED.
	DEPARTURE P	-	INTENDED DESTINATION LOCAL						
	TYPE OF ACC				F	PHAS	E O	F OPERATION	
	HARD LAND	ING	•			L	MD	NG POWER-OFF AUTORO	TATIVE LANDING
		COMMAND - INADE	QUATE SUPERVISION OF FL MAINTAIN ADEQUATE ROTO		м.				

FILE	DATE	LOCATION	ATRCRAFT DATA	INJ F	UR TE S	S M/1	FLIGHT N PURPOSE	PILOT DATA
	5/18/76		HUGHES 269B	CR- PX-				Alp,FLIGHT INSTR., AGE 28, 5227 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT
	DEPARTURE BROOMF! Type OF A	ELD.CO CCIDENT FAILURE OR MALFUNC	INTENDED DESTINATION LOCAL		РН/ 1	SE IN F	OF OPERATION LIGHT AUTOROTATIVE ( DING POWER-OFF AUTORO	RATED. DESCENT DTATIVE LANDING
	MISCELL MISCELL PILOT I FACTOR(S) MISCELL COMPLETE EMERGENCY	ANT — FUEL SYSTEM ANEOUS ACTS,CONDIT N COMMAND — IMPROP ANEOUS ACTS,CONDIT N COMMAND — CONDIT POMER LOSS — COMPL CIRCUMSTANCES — F	FUEL INJECTION SYSTEM TONS - IMPROPER CLEAR OF THE STARVATION OF FLIGHT ON THE FAILURE/FLE OF THE FAILURE/FLE OF THE FAILURE/FLE OF THE FAILURE/FLE OF THE FAILURE OF THE F	ANCE-TOL N T CONTRO ITIONS AMEOUT-1 PORT ON	LS ENI	S INI		
3-1342	6/10/76 TIME - 10 DEPARTURE	SOMERSET,CO 07 Point	BELL 47G3B1 N7B94S DAMAGE-DESTROYED INTENDED DESTINATION SOMERSET.CO	CR- PX-	1 (	) (	D COMMERCIAL D AIR TAXI-PASSG	COMMERCIAL, AGE 26, 1187 TOTAL HOURS, 115 IN TYPE. NOT INSTRUMENT RATED.
		UNCTION, CO CCIDENT D WITH WIRES/POLE					OF OPERATION FLIGHT NORMAL CRUISE	
	MISCELL FACTOR(S) TERRAIN FIRE AFTE	N COMMAND - FAILED ANEOUS ACTS,CONDIT - HIGH OBSTRUCTIO	TO SEE AND AVOID OBJI IONS — UNWARRANTED LO NS			TRUC	CTIONS	
3-2968	TIME - 19	ALMA,CO 15	N1338X DAMAGE-DESTROYED	PX-	1 (	0 (	O COMMERCIAL D CTR PASSG-D	AIRLINE TRANSPORT, AGE 37, 3698 TOTAL HOURS, 265 IN TYPE, NOT INSTRUMENT
	11112 01 2	POINT MINE CO. CCIDENT D WITH OBJECT	INTENDED DESTINATION LOCAL AREA		,		ENROUTE STOP A,CO OF OPERATION FLIGHT NORMAL CRUISE	RATED.
	TERRAIN FIRE AFTE	N COMMAND - FAILED - HIGH OBSTRUCTIO R IMPACT	TO SEE AND AVOID ORJ NS RKED TRAMWAY CARLES N					

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA					
3-2602	8/24/76 NR.ASPEN.CO TIME - 0830	BELL 47G3B2 N4074G	CR- 0 0 1 COMMERCIAL Px- 0 1 0 OTHER	COMMERCIAL, AGE 26, 2278 TOTAL HOURS, 570 IN TYPE NOT INSTRUMENT RATED.					
	GUNNI SON, CO	INTENDED DESTINATION ASPEN, CO							
	TIPE OF ACCIDENT		PHASE OF OPERATION						
	ENGINE FAILURE OR MALFUN ROLL OVER	ICTION	IN FLIGHT OTHER LANDING LEVEL OFF/	ТПИСНООМИ					
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANED FACTOR(S)		OR UNDETERMINED REASONS						
	WEATHER - HIGH DENSITY A TERRAIN - ROUGH/UNEVEN	ELLIOPE							
	PARTIAL POWER LOSS - PARTI	AL LOSS OF POWER - 1 ENG	INE						
	WEATHER BRIEFING - NO RECO								
	EMERGENCY CIRCUMSTANCES -	FORCED LANDING, OFF AIRPO	RT DN LAND						
	SKY CONDITION		CEILING AT ACCIDENT S	ITE					
	CLEAR	· ·	UNLIMITED PRECIPITATION AT ACCID	DENT CITE					
	VISIBILITY AT ACCIDENT SIT 5 OR OVER(UNLIMITED)	E	NONE	DEM 1 31 IC					
	OBSTRUCTIONS TO VISION AT	ACCIDENT SITE	TEMPÉRATURE-F						
	WIND DIRECTION-DEGREES 315		WIND VELOCITY-KNOTS						
	TYPE OF WEATHER CONDITIONS VFR		TYPE OF FLIGHT PLAN NONE						
	FIRE AFTER IMPACT REMARKS- RADIOMETRIC AERIA	L SURVEY.NO REASON FOUND	FOR LOSS OF POWER.D/A 14000	FT					
05.AF-F	11/14/76 TWO BUTTES.CO	HUGHES 2A90	CR- O O 2 MISCELLANEOUS	COMMERCIAL, AGE 29, 5775					
, ,,,,	TIME - 1530	N7457F DAMAGE-SUBSTANTIAL	PX- 0 0 0 HUNTING	TOTAL HOURS, 87 IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE POINT TWO BUTTES,CO	INTENDED DESTINATION LOCAL		•					
	TYPE OF ACCIDENT ROLL OVER		PHASE OF OPERATION LANDING ROLL-ON/RUI	N-ON					
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPRO MISCELLANEOUS ACTS,CONDI MISCELLANEOUS - FOREIGN	TIONS - DISREGARD OF GOO	D OPERATING PRACTICE						
	EACTORIST	TERRIS)  TERRIN - WET, SOFT GROUND  EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT							
	EMERGENCY CIRCUMSTANCES -	PRECAUTIONARY LANDING OF	FAIRPORT	•					
	TERRAIN - WET, SOFT GROUN EMERGENCY CIRCUMSTANCES -		FAIRPORT						

FILE	DATE .		AIRCRAFT DATA	F	:	S M.	N		PILOT DATA
3-4084	12/13/76 NR.CO TIME - 0945	DWDREY, CO		CR- PX-	0	1	2	COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 35, 4584 TOTAL HOURS, 2077 IN TYPE, NOT INSTRUMENT RATED.
	COWDREY,CO TYPE OF ACCIDE	•NT	INTENDED DESTINATION LOCAL  ER UNCONTROLLED					F OPERATION IGHI UNCONTROLLED DE	
	SYSTEMS - FI MISCELLANEOU SYSTEMS - HY MISCELLANEOU MISCELLANEOU EMERGENCY CIRC	NADEOUA BOOST ALLED TINGS ING DRT ON	LAI	MA YST	INT MS	ENANCE AND INSPECTION			
3-0431	TIME - 1430 NAME OF AIRPO	RT - LITTLE DE	SIKORSKY S-52 N54063 DAMAGE-SUBSTANTIAL EER STRIP INTENDED DESTINATION						COMMERCIAL, AGE 27, 2435 ANSP TOTAL HOURS, 115 IN TYPE, NOT INSTRUMENT RATED.
	MIAMI.FL TYPE OF ACCID	ENT URE OR MALFUNC	LOCAL			TA	Œ	F OPERATION FF INITIAL CLIMB NG POWER-OFF AUTOROT.	ATIVE LANDING
	PROBABLE CAUS POWERPLANT PILOT IN CO PARTIAL POWER EMERGENCY CIRC	SINE				D REASONS .			

		AIRCRAFT DATA	£			FL IC PUR		PILOT DATA			
	CLEARWATER, FL		CR-			I NS TRUC DUAL	CTIONAL	ATP, FLIGHT INSTR., AGE 27, 3434 TOTAL HOURS, 60 IN TYPE, INSTRUMENT RATED.			
NAME OF AIRPORT - ST PETERSBURG											
	POINT ER+FL	INTENDED DESTINATION LOCAL									
TYPE OF AC ROLL OVE						OF OPERAT	TION OWER-ON DESCEN	T			
DUAL STIN PILOT IN FACTORIS) WEATHER WEATHER BR	DENT - IMPROPER C	NOT REPORTED	OLTION	NS							
SKY CONDIT	• -				L I N 500		IDENT SITE				
VISIBILITY 5 OR OVE		PRE		ITATION A	AT ACCIDENT SI	TE					
OBSTRUCT IO	A TA MOLELV OT 2M			D D 10	IRECTION.	-DEGREES	/				
WIND VELOC	TTY-KNOTS				E O	F WEATHER	R CONDITIONS				
TYPE OF FL NONE	IGHT PLAN										
FIRE AFTER	IMPACT NDG FM A HOVER.WI	ND GUSTING 21K.									

		AIRCRAFT DATA	F	S M/N	PURPOSE	PILOT DATA				
3/1/76 TIME - 10	SOUTH BAY,FL 10	BELL 47D1 N12OBB DAMAGE-SUBSTANTIAL	CR- 0	0 1	COMMERCIAL	COMMERCIAL, AGE 27, 1421 TOTAL HOURS, 307 IN TYPE, NOT INSTRUMENT RATED.				
DEPARTURE SOUTH B	POINT	INTENDED DESTINATION LOCAL								
TYPE OF A		EIICAE		PHASE	OF OPERATION					
	FAILURE OR MALFUN ER/DOWN	CTION			LIGHT SWATH RUN IING POWER-OFF AUTOROT	TATIVE LANDING				
PROBABLE	CAUSE(S)									
		PER OPERATION OF POWER				OD CALLED TO HEE				
MISCELL	CELLANEOUS ACTS, CONDITIONS - ANTI-ICING/DEICING EQUIPMENT-IMPROPER OPERATION OF/OR CELLANEOUS ACTS, CONDITIONS - ICE-CARBURETOR RAIN - WET, SOFT GROUND (15)					DK FAILED IN USE				
FACTOR(S)										
		DUCIVE TO CARB./INDUCT				•				
WEATHER B	RIEFING - UNKNOWN	INOT REPORTED								
	ORECAST - UNKNOWN CIRCUMSTANCES -	/NOT REPORTED FORCED LANDING OFF AIR	PORT ON L	AND						
SKY CONDI	TION		CEILING AT ACCIDENT SITE							
CLEAR	Y AT ACCIDENT SIT	·e	UNLIMITED PRECIPITATION AT ACCIDENT SITE							
	ER (UNLIMITED)	-	NONE							
	ONS TO VISION AT	ACCIDENT SITE			DIRECTION-DEGREES					
NONE	CITY KNOTE			120	OF WEATHER CONDITIONS					
MIND AFT	OC ITY-KNOTS			VFR	DE MENTHER COMMITTUMS					
_	LIGHT PLAN			••••						
SPECIAL D	ATA									
	IDURS IN CROP CONT	RDL - 306	KIND OF OPERATION - SPRAYING CROPS							
	: CROP - CORN 5 SEAT BELT - FAST	ENEO-BROBERI V	TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED							
	5 - NOT USED	ENED-PRUPERLY	CRASH HELMET - AVAILABLE USED							
	CRASHPAD - NOT I	NSTALLED	CRASH BAR - NOT INSTALLED							
TANK/HO	IPPER-LOCATION - S	SIDES			RAIN-TYPE - LEVEL.FLAT					
ELEVATI	ION-AREA BEING TRE	ATED-FEET - 17		SWA	TH RUN-HOW FLOWN - WINC	) CALM				

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUF F	RIES	; 1/N	FLIGHT PURPOSE	PILOT DATA
	3/15/76 TIME - 12	MIAMI,FL 45	HILLER UH-12D N62362 DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1 2	MISCELL ANEOUS OTHER PUBLIC	COMMERCIAL, AGE 29, 1394 TOTAL HOURS, 120 IN TYPE INSTRUMENT RATED.
	NAME OF A DEPARTURE MIAMI.F TYPE OF A ENGINE	IRPORT - WATSON IS	LAND HEL INTENDED DESTINATION LOCAL		•	PHAS	ie i	DF OPERATION LIGHT CLIMB TO CRUISE ING LEVEL OFF/TOUCHDOW	
	PROBARLE POWERPL PILOT I PARTIAL P EMERGENCY	CAUSE(S) ANT - MISCELLANEOU N COMMAND - FAILED OWER LQSS - PARTIA	IS POWERPLANT FAILURE F O TO SEE AND AVOID OBJEC OL LOSS OF POWER - 1 ENC FORCED LANDING OFF AIRPO	CTS OR GINE	DE 1	TERI BSTI	(INI RUC	ED REASONS TIONS	
-0865	4/12/76 TIME - 15	N MIAMI BEACH.FL 00	BELL 47G N4837 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- PX-	0	0	1 2	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 26, 1881 10TAL HOURS, 24 IN TYPE, INSTRUMENT RATED.
	DEPARTURE	POINT	INTENDED DESTINATION						INSTRUMENT RATED.
	N MIAMI TYPE OF A ENGINE COLLIDE	TION			11	F	DF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTA	TIVE LANDING	
	PILOT I MISCELL MISCELL COMPLETE	N COMMAND - INADEO N COMMAND - MISHAN ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT POWER LOSS - COMPL	DIATE PREFLIGHT PREPARATIONS - INATTENTIVE TO FINENTIVE TO FINENTIVE TO FINENTIVE TO FOR THE PROPERTY OF FAILURE/FLANTING OFF AIRPORTED TO THE PROPERTY OF T	FUEL S	UPF	PLY Engl	NE	NNING	
-2347	5/4/76 TIME - 17	M[AM].FL 00	HUGHES 269C N9284F Damage—Substantial	CR- PX-	0	0	2	INSTRUCTIONAL Dual	COMMERCIAL, FL.INSTR., AGE 24, 1497 TOTAL HOURS 105 IN TYPE, NOT INSTRU- MENT RATEO.
	DEPARTURE	POINT	INTENDED DESTINATION						HENT RATED.
	ENGINE	L CCIDENT FAILURE OR MALFUNC ER/DOWN	LOCAL			11	l F	OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTA	TIVE LANDING
	POWERPL PILOT I	EL - MAINTENANCE.S ANT - FUEL SYSTEM N COMMAND - SELECT	SERVICING, INSPECTION IN FUFL INJECTION SYSTEM ED UNSUITABLE TERRAIN						
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- IP USED FLOS & DIRT ROADS FOR AUTOROTATION SIDES OF INJ UNIT DU								& DUST IN CYL.

FILE			AIRCRAFT DATA	INJU	RIES S M	/N	FLIGHT PURPOSE			PILOT DATA
3-2476	5/21/76 TIME - 18	LAKE BUTLER,FL 15	BELL 47D-1 N74123 Damage-Surstantial	CR- O PX- O	0	1 0	COMMERCIAL ASSOC CROP	CIL	ACTIVITY	COMMERCIAL, AGE 34, 2147 TOTAL HOURS, BO IN TYPE, NOT INSTRUMENT RATED.
	LAKE BU	CC IDENT	INTENDED DESTINATION LOCAL	1			F OPERATION FF VERTICA			
		CAUSE(S) N COMMAND - INADEOU	IATE PREFLIGHT PREPARA	TION AND	/OR	PLA	NN I NG			
	KIND OF GLOVES COCKPIT TANK/HO ELEVATION	OURS IN CROP CONTRI CROP - OTHER - USED CRASHPAD - NOT IN: PPER-LOCATION - SII ON-AREA BEING TREAT	TALLED DES		TY CR CR TE	PE ASH ASH RRA	HELMET - A BAR - NOT IN-TYPE - L	USEI VAIL INSTI EVEL	D - LIOUID ABLE USED ALLED	OPS CHEMICAL-NONTOXIC
-1510	TIME - 11	55	NBGB Damage-destroyed							STUDENT, AGE 56, 66 TOTA HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE MULBERRY TYPE OF A	IRPORT - CINCLE-X POINT Y•FL CCIDENT D WITH WIRES/POLE:	INTENDED DESTINATION LOCAL				F OPERATION FF INITIAL		мв	
		N COMMAND - INADEO	IATE PREFLIGHT PREPARA OLD OLDVA DNA SEE AND AVOID OBJE							
3-3055	7/21/76 TIME - 10	NR.WINTER GARDEN.FI 15	. BELL 47G N106L Damage-Substantial	PX- 0			COMMERCIAL OTHER			COMMERCIAL, AGE 52, 2025 TOTAL HOURS, 1800 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE ORLANDO Type of A Engine	,FL	INTENDED DESTINATION LOCAL TION		IN	FL	F OPERATION IGHT CLIME NG POWER-C	TO		E LANDING
	MISCELL COMPLETE EMERGENCY	CAUSE(S) ANT - ENGINE STRUCT ANEOUS ACTS, CONDIT POWER LOSS - COMPLI CIRCUMSTANCES - FI ENG FAILED AFTER I	MEDUT-1 PORT ON L	AND		AERIAL SIGH	IT SE	EING FLT.US	SING 100 LL FUEL.	

		ION AIRCRAFT DAT	F		FLIGHT PURPOSE	
	8/17/76 NR.CAMPBELL	7/76 NR.CAMPBELLTON.FL BELL 47D-1 CR- 0 0 1 MISCELLANEOUS E-1200 NB282E PX- 0 0 TEST	COMMERCIAL, AGE 47, 7679 TOTAL HOURS, 3400 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - PR					
	DEPARTURE POINT	INTENDED DESTINAT LOCAL	100			
	TYPE OF ACCIDENT	LOCAL		DUNCE O	FOPERATION	
		LIURE TALL ROTOR			FF VERTICAL	
	COLLIDED WITH OBJ	ILURE TAIL ROTOR ECT			NG POWER-OFF AUTORO	TATIVE LANDING
		T CONTROL SYSTEMS TAIL R		ONTROL	SYSTEM	
	MISCELLANEOUS ACTS		OTOR PITCH C Installed			
-3898	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL	T CONTROL SYSTEMS TAIL R ,CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 2698	OTOR PITCH C INSTALLED IT TRAILER D	URING E	MERGENCY LANDING.	COMMERCIAL, FL.INSTR.,
-3898	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 2698	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- 0	URING E	MERGENCY LANDING.	COMMERCIAL, FL.INSTR., AGE 33, 5650 TOTAL HOURS, 1500 IN TYPE, NOT INSTRU- MENT RATED.
-3898	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 269B N9553F DAMAGE-DESTROY	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- 0	URING E	MERGENCY LANDING.	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU-
-3898	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL TIME - 1745  NAME OF AIRPORT - PR DEPARTURE POINT	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 2698 N9553F DAMAGE-DESTROY IVATE HELIOPORT INTENDED DESTINAT	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- O	URING E	MERGENCY LANDING.	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU-
	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL TIME - 1745  NAME OF AIRPORT - PR DEPARTIRE POINT PENSACOLA.FL	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 269B N9553F DAMAGE-DESTROY IVATE HELIOPORT INTENDED DESTINAT	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- O ED	URING E	MERGENCY LANDING. INSTRUCTIONAL DUAL	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU-
	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL TIME - 1745  NAME OF AIRPORT - PR DEPARTURE POINT PENSACOLA,FL TYPE OF ACCIDENT	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H  A.FL HUGHES 269B N9553F DAMAGE-DESTROY  IVATE HELIOPORT INTENDED DESTINAT LOCAL	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- O ED	URING E  0 2  0 0	MERGENCY LANDING.  INSTRUCTIONAL  DUAL  F OPERATION	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU-
	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL TIME - 1745  NAME OF AIRPORT - PR DEPARTURE POINT PENSACOLA.FL TYPE OF ACCIDENT PROPELLER/ROTOR FA	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H A.FL HUGHES 2698 N9553F DAMAGE-DESTROY IVATE HELIOPORT INTENDED DESTINAT	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- O ED	URING E  0 2 0 0	MERGENCY LANDING. INSTRUCTIONAL DUAL	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU- MENT RATED.
3-3898	MISCELLANEOUS ACTS REMARKS- TAIL ROTOR  8/27/76 NR.PENSACOL TIME - 1745  NAME OF AIRPORT - PR DEPARTURE POINT PENSACOLA,FL TYPE OF ACCIDENT PROPELLER/ROTOR FA COLLISION WITH GRO PROBABLE CAUSE(S)	T CONTROL SYSTEMS TAIL R .CONDITIONS - IMPROPERLY RIGGED IN REVERSE. SKID H  A.FL HUGHES 269B N9553F DAMAGE-DESTROY  IVATE HELIOPORT INTENDED DESTINAT LOCAL  ILURE TAIL ROTOR	OTOR PITCH C INSTALLED IT TRAILER D  CR- O PX- O ED	URING E  0 2 0 0  PHASE 0 TAKEO LANDI	MERGENCY LANDING.  INSTRUCTIONAL DUAL  F OPERATION FF RUNNING NG POWER-OFF AUTORO	AGE 33, 5650 TOTAL HOURS 1500 IN TYPE, NOT INSTRU- MENT RATED.

REMARKS- TAIL ROTOR FURK BOLT LOST IN FLT TSO UNK

FILE			AIRCRAFT DATA	E (	44 / 61	DUDDOCE	PILIT DATA
		HOLMES BEACH, FL	HUGHES 2698	CR- 0 PX- 0	) }	COMMERCIAL	COMMERCIAL, FL.INSTR., IVITY AGE 38, 2021 TOTAL HOURS. 239 IN TYPE, INSTRUMENT RATED.
	DEPARTURE P PALMETTO, TYPE OF ACC COLLISION	FL	INTENDED DESTINATION LOCAL R CONTROLLED			F OPERATION NG POWER-OFF AUTORO	TATIVE LANDING
	MISCELLAN Terrain -	ITS/EQUIPMENT AND A IEOUS ACTS.CONDITIO ROUGH/UNEVEN IRCUMSTANCES - FOR	ACCESSORIES - MISCELL ONS - MATERIAL FAILUR RCFD LANDING OFF AIRP SPECTED MECHANICAL DI	E ORT ON LAN		T SPRAY, DUSTING EOU	JIPMENT
	KIND OF C P1LOT'S S GOGGLES - COCKPIT C TANK/HOPE ELEVATION	IRS IN CROP CONTROI PROP - MOSQUITO COM BEAT BELT - FASTENI - NOT USED PRASHPAD - NOT INS PER-LOCATION - SIDI N-AREA BEING TREATI	NTROL ED-PROPERLY TALLED ES ED-FEET ~ 4		TYPE GLOVE CRASH CRASH TERRA SWATH	S - NOT USED HELMET - AVAILABLE- I BAR - NOT INSTALLEI IN-TYPE - DENSE WITH I RUN-HOW FLOWN - CRO	LIQUID CHEMICAL-TOXIC -NOT USED D TREES
3-2939	TIME - 163		N41843 Damage-Substantial	PX- 0	0 l 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 55, 18050 TOTAL HOURS, 15 IN TYPF, INSTRUMENT RATED.
	DEPARTURE (	POINT RDALE.FL CIDENT	INTENDED DESTINATION LOCAL			F OPERATION. 16H1 HOVERING	
	FACTOR(S) PILOT IN PILOT IN MISCELLA FIRE AFTER	COMMAND - FAILED  COMMAND - LACK OF COMMAND - IMPROPE NEOUS ACTS, CONDITION	TO MAINTAIN ADEQUATE FAMILIARITY WITH AIR R OPERATION OF FLIGHT ONS - LOAD NOT JETTIS N ACFT.	CRAFT CONTROLS	м.		

FILE		AIRCRAFT DATA	INJURIES F S M/N	FL 1GHT PUR POSE	PILOT DATA
3-3993	10/2/76 GULFSTREAM.FL TIME - 1545 DEPARTURE POINT		CR- 1 0 0	NONCOMMERCIAL	
	TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/		IN FL	F OPERATION IGHT LOW PASS IGHT UNCONTROLLED DESC	Ent
	PROBABLE CAUSFIS) PILOT IN COMMAND - IMPR REMARKS- PROP & ROTOR BLA	ROPER OPERATION OF FLIGHT ADES COLLIDED.	CONTROLS		
3-2936	10/4/76 LAKE PLACID.FI TIME - 1230	ENSTROM F-28A N1620 DAMAGF-SUBSTANT[AL	PX- 0 0 1		AIRLINE TRANSPORT, AGE SP 33, 7200 TOTAL HOURS, 180 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT LAKE PLACID.FL TYPE OF ACCIDENT HARD LANDING	INTENDED OFSTINATION FT LAUDERDALE,FL		F OPERATION FF VERTICAL	RATED.
	PILOT IN COMMAND - IMPR	LED TO MAINTAIN ADEQUATE COPER OPERATION OF FLIGHT DUDGED SPEED AND ALTITUDE	CONTROLS		
	•				
3-4024	10/8/76 DESTIN,FL Time - 0920	ENSTROM F-28 N498H Damage-Substantial	PX- 0 0 0	INSTRUCTIONAL DUAL	ATP, FLIGHT INSTR., AGE 46, 18000 TOTAL HOURS, 95 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - DESTIN DEPARTURE POINT DESTIN,FL TYPE OF ACCIDENT HARD LANDING			F OPERATION GROUND TAX! TO TAKEOFF	RAILD.
	PROBABLE CAUSE(S)  DUAL STUDENT - FAILED TO DUAL STUDENT - FAILURE	DEQUATE SUPERVISION OF FL	R R.P.M.		

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIE F S	S M/N	FLIGHT PURPOSE	PILOT DATA			
	10/23/76 TIME - 185	LAKE WORTH,FL	HILLER UH-12D N62401 DAMAGE-SUBSTANTIAL				COMMERCIAL, AGE 32, 3875 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.			
	NAME OF AT	RPORT - LANTANA	INTENDED DESTINATION LOCAL							
	PALM BEA	CH.FL	LOCAL							
	ENGINE F	CCIDENT FAILURE OR MALFUNC D WITH TREES		PHASE OF OPERATION IN FLIGHT CLIMB TO CRUISE LANDING POWER-OFF AUTOROTATIVE LANDING						
	MISCELLA	N COMMAND - INADEQ ANEOUS ACTS, CONDIT	UATE PREFLIGHT PREPARA IONS - WATER IN FUEL IONS - FUEL CONTAMINAT							
	TERRAIN COMPLETE P EMERGENCY	HIGH OBSTRUCTION POWER LOSS - COMPL	NS ETE ENGINE FAILURE/FLA ORCED LANDING NFF AIRP	MEOUT-1 ENG	INE					
3-0352	2/17/76	ATLANTA, GA	BELL TH13T	CR- 0 0	. 1	MISCELLANERUS	COMMERCIAL, AGE 26, 2278 TOTAL HOURS, 66 IN TYPE, NOT INSTRUMENT RATED.			
	TIME - 150	00	N3GF DAMAGE-SUBSTANTIAL	PX- 0 (	0	OTHER PUBLIC	TOTAL HOURS, 66 IN TYPE, NOT INSTRUMENT RATED.			
	NAME OF A	IRPORT - CHARLIE E	ORT - CHARLIE BROWN CO INT INTENDED DESTINATION ATLANTA,GA DENT							
	TYPE OF AC	CCIDENT	AILANIA†GA	PHA	SE C	F OPERATION				
		FAILURE OR MALFUNC				NG FINAL APPROACH NG POWER-OFF AUTORO	TATIVE LANDING			
	POWERPL/ MISCELL/ MISCELL/	EL - MAINTENANCE,S ANT - ENGINE CONTR ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT	ERVICING, INSPECTION I OLS THROTTLE-POWER LE IONS - IMPROPERLY SECU IONS - DISCONNECTED PER OPERATION OF FLIGHT	VER ASSEMBL		NANCE (MAINTENANCE PE	ER SONNEL )			
	PILOT IA	N COMMAND - MISJUD	GED SPEED AND ALTITUDE							
	EMERGENCY	CIRCUMSTANCES - F	LL LOSS OF POWER - 1 EN ORCED LANDING ON AIRPO CAME LOOSE AT CARB.SAFE	RT/SEAPLANE			·TS.			
	ı									
3-2124		COMER .GA	HUGHES 269A	CR- O	1	MISCELL ANEOUS	CUMMERCIAL, AGE 26, 614			
	TIME - 180		N8897F Damage-Substantial		U	TEST	TOTAL HOURS, ALL IN TYPE, INSTRUMENT RATED.			
	DEPARTURE COMER.GA		INTENDED DESTINATION LOCAL							
	TYPE OF AC			PHA	SE C	F OPERATION . OFF INITIAL CLIMB				
	PROBABLE (		TO SEE AND AVOID NBJE	CTS OR OBS	RUC	TIONS				

FILE	DATE LOCATI		F	:	IES S M	/N	FL IGHT PURPOSE	PILOT DATA
	5/3/76 STOCKARIDG TIME - 1740	E,GA BELL 47G N4070B DAMAGE-SUBSTANTIAL	CR- PX-	0	0	2	INSTRUCTIONAL DUAL	ATP, FLIGHT INSTR., AGE 36, 8501 TOTAL HOURS, 54 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - BEL DEPARTURE POINT STOCKBRIDGE, GA TYPE OF ACCIDENT	LAH Intended destination Local		ρ			F OPERATION	
	HARD LANDING GEAR COLLAPSED						NG POWER-ON LANDING NG POWER-ON LANDING	
	PILOT IN COMMAND - FACTORIS)	OPER LEVEL OFF ED TO MAINTAIN ADEQUATE ROTO INADEQUATE SUPERVISION OF FL CONDITIONS - OVERLOAD FAILUR	16HT	1.				
		2011 17	60	_			WASSELL ANSONS	CONVERCIAL ACE 30 2003
1-2522	B/27/76 AUGUSTA+GA TIME - 1300	N995D DAMAGE-SUBSTANTTAL	PX-				MISCELLANEOUS Test	COMMERCIAL, AGE 30, 2893 TOTAL HOURS, 93 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPURT - DAN DEPARTURE POINT AUGUSTA-GA	IEL FIELD INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDENT HARD LANDING			P			F OPERATION NG POWER-OFF AUTOROTATIV	E LANDING
		MISJUNGED SPEED AND ALTITUDE TERMINATE AUTOROTATION AT HO						
3-3848	12/12/76 VANCEVILLE TIME - 1530	.GA BELL 47D] N3575 DAMAGE-SURSTANTIAL	PX-				NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 34, 1120 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT VANCEVILLE.GA TYPE OF ACCIDENT	INTENDED DESTINATION LOCAL		ρ	HAS	ΕO	F OPERATION	,
		ND/WATER CONTROLLED			IN	FL	IGHT HOVERING	
		FAILED TO MAINTAIN ADEQUATE IMPROPER OPERATION OF POWERP					NT CONTROLS	
		CONDITIONS - AIRCRAFT CAME T WATER DRG PRACT HOVER.STUDE						

FILE	DATE LOCAT	ION AIRCRAFT DATA	Zalaulul N/M Z a	FLIGHT PURPOSE	PILOT DATA		
3-0166	1/9/76 NR.HONOLULU TIME - 1315 DEPARTURE POINT	,HI BELL 206B N59471 DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- 1 0 1	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 27, 3535 TOTAL HOURS, 710 IN TYPE, NOT INSTRUMENT RATED.		
	TYPE OF ACCIDENT	LOCAL DUND/HATER CONTROLLED.	PHASE (	OF OPERATION .IGHT HOVERING			
	PROBABLE CAUSE(S) PILOT IN COMMAND PILOT IN COMMAND	- IMPROPER IN-FLIGHT DECISIONS - FAILED TO MAINTAIN ADEQUATE - MISJUDGED ALTITUDE AND CLEAR	OR PLANNING ROTOR R.P.M.				
	MISCELLANEOUS ACTS WEATHER - UNFAVORA WEATHER BRIEFING - N	FAILED TO USE OR INCORRECTLY  CONDITIONS - AIRCRAFT CAME I BLE WIND CONDITIONS ID RECORD OF BRIEFING RECEIVED ORECAST SUBSTANTIALLY CORRECT	IN REST IN WATER				
	SKY CONDITION OVERCAST/LOMER SCA VISIBILITY AT ACCIDE 5 OR OVERTUNLIMITE OBSTRUCTIONS TO VISI	ENT SITE (D)	25000 PRECIPI NONE	G AT ACCIDENT SITE D . ITATION AT ACCIDENT SI ATURE-F	TE		
	NONE WIND DIRECTION-DEGRE		73 WIND VELOCITY-KNOTS 18 Type of flight plan				
	TYPE OF WEATHER COND VFR REMARKS- SETTLED INT	O OCEAN.DOWNWIND GUSTS TO 22M	NONE		EQUIP AVAIL, NOT USED.		
3-0167	2/3/76 OAHU,HI TIME - 0915	HILLER ACFT UH-128 N108HA DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 29, 3963 TOTAL HOURS, 600 IN TYPE, NOT INSTRU- MENT RATEU.		
	DEPARTURE POINT HONOLULU.HI TYPE OF ACCIDENT COLLIDED WITH WIF	INTENDED DESTINATION LOCAL RES/POLES	PHASE (	DE OPERATION LIGHT SWATH RUN	PENI RAILU.		
	PROBABLE CÀUSEIS) PILOT IN COMMAND - FACTOR(S) TERRAIN - HIGH OBS	- FAILED TO SEE AND AVOID OBJE	ECTS OR OBSTRUC	HONS			
	KIND OF CROP - OTH PILOT'S SEAT BELT GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATI ELEVATION-AREA BE	- FASTENED-PROPERLY ) - NOT INSTALLED	TYPE GLOV CRASI CRASI TERK SWATI	ES - USED 4 HELMET - AVAILABLE U H BAR - NIIT INSTALLED AIN-TYPE - LEVEL.FLAT H RUN-HOW FLOWN - WINO	OUTO CHEMICAL-NONTOXIC		

FILE	DATE	LOCATION	AIRCRAFT DATA	INJUI	RIES	s	FLIGHT		PILOT DATA	
		HAENA,KAUAI,HI		CR- O PX- O	0	1	COMMERCIAL		COMMERCIAL, AGE 44, 5000 TOTAL HOURS, 152 IN TYPE, INSTRUMENT RATED.	
			INTENDED DESTINATION							
	TYPE OF ACC		LIICAL	f	PHAS	ie n	F OPERATION			
	MISCELLAN						FF VERTICAL			
	COLLIDED	WITH RESIDENCE	5)		1 4	KEU	FF ABORTED			
	PROBABLE CA	MISE (S)								
			-PERSONNEL PASSENGER		T CC		0. 6			
	FACTORISI	MEDITA META PERINDITI	INNS - INTERFERENCE WIT	IH FLIGH		MIK	11.17.2			
	TERRAIN -	- HIGH DASTRUCTION	15							
	REMARKS- PA	AX INADVERTENTLY I	BLOCKED & CYCLIC CTL W	ITH FOOT	. M,	/R B	LADES DMGD APT VE	RANDA. S	IGHTSEEING FLT.	
3-0927	4/22/76 TIME - 1400	WORLEY•IN )	HILLER ACFT UH-12E N101EH DAMAGE-SUBSTANTIAL	PX- O	0	1	COMMERCIAL ASSOC CROP CTL A	CTIVITY	COMMERCIAL, AGE 30, 1840 TOTAL HOURS, 400 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE P		INTENDED DESTINATION LOCAL						INSTRUMENT RATED.	
	TYPE OF ACC	LIDENT		f	PHAS	SE O	F OPERATION			
	CULLISION	WITH GROUND/WATE	ER UNCONTROLLFO		T	KEO	FF VERTICAL			
	PROBABLE CA	AUSF(S)								
			R IN-FLIGHT DECISIONS TO SEE AND AVOID OBJEC				IONS			
	FACTOR(S) INSTRUMEN	NTS/EQUIPMENT AND	ACCESSORIES - MISCELL	ANEOUS E	9U I I	PMEN	T OTHER			
	SPECIAL DAT	ſΑ								
	TOTAL HOL	IRS IN CROP CONTRO	DL - 1840				OF OPERATION - FE			
		CROP - GRAIN FIELI Seat Belt - Unknow		TYPE OF CHEMICAL USED - DRY CHEMICAL-NONTOXIC GLOVES - NOT USED						
		- NOT USED	MATALLI REFIREIED				HELMET - AVAILAR	LE USED		
		CRASHPAD - NOT INS	STALLED				BAR - NOT INSTAL			
	TANK/HOPPER-LOCATION - BELLY TERRAIN-TYPE - ROLLING ELEVATION-AREA BEING TREATED-FEET - 3000									
			TED-FEET - 3000 BUCKET NNTN TRUCK.R SK	IU CVIICH,	T 111	iveo	CARLE ELIPPED DU	FD WHEN	LIETING DEF.	
	WEINWAYNO FI	SWORD IEVITERIED I	BOCKET DIATO THOCK THE 2K	ID CAUGH		117 F. U	CAREFUL FILLER DA	EL MILEN	L	

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES	1/N	FLIGHT PURPOSE	PILOT DATA				
3-1865	4/23/76 TIME - 181 DEPARTURE	WHITE BIRD, ID 5 POINT	ENSTROM F-28A N7158P DAMAGE-DESTROYED INTENDED DESTINATION	CR- C	) 1	0	NONCOMMERCIAL PLEASURE/PERSONAL TRAI	STUDENT, AGE 23, 40 TOTAL NSP HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.				
	WHITE BIRD ID LOCAL  TYPE OF ACCIDENT PHASE OF OPERATION  COLLIDED WITH WIRES/POLES IN FLIGHT NORMAL CRUISE											
	MISCELLA PILOT IN FACTORIS) TERRAIN FIRE AFTER	I CÓMMAND - IMPROP NEGUS ACTS,CONDIT I COMMAND - FAILED - HIGH DASTRUCTIO I IMPACT		FLYING ECTS OR O	IBS TF	UC 1	TIONS SHAFTS.PLT AND PAX LATE	ER DIED OF THEIR INJ.				
				:		-						
3-1592	5/17/76 N TIME - 204	IR.BURLEY.ID	BELL 47G3B1 N47O42 Damage-Surstantiai	CR- ( PX- (	0 0	ì	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 31, 540 10TAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE	POINT	INTENDED DESTINATION									
	PROBABLE C PILOT IN PILOT IN FACTOR(S) WEATHER WEATHER BE	:AUSE(S) 1 COMMAND - IMPROP 1 COMMAND - MISJUD - HIGH DENSITY AL	ER IN-FLIGHT DECISION GED SPEED AND ALTITUDI TITUDE D OF BRIEFING RECEIVE	NS OR PLANNING E								
	SKY CONDIT	110N	•				AT ACCIDENT SITE					
	5 OR OVE	/ AT ACCIDENT SITE ER(UNLIMITED) DNS TO V(SION AT A			PREC	IP:	AITED ITATION AT ACCIDENT SIT ATURE-F	E				
	NONE	EATHER CONDITIONS	001112W1 31112		TYP!	š	FLIGHT PLAN					
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOR ELEVATIO	OURS IN CROP CONTR CROP - GRAIN FIEL SEAT BELT - FASTE - NOT USED CRASHPAD - NOT IN PPER-LOCATION - SI ON-AREA BEING TREA	DS Ned-properly Stalled	(2005)	T G C C T	PE OVI RASI RASI ERR	OF OPERATION - SPRAYING OF CHEMICAL USED - LIQ ES - NOT USED 1 HELMET - AVAILABLE US 1 BAR - NOT INSTALLED AIN-TYPE - LEVEL,FLAT 1 RUN-HOW FLOWN - WIND	UID CHEMICAL-NONTOXIC				

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES	!/N	FLIGHT PURPOSE	PILOT DATA				
	6/10/76 TIME - 064	RUPERT, ID 5	HILLER ACFT UH-12E N68021 DAMAGE-DESTROYED					COMMERCIAL, FL.INSTR., AGE 25, 1800 TOTAL HOURS, 500 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE	POINT	INTENDED DESTINATION LOCAL					HENT RATED.				
	TYPE OF AC	D C IDENT	LUCAL		PHA:	E (	F OPERATION					
	COLLIDED	COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN										
	PILOT IN FACTOR(S) MISCELLA	COMMAND - INADE										
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP	LDS' ENED-PROPERLY NSTALLED IDES ATED-FEET - 4000		TY GI CI CI	PE OVE ASH	OF OPERATION - SPRAYING OF CHEMICAL USED - LIQU S - USED I HELMET - AVAILABLE USE I BAR - NOT INSTALLED IN-TYPE - HILLY	D CHEMICAL-TOXIC					
3-2200	6/17/76 TIME - 110	NEZPERCE, ID O	HILLER ACFT UH-12E N5944V DAMAGE-SUBSTANTIAL	CR- ( PX- (	0 0	1 0	COMMERCIAL ASSOC CROP CTL ACTIVIT	COMMERCIAL, AGE 36, 1380 Y TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE	POINT	INTENDED DESTINATION		PHASE (			NOT INSTRUMENT RATED.				
	TYPE OF AC	CIDENT	LOCAL TER UNCONTROLLED				F OPERATION IFF VERTICAL					
	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S)  PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT											
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP	URS IN CROP CONTI CROP - PASTURE SEAT BELT - UNKNI - USED CRASHPAD - NOT II PER-LOCATION - S	NUMM/NOT REPORTED		GI GI CI CF	PE OVE LASH	OF OPERATION - SPRAYING OF CHEMICAL USED - LIOU S - NOT USED HELMET - AVAILABLE USE BAR - NOT INSTALLED IN-TYPE - MOUNTAINOUS	ID CHEMICAL-NONTOXIC				

		• • • • • • • • • • • • • • • • • • • •										
FILE		AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA							
	7/8/76 NR.GOODING.ID TIME - 0850		CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL	COMMERCIAL, AGE 26, 2100 10TAL HOURS, 120 IN TYPE, INSTRUMENT RATED.							
	DEPARTURE POINT GOODING.ID TYPE OF ACCIDENT ENGINE FAILURE OR MALF	INTENDED DESTINATION LOCAL .		OF OPERATION								
	COLLISION WITH GROUND/			ING POWER-OFF AUTORD	TATIVE LANDING							
	PROBABLE CAUSE(S)  POWERPLANT - FUEL SYSTEM PUMPS  MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION  FACTOR(S)  TERRAIN - ROUGH/UNEVEN											
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT											
	REMARKS- ELECTRIC SOLENO	ID PRIMER VALVE BODY FND	OPEN,NO FUEL 11	I CARB.								
3-1716	7/10/76 GAADING.ID TIME - 1040	HUGHES 269A N7432F Damage—Substantia			COMMERCIAL, FL.INSTR., AGE 29, 3093 TOTAL HOURS, 190 IN TYPE, NOT INSTRU- MENT RATED.							
	NAME OF AIRPORT - GOODIN DEPARTURE POINT GOODING.ID				HENY NATED.							
	TYPE OF ACCIDENT COLLIDED WITH WIRES/P		PHASE O	RUN								
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAI	LEO TO SEE AND AVOID OBJE	CTS OR OBSTRUCT	TIONS								
	SPECIAL DATA TOTAL HOURS IN CROP CO KIND OF CROP - POTATOE PILOT'S SEAT BELT - UN GOGGLES - NOT USED COCKPIT CRASHPAD - NOT TANK/HOPPER-LOCATION - SWATH RUN-HOW FLOWN -	KNOWN/NOT REPORTED INSTALLED SIDES	TYPE GLOVI CRASI CRASI	OF OPERATION - SPRAY OF CHEMICAL USED - L ES - USED 1 HELMET - AVAILABLE 1 BAR - NOT INSTALLED ATION-AREA HEING TREA	TOUTD CHEMICAL-NONTOXIC USED							

FILE	DATE	LOCATION	AIRCRAFT DATA		RIES S M/N	FLIGHT PURPOSE		PILOT DATA		
3-2820	9/8/76 TIME - 1000 NAME OF ALL DEPARTURE JEROME, II TYPE OF AC PROPELLE NOSE OVE PROBABLE C ROTORCRA MISCELLA FACTOR(S) TERRAIN	JEROME, ID D RPORT - UN NAMED POINT CIDENT R/ROTOR FAILURE R/DOWN AUSE(S) FT - TRANSMISSION NEOUS ACTS, CONDI	HILLER ACFT UH-12E N62346 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- OPX- O	O 1 O 0 PHASE ( TAKEC LANO)		CIL ACTIVITY	COMMERCIAL, AGE 37, 1140 TOTAL HOURS, 594 IN TYPE, NOT INSTRUMENT RATED.		
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP	URS IN CROP CONT CROP - OTHER SEAT BELT - UNKN - NOT USED CRASHPAD - NOT I PER-LOCATION - S	DWN/NOT REPORTED .	LFALFA.	KIND OF OPERATION - DEFOLIATION (LIQUID)  TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIO GLOVES - NOT USED  CRASH HELMET - AVAILABLE USED  CRASH BAR - NOT INSTALLED  TERRAIN-TYPE - ROLLING					
3-3085	9/27/76 TIME - 071	CLARK FORK.ID 5	HILLER ACFT UH-12E N62409 DAMAGE-SUBSTANTIAL			NONCOMMERC PRACTICE	IAL	COMMERCIAL, AGE UNK/NR, 3005 TOTAL HOURS, 104 IN 1YPE, NOT INSTRUMENT RATED.		
	DEPARTURE CLARK FO TYPE OF AC HARD LAN	RK.ID CINENT	INTENDED DESTINATION LOCAL			OF OPERATION ING POWER-OI	FF AUTOROTATIV			
	PILOT IN FACTOR(S) MISCELLA	COMMAND - FAILE COMMAND - MISJU	N TO MAINTAIN AREQUATE R DGED SPEED AND ALTITUDE TIONS - SIMULATED CONDIT TION.		Р.М.			·		

FILE	DATE LOCAT	ION AIRCRAFT DATA	INJUR F	IES S m/n	FLIGHT PURPOSE	PILOT DATA
3-0355	3/15/76 ST JACOB, TIME - 1745	IL HILLER UH-12D N62417 Damage-Substantial	CR- 0 PX- 0	0 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 26, 1200 TOTAL HOURS, 23 IN TYPE, NOT INSTRU- MENT RATED,
	NAME OF AIRPORT - BEI DEPARTURE POINT ST JACOB.IL TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION LOCAL			F OPERATION NG POWER-ON LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND -	FAILED TO MAINTAIN ADEQUATE	ROTOR R.P	.н.		
3-0988	4/29/76 ELDRED.IL TIME - 1245	DAMAGE-SUBSTANT I AL		0 l 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 27, 1541 TOTAL HOURS 91 IN TYPE, NOT INSTRU- MENT RAIED.
	DEPARTURE POINT ST JACOB-IL TYPE OF ACCIDENT ENGINE FAILURE OR I COLLIDED WITH DITI	CHES	P		F OPERATION IGHT SWATH RUN NG POWER-OFF AUTOROTA	ATIVE LANDING
	PROBABLE CAUSE(S) PERSONNEL - MAINTEI MISCELLANEOUS ACTS	NANCE,SERVICING,INSPECTION ( ,CONDITIONS - FUEL CONTAMINAT - COMPLETE ENGINE FAILURE/FLA	THER	SIVE O		
	KIND OF CROP - OTH PILOT'S SEAT BELT GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATI ELEVATION-AREA BEI	- FASTENED-PROPERLY	ACET BOLLE	TYPE GLOVE CRASH CRASH TERRA SWATH	S - USED HELMET - AVAILABLE US BAR - NOT INSTALLED IN-TYPE - ROLLING RUN-HOW FLOWN - WIND	QUID CHEMICAL-NONTOXIC SED CALM

...111

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	IES		FLIGHT		PILOT DATA		
		ENCEVILLE, IL	AELL 47G-2	CR- PX-	0	1	0	COMMERCIAL	COMMERCIAL, FL.INSTR. TIVITY AGE 29, 5995 TOTAL HO BIO IN TYPE, INSTRUME RATED.			
	NAME OF AIRPORT											
	DEPARTURE POINT											
	TYPE OF ACCIDEN	IT .						F OPERATION				
	COLLISION WIT	H GROUND/WATER	UNCONTROLLED			IN	FL	IGHT OTHER				
	PROBABLE CAUSE MISCELLANEOUS											
	SPECIAL DATA TOTAL HOURS I KIND OF CROP GOGGLES - NOT COCKPIT CRASH TANK/HOPPER-L		KIND OF OPERATION - ANTI-FROST OPERATIONS GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED ELEVATION-AREA BEING TREATED-FEET - 426									
3-2129	TIME - 1925		N3537S DAMAGE-DESTROYED	CR- PX-	0	1 0	0	NONCOMMERCIAL BUSINESS		COMMERCIAL, AGE 48, 10000 TOTAL HOURS, 3500 IN TYPE, INSTRUMENT RATED.		
	DEPARTURE POINT		TENDED DESTINATION ST LOUIS.IL									
	TYDE DE ACCIDEN	T		PHASE OF OPERATION								
	PROPELLER/ROT	OR FAILURE MAI	N ROTOR UNCONTROLLED		•	IN	FL	IGHT NORMAL CRUI	SE			
	COLLISION WIT	H GROUND/WATER	UNCONTROLLED			IN	FL	IGHT UNCONTROLLE	DESCENT			
·	DOOD AD S CAUSE	SI	PROBABLE CAUSE(S)  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION INADEQUATE MAINTENANCE AND INSPECTION  ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES  MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED									
	PERSONNEL - P ROTORCRAFT -	IAINTENANCE,SERV ROTOR ASSEMBLIE ACTS,CONDITION	S MAIN ROTOR HEAD						•••••			

FILE	DATE	LOCATION	AIRCRAFT DATA	F	SM		FLIGHT PURPOSE	PILOT DATA
3-2898	7/20/76 M TIME - 1300 DEPARTURE PO RUAL FORSY TYPE OF ACCIO	ARQA.IL Int Th.Il	HUGHES 269C N7435F DAMAGE-DESTROYED INTENDED DEST[NATION LOCAL	CR- O PX- O	0 0	E 01	COMMERCIAL AERIAL APPLICATION  OPERATION IGHT OTHER	COMMERCIAL, AGE 31, 910 TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT RATED.
	MISCELLANE FACTOR(SI MISCELLANE	- FUEL SYSTEM DUS ACTS.CONDIT DUS ACTS.CONDIT	LINES AND FITTINGS IONS - DISCONNECTED IONS - FIRE IN ENGINE ORCED LANDING OFF AIRPO	RT ON LA	4nD			
	GOGGLES - COCKPIT CR TANK/HOPPE ELEVATION-	ASTENED ISTALLED		TY GL CR CR TE SW	PE ( NVE ASH ASH RRA ATH	OF OPERATION - SPRAYIN OF CHEMICAL USED - LIQ SECONDER - USED HELMET - AVAILABLE US BAR - NOT INSTALLED IN-TYPE - LEVEL, FLAT RUN-HOW FLOWN - UNKNO E B NUT ATTACHES WAS N	JID CHEMICAL-NONTOXIC ED HN/NOT REPORTED	
3-4078	TIME - 1615  DEPARTURE PO WOODLAND, IL TYPE OF ACCI	INT DENT LURE OR MALFUNG	N9200F DAMAGE-SURSTANTIAL INTENDED DESTINATION LOCAL	PX- O	O PHAS IN	n En FL	COMMERCIAL AERIAL APPLICATION  F OPERATION IGHT PROCEDURE TURNAR IGHT PROCEDURE TURNAR	INSTRUMENT RATED.
	FACTOR(S) TERRAIN ~ COMPLETE POW	- MISCELLANEDI HIGH VEGETATION ER LOSS - COMPI	IS POWERPLANT FAILURE F I LETE ENGINE FAILURE/FLAM FORCED LANDING OFF AIRPO	EOUT-1	ENG I		D REASONS	
	KIND OF CR PILOT'S SE	S IN CROP CONTE OP - BEANS AT BELT - FASTE	ROL – UNKNOWN/NOT REPORT ENED-PROPERLY NTED-FEET – 650	ED	TY	PE RRA	OF OPERATION - SPRAYIO OF CHEMICAL USED - UND IN-TYPE - LEVEL,FLAT RUN-HOW FLOWN - UNKNO	(NOWN/NOT REPORTED

FILE			AIRCRAFT DATA		F	5 1	I/N	PURPOSE	PILOT DATA
3-2973	7/29/76 ROC TIME - 1930	KFORD, IL	SPORTSTER HA-2M N158 DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, FL.INSTR., AGE 53, 5060 TOTAL HOURS, I IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPOR DEPARTURE POIN ROCKFORD, IL TYPE OF ACCIDE HARD LANDING	F OPERATION NG POWER-ON LANDING							
		MAND - FAILE	D TO MAINTAIN ADEQUATE OF FAMILIARITY WITH AIRC		R.f	Р.Н.	•	•	
3-4089	9/11/76 WAL TIME - 0900		BRANTLY B2B N44DS Damage—Substantial	CR- PX-	0	0	2	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 44, 1597 TOTAL HOURS, 127 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AIRPOR DEPARTURE POIN WAUKEGAN,IL TYPE OF ACCIDE HARD LANDING	nt nt	MEMORIAL INTENDED DESTINATION LOCAL		P			F OPERATION NG POWER-ON LANDING	· · · · · · · · · · · · · · · · · · ·
		MAND - INADE	QUATE SUPERVISION OF FL OPERATION OF FLIGHT CON						
3-3329	10/9/76 GAL TIME - 1315 DEPARTURE POIN	Э <b>т</b>	N2214U DAMAGE-DESTROYED INTENDED DESTINATION	PX-	0	1 0	0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 29, 1120 TOTAL HOURS, 244 IN TYPE, NOT INSTRUMENT RATED.
	ALEDO.IL TYPE OF ACCIDE PROPELLER/RO COLLISION WI	NT OTOR FAILURE	GALESBURG, 1L TAIL ROTOR TER UNCONTROLLED			11	1 FL	F OPERATION IGHT NORMAL CRUISE IGHT UNCONTROLLED DESCEN	ıī
	MISCELLANEON PERSONNEL - FACTOR(S)	ROTOR ASSEM IS ACTS.CONDI MAINTENANCE.	BLIES TAIL ROTOR BLADE TIONS - IMPROPERLY INST SERVICING, INSPECTION IN TIONS - SEPARATION IN F	ALLED ALLED	A 3 E	. m/	TNI	ENANCE AND INSPECTION	
	EMERGENCY CIRC	UMSTANCES - I	FORCED LANDING OFF AIRPO EPARATED IN FLT.		LA	ND			

FILE	DATE		AIRCRAFT DATA	f		IES S M		FL IGHT PUR POSE	PILOT DATA	
	12/11/76 NR.PI TIME - 1425	NTIAC+IL	N9135F Damage-Substantial	CR- PX-				NONCOMMERCIAL PLEASURE/PERSONAL TRA	PRIVATE, AGE 51, 261 ANSP TOTAL HOURS, 24 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POID PONTIAC, IL TYPE OF ACCIDE ENGINE FAILE HARD LANDING	INTENDED DESTINATION LOCAL CTION		P	LA	ND I	F OPERATION NG POWER-OFF AUTOROTA NG POWER-OFF AUTOROTA	· ·		
	PROBABLE CAUSE(S) POWERPLANT - TURBINE ASSEMBLY WHEEL TURBINE MISCELLANEOUS ACTS, CONDITIONS - PREVIOUS DAMAGE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENG FAILED DRG PRACT AUTOROTATION.THERMAL FATIGUE, OUTER RIM.EVIDENCE OF PREVIOUS OIL FIRE,									
3-0871	5/15/76 HE TIME + 1830 DEPARTURE POIL		HUGHES 269C N9653F DAMAGE-SUBSTANTIAI INTENDED DESTINATION LOCAL	PX-				NONCOMMERCIAL PRACTICE	PRIVATE, AGE 36, 237 TOTAL HOURS, 69 IN TYPE, NOT INSTRUMENT RATED.	
	TYPE OF ACCIDE	ENT URE OR MALFUN			P	IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	ATIVE LANDING	
	PROBABLE CAUSE(S)  POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  REMARKS- NR 4 CYL CONNECTING ROD FAILED.									

FILE	DATE	LOCATION	AIRCRAFT DATA	INJUF	160		FLICHT	PILOT DATA		
3-1766	TIME - 091	MONTICELLO.IN 5	N9238Z DAMAGE-SURSTANTIAL	CR- O PX- O	0	1 0	COMMERCIAL APPLICATION	COMMERCIAL, AGE 32, 734 TOTAL HOURS, 154 IN TYPE, NOT-INSTRUMENT RATED.		
	DEPARTURE	POINT	INTENDED DESTINATION							
	MONTICE	LO.IN	LOCAL	_						
	TYPE OF A	CIDENT Fallure or Malfunc'	LION				: OPERATION IGHT PULLUP FROM SWATH R	ii.		
		WITH TREES	TUN		in	FL	IGHT AUTOROTATIVE DESCEN	IT		
	PROBABLE ( POWERPLA FACTOR(S)		S POWERPLANT FAILURE F	OR UNDE	TERM	AINEI	) REASONS			
		- HIGH OBSTRUCTION	NS .							
			TE ENGINE FAILURE/FLAM			NE				
	EMERGENCY	CINCUMSTANCES - FL	DRCED LANDING OFF AIRPO	PORT ON LAND						
	SPECIAL DA	ATA DURS IN CROP CONTRO	DL - 65		ΚI	ND (	OF OPERATION - SPRAYING C	ROPS		
	KIND OF		TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC							
	GLOVES -	STALLED				BAR - NOT INSTALLED				
	TANK/HOI	)ES				N-TYPE - LEVEL.FLAT				
٠	ELEVATION	TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FEET - 675 PROCEDURE TURNAROUND - FIRST 1/3 TURN					RUN-HOW FLOWN - DOWNWIND			
3-1522	6/10/76	MOORESVILLE,IN	RENSEN B7MC N12059	CR- O	0	1	NONCOMMERCIAL TRANSPORTER	PRIVATE, AGE 55, 190		
	11ME - 19	00	DAMAGE-SUBSTANTIAL		U	U		TOTAL HOURS, 120 IN TYPE, NOT INSTRUMENT RATED.		
	NAME OF A	IRPORT - KELLY FIE	fD ;							
	DEPARTURE	POINT	INTENDED DESTINATION LOCAL					•		
	TYPE OF A		LITUAL	ı	рна 9	E DI	- OPERATION			
		FAILURE OR MALFUNC	TION				NG TRAFFIC PATTERN-CIRCL	. I NG		
	HARD LAI		1		L	HDI	IG LEVEL DFF/TOUCHDOWN			
			UATE PREFLIGHT PREPARAT AGEMENT OF FUEL	TION AND.	/OR	PLA	NNING			
			IONS - FUEL EXHAUSTION							
		N COMMAND - IMPROPE POWER LOSS - COMPLI	EK LEVEL NFF ETE ENGINE FAILURE/FLAN	IENUT-1	ENG	INE				
			RCED LANDING ON AIRPOR				HELIPT.			

FILE	DATE	LOCATION	AIRCRAFT DA	TA	INJUR F	IES S M	/N	FL IGHT PUR POSE	PILOT DATA	
3-1377	6/21/76 TIME - 1410	MEDARYVILLE.IN	AEROSPATLE SE N47256 DAMAGE-SUBSTA	3160 CR- PX- NTIAL	- 0 - 0	0	1	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 40, 4100 10TAL HOURS, 100 IN TYPE, NOT INSTRUMENT RATED.	
•	NAME OF A LK	PORT - HANGER ARE DINT LE,IN IDENT	A	TION	£	ZAH' AT	E OF KENF	OPERATION F VERTICAL F OTHER	,	
	MISCELLAN	JSE(S) - PRODUCTION-DES EDUS ACTS,CONDITI T RESTRAINING STR	ONS - CARGO SHIF	TED	DUA 7E	ĐE	S I GN			
3-0384	3/17/76 TIME - 0935	DOWS • I A	BELL 47G-2 N90529 DAMAGE-DESTRO	CR- PX- YED	- o	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 29, 3400 TOTAL HOURS, 2500 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POINT INTENDED DESTINATION  DOWS, TA LOCAL  TYPE OF ACCIDENT PHASE OF OPERATION  COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN									
	PILOT IN ( FACTOR(S)	USE(S) COMMAND - INADEQU COMMAND - FAILED HIGH OBSTRUCTION	TO SEE AND AVOID							
	COCKPIT C	A RS IN CROP CONTRO ROP - OTHER RASHPAD - INSTALL ER-LOCATION - AFT -AREA BEING TREAT	ED OF PILOT			CR CR TE	ASH ASH RRAI	F QPERATION - SEEDING HELMET - AVAILABLE US BAR - INSTALLED N-TYPE - LEVEL,FLAT RUN-HOW FLOWN - UPWIN	ED	
3-0799	4/27/76 TIME - 1730	MARSHALLTOWN, IA	BRANTLEY B-2B N5987X DAMAGE-DESTRO	CR PX-	- o	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRA	PRIVATE, AGE 25, 250 NSP TOTAL HUNRS, 32 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE PO MARSHALLT TYPE OF ACC ENGINE FA NOSE OVER	TIVE LANDING								
	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AN PERSONNEL - MISCELLANEOUS-PERSONNEL PASSENGER MISCELLANEOUS ACTS.CONDITIONS - INTERFERENCE WITH FLIG COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-I EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON REMARKS- PAX ACCIDENTALLY TURNED IGN OFF WITH FOOT, ALSO							LS	DRG EMERG LDG	

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR	IES S M	/N		PILOT DATA			
	6/6/76 TIME - 0 DEPARTUR DALLAS	DALLAS CENTER, IA 700 E POINT CENTER, IA	HILLER ACFT UH-12D	CR-	0	0	0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 29, 233A TOTAL HOURS, 21 IN TYPE, NOT INSTRUMENT RATED.			
		ACCINENT ED WITH WIRES/POLES	S		۲		-	IF OPERATION IGHT PULLUP FROM SWAT	H RUN			
		PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS										
	KIND O PILOT' GOGGLE COCKPI TANK/H ELEVAT PROCED	HOURS IN CROP CONTRI F CROP - OTHER S SEAT BELT - FASTEI S - USED T CRASHPAD - INSTALI	NED-PROPERLY LED T OF PILOT TED-FEET - 1015			GL CR CR	PE OVE ASH ASH RRA	OF OPERATION - SPRAYIN OF CHEMICAL USED - LIO S - USED I HELMET - AVAILABLE US I BAR - INSTALLED IN-TYPE - ROLLING I RUN-HOW FLOWN - WIND	DUIQ CHEMICAL-TOXIC			
3-2247	TIME - 1	600	BELL 47J-2A NB523F DAMAGE-SUBSTANTIAL INTENDED DESTINATION		0	0	0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 26, 1347 TOTAL HOURS, 60 IN TYPE, NOT INSTRUMENT RATED.			
		,IA ACCIDENT EN WITH WIRES/POLES	LUCAL ,	PHASE OF OPERATION IN FLIGHT HOVERING								
	PILOT	CAUSE(S). IN COMMAND - FAILED HIT A TELEPHONE CAI	TO SEE AND AVOID ORJEC SLE.	CTS OR	0B	STR	UC 1	IONS				

			AIRCRAFT DATA	TNJU	RIE:	5 1/N	FL IGHT PURPOSE		PILOT DATA		
	7/23/76 TIME - 20 DEPARTURE LEGRAND TYPE OF	CLUTIER,IA DOO E POINT D,IA ACCIDENT FAILURE OR MALFUNG	INTENDED DESTINATION LOCAL	CR- 0 0 1 COMMERCIAL COMMERCIAL, AGE 26, 332 PX- 0 0 0 AERIAL APPLICATION TOTAL HOURS, 77 IN TYPE NOT INSTRUMENT RATED.							
	PERSONI INSTRUI MISCELI FACTORIS MISCELI	MENTS/EQUIPMENT AND LANEGUS ACTS.CONDI ) LANEGUS ACTS.CONDI	D ACCESSORIES - MISCELL Flons - improper Alignm Flons - load not jettis	ISONED							
	SPECIAL DATA  TOTAL HOURS IN CROP CONTROL - 24  KIND DF CROP - CORN  PILOT'S SEAT BELT - FASTENED-PROPERLY  GOGGLES - NOT USED  COCKPIT CRASHPAD - NOT INSTALLED  TANK/HOPPER-LOCATION - SIDES  ELEVATION-AREA BEING TREATED-FEET - 974  REMARKS- MOTORIZED IDLER & LIQUID PUMP PULLEYS WERE 3/4IN OUT OF ALIGNMENT, PLT UN MAINTAIN ROTOR RPM.										
3-3016		OSKALOOSA, I A 545	BELL 47G-2 N12412 Damage-Substantial	PX- C	) O	1 0	COMMERCIAL ASSOC CROP CTL ACTIV	VITY	COMMERCIAL, FL.INSTR., AGE 37. 2291 TOTAL HOURS, 387 IN TYPE, NOT INSTRU- MENT RATED.		
	TYPE OF	ACCIDENT FAILURE OR MALFUN	INTENDED DESTINATION LOCAL CTION								
	POWERPI PILOT FACTORIS TERRAII PARTIAL I	IN COMMAND - MISJU ) N - HIGH VEGETATIO POWER LOSS - PARTI	JS POWERPLANT FAILURE DGED SPEED AND ALTITUDE N AL LOSS OF POWER - 1 EN FORCED LANDING OFF AIRP	GINE		1 I NI	ED REASONS				
	KIND OF PILOT'S GOGGLES TANK/HO ELEVAT	HOURS IN CROP CONTI F CROP - CORN S SEAT BELT - FASTI S - NOT USED DPPER-LOCATION - S ION-AREA BEING TRE	ENED-PROPERLY	Loss.	T G C	YPE LOVI RASI	OF OPERATION - FERRY OF CHEMICAL USED - L ES - NOT USED 1 HELMET - AVAILABLE NIN-TYPE - LEVEL,FLAT	10110	CHEMICAL-TOXIC		

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	. MIR	IFS	•	FI IGHT		PILOT DATA
3-0533	2/15/76	CHARLESTON, KS	BELL 47G N967B DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	CR-	0	0	l O	NONCOMMERCIAL PRACTICE		COMMERCIAL, AGE 42, 3232 TOTAL HOURS, 132 IN TYPE, NOT INSTRUMENT RATED,
	CHARLES	TONIKS	LUCAL		_					
	TYPE OF A HARD LA ROLL OV	INDING			P	LA	ND I	F OPERATION NG POWER-OFF A NG POWER-OFF A		
	PILOT I PILOT I FACTORISI MISCELL	N COMMAND - FAILED N COMMAND - MISJUE N COMMAND - IMPROP ) ANEOUS ACTS.CONDIT	O TO MAINTAIN ADEQUATE GED SPEED AND ALTITUDE PER OPERATION OF FLIGHT IONS — DOWNWIND TYPE LNDG PLT RPTD HE	CONTR	OLS		RA	N OUT OF UP COL	LLECTIVE CTL.	
3-0636	3/13/76 TIME - 09	DADGE CITY,KS 95'5	N5903X Damage=Surstantlai	CR- PX-	0	0	1	NONCOMMERCIAL BUSINESS		COMMERCIAL, AGE 22, 649 TOTAL HOURS, 56 IN TYPE, NOT INSTRUMENT RATED,
		E POINT ICK•OK	DODGE CITY-KS							
	TYPE OF A	CCIDENT			P	HAS	E O	F OPERATION		
	ROLL OV	FAILURE OR MALFUNI /ER	CT 10N					IGHT NORMAL CR NG POWER-OFF A		LANDING
	PILOT I MISCELE PILOT I PILOT I FACTORESI MISCELE COMPLETE EMERGENCY	IN COMMAND - INADE( IN COMMAND - MISMAN LANE(IUS ACTS,COND) IN COMMAND - SELECT IN COMMAND - FAILE( LANEOUS ACTS,COND) POWER LOSS - COMPI	FIONS - FUEL EXHAUSTION FED UNSUITABLE TERRAIN O TO MAINTAIN ADEQUATE FIONS - DOWNWIND LETE ENGINE FAILURE/FLA FORCED LANDING OFF AIRP	ROTOR	R.f	·.H.		NN I NG		

		LOCATION	AIRCRAFT DATA				. PILOT DATA
3-2145	5/10/76 Ț1ME - 193	ELKHART,KS D RPORT - ELKHART- POINT KS	HUGHES 369 N9153F . Damage-Substantial	CR- 0 PX- 0	0 1		COMMERCIAL, AGE 49, 10007 TOTAL HOURS, 57 IN TYPE, NOT INSTRUMENT RATED.
	BIND STR	IKE			IN FL	IGHT SWATH RUN	•
	PROBABLE C MISCELLA	AUSEIS) Neous - Bird Coli	LISION				
	KIND OF PILOT'S GOGGLES COCKPIT	TA URS IN CROP CC.4T CROP - OTHER SEAT BELT - FAST - NOT USED CRASHPAD - INSTA PER-LOĞATION - A	ENED-PROPERLY		TYPE GLOVE CRASH CRASH	OF OPERATION - OTHER OF CHEMICAL USED - LIG S - NOT USED HELMET - AVAILABLE US BAR - INSTALLEO IN-TYPE - ROLLING	OUID CHEMICAL-NONTOXIC
	ELEVATIO	N-AREA BEING TRE	ATED-FEET - 3620 BOOM BRACE AND IT HIT			RUN-HOW FLOWN - CROSS NG SAGEBRUSH.	2MI NI)
3-1060	ELEVATIO REMARKS- B	N-AREA BEING TRE IRD STRUCK SPRAY SUBLETTE, KS O	ATED-FEET - 3620 BOOM BRACE AND IT HIT BELL 470-1 N908B	[A]LBODM.S	PRAYI	NG SAGEBRUSH.	COMMERCIAL, AGE 24, 1775 TOTAL HOURS, 635 IN TYPE,
3-1060	ELEVATIO REMARKS- B 6/4/76 TIME - 173 DEPARTURE	N-AREA BEING TRE IRD STRUCK SPRAY  SUBLETTE, KS O POINT	ATED-FEET - 3620 BOOM BRACE AND IT HIT BELL 47D-1 N9ORB DAMAGE-SUBSTANTIAL INTENDED DESTINATION	[A]LBODM.S	PRAYI	NG SAGEBRUSH.	
3-1060	ELEVATION REMARKS - B	N-AREA BEING TRE IRD STRUCK SPRAY  SUBLETTE, KS O POINT	ATED-FEET - 3620 BOOM BRACE AND IT HIT BELL 47D-1 N9ORB DAMAGE-SUBSTANTIAL	CR- O PX- O	PRAYI O I O O	NG SAGEBRUSH.	COMMERCIAL, AGE 24, 1775 TOTAL HOURS, 635 IN TYPE,
3-1060	ELEVATIO REMARKS- B 6/4/76 TIME - 173 DEPARTURE SUBLETTE TYPE OF AC COLLIDED PROBABLE C	N-AREA BEING TRE IRD STRUCK SPRAY  SUBLETTE.KS 0 POINT KS CIDENT WITH CROP	ATED-FEET - 3620 BOOM BRACE AND IT HIT  BELL 470-1 N90RB DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- O PX- O	PRAYI O I O O	NG SAGEBRUSH.  COMMERCIAL AERIAL APPLICATION  F OPERATION	COMMERCIAL, AGE 24, 1775 TOTAL HOURS, 635 IN TYPE,

FILE	DATE	LOCATION	AIRCRAFT DATA	•		SIES		FLIGHT PURPOSE	PILOT DATA
3-1262	TIME - 18 DEPARTURE SCOTT C TYPE OF A	POINT ITY.KS CCIDENT FAILURE OR MALFU	RELL 47G5 N4095G DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- PX-	Ó	0 2 A H S	0 1 FL		COMMERCIAL, AGE 19, 401 TOTAL HOURS, 76 IN TYPE INSTRUMENT RATED.  IVE LANDING
	MISCELL PILOT I FACTORISI TERRAIN COMPLETE EMERGENCY	N COMMAND - MISM ANEOUS ACTS,COND N COMMAND - FAIL - ROUGH/UNEVEN POWER LOSS - COM	ANAGEMENT OF FUEL ITIONS - FUEL EXHAUSTION ED TO MAINTAIN ADEQUATE R PLETE ENGINE FAILURE/FLAM FORCED LANDING OFF AIRPO	EOUT-	1 E	NG I			

FILE	DATE	LOCATION		IN	JUR F	IES S M.	/N	FLIGHT Purpose		PILOT DATA					
	8/7/76	ALDEN,KS 035		CR- PX-				COMMERCIAL AERIAL APPLICATION		COMMERCIAL, FL.INSTR., AGE 26, 1525 TOTAL HOURS, 400 IN TYPE, NOT INSTRU-					
	ALDEN.I		INTENDED DESTINATION LOCAL  ER CONTROLLED	PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND											
	PILOT PILOT FACTOR(S WEATHER WEATHER	PROBABLE CAUSE(S)  PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE PILOT IN COMMAND - IMPROPER COMPENSATION FOR W FACTOR(S)  WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - UNKNOWN/NOT REPORTED MEATHER FORECAST - UNKNOWN/NDT REPORTED													
	SCATTE VISIBILI 5 OR O OBSTRUCT NONE WIND VEL	WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN						AT ACCIDENT SITE ITED TATION AT ACCIDENT SIT RECTION-DEGREES WEATHER CONDITIONS	ſΕ						
	TOTAL KIND OF PILOT* GOGGLE COCKPI TANK/H ELEVAT	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 312 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 - 1680 PROCEDURE TURNAROUND - FIRST 1/3 TURN					KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOHN - UPWIND								
3-3665	TIME - U	Oxford,kS NK/NR	AIR & SPACE 18A. N73546 DAMAGE-DESTROYED					NONCOMMERCIAL PLEASURE/PERSONAL TRA	INSP	PRIVATE, AGE 47, 4500 TOTAL HOURS, UNK/AR IN TYPE, NOT INSTRUMENT RAIED.					
	DEPARTUR BELLE TYPE OF COLLID	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE													
	PILOT MISCEL FACTOR(S TERRA) MISCEL	LANEOUS ACTS,CONDIT ) N - HIGH OBSTRUCTION	TIONS - AIRCRAFT CAME TO	FLYIN	6										

FILE			AIRCRAFT DATA		S	H/N	PURPOSE		PILOT DATA				
	2/20/76 TIME - 143	PIKEVILLE,KY	MINE-COPTER R100 N2137 DAMAGE-SUBSTANTIAL	CR-	0 0	1	NONCOMMERCIAL		COMMERCIAL, FL.INSTR., AGE 21, 3400 TOTAL HOURS, 10 IN TYPE, INSTRUMENT RATED.				
		NAME OF AIRPORT - PIKEVILLE: DEPARTURE POINT INTENDED DESTINATION											
	PIKEVILLE,KY LOCAL												
	TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING TRAFFIC PATTERN-CIRCLING												
			, jun										
	POWERPLA PILOT IN FACTORIS) PILOT IN TERRAIN COMPLETE PI EMERGENCY	HARD LANDING  PROBABLE CAUSE(S)  POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS  PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE  FACTORIS)  PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT  TERRAIN - ROUGH/UNEVEN  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEDUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  REMARKS- ENGINE MODEL MCCULLOCH 4318A.ROTOR BLADES STRUCK GND.											
3-2207	1/19/76 N TIME - 143	R.INTERCSTL CITY,I O	LA BELL 206B N143PA DAMAGE-DESTROYED				COMMERCIAL AIR TAXI-PASSG		COMMERCIAL, AGE 30, 3293 TOTAL HOURS, 1076 IN TYPE, NOT INSTRUMENT				
	DEPARTURE		RATED.										
	LAFAYETT		EUGENE ISLAND.LA						•				
	TYPE OF ACCIDENT  AIRFRAME FAILURE IN FLIGHT  AIRFRAME FAILURE IN FLIGHT  IN FLIGHT OTHER												
	PROBABLE CAUSE(S)  PILOT IN COMMAND — EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT  PILOT IN COMMAND — IMPROPER OPERATION OF FLIGHT CONTROLS  MISCELLANEOUS — EVASIVE MANEUVER TO AVOID COLLISION  MISCELLANEOUS ACTS, CONDITIONS — OVERLOAD FAILURE  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS — SEPARATION IN FLIGHT  REMARKS—FLT OVE WILDLIFE REFUGE												

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIE F S	S M/N	FLIGHT PURPOSE	PILOT DATA			
0-0171	2/16/76 TIME - 135	BATON ROUGE,LA O	AIR & SPACE 18A N6154S	CR- 0 0 PX- 0 0	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	PRIVATE, AGE 52. 300 P TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF AC	RPURT - RYAN POINT UGE•LA CIDENT FAILURE ON GROUN	INTENDED DESTINATION JACKSON, LA	PHASE OF OPERATION STATIC IDLING ROTORS						
	MISCELLA FACTOR(S) MISCELLA	FT - ROTOR ASSEMBL NEOUS ACTS,CONDITI NEOUS ACTS,CONDITI	IES MAIN ROTOR HEAD A ONS - FATIGUE FRACTURE ONS - VIBRATION.EXCESS & LINK FAILED. M/R BLA	IVE	SEP	ARAYED.				
-3102	4/17/76 N TIME - 141	R.LEEVILLE.LA 5	BELL 206B N14856 DAMAGE-DESTROYED	CR- 1 0 PX- 0 0	0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 32, 2379 TOTAL HOURS, 70 IN TYPE, NOT INSTRUMENT RATED.			
	DAMAGE-DESTROYED  NAME OF AIRPORT - BLOCK 23 NO 55  DEPARTURE POINT									
	MISCELLA MISCELLA PERSONNE FACTOR(S) MISCELLA	FT - ROTOR ASSEMBL NEOUS ACTS.CONDITI NEOUS ACTS.CONDITI L - PRODUCTION-DE! NEOUS ACTS.CONDITI	IES OTHER IONS - FATIGUE FRACTURI ONS - MATERIAL FAILURE IGN-PERSONNEL SUBSTAI IONS - AIRCRAFT CAME TO TORSION STRAP FAILED	E NDARD QUALI						
-1182	5/15/76 TIME - 190	0	ROBERTSON BBM N31170 Damage-substantial	CR- 0 0 PX- 0 0	1 0	HISCELLANEOUS TEST	PRIVATE, AGE 55, 612 TOTAL HOURS, 12 IN TYPE NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - DEGUINCY DEPARTURE POINT INTENDED DESTINATION DEGUINCY, LA LOCAL TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING TRAFFIC PATIERN-CIRCLING HARD LANDING LANDING LANDING									
	MISCELLA MISCELLA MISCELLA TERRAIN COMPLETE P EMERGENCY	NT - ENGINE STRUC NEOUS ACTS,CONDIT NEOUS - EVASIVE M - HIGH OBSTRUCTION OWER LOSS - COMPLI	IONS - MATERIAL FAILUR NEUVER TO AVOID COLLI STE ENGINE FAILURE/FLAI DRCED LANDING OFF AIRP	E SION MEOUT-1 ENC DRT ON LANG	1					

FILE			AIRCRAFT DATA	F	: 5	5 M	'N	PURPOSE	PILOT DATA	
	5/31/76 TIME - 174	BATON ROUGE, LA 3		CR-	٥	0	1		COMMERCIAL, AGE 31. 3646 TOTAL HOURS, 257 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE NEW ORLE TYPE OF AC ROLL OVE	ANS .LA CIDENT	INTENDED QESTINATION BATON ROUGE,LA		PF	PL	On	ROUTE STOP EMINE,LA F OPERATION GROUND TAXI FROM LANDING	i	
		COMMAND - EXERCI	SED POOR JUDGMENT ER COMPENSATION FOR WIN	ND CONE	) I T I	I ON:	 <b>S</b>			
		NEOUS ACTS.CONDIT IMPACT	INNS - DOWNWIND							
3-1467		0	N4713R DAMAGE-SUBSTANTIAL	PX-					COMMERCIAL, AGE 34, 980 TOTAL HOURS, 380 IN TYPE, NOT INSTRUMENT RATED.	
	UNKNOWN/N TYPE OF AC	OT REPORTED CIDENT AILURE OR MALFUNC				IN	FL	F OPERATION IGHT RETURN TO STRIP NG POWER-OFF AUTOROTATIV	E LANDINĠ	
	PILOT IN MISCELLA PILOT IN FACTOR(S)	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING  MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL  PILOT IN COMMAND - MISJUNGED SPEED AND ALTITUDE  FACTOR(S)								
	COMPLETE P		ETE ENGINE FAILURE/FLAI ORCED LANDING OFF AIRPO			1D	1E			

	DATE LOCATION		[NJURIES F S M/N	PURPOSE	PILOT DATA							
	6/13/76 NR.INTRACOASTAL TIME - 1630	LA BOLKOW BOLOSC N149BB DAMAGE-SUBSTANTIAL	CR- 1 0 0		COMMERCIAL, AGE 43, 4674 TOTAL HOURS, 203 IN TYPE, NOT INSTRUMENT RATED.							
	DEPARTURE POINT INTRACOASTAL.LA TYPE OF ACCIDENT PROPELLER/ROTOR FAILUR DITCHING	INTENDED DESTINATION GULF OF MEXICO E MAIN ROTOR	IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-ON LANDING								
	PROBABLE CAUSE(S)  ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR BLADES  PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN  MISCELLANEOUS ACTS, CONDITIONS - CORRODED/CORROSION  FACTOR(S)											
	MISCELLANEOUS ACTS.CON MISCELLANEOUS ACTS.CON EMERGENCY CIRCUMSTANCES	LED TO USE OR INCORRECTLY DITIONS - AIRCRAFT CAME TO DITIONS - SEPARATION IN F FORCED LANDING OFF AIRPO GHTS SEPARATED & HIT T/R	REST IN WATER LIGHT ORT ON WATER		HANGING OVER SEAT RACK							
3-1873	7/15/76 BERWICK.LA TIME - 1150	BELL 206B N8176J Damage-destroyed	CR- 0 0 1 PX- 0 1 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 28, 4312 TOTAL HOURS, 533 IN TYPE, NOT INSTRUMENT RAJED,							
	NAME OF AIRPORT - BERWICK  DEPARTURE POINT INTENDED DESTINATION  BERWICK.LA GULF OF MEXICO  TYPE OF ACCIDENT  ROLL OVER PHASE OF OPERATION  TAKEOFF VERTICAL											
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS UNMARKED OBSTRUCTIONS FIRE AFTER IMPACT											

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ	IJR :	S	i 1/N	FLIGHT PURPOSE	PILOT DATA	
3-3294	7/25/76 TIME - 0905 NAME OF AIR	ROCKPORT,LA PORT – ARANSAS COI	BOLKOW BO-105 N90656 DAMAGE-SUBSTANTIAL INTY	CR- PX-	0	0	1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 45, 6175 TOTAL HOURS, 194 IN TYPE NOT INSTRUMENT RATED,	
	DEPARTURE P	POINT	INTENDED DESTINATION							
	TYPE OF ACC	INENT	ROCKPORTILA		D	HA	SE .	TE OPERATION	•	
	PROPELLER	ANOTOR FAILURE TA	AL ROTOR		•	Î	F	IGHT HOVER ING		
	HARD LAND	ING	<b>'i</b>			L	ND	DF OPERATION .IGHT HOVERING ING POWER-ON LANDING		
	PERSONNEL PERSONNEL ROTORCRAF MISCELLAN MISCELLAN EMERGENCY C	- MAINTENANCE, SEI - MAINTENANCE, SEI T - FLIGHT CONTROL LEGUIS ACTS, CONDITIU EGUIS ACTS, CONDITIU IRCUMSTANCES - FOI	RVICING, INSPECTION I RVICING, INSPECTION I - SYSTEMS TAIL ROTOR INS - IMPROPERLY SECU INS - MISSING RCED LANDING OFF AIRP	MPROPER NADEQUA PITCH IRED	TE CO	A 1 i	ITEI ISPI IOL	HANCE (MAINTENANCE PER ECTION OF AIRCRAFT (M.	RSONNEL) AINTENANCE PERSONNEL)	
							-1-			
1-3287	8/4/76 NR TIME - 1140	.INTRCOSTL CITY.LA	NUGHES 369 N9125F Damage-destroyed	CR- PX-	0	1	0	MISCELLANEOUS FERRY  OF OPERATION OFF INITIAL CLIMB ING LEVEL OFF/TOUCHDO	COMMERCIAL, AGE 27, 3588 Total Hours, 126 in Type Not instrument rated.	
	DEPARTURE P	OINT	INTENDED DESTINATION							
	TYPE OF ACC	IDENT	LUCAL		P	HA:	SE (	OF OPERATION		
	PROPELLER	ANTOR FAILURE TA	AL ROTOR			T	KE	OFF INITIAL CLIMB	nua.	
	COLL 12 10k	i Milu dendunyant	C COMINGEED			L	III	ING FEAST DELYINOCHDI		
	PROBABLE CAUSEIS) ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS.CONDITIONS - MATERIAL FAILURE									
	PILOT IN FACTORIS)	COMMAND - FAILED	IN FOLLOW APPROVED PR	OCEDURE	S,	DII	LEC	TI VESTETC.		
	MISCELLAN		INS - AIRCRAFT CAME T					l		
			RCED LANDING OFF AIRP INFLATED.TAIL ROTOR D					.ED.CAUSE UNKNOWN.FRAG	CTURES OBLITERATED.	
3-3870	12/11/76 NR	.MORGAN CITY.LA :	BELL 2068	CR-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 36, 7027 TOTAL HOURS, 2724 IN	
	TIME - 0856	•	N49669 Damage-Substantial	PX-	Q	0	2	AIR TAXI-PASSG	TOTAL HOURS, 2724 IN TYPE, INSTRUMENT RATED,	
	NAME OF AIR	PORT - SHIP SHOAL	168A							
	DEPARTURE P	UINT	INTENDED DESTINATION SHIP SHOAL 154							
	TYPE OF ACC	IDENT	July Super 134		P	HA:	E (	F OPERATION		
	PROPELLER	ZROTOR FAILURE M.	AIN ROTOR			S	TA T	IC IDLING ROTORS		
	PROBABLE CAUSE(S)  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)  ROTORCRAFT - ROTOR ASSEMBLIES MAIN ROTOR HEAD ASSEMBLIES  MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE  REMARKS- TENSION TORSION STRAP SEPARATED									

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPUSE	PILIT DATA								
	1/9/76 CALIFORNIA,MD TIME - 0850	SIKORSKY S-55	CR- 1 O 1 COMMERCIAL	COMMERCIAL, AGE 27, 3140 TOTAL HOURS, 100 IN TYPE, INSTRUMENT RATED.								
	DEPARTURE POINT	INTENDED DESTINATION										
	LEONARDTOWN.MD Type of accident	SOLOMONS.MD	PHASE OF OPERATION									
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT OTHER											
	PROBABLE CAUSE(S) PERSONNEL - PRODUCTION-DES ROTORCRAFT - FLIGHT CONTRI MISCELLANEOUS ACTS.CONDITI FACTOR(S)	L SYSTEMS CYCLIC PITC	CONTROL SYSTEM									
	MISCELLANEOUS ACTS, CONDITI											
	EMERGENCY CIRCUMSTANCES - FI	IKCED LANDING UFF AIRPU ISPECTED MECHANICAL DIS										
			5003 STEEL CYL SLEEVE AGAINST HPPER E	ND CAP.FURTNER OVHLO								
3-1268	5/31/76 GAITHERSBURGH,MD TIME - 1420	N9397F DAMAGE-SUBSTANTIAL	CR- 0 0 2 INSTRUCTIONAL PX- 0 0 0 DUAL	CUMMERCIAL, FL.INSTR., AGE 31, 1125 TOTAL HOURS, 130 IN TYPE, INSTRUMENT RATED.								
	NAME OF AIRPORT - MONTGOMER' DEPARTURE POINT	INTENDED DESTINATION										
	GAITHERSBURGH.MD Type OF ACCIDENT	LNCAL	PHASE OF OPERATION									
	ROLL OVER		IN FLIGHT HOVERING									
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPE	R OPERATION OF FLIGHT	CONTROLS									
3-0014	1/5/76 SAGINAW.MI		CR- 0 0 1 NONCOMMERCIAL	PRIVATE, AGE 31, 63 TOTAL								
	TIME - 1155	N9685F Damage-Substantial	PX- 0 0 1 PLEASURE/PERSONAL TRAN	INSTRUMENT RATED.								
		INTENDED DESTINATION										
	SAGINAH.MI Type of accident	LNCAL	PHASE OF OPERATION									
	COLLISION WITH GROUND/WATE	R CONTROLLED	IN FLIGHT HOVERING									
	PROBABLE CAUSE(S)											
	PILOT IN COMMAND - MISJUD	GED CLEARANCE										

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUA F	SES	/N	FLIGHT PURPOSE		PILOT DATA
3-0689	3/9/76 TIME - 111	ADRIAN, MI	RELL 47G-5	CR-	0 0	0	1 0	COMMERCIAL ASSOC CROP	CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 30, 3000 TOTAL HOURS, 1000 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE ADRIAN.M		NTENDED DESTINATION LOCAL							The state of the s
	TYPE OF ACC	CIDENT N WITH GROUND/WATER	UNCONTROLLED		P	AT	E O	F OPERATION FF ABORTED		
	PILOT IN PILOT IN	COMMAND - FAILED T COMMAND - IMPROPER COMMAND - INADEQUA	O MAINTAIN ADEQUATE ( OPERATION OF FLIGHT ITE PREFLIGHT PREPARA' NS - IMPROPERLY LOAD(	CONTR FION A	NES	OR	PLA		C.6.	
	KIND OF PILOT'S GOGGLES COCKPIT	URS IN CROP CONTROL CROP - GRAIN FIELDS SEAT BELT - UNKNOWN - NOT USED CRASHPAD → NOT INST PER-LOCATION - SLIN	I/NOT REPORTED  ALLED			TY GL CR CR	PE OVE ASH	OF CHEMICAL S - USED	VAILABLE USED Installed	G (DUST) Emical-nontoxic
	REMARKS- LOAD INCRSD FM 750 LB TO EST 830 LB.UN LIFT PLT DISCONNECTED, ACFT OSCILLATED, PICHED FWD HIT BUCKET									
3-0642	3/26/76 TIME - 114	WHITMORE LAKE,MI 5	RELL 47G-2 N2R73R DAMAGE-DESTROYED	CR- PX-	0	0	1 0	COMMERCIAL AERIAL APPL	LICATION	COMMERCIAL, AGE 20, 3110 TOTAL HOURS, 112 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	POINT I LAKE.MI CIDENT	NTENDED DESTINATION LOCAL					F OPERATION	)	
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT PROCEDURE TURNAROUND  PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS									
	SPECIAL DA TOTAL HO KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO		- 30 D-PROPERLY ALLED IARD OF PILOT D-FEET - 700			K I T Y GL CR CR	PE DVE ASH ASH RRA	OF CHEMICAL S - USED HELMET - AN BAR - NOT I IN-TYPE - RC	VAILABLE USED Installed	; (LIQUID) CHEMICAL-NONTOXIC

FILE	DATE	LOCATION	AIRCRAFT DATA		INJI F	IR 1E S	S M/N	FLIGHT PURPOSE		PILOT DATA
	3/28/76	RICHMOND + MI	HUGHES 269A N8880F DAMAGE-DESTROYED						TRANSP	PRIVATE, AGE 3A, 110 TOTAL HOURS, ALL IN TYPE NOT INSTRUMENT RATED.
	NAME OF AIRPORT — I DEPARTURE POINT RICHMOND, MI TYPE OF ACCIDENT FIRE OR EXPLOSIO	DINT MI IDENT	AR INTENDED DESTINATION LOCAL					OF OPERATION IC ENGINE RUNUP		
	MISCELLAN	T - FUEL SYSTEM	IONS - MATERIAL FAILUR	•				•		
3-1270	-1270 5/3/76 PORTAGI TIME - 2230		BELL 47G N7763 DAMAGE-SUBSTANTIAL		- - - (	0 0	) 1	COMMERCIAL ASSOC CROP CTL AC	TIVITY	COMMERCIAL, FL.INSTR., AGE 32, 7700 TOTAL HOURS. 6500 IN TYPF, INSTRUMENT RATED.
	DEPARTURE POINT INTENDED DESTINATION  KALAMAZOO.MI SPARTA.MI  TYPE OF ACCIDENT PHASE OF OPERATION  ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE  COLLIDED WITH TREES LANDING POWER-OFF AUTOROTATI									
	TERRAIN - COMPLETE PO EMERGENCY C	T - MISCELLANEOU HIGH OBSTRUCTIO WER LOSS - COMPL IRCUMSTANCES - F	S POWERPLANT FAILURE INS NS ETE ENGINE FAILURE/FLAI ORCED LANDING OFF AIRPI D FROST CONTROL.	4EOU	r-1	ENG	INE			
3-1976	6/2/76 TIME:- 0930	MENUM I NEE • M I	ENSTROM F-28A' N9552 DAMAGE-SUBSTANT[AL	PΛ	- ( - (	D (	) 2	CHECK		COMMERCIAL, AGE 37, 1587 TOTAL HOURS, 1422 IN TYPE, NOT INSTRUMENT
	NAME OF AIR DEPARTURE P MENOMINEE TYPE OF ACC			РНА	SE	OF OPERATION		RAIED.		
	HARD LAND	USE(S)						LIGHT OTHER ING POWER-OFF AUTO	ROTATIVE	LANDING
	PILOT IN	COMMAND - IMPROP	IONS - SIMULATED CONDI' ER LEVEL OFF •HEEL OF SKIDS CTCTD GI			T WI	TH	COPTER IN SLT NOSE I	HI, TAIL	LOW ATTITUDE.

FILE	DATE	LOCATION	AIRCRAFT DATA	1 N	JUF E	S P	/N	FLIGHT PURPOSE	PILOT DATA
-2131	6/16/76 TIME - 1119 DEPARTURE (	BLISSFIELD,MI 5 POINT TH	EL TOMCAT MK-5A N9043T DAMAGE-DESTROYED INTENDED DESTINATION BLISSELELD-MI	CR- PX-	0	0	1	COMMERCIAL ASSOC CROP CTL ACTIV	COMMERCIAL, AGE 53, 10' VITY TOTAL HOURS, BOO IN TY INSTRUMENT RATED.
	TYPE OF ACC PROPELLER COLLISION	CIDENT R/ROTOR FAILURE N WITH GROUND/WA	MAIN ROTOR TER UNCONTROLLED		•	PHAS NI NI	E (	DF OPERATION LIGHT EN ROUTE TO TRE LIGHT UNCONTROLLED DE	EAT CROP ESCENT
	HISCELLAN EMERGENCY (	TT - ROTOR ASSEMI NEOUS ACTS.CONDI CIRCUMSTANCES - I	BLIES MAIN ROTOR HEAD FIONS - DISCONNECTED FORCED LANDING OFF AIRPO L LINK STRAP SEPARATED	ORT ON	L	MD	.EVI	ĒR.	
-3661	TIME - 1100	)	N9213F DAMAGE-SUBSTANTIAL	PX-	0 0	0	1	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 26, 33 TOTAL HOURS, 1700 IN TYPE, INSTRUMENT RATED
			INTENDED DESTINATION						
	LANSING. TYPE OF ACC ENGINE FA		PICKNEY.MI Ction					OF OPERATION LIGHT NORMAL CRUISE	
	HARD LAND	O I NG				LA	ND I	ING POWER-OFF AUTOROT	TATIVE LANDING
	PERSONNEI MISCELLAI MISCELLAI TERRAIN COMPLETE PE EMERGENCY (	COMMAND - INADE L - MAINTENANCE: NEOUS ACTS.CONDI NEOUS ACTS.CONDI - ROUGH/UNEVEN DWER LOSS - COMPI CIRCUMSTANCES -	DUATE PREFLIGHT PREPARA SERVICING, INSPECTION II TIONS - WATER IN FUEL TIONS - FUEL CONTAMINAT LETE ENGINE FAILURE/FLAI FORCED LANDING OFF. AIRP IMP CONTIMINATED WITH W	NADEQU ION-EX MEOUT- ORT ON	ATÉ CL! 1 E	ISIV ENGI AND	E C	TENANCE AND INSPECTION OF WATER IN FUEL	N CHED FWD ON ROUGH TRRN•
-3467	TIME - 161		SCORPION 2 N63301 DAMAGE-SUBSTANTIAL		1	0	0	NONCOMMERCIAL PRACTICE	PRIVATE, AGE 45, 290 Total Hours, 30 in Typ Not instrument raten.
	DEPARTURE   PELKIE,MI	I	INTENDED DESTINATION LOCAL						
	TYPE OF ACC PROPELLER COLLISION	R/ROTOR FAILURE	TAIL ROTOR TER UNCONTROLLED			11	FL	DF OPERATION LIGHT OTHER LIGHT UNCONTROLLED DE	ESCENT
	MISCELLA PILOT IN PILOT IN	FT - TRANSMISSION NEOUS ACTS.CONDI COMMAND - IMPRO COMMAND - ATTEM	N ROTOR DRIVE SYSTEM T TIONS - IMPROPER ALIGNM PER OPERATION OF FLIGHT PTED OPERATION BEYOND E	ENT/AD CONTR XPERIE	JU: NCI	STMI S E/AE	NT STL	ITY LEVEL	

ARKS- T/R SHAFT SHOWED TRREGULAR MARKS AS WOULD BE MADE BY LOOSE BELT. MOST FLIGHT EXPERIENCE HOVERING.

PAGE 122

REMARKS- T/R CTL CABLE BROKEN.45 OF 49 CABLE WIRES WORN TO NEEDLE POINT.FIRST SOLO HELICUPTER FLIGHT.

	DATE	LOCATION	AIRCRAFT DATA	ĮN.	JUR	IES		FLIGHT PURPOSE	PILOT DATA
	8/7/76 ST Time - 1805	LOUIS.MO	BELL 47J N5154B DAMAGE-SUBSTANTIAL	CR- PX-	0	0	! 3	COMMERCIAL OTHER	COMMERCIAL, AGE 28, 7050 TOTAL HOURS, 1605 IN TYPE, INSTRUMENT RATED.
		RT - DOWNTOWN H	ELIPÓRT					•	
	ST LOUIS, MO	NI .	INTENDED DESTINATION LOCAL						
	TYPE OF ACCIDE	FNT			P	HAS	E 0	F OPERATION	
	COLLISION W	ITH GROUND/WATE	AIL ROTOR R UNCONTROLLED			LA	NDI	NG LEVEL OFF/TOUCHDO	WN
		- TRANSMISSION	ROTOR DRIVE SYSTEM TA		TOR	DR	I VE	SHAFT ASSEMBLY	
	FACTOR(S)	ue acre couplri	0.00		• • •		***		
			ONS - AIRCRAFT CAME TO RCED LANDING OFF AIRPO						
			IGHT-SEEING FLT.FLOAT					R DRIVE SHAFT FAILED	AFT OF SPLINED END.
3-3023									
3-3023	TIME - 1040		N1192W Damage-Substantial						COMMERCIAL, AGE 27, 1937 TOTAL HOURS, 1450 IN TYPE, INSTRUMENT RATED.
3-3023	TIME - 1040 NAME OF AIRPUR	RT - OZARK HELI	N1192H DAMAGE-SUBSTANTIAL PORT						TOTAL HOURS, 1450 IN
3-3023	TIME - 1040  NAME OF AIRPUR  DEPARTURE POI	RT - OZARK HELI Nt	N1192W DAMAGE-SUBSTANTIAL PORT INTENDED DESTINATION						TOTAL HOURS, 1450 IN
3-3023	TIME - 1040 NAME OF AIRPUR	RT - OZARK HELI Nt	N1192H DAMAGE-SUBSTANTIAL PORT		5	2	0		
3-3023	TIME - 1040  NAME OF AIRPUR  DEPARTURE POIL  BRANSON, MO  TYPE OF ACCIDE	RT - OZARK HELI Nt Ent Otor failure t	N1192W DAMAGE-SUBSTANTIAL PORT INTENDED DESTINATION LOCAL	PX-	5	2 Has La	0 E 0 ND1	OTHER	TOTAL HOURS, 1450 IN TYPE, INSTRUMENT RATED.
3-3023	TIME - 1040  NAME OF AIRPUR DEPARTURE POIL BRANSON, MO TYPE OF ACCIDIC PROPELLER/RE COLLIDED MIT  PROBABLE CAUS PILOT IN COP PERSONNEL - ROTORCRAFT - MISCELLANEO	RT - OZARK MELI NT ENT OTOR FAILURE T TH TREES F(S) MMAND - INADEGU MAINTENANCE,SE - TRANSMISSION	N1192W DAMAGE-SUBSTANTIAL PORT INTENDED DESTINATION LOCAL	PX-	2 P ND/I RLY	HAS LA LA OR	E O NO I NO I PLA RVI	OTHER  F OPERATION  NG TRAFFIC PATTERN-C  NG POWER-OFF AUTORDI  NNING  CED AIRCRAFT (GROUND	TOTAL HOURS, 1450 IN TYPE, INSTRUMENT RATED. IRCLING ATIVE LANDING
3-3023	TIME - 1040  NAME OF AIRPUR DEPARTURE POII BRANSON, MO TYPE OF ACCIDI PROPELLER/RE COLLIDED WIT  PROBABLE CAUSE PILOT IN COP PERSONNEL - ROTGRCRAFT - MISCELLANEOU FACTOR(S)	RT - OZARK HELI NT ENT DTOR FAILURE T TH TREES FIS) MAND - INADEQU MAINTENANCE, SE - TRANSMISSION US ACTS, CONDITI	N1192W DAMAGE-SURSTANTIAL PORT INTENDED DESTINATION LOCAL ALL ROTOR  ATE PREFLIGHT PREPARAT RVICING, INSPECTION IN	PX- ION AI PROPE IL RO	P ND/ RLY TOR	HAS LA LA OR SE GE	E O NOI NOI PLA RVI AR	OTHER  F OPERATION  NG TRAFFIC PATTERN-C  NG POWER-OFF AUTOROJ  NNING  CED AIRCRAFT (GROUND  BOX	TOTAL HOURS, 1450 IN TYPE, INSTRUMENT RATED. IRCLING ATIVE LANDING

FILE	DATE	LOCATION	AIRCRAFT DATA	10	JUR F	IES S M/	N	FLIGHT PURPOSE	PILOT DATA
	9/22/76 TIME - 09! DEPARTURE KING CI TYPE OF AG	KING CITY,MO 50 POINT TY,MO CCIDENT ER/ROTOR FAILURE	LUCAL	CR- PX-	0 0	O O HASE IN	1 0 0 FLI	COMMERCIAL AERIAL APPLICATION  OPERATION GHT PULLUP FROM SW. G ROLL-ON/RUN-ON	COMMERCIAL, AGE 29, 2352 10 FAL HOURS, 159 IN TYPE NOT INSTRUMENT RATED.
	MISCELL: Terrain	AFT - ROTOR ASSEMB ANEOUS ACTS, CONDIT - ROUGH/UNEVEN	LIES REARINGS IONS — MATERIAL FAILURI ORCED LANDING OFF AIRPO		N LA	ND			
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO	ATA OURS IN CROP CONTR CROP - CORN SEAT BELT - FASTE - NOT USED CRASHPAD - NOT IN PPER-LOCATION - SI ON-AREA BEING TREA	NED-PROPERLY STALLED DES			GLO CRA CRA TER	E O VES SH SH RAI	F OPERATION - SPRAY F CHEMICAL USED - L - NOT USED HELMET - AVAILABLE-I BAR - NOT INSTALLED N-TYPE - ROLLING RUN-HOW FLOWN - UPW	IOUID CHEMICAL-NONTQXIC
3-3275	10/31/76 TIME - 18	QUAKE LAKE.MT 10	BELL 47J-2 N28358 Damage-Substantlal		0	0	1 0	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, FL.INSTR., AGE 41. 3945 TOTAL HOURS. 258 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE ENNIS.M TYPE OF A COLLIDE		INTENDED DESTINATION CARIN CREEK,MT					OPERATION F INITIAL CLIMB	
	PILOT I FACTORIS) TERRAIN	N COMMAND - INADEO N COMMAND - FAILED - HIGH OBSTRUCTIO	UATE PREFLIGHT PREPARA TO SEE AND AVOID OBJE NS D WIRES.NIGHT TKOF.						
3-0816	TIME - 11	GENEVA•NE 15	BELL 47G-5 N2249H Damage-Siibstantial	CR- PX-	0	0	1 1	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 30, 2063 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
	YORK, NE TYPE OF A ENGINE					IN	FL I	OPERATION GHT HOVERING G POWER-OFF AUTORO	TATIVE LANDING
	PARTIAL P	ANT - MISCELLANEOU OWER LOSS - PARTIA	S POWERPLANT FAILURE L LOSS OF POWER - 1 EN ORCED LANDING OFF AIRP	GINE			NED	REASONS	

FILE	DATE	LOCATION	AIRCRAFT DATA	I NJUF	231 4 2	/N	FLIGHT PURPOSE	PILOT DATA				
		ORTH PLATTE,NE	HILLER ACFT UH-12D	CR- O	0	1 2	COMMERCIAL MAPPING/PHOTO	COMMERCIAL, FL.INSTR., AGE 24, 2538 TOTAL HOURS, 59 IN TYPE, INSTRUMENT RATED.				
	DEPARTURE PO NORTH PLAT		INTENDED DESTINATION				•	RATED.				
	TYPE OF ACCI ENGINE FAIL GEAR COLLA	LURE OR MALFUNCT	TION ·		11	FL	F OPERATION IGHT LOW PASS NG POWER-OFF AUTORO	TATIVE LANDING				
	PILOT IN C PILOT IN C MISCELLANE	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS.CONDITIONS - FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL MISCELLANEOUS ACTS.CONDITIONS - FUEL STARVATION										
	EMERGENCY C1	ER LOSS - COMPLI RCHMSTANCES - FO	TTE ENGINE FAILURE/FLAM DRCED LANDING OFF AIRPO L SHOPPING CENTER.			NE						
3-0311	3/10/76 NR. TIME - 1208	LAS VEGAS.NV	S.N.I.A.S SA314G N62373 Damage-Substantial					COMMERCIAL, FL.INSTR AGE 28, 4058 TOTAL HOURS. O IN TYPE, NOT INSTRUMENT RATED.				
	NORTH LAS	VERA.NV	INTENDED DESTINATION LOCAL	ſ			F OPERATION NG POWER-ON LANDING					
	PROBABLE CAUSF(S)  DUAL STUDENT - SELECTED UNSUITABLE TERRAIN  DUAL STUDENT - MISJUDGED CLEARANCE  PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT  FACTOR(S)  TERRAIN - HIGH OBSTRUCTIONS  REMARKS- ROCK RIDGE. PILOT WAS LANDING IN AN AREA OF INSUFFICIENT MAIN ROTOR BLADE CLEARANCE.											

FILE	DATE	LOCATION	AIRCRAFT DATA	- 1		IES S M/N			PILOT DATA
	7/5/76 TIME - O' DEPARTURI CARSON I TYPE OF COLLID PROBABLE PILOT MISCEL FACTORIS	NR.CARSON CITY.NV 918  E POINT CITY.NV ACCIDENT ED WITH TREES  CAUSEIS) IN COMMAND - MISJUD LANEOUS ACTS.CONDIT	CR- PX-	1 2	O O 2 O	COMMERCIAL	CTL ACTIVITY	CUMMERCIAL, AGE 28, 2595 TUTAL HOURS, 216 IN TYPE. NOT INSTRUMENT RATED.	
	SKY COND CLEAR VISIBILI 5 OR O OBSTRUCT NONE WIND VEL CALM				PI Ti	UNL I REC IP NONE EMPER 75	G AT ACCIDEN MITED ITATION AT A ATURE-F F WEATHER CO	CCIDENT SITE	
3-0366	DEPARTUR	AIRPORT - NATIONAL E POINT	INTENDED DESTINATION.				COMMERCIAL AIR TAXI-P		ATP.FLIGHT INSTR AGF 29. 4600 TOTAL HOURS, 14 IN TYPE, INSTRUMENT RATED.
	LINDEN TYPE OF ROLL O	ACCIDENT	SAYREVILLE.NJ		PI		DE OPERATION ING POWER-O		
	PILOT PILOT FACTORIS MISCEL	IN COMMAND - EXERCI ) LANEOUS ACTS.CONDII			•		N.SETTLED TO	GND ON L WHEE	L.WIND 25K.

FILE	DATE	LOCATION	AIRCRAFT DATA	14	NJUI F	RIE:	S 4/N	FL1GHT PURPOSE	PILOT DATA
3-1993	4/17/76 TIME - 15 DEPARTURE	ARIGANTINE, NJ 15 POINT I	ENSTROM F-28A N426RO DAMAGE-SUBSTANTIAL VTENDED DESTINATION	CR- PX-	0	0	1	INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 37, 771 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
٠	TYPE OF A	CCIDENT FAILURE OR MALFUNCTIO	LUCAL		(	AHQ	SE I F	OF OPERATION LIGHT FLAREOUT FOR SWAT ING POWER-OFF AUTOROTAT	H RUN
	PILOT IN FACTOR(S) TERRAIN COMPLETE EMERGENCY	ANT - MISCELLANEOUS N COMMAND - FAILED TO	O MAINTAIN ADEQUATE I E ENGINE FAILURE/FLAI CED LANDING DEF AIRPI	ROTOR MEDUT ORT O	R.I -1 6	P.M ENG	•		
3-1392	6/8/76 Time - 08	NR.ISLAND BEACH,NJ 05	ENSTROM F-28A N9259 DAMAGF-SURSTANTIAL		0	0	1	COMMERCIAL OTHER	AIRLINE TRANSPORT, AGE 41, 13400 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
	MARLBOR TYPE OF A		LNCAL					OF OPERATION LIGHT HOVERING	RATED
	PILOT I FACTOR(S) MISCELL	N COMMAND - FAILED TO N COMMAND - IMPROPER ANEOUS ACTS, CONDITION	OPERATION OF FLIGHT	CONT O RES	ROL! 1 1/	S N H	4 1 E	R LUWED ROTOR & ENG RPM TO	DECAY.
3-3774	8/5/76 Time - 10	BARNEGAT LIGHT.NJ 25	ENSTROM F-28A N15SB DAMAGE-DESTROYED	PX-	0	0	l l	COMMERCIAL MAPPING/PHOIO	PRIVATE, AGE 34, 1977 10TAL HOURS, 320 IN TYPE NOT INSTRUMENT RATED.
	TETERBO TYPE OF A	POINT I RO,NJ CCIDENT FAILURE OR MALEUNCTI	NTENDED DESTINATION RETURN		(	CA PHA:	4LD 5F 4 F	NROUTE STOP WELL+NJ OF OPERATION LIGHT HOVERING ING LEVEL OFF/TOUCHDOWN	
	FACTOR(S) MISCELL COMPLETE EMERGENCY	ANT - MISCELLANFOUS	NS - AIRCRAFT CAME TO F ENGINE FAILURE/FLAI CED LANDING OFF AIRPO	N RES	T [P	N W	ATE INE	R	

-			AIRCRAFT DATA	INJURIES F S M/N	FLIGHT. PURPOSE	PILOT DATA
3-1604	3/18/76 N TIME - 111	R.GOBERNADOR.NM 5	BELL 206B N7849S Damage-Substantial	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 39, 3274 TOTAL HOURS, 1213 IN TYPE, INSTRUMENT RATED.
	GOBERNADO TYPE OF AC	R.NM CIDENT AILURE OR MALFUNC	INTENDED DESTINATION RETURN	PHASE OF LANDI	ROUTE STOP SITES F OPERATION NG FINAL APPROACH NG POWER-OFF AUTOROTA	ATIVE LANDING
	MISCELLA MISCELLA	NT - FUEL SYSTEM NEOUS ACTS,CONDIT NEOUS ACTS,CONDIT		ION		
	PARTIAL PO Emergency	CIRCUMSTANCES - F	NS L LOSS OF POWER - 1 ENG ORCED LANDING ON AIRPOR EL CONROL POWER TURBINE	T/SEAPLANE BASE		CLR TREES.BUSHES.
-2087	A/10/76 TIME - 061	MESQUITE.NM O	RFLL 47G3R1 N729AP DAMAGF-DESTROYED			COMMERCIAL, FL.INSTR ITY .AGE 31, 6556 TOTAL HOURS 4000 IN TYPE, NOT INSTRU
			DAMAGE-DESTRUTED			MENT RATED.
			INTENDED DESTINATION			
	MESQUITE TYPE OF AC	.NM CIDENT AILURE OR MALFUNC	INTENDED DESTINATION LOCAL	LANDI	F OPERATION NG LEVEL OFF/TOUCHDOW NG LEVEL OFF/TOUCHDOW	MENT RATED.
	MESQUITE TYPE OF AC ENGINE F NOSE OVE PROBABLE C POWERPLA FACTOR(S)	,NM CIDENT AILLIRE OR MALFUNC R/DOWN AUSE(S) NT - MISCELLANEOU	INTENDED DESTINATION LOCAL	LANDI LANDI	NG LEVEL OFF/TOUCHDON NG LEVEL OFF/TOUCHDON	MENT RATED.
	MESOUITE TYPE OF AC ENGINE F NOSE OVE PROBABLE C POWERPLA FACTOR(S) TERRAIN PARTIAL PO	.NM CIDENT AILURE OR MALFUNC R/DOWN AUSE(S) NT - MISCELLANEOU - OTHER WER LOSS - PARTIA	INTENDED DESTINATION LOCAL	LANDII LANDII OR UNDE TERMINEI	NG LEVEL OFF/TOUCHDOWNG LEVEL OFF/TOUCHDOWNDOWND	MENT RATED.
	MESOUITE TYPE OF AC ENGINE F NOSE OVE PROBABLE C POWERPLA FACTOR(S) TERRAIN PARTIAL PO EMERGENCY SPECIAL DA	.NM CIDENT AILURE OR MALFUNC R/DOWN  AUSE(S) NT - MISCELLANEOU - OTHER WER LOSS - PARTIA CIRCUMSTANCES - F	INTENDED DESTINATION LOCAL  TION  S POWERPLANT FAILURE F  L LOSS OF POWER - 1 ENCORCED LANDING ON AIRPOR	LANDI LANDI OR UNDETERMINE SINE T/SEAPLANE BAS	NG LEVEL OFF/TOUCHDOWNG LEVEL OFF/TOUCHDOWNG LEVEL OFF/TOUCHDOWNDOWNG	MENT RATED.
	MESOUITE TYPE OF AC ENGINE F NOSE OVE PROBABLE C POMERPLA FACTOR(S) TERRAIN PARTIAL PO EMERGENCY SPECIAL DA TOTAL HO KIND OF PILOT'S	ONM CIDENT AILLIRE OR MALFUNC R/DOWN  AUSE(S) NT - MISCELLANEOU - OTHER WER LOSS - PARTIA CIRCUMSTANCES - F AURS IN CROP CONTR CROP - OTHER SEAT BELT - UNKNO	INTENDED. DESTINATION LOCAL  TION  S POWERPLANT FAILURE F L LOSS OF POWER - 1 ENG ORCED LANDING ON AIRPOR	LANDII LANDI OR UNDETERMINEI INF T/SEAPLANE BAS KIND TYPE GLOVE	NG LEVEL OFF/TOUCHOOM NG LEVEL OFF/TOUCHOOM D REASONS E/HELIPT. OF OPERATION - FERTILI OF CHEMICAL USED - LIG S - NOT USED	MENT RATED.
	MESOUITE TYPE OF AC ENGINE F NOSE OVE  PROBABLE C POMERPLA FACTORIS) TERRAIN PARTIAL PO EMERGENCY  SPECIAL DA KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP	,NM CIDENT AILLIRE OR MALFUNC R/DOWN  AUSE(S) NT - MISCELLANEOU - OTHER WER LOSS - PARTIA CIRCUMSTANCES - F TA HIRS IN CROP CONTR CROP - OTHER	INTENDED. DESTINATION LOCAL  TION  S POWERPLANT FAILURE F  L LOSS OF POWER - 1 ENC ORCED LANDING ON AIRPOR  OL - 4600 WN/NOT REPORTED DES	LANDII LANDII OR UNDETERMINEI SINE T/SEAPLANE BASI KIND TYPE ( GLOVE CRASH	NG LEVEL OFF/TOUCHDOWNG LEVEL OFF/TOUCHDOWNG LEVEL OFF/TOUCHDOWNG  E/HELIPT.  OF OPERATION - FERTILI OF CHEMICAL USED - LIG	MENT RATED.  IN I

FILE		AIRCRAFT DATA	•				FLIGHT PURPOSE	PILOT DATA					
3-2085	8/14/76 MILAGRO.NM TIME - 1315		CR-				NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 26, 102 TOTAL HOURS, 37 IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE PÜINT ALBUQUERQUE.NM	INTENDED DESTINATION											
		MONTOY A , NM		DI	UAC		E OBERATION						
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES PHASE OF OPERATION LANDING FINAL APPROACH												
	PROBABLE CAUSE(S)												
	PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS												
		TERRAIN - HIGH OBSTRUCTIONS											
	REMARKS- PILOT ELECTED 1	IN MAKE A LANDING AT A SERV	ICE S	TAT	ION	BE	SIDE HIGHWAY.HIT POWERLIN	Ε.					
3-3132	10/17/76 AZTEC.NM Time - 1750	BELL 206B N9914K					NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 45, 4796 TOTAL HOURS, 2000 IN TYPE, NOT INSTRUMENT					
		DAMAGE-SUBSTANTIAL											
	NAME OF AIRPORT - AITEC							RATED.					
	NAME OF AIRPORT - AZTEC	MUNI						RATED.					
	DEPARTURE POINT	MUNI INTENDED DESTINATION						RATED.					
	DEPARTURE POINT AZTEC.NM	MUNI		Pi	HAS	: o	F OPERATION	RATED.					
	DEPARTURE POINT	MUNI INTENDED DESTINATION LOCAL		Pi	_		F OPERATION IGHT LOW PASS	RATED.					
	DEPARTURE POINT AZTEC.NM TYPE OF ACCIDENT COLLIDED WITH WIRES/F PROBABLE CAUSE(S) PILOT IN COMMAND - FAI	MUNI INTENDED DESTINATION LOCAL		n8	IN	FL	IGHT LOW PASS	RATED.					

FILE,		CATION	AIRCRAFT DATA	F	RIES S M/A	PURPOSE	PILOT DATA
		VILLE.NY	MCCIILINCH J-2 N4331G DAMAGE-SIIBSTANTIAL INTENDED NESTINATION LNCAL	CR- OPX- O	O 1 O C	NONCOMMERCIAL DEFINATION OF OPERATION OF LEVEL OFF/TOUCHOO	PRIVATE, AGE 30, 474 ANSP 10TAL HOURS, 15 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN COMMAN WEATHER - ICING MISCELLANEOUS A PILOT IN COMMAN FACTOR(S) TERRAIN - SNOW- WEATHER BRIEFING WEATHER FORECAST	D - INADEQU D - CONTINU CONDITIONS CTS.CONDITI D - MISJUNG COVERED - NO RECORD - UNKNOWN/N TANCES - PR	ATE PREFLIGHT PREPARATED VFR FLIGHT INTO ADV -INCLUDES SLEET-FREEZIONS - ICE-WINDSHIELD ED SPEED AND ALTITUDE OF BRIEFING RECFIVED OT REPORTED ECAUTIONARY LANDING OF EVERSE/UNFAVORABLE WEAT	ERSE WE NG RAIN F AIRPO	ATHER •ETC•		
	SKY CONDITION OVERCAST VISIBILITY AT ACC 2 MILES OR LESS OBSTRUCTIONS TO V NONE WIND VELOCITY-KNO 10 TYPE OF FLIGHT PL NONE	ISION AT AC	CIDENT SITE		2000 PRECTI FREI WIND 1	NG AT ACCIDENT SITE  PITATION AT ACCIDENT SI  ZING RAIN  DIRECTION-DEGREES  OF WEATHER CONDITIONS	T <b>E</b>
3-3187	2/12/76 NEW YO TIME - 1402	RK•NY	RELL 47J N73216 Damage-ofstroyfd			COMMERCIAL 2 AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 36, 5550 TOTAL HOURS 107 IN TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - DEPARTURE POINT NEW YORK,NY TYPE OF ACCIDENT COLLIDED WITH		INTENDED DESTINATION LOCAL			NF OPERATION I AERIAL TAXI TO TAKEO	
	FACTOR(S)	D - FAILED	TO SEE AND AVOID OBJEC IONS — AIRCRAFT CAME TO				

FILE	DATE	LOCATION	AIRCRAFT DATA	INJUF F	IES S M	/N	FLIGHT PURPOSE	PILOT DATA
	2/15/76 TIME - 153 NAME OF AID DEPARTURE E MORICH TYPE OF AC	E MORICHES.NY D RPORT - SPADARO POINT ES.NY	ENSTROM F-28A	CR- O PX- O	O O PHAS	1 1		COMMERCIAL, AGE 27, 1175 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
	PROBABLE C PILOT IN PILOT IN FACTOR(S) PILOT IN TERRAIN	COMMAND - FAILED COMMAND - IMPROP COMMAND - SELECT - WET.SOFT GROWN	TO MAINTAIN ADEQUATE FR OPERATION OF FLIGHT FD UNSUITABLE TERRAIN STUCK IN MUD.DRG ATMPT	CONTROLS	. M.		FF VERTICAL T TURNED,PLT INCRSD R	PM.ORIFTED HIT MOUND.
J-2495	6/24/76 TIME - 120 DEPARTURE		RELL 47G-2 N955 NAMAGE-SUBSTANTIAL INTENDED DESTINATION		0	1	COMMERCIAL ASSOC CROP CTL ACTIV	COMMERCIAL, AGE 32, 1659 ITY TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
	SPRINGWA TYPE OF AC	TER.NY CIDENT AILURE OR MALEUNC	WAYLAND.NY	Í	1 N	Fl.	F OPERATION IGHT RETURN TO STRIP NG POWER-OFF AUTOROT.	
	PILOT IN MISCELLA TERRAIN COMPLETE P	COMMAND - INADEC COMMAND - MISMAN NEOUS ACTS, CONDIT - ROUGH/UNEVEN OWER LOSS - COMPL	ULATE PREFLIGHT PREPARA AGEMENT OF FUEL TONS - FUEL EXHAUSTION ETE ENGINE FAILURE/FLA ORCED LANDING OFF AIRP	MEOUT-1	ENG I		NN I NG	·
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO	URS IN CROP CONTR CROP - POTATOES SEAT BELT - FASTE - NOT USED CRASHPAD - NOT IN PER-LOCATION - SI N-ARFA BEING TREA	ISTALLED		TY GL CR CR TE	PE OVE ASH ASH RRA ATH	OF OPERATION - DUSTIN OF CHEMICÁL USED - DR S - USED HELMET - AVAILABLE U BAR - NOT INSTALLED IN-TYPE - HILLY RUN-HOW FLOWN - CROS	Y CHEMICAL-NONTOXIC SED

FILE	DATE LOCATION		F S M/N		PILOT DATA
	7/31/76 WESTBURY,NY TIME - 1710	HUGHES 369 N609PD DAMAGE-SUBSTANTIAL	CR- 0 0 2	HISCELLANEOUS POLICE PATROL	COMMERCIAL, FL.INSTR., AGE UNK/NR, 3111 TOTAL HOURS, 167 IN TYPE, NOT
	DEPARTURE POINT HEMPSTEAD,NY TYPE OF ACCIDENT COLLIDED WITH WIRES/	INTENDED DESTINATION LOCAL POLES	_	OF OPERATION LIGHT POWER-ON DESCENT	INSTRUMENT RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - MIS FACTOR(S) TERRAIN - HIGH OBSTRUC WEATHER - OBSTRUCTION WEATHER BRIEFING - UNKNOWEATHER FORECAST - UNKNOWEATHER	TIONS TO VISION DWN/NOT REPORTED			
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT S 4 MILES OR LESS	±	UNLI	IG AT ACCIDENT SITE MITED LITATION AT ACCIDENT SITE	
	OBSTRUCTIONS TO VISION A HAZE WIND VELOCITY-KNOTS B TYPE OF FLIGHT PLAN	ACCIDENT SITE	270	DIRECTION-DEGREES OF WEATHER CONDITIONS	
	NONE REMARKS- DSCNDG TO RENDE	R ASSISTANCE TO AN INJURE	MOTORIST.		
3-2425	8/6/76 BRFWSTER.NY TIME - 1752	BELL 47D1 N7737 DAMAGE-DESTROYFO		NONCTIMMERCIAL PLEASURE/PERSONAL TRANS	PRIVATE, AGE 44, 750 SP TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT NEWBURGH,NY TYPE OF ACCIDENT COLLIDED WITH WIRES/I	INTENDED DESTINATION DANBURY.CT POLES		OF OPERATION LIGHT LOW PASS	UL150.
		ILED TO SEE AND AVOID OBJEC OW ALT OVR HIGHWAY EST AS			

FILE	DATE	LOCATION	AIRCRAFT DATA	11	IJUR F	TES S M	/N	FLIGHT PURPOSE	· PILOT DATA
	9/11/76	WARSAW, NY 40		CR- PX-					COMMERCIAL, AGE 37, 635 TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE	POINT	INTENDED DESTINATION						101 110 110 110 110 110 110 110 110 110
	SYRACUS								
	TYPE OF AI Engine I Hard Lai	FAILURE OR MALFUM	ICT 10N		P	LA	ND I	F OPERATION NG FINAL APPROACH NG LEVEL OFF/TOUCHDOW	N
	MISCELLA MISCELLA PILOT II FACTOR(S) WEATHER WEATHER BI WEATHER FI	N COMMAND - IMPROANEOUS ACTS.CONDIANEOUS ACTS.CONDIN COMMAND - HISJU - CONDITIONS COMPREEDING - UNKNOWN CIRCUMSTANCES -		ING EC	STEM	MEN IC	I-I ING ING	MPROPER OPERATION OF/O	R FAILED TO USE
	VISIBILITY AT ACCIDENT SITE							TATION AT ACCIDENT SIT	E
	5 OR OVER(UNLIMITED)					RA	-		
	ORSTRUCTIO					TURE-F			
	HAZE Type of W			5A VDF		FLIGHT PLAN			
	VFR	•		•	NO		, Eight , East		
	REMARKS-	REMARKS- ENGINE STOPPED DURING LANDING APPROACH.					υT	OFF TAIL BOOM WITH MAI	N ROTOR, AUCKLED SKIDS
3-3562	10/6/76 TIME - 06	UTICA•NY 15	BELL 47G-2 N73550 Damage-Surstantial	PX-	0	0	1 0	NONCOMMERCIAL BUSINESS	ATP.FLIGHT INSTR., AGE 38. 1885 TOTAL HOURS, 27 IN TYPE, NOT INSTRUMENT RATED.
		IRPORT - RIVERSIA							
	DEPARTURE	DEPARTURE POINT INTENDED DESTINATION UTICA.NY LOCAL							
	TYPE OF A HARD LA GEAR CO	CCIDENT NDING	LIICAL		P	LA	I GN	F OPERATION NG LEVEL OFF/TOUCHDOW NG LEVEL OFF/TOUCHDOW	
	FACTOR(S)	INGED SPEED AND ALTITUDE ITIONS - OVERLOAD FAILURI CKLED.	E						

FILE	DATE	LOCATION	AIRCRAFT DATA	11	JUR F	TES S A	5 4/N	ELIGHT PURPOSE	PILOT DATA
3-3699	12/12/76 TIME - 163	ELLENVILLE,NY	BELL 47J-2A N3538S DAMAGE-SURSTANTIAL	CR- PX-	0	0 2	1	NONCOMMERCIAL PLEASURE/PERSONAL TRAN	PRIVATE, AGE 34, 103 SP TOTAL HOURS, 9 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE ELLENVIL	LF,NY	INTENDED DESTINATION LOCAL						
		ENGINE FAILURE OR MALFUNCTION COLLIDED WITH WIRES/POLES						F OPERATION IGHI NORMAL CRUISE NG POWER-OFF AUIOROTAT	IVE LANDING
			NATE PREFLIGHT PREPARAT	ION A	MDZ	'nR	PLAI	พทานต	
	PILOT IN FACTOR(S)	COMMAND - MISJUDG - HIGH OBSTRUCTION	SED CLEARANCE		•				
	COMPLETE P	OWER LOSS - COMPLE CIRCUMSTANCES - FO	TF ENGINE FAILURF/FLAM RCED LANDING OFF AIRPOI				INE		
	REMARKS- C	ARB HAD ICE IN FLO	DAT CHAMBER.FUEL LINES,	PUMP (	SCR	lE E M	I ANI	D PRIMER CONTAINED ICE.	
3-0341	2/8/76 TIME - 151		HUGHES 269A N8769F DAMAGE-DESTROYED					NUNCHMMERCIAL PLEASURE/PERSHNAL TRAN	COMMERCIAL, AGE 42, 4676 ISP 10TAL HUURS, 25 IN TYPF, INSTRUMENT RATED.
	DEPARTURE PINEHURS TYPE OF AC	T.NC CIDENT	PINES INTENDED DESTINATION LOCAL		F			F OPFR∆TION	
	ROLL OVE					T	AXI	GROUND TAXI TO TAKEOFF	
			TO MAINTAIN ADEQUATE R	NTOR	R.F	•.М.	•		
3-3488	10/12/76 TIME - 179	MORRISVILLE,NC	HILLER UH-12D N67089 Damage-Surstantial					NONCOMMERCIAL BUSINESS	STUDENT, AGE 29. 62 TOTAL HOURS, 30 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC				. (	- 18	N FL	F OPERATION IGHT NORMAL CRUISE IGHT AUTOROTATIVE DESC	ENT
	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR  PILOT IN COMMAND - MISMANAGEMENT OF FUEL  MISCELLANEOUS ACTS.CONDITIONS - FUEL EXHAUSTION  TERRAIN - HIGH OBSTRUCTIONS					NIN	G		
	COMPLETE F	POWER LOSS - COMPLI	F FAMILIARITY WITH AIRC ETE ENGINE FAILURE/FLAM FL TANK FILLER NECK BER	EOUT:					

FILE			-		F	5 1	1/N		PILOT DATA
	4/3/76 TIME - 134 DEPARTURE XENIA.OH TYPE OF AC	WEST CHARLESTN.OF O POINT	•	CR-	0	l l	0 0	NONCOMMERCIAL BUSINESS OF OPERATION LIGHT LOW PASS	COMMERCIAL, AGE 43, 2222 TOTAL HOURS, 443 IN TYPE, NUT INSTRUMENT RATED.
	PERSONNE MISCELLA	COMMAND - INADEQU L - MISCELLANEOUS- NEOUS ACTS.CONDITI	IATE SOPERVISION OF FL PERSONNEL PASSENGER ONS - INTERFERENCE WI ING PICTURES.HAD LEG I	TH FLI					
3-0711	5/4/76 TIME - 125	BUCYRUS, OH	RELL 47G2A1 N73952 DAMAGE-SUBSTANTIAL					INSTRUCTIONAL CHECK	COMMERCIAL, AGE 57, 8714 TOTAL HOURS, 38 IN TYPE, INSTRUMENT RATED.
	NAME OF AT DEPARTURE BUCYRUS, TYPE OF AC HARD LAN	OH CIDENT			P			IF OPERATION ING POWER-ON LANDING	INSTRUMENT NATION
	PILOT IN CHECK PI	COMMAND - IMPROPE COMMAND - MISJUNG LOT - INADEQUATE S	R OPERATION OF FLIGHT SED SPEED AND ALTITUDE SUPERVISION OF FLIGHT SRUPT FLARE AT LOW ALT		n L S	i			
3-2175	7/3/76 TIME - 191	LORE CITY+OH 5	HILLER UH-12E N67156 Damage-Substantial					COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 24, 943 TOTAL HOURS, 106 IN TYPE, INSTRUMENT RATED.
	DEPARTURE LORE CIT TYPE OF AC COLLIDED	Y+0H	INTENDED DESTINATION LOCAL		F			OF OPERATION .IGHT SWATH RUN	
	FACTOR(S)		TO SEE AND AVOID ORJECTS	CTS NR	O.P	s te	UC.	TIONS .	

FILE		ON AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA				
	8/9/76 ENON.OH TIME - 1618  DEPARTURE POINT MEDWAY.OH TYPE OF ACCIDENT PROPELLER/ROTOR FAIL COLLISION WITH GROUN PROBABLE CAUSE(S)	ENSTROM F-2AA NAABD DAMAGE-DESTROYED INTENDED DESTINATION UNKNOWN/NOT REPORTED UNE TAIL ROTOR ND/WATER UNCONTROLLED	CR- 1 0 0 NONCOMMERCIAL PX- 1 0 0 BUSINESS  LAST ENROUTE STOP UNKNOWN/NOT REPORTED PHASE OF OPERATION IN FLIGHT NORMAL CRUIS IN FLIGHT UNCONTROLLED	PRIVATE, AGE 41, 1000 101AL HUURS, ALL IN TYPE, NUT INSTRUMENT RATED.				
	ROTORCRAFT - ROTOR A MISCELLANEOUS ACTS.O PILOT IN COMMAND - F FACTOR(S) MISCELLANEOUS ACTS.O FIRE AFTER IMPACT	ION-DESIGN-PERSONNEL SUBSTAN ASSEMBLIES TAIL ROTOR BLADES CONDITIONS - FATIGUE FRACTURE FAILED TO FOLLOW APPROVED PRO CONDITIONS - SEPARATION IN FL MACHINED BELOW SPECS.TOOL MAR	CEDURES DIRECTIVES FIC.					
3-2907	8/17/76 MANTUA, NH TIME - 1000	EL TOMCAT MARK V NALAHJ Damage-Surstantial	CR- 0 0 1 COMMERCIAL PX- 0 0 0 AERIAL APPLICATIO	COMMERCIAL, FL.INSTR., ON AGE 29, 3724 TOTAL HOURS, 138 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE POINT MANTUA.OH TYPE OF ACCIDENT COLLISION WITH GROUN	INTENDED DESTINATION LOCAL NO/WATER CONTROLLED	PHASE OF OPERATION IN FLIGHT PROCEDURE TO					
	FACTOR(S)	41SJUNGEN SPEED AND ALTITUDE CONNITIONS - LOAD NOT JETTISO	NED					
	PROCEDURE TURNAROUNE	TDES FASTENED-PROPERLY NOT INSTALLED N - SIDES G TREATED-FEET - 1200	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 - UPWIND					

FILE	DATE LOCATION	AIRCRAFT DATA	INJURI F S	ES M/N	FLIGHT PURPOSE	PILOT DATA				
3-3357	9/22/76 LEIPSIC.OH TIME - 1500 DEPARTURE POINT	TRANSWORLD 47G-2 N2874F NAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 ( PX- 0	) l	COMMERCIAL AERIAL APPLICATION	PRIVATE, AGE 23, 88 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.				
	LEIPSIC.OH	LOCAL								
	TYPE OF ACCIDENT	ED UNCONTROLLED	PHASE OF OPERATION IN FLIGHT SWATH RUN							
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT SWATH RUN									
	PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMP PILOT IN COMMAND - IMPROP FACTOR(S) MISCELLANFOUS ACTS.CONDIT	ER OPERATION OF FLIGHT	CONTROLS	AB 1 L 1	TY LEVEL					
	SPECIAL DATA TOTAL HOURS IN CROP CONTR KIND OF CROP — REANS PILOT'S SEAT BELT — FASTF GOGGLES — USED COCKPIT CRASHPAD — NOT IN TANK/HOPPER-LOCATION — SI ELEVATION—AREA BEING TREA	NED-PROPERLY ISTALLED DES NEO-FEET - 765	KIND OF OPERATION - SPRAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL.FLAT SWATH RUN-HOW FLOWN - DOWNWIND							
	PROCEDURE TURNAROUND - TH REMARKS- PLT RPTD LOSS OF C		K.ACFT CON	TACTE	D THE GND AT ZERO A/S	GOING SIDEWAYS.				
3-3158	10/1/76 JOHNSTOWN.OH	8611 4701	CR- O	n 1	COMMERCIAL	COMMERCIAL, AGE 24, 1105				
			PX- O	Ó	AERIAL APPLICATION	CUMMERCIAL, AGE 24, 1105 TOTAL HOURS, 406 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE POINT JOHNSTOWN OH	INTENDED DESTINATION								
	JOHNSTOWN.OH TYPE OF ACCIDENT	LOCAL	PH.	ASE O	F OPERATION					
	ENGINE FAILURE OR MALFUNG	TION	IN FLIGHT SHATH RUN							
	HARD LANDING		1	LANDI	NG LEVEL OFF/TOUCHDO	MN				
	PROBABLE CAUSF(S)  POMERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  PHR PLT-PRIOR ENG OVERSPEED  PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE  COMPLETE POMER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									
	SPECIAL DATA TOTAL HOURS IN CROP CONTR KIND OF CROP - BEANS PILOT'S SFAT BELT - FASTE GOGGLES - USED COCKPIT CRASHPAD - NOT IN TANK/HOPPER-LOCATION - SI ELEVATION-AREA BEING TREA REMARKS- NR 1 & 2 CONROD SE	NED-PROPERLY ISTALLED DES NED-FEET - 1000		TYPE GLOVE Crash Crash Terra	S - USED HELMET - AVAILABLE U BAR - NOT INSTALLED IN-TYPE - LEVEL,FLAT	QUID CHEMICAL-NONTOXIC				

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	ELIGHT PURPOSE	PILO3 NATA					
3-3984	11/16/76 COLUMBUS.OH TIME - 1030	ENSTROM F-28A N282Q Damage-Substantial	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 52. 3540 TOTAL HOURS, 146 IN TYPE, INSTRUMENT RATED.					
	· · · · · · · · · · · · · · · · · · ·	NAME OF AIRPORT - PORT COLUMBUS INT								
	DEPARTURE POINT COLUMBUS.OH	INTENDED DESTINATION LOCAL								
	TYPE OF ACCIDENT	LIICAL	PHASE	OF OPERATION						
	ENGINE FAILURE OR MALF	UNCTION	TAKE	OFF INTITAL CLIMB						
	ROLL OVER	•	LAND	ING OTHER						
	PARTIAL POWER LOSS - PAR EMERGENCY CIRCUMSTANCES	ROPER OPERATION OF BRAKES TIAL LOSS OF POWFR - 1 ENG - FORCED LANDING ON AIRPOR & STUDENT EXITED ACFT. PLT	SINF IT/SEAPLANE BA	SE/HELIPT.	ACFI ROLLED OVER.					
3-4152	11/30/76 HARTFORD TWP. TIME - 1501	OH SIKORSKY SSAB Nas61 Damage-destroyed	CR- 0 1 0 PX- 0 2 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, AGE 28, 4429 INTAL HOURS, UNK/NR IN IYPE, INSTRUMENT RATED.					
	DEPARTURE POINT HAZELTON,PA			NROUTE STOP GSTOHN.OH	TITES INSTRUMENT WATER					
	TYPE OF ACCIDENT ENGINE FAILURE OR MALF HARD LANDING	UNCTION	IN F	DE OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROI	SATIVE LANDING					
	EMERGENCY CIRCUMSTANCES REMARKS- UNDER INVESTIGA	- FORCED LANDING OFF AIRPO	ORT ON LAND							

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE						
3-01AA	2/25/76 TIME - 103	BILLINGS •OK O POINT	BELL 47G-4 N1150W DAMAGE-DESTROYED INTENDED DESTINATION	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 850 TOTAL HOURS, 650 IN TYPE, NOT INSTRUMENT RATED.					
	AILLINGS	•OK	LOCAL								
	TYPE OF AC			PHASE OF OPERATION							
	COLLISIO	N WITH GROUND/WAT	FR CONTROLLED	]N FL	IGHT FLAREOUT FOR SW	ATH RUN					
	FACTOR(S)		GED SPEED AND ALTITUDE D CONDITIONS			•					
	SKY CONDIT	100			AT ACCIDENT SITE						
	CLEAR			· UNL [M		76					
		AT ACCIDENT SITE R(UNLIMITED)		PRECTPT NONE	TATION AT ACCIDENT SI	1E					
		NS TO VISION AT A	CCIDENT SITE		RECTION-DEGREES						
	NONE			360							
	MIND AFFUC	ITY-KNOTS		TYPE NF VER	WEATHER CONDITIONS						
	15 TYPE OF FL NONF	IGHT PLAN		VFR							
	KIND OF PILOT'S CRASH RA TERRAIN- SWATH RU	INS IN CROP CONTR CROP - GRAIN FIEL SEAT RELT - FASTE R - NOT INSTALLED TYPE - LEVEL,FLAT IN-HOW FLOWN - DOW	NS NFD-PROPERLY	TYPE COCKP TANK/	DE OPERATION - SPRAYI DE CHEMICAL USED - LI IT CRASHPAD - NOT INS HOPPER-LOCATION - SID TION-ÀREA BEING TREAT	QUID CHEMICAL-TOXIC TALLED ES					
3-1479	5/20/76 TIME - 161	OKLAHOMA CITY.OK 5	·RELL 47G N379B DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 37, 3011 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RAIED.					
	NAME OF AL	RPORT - WILL ROGE	RS			RATED.					
	DEPARTURE	POINT	INTENDED DESTINATION								
		CITY+OK	LNCAL								
	TYPE OF AC	CIDENT ALLURE OR MALEUNC	Llon		F OPFRATION FF VERTICAL						
	HARD LAN		1 I I I I		NG POWER-OFF AUTOROT	ATIVE LANDING					
	MISCELLA TERRAIN FACTOR(S)	NT - MISCELLANEOU NEOUS - EVASIVE N - HIGH DASTRUCTIO			D REASONS						
	PARTIAL PI EMERGENCY	WER LOSS - PARTLA CIRCUMSTANCES - F	TONS - PRESSURE, NONE L LOSS OF POWER - 1 EN ORCED LANDING OFF AIRP PRESS, HAD TO AVOID PW	ORT ON LAND	DUE IMPACT DAG TO FNC						

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	neite:						
FILE	DATE LOCATION	AIRCRAFT DATA		NJURIE F S	M/N	PURPOS	E	PILOT DATA
	6/2/76 NR.KINGSTON.OK TIME - 1840 DEPARTURE POINT ARDMORE.OK TYPE OF ACCIDENT ENGINE FAILURE OR MALFUN COLLISION WITH GROUND/WA PROBABLE CAUSE(S) POWERPLANT - MISCELLANE( FACTOR(S)	RELL 47G-4 N1157W DAMAGF-SUBSTANTIAL INTENDED DESTINATION RETURN NCTION ATER CONTROLLED DUS POWERPLANT FAILURE F	CR- PX- FOR L D RES	O C LAS PHA INDETER	O 2 O 0 GT EG ADD ISE ( IN F AND RMIN	COMMERCIA MAPPING/P NROUTE STOP LL,OK OF OPERATIO LIGHT NORM ING POWER- FD REASONS	L HOTO N	COMMERCIAL, AGE 25, 525 TOTAL HOURS, 11 IN TYPE, NOT INSTRUMENT RATED.  LANDING
3-1483	6/7/76 NR.VINITA.OK TIME - 1500 NAME OF AIRPORT - LEONS DEPARTURE POINT	HUGHES 369HS N500PA DAMAGE-SUBSTANTIAL INTENDED DESTINATION				NONCOMMER BUSINESS	CIAL	COMMERCIAL, FL.INSTR., AGE 34, 1178 TOTAL HOURS, 181 IN TYPE, NOT INSTRU- MENT RATED.
	TULSA-OK Type of accident Hard Landing	VINITA,NK			-	OF OPERATIO ING POWER-	N OFF AUTOROTATIVE	LANDING
	FACTOR(S)	JOGED DISTANCE AND SPEED ITIONS - SIMULATED CONDIT ATION.	r LONS	5				
3-2406	8/14/76 ELGIN.OK TIME - 1900	BELL 47G-2 N13299 DAMAGE-DESTRNYFD				MISCELLAN FERRY	ENUS	PRIVATE, AGE 32, 95 TOTAL HOURS, 54 IN TYPE, NOT INSTRUMENT RATEO.
	DEPARTURE POINT ELGIN.OK TYPE OF ACCIDENT COLLIDED WITH OBJECT	INTENDED DESTINATION LOCAL				OF OPERATIO AERIAL TA		
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUREMARKS- SKID CAUGHT HELIO							

FILE	DATE	LOCATION	AIRCRAFT DATA	11	JUA F	L I E S	S H/I	N	FLIGHT PURPOSE	PILOT DATA
		ATTANDOCA OF							MISCELLANEOUS DEMONSTRATION	COMMERCIAL, FL.INSTR., AGE 35, 1346 TOTAL HOURS, 12 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AIRPO DEPARTURE POI CHATTANOOGA TYPE OF ACCIO ROLL OVER	• NK	GA INTENDED DESTINATION LOCAL		í				F OPERATION AERIAL TAXI TO TAKEOFF	
	PILOT IN CO PILOT IN CO	OMMAND — FAILED OMMAND — LACK DI OMMAND — FAILED CUMSTANCES — FO	TO MAINTAIN ADEQUATE F F FAMILIARITY WITH AIRC TO FOLLOW APPROVED PRO BRCED LANGING ON AIRPOR IRECTIONAL CONTROL PROF	RAFT DCEDUR RT/SEA	ES.	01	IREC			
	FIRE AFTER IM REMARKS- LOW	PACT	HOVER-TAXI AT 10-15FT H		•					
3-3106	9/25/76 NR.\ TIME - 1212	INITA+OK	HUGHES 269C N7453F DAMAGE-DESTROYED						NONCOMMERCIAL BUSINESS	PRIVATE, AGE 26, 105 TOTAL HOURS, 39 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POI CHELSEA.OK TYPE OF ACCID COLLIDED WI	ENT	INTENDED DESTINATION LOCAL						- OPERATION IGHT UNCONTROLLED DESCEN	
	PROBABLE CAUS	SELS) DUS - UNDETERMI	NED							
3-2732	10/1/76 TI TIME - 2050		N2305	PX-					NONCOMMERCIAL PLEASURE/PERSONAL TRANSF	COMMERCIAL, AGE 28, 1571 TOTAL HOURS, 63 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POI	NT IK	DAMAGE-SUBSTANTIAL INTENDED DESTINATION TULSA+OK							NOT INSTRUMENT RATED.
	TYPE OF ACCIT ENGINE FAIL HARD LANDIN	URE OR MALFUNC	TION			ı	N F	LI	F OPERATION IGHI NORMAL CRUISE NG PUWER-OFF AUTOROTATIN	E LANDING
•	MISCELLANEC PILOT IN CC COMPLETE POWE	MMAND - INADEOI DUS ACTS.CONDIT DMMAND - MISJUD FR LOSS - COMPL	JATE PREFLIGHT PREPARAT IONS - FUFL FXHAUSTION SPEED AND ALTITUDE FTF ENGINF FAILURE/FLAY DRCED LANDING OFF AIRPO	4ENUT-	·1 E	N(	i Ni		NNING	

FILE	DATE LOCATION	ATRCRAFT DATA	INJURTES FLIGHT F S M/N PURPOSE	PILAT DATA
3-1200	2/21/76 NR.LAGRANDE.OR TIME - 1335 DEPARTURE POINT LAGRANDE.OR TYPE OF ACCIDENT ROLL OVER	BELL 206B N96117 DAMAGE-SUBSTANTIAL INTENDED DESTINATION ANTHONY LAKES, OR	CR- 0 0 1 COMMERCIAL PX- 0 0 0 CTR PASSG-D  PHASE OF OPERATION TAKEOFF VERTICAL	COMMERCIAL, AGE 25, 946 TOTAL HOURS, 149 IN TYPE, NOT INSTRUMENT RATED.
	FACTOR(S) TERRAIN - SNOW-COVERED WEATHER - HIGH DENSITY	ING RECEIVED-METHOD UNKNOW		
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SI 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT NONE WIND VELOCITY-KNOTS 10 TYPE OF FLIGHT PLAN NONE REMARKS- ATTMPTD TKOF FRE	ACCIDENT SITE	CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE . TEMPERATURE-F 35 TYPE OF WEATHER CONDITIONS VER	

FILE	DATE LOCAT	ION AIRCRAFT DATA	INJURIES F S M/N	FL IGHT PURPOSE	PILOT DATA
		OR HILLER ACFT UH-12E			
	CORVALLISTOR	INTENDED DESTINATION LOCAL			
	TYPE OF ACCIDENT PROPELLER/ROTOR FA	ILURF MAIN ROTOR	TAKE	DE OPERATION DEE VERTICAL ING LEVEL OFF/TOUCHDOWN	
	MISCELLANEUNS ACTS FACTOR(S) MISCELLANEONS ACTS TERRAIN — OTHER	MISSION ROTOR DRIVE SYSTEM C ,CONDITIONS - MATERIAL FAILUR ,CONDITIONS - JETTISONED LOAD CES - FORCED LANDING OFF AIRP	E ORT ON LAND		
		SUSPECTED MECHANICAL DI	SCREPANCY		
	KIND OF CROP - OTH PILOT'S SEAT BELT GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCAT FLEVATION-AREA BEI	- FASTENED-PROPERLY NOT INSTALLED	OF OPERATION - FERTILIZ OF CHEMICAL USED - DRY ES - NOT USED H HELMET - AVAILABLE USE H BAR - NOT INSTALLED AIN-TYPE - LEVEL,FLAT TO DISENGAGE.ACFT SETTLE	CHEMICAL-NONTOXIC	
3-2333	5/4/76 NR.ALSEA.OR TIME - 0605			MISCELLANEOUS FERRY	COMMERCIAL, FL.INSTR., AGE 29, 3R32 TOTAL HOURS
		NAMAGE-SUBSTANT LAL			113 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT CORVALLIS,OR	INTENDED DESTINATION ALSEA,OR			
	TYPE OF ACCIDENT COLLIDED WITH WIR			OF OPERATION LIGHT NORMAL CRUISE	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FACTOR(S) WEATHER - LOW CEIL TERRAIN - HIGH OBS		CTS OR NBSTRUC	TIONS	
	SKY CONDITION UNKNOWN/NOT REPORT	ED	CE IL INC 250	S AT ACCIDENT SITE	
	VISIBILITY AT ACCIDE 5 OR OVERHONLIMITE	NT SITE	PRECIP	ITATION AT ACCIDENT SITE	
	ORSTRUCTIONS TO VISI	ON AT ACCIDENT SITE		TURE-F	
	TYPE OF WEATHER COND UNKNOWN/NOT REPORT	ITIONS		FLIGHT PLAN	

FILE			AIRCRAFT DATA	F	S	M/N		PILOT DATA		
3-1890		TILLAMOOK •OR	HILLER ACFT UH-12E	CR-	0 1	0	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 26, 3454 TOTAL HOURS. 99 IN TYPE, NOT INSTRU- MENT RATED.		
	TILLAMONK.O	R DENT	INTENDED DESTINATION LOCAL ER UNCONTROLLED							
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION TERRAIN - HIGH OBSTRUCTIONS									
	GOGGLES CRASH BAR TERRAIN-TY SWATH RUN-	S NED-PROPERLY S D CALM	TALL TO	T G CI T E	YPE LOVE RASH ANK/ LEVA	S - NOT USED HELMET - AVAILABLE OF THE HOPPER-LOCATION - SITEM TO THE TREATMENT OF T	IOUID CHEMICAL-NONTOXIC USED DES			
3-1892	TIME - 1230  DEPARTURE PO  JOHN DAY, O  TYPE OF ACCI	R D <b>ent</b>	ENSTROM F-28A N530H DAMAGE-SUBSTANTIAL INTENDED DESTINATION RETURN ER UNCONTROLLED	PX-	O O LAS D AH9	I T EN EARD SE (	NONCOMMERCIAL BUSINESS  IROUTE STOP ORFF SUMMIT.OR OF OPERATION OFF VERTICAL	STUDENT, AGE UNK/NR, 7A TUTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.		
	PROBABLE CAU PILOT IN C PILOT IN C REMARKS- TKO	OTOR R	.P.M		FECT.					

FILE	_		AIRCRAFT DATA	F	•	СМ	/N	PHRPASE	PILOT DATA					
		LOSTINE OR	BELL 47G-4A	CR-	D	1	0	COMMERCIAL	COMMERCIAL, AGE 46, 5550 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.					
	LOSTINE		LUCAL											
	TYPE OF A	CCIDENT			PF			F OPERATION						
	COLLIDE	D WITH CROP				IN	FL	IGHT STARTING SWATH RU	N					
	PROBABLE ( PILOT 1) MISC-SET FACTOR(S) WEATHER MISCELLA MISCELLA WEATHER BI	CONTRO	LS											
	SKY CONDIT		CE	EIL	NG	AT ACCIDENT SITE								
	CLEAR					ITED								
		VISIBILITY AT ACCIDENT SITE  5 OR OVER(UNLIMITED)  DBSTRUCTIONS TO VISION AT ACCIDENT SITE					PRECIPITATION AT ACCIDENT SITE NONE							
							TEMPERATURE-F							
	NONE	M3 10 413104 A1	ACCIDENT SITE		72 ·									
		CTION-DEGREES						LOCITY-KNOTS						
	315					5								
	TYPE OF WI VFR	EATHER CONDITION	<b>S</b>		T	YPE NO	-	FLIGHT PLAN						
	SPECIAL D													
	-	OURS IN CROP CON						OF OPERATION - SPRAYING						
		CROP - GRAIN FI	ELOS NOWN/NOT REPORTED					OF CHEMICAL USED - LIQU S - NOT USED	ID CHEMICAL-NONTOXIC					
		SEAT BELT - UNK ELMFT - AVAILABL						S - NOT USED IT CRASHPAD - NOT INSTA	LLED					
		AR - NOT INSTALL						HOPPER-LOCATION - SIDES	= :					
		-TYPF - LEVEL FL						IION-AREA BEING TREATED						
		UN-HOW FLOWN - D												
	FIRE AFTE													
	REMARKS-	60GAL LOAD.DA 57	OOFT.13HRS PLT TIME IN L	AST 24.										

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURI F S	ES M/N	FL IGHT PUR POSE	PILOT DATA			
							COMMERCIAL, AGE 50, ROOO ISP TOTAL HOURS, 1100 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE WAMIC.O		INTENDED DESTINATION LOCAL				KA 1LI7			
	ENGINE	CCIDENT Failure or Malfunc D with trees	TION		IN FL	F OPERATION IGHT NORMAL CRUISE NG: POWER-OFF AUTOROTAI	IVE LANDING			
	MISCELL MISCELL PILOT I FACTOR(S) TERRAIN	ANT - FUEL SYSTEM ANEOUS ACTS.CONDIT ANEOUS ACTS.CONDIT N COMMAND - IMPROP	IONS - MATERIAL FAILURE IONS - RPM-UNCONTROLLAB ER IN-FLIGHT DECISIONS	LE-OVERSP						
		CIRCUMSTANCES - F	ORCED LANDING OFF AIRPO	RT ON LAN	D					
			RNOR DIAPHRAGM RUPTURED	. THROTTL	E IDL	E CUT-OFF. FIRE 5-6 HRS	AFTER ACCOT.			
3-0721	2/20/76 TIME - 16	PERKASIE,PA 15	SIKORSKY S-51 N92868 Damage-Substantial		0 l 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRAM	COMMERCIAL, FL.INSTR., NSP AGE 57, 3570 TOTAL HOURS I70 IN TYPE, NOT INSTRU- MENT RATED.			
	DEPARTURE PERKASI Type of A	E+PA	INTENDED DESTINATION SCRANTON, PA			OF OPERATION OFF VERTICAL				
	FACTOR(S)	N COMMAND - IMPROP	ER OPERATION OF FLIGHT		JNWA Y					
2 2010	540474	50005050000	5N5700N 5 00A			INC YOUR TIONAL	CTINCENT ACE 28 45 TOTA			
3-2010	5/8/76 TIME - 19	440	N2900 DAMAGE-SUBSTANTIAL	PX- O	0 0	TRAINING	STUDENT, AGE 28, 65 TOTA HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.			
		BURG.PA CCIDENT	INTENDED DESTINATION LOCAL	PH		DE OPERATION LIGHT HOVERING				
	FACTORIS	N COMMAND - IMPROP	ER OPERATION OF FLIGHT	CONTROLS						
			COPTER DRIFTING RIGHT.	HT. R SKID HIT SLOPING GROUND.						

FILE	DATE LOCA	ATION AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA						
	6/8/76 GREENRUR TIME - 1100 DEPARTURE POINT	N2255U DAMAGE-SUBSTANT Intended destinatio	CR- 0 0 1		PRIVATE, AGE 49, B50 TOTAL HOURS, 22A IN TYPE NOT INSTRUMENT RATED.						
	GREENBURG.PA	WEST MIFFLIN.PA	04465 0	C ODERATION							
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR HARD LANDING PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING POWER-OFF AUTOROTATIVE LANDING										
	MISCELLANEOUS ACT FACTORIS) MISCELLANEOUS ACT	ISMISSION ROTOR DRIVE SYSTEM IS.CONDITIONS - OVERLOAD FAI IS.CONDITIONS - SEPARATION II SHAFT SHEARED.BLADES SEPO.CA	LIIRE N FLIGHT								
3~3780	6/22/76 MASONTON TIME - 1825	N.PA RELL 204-R Ni 308X Damage-Substant	PX- 0 0 0		COMMERCIAL, AGE 31, 1850 ITY TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.						
	DEPARTURE POINT MASONTOWN, PA	INTENDED DESTINATI LOCAL	ON								
	TYPE OF ACCIDENT ENGINE FAILURE OR COLLIDED WITH TR		IN FL	F OPERATION IGHT EN ROUTE TO TREA NG POWER-OFF AUTOROTA							
	MISCELLANEOUS ACT TERRAIN - HIGH OB	BINE ASSEMBLY RLADE, TURBINE IS, CONDITIONS - MATERIAL FAI BSTRUCTIONS									
	MISCELLANERIIS ACT COMPLETE POWER LOSS	TENANCE-SERVICING.INSPECTION TS.CONDITIONS - LOAD NOT JET S - COMPLETE ENGINE FAILURE/	TISONED FLAMFOUT-1 ENGINE	ENANCE AND INSPECTION							
	EMERGENCY CIRCUMSTA	ANCES - FORCED LANDING OFF A	IRPORT ON LAND								
	KIND DF CROP - FO PILOT'S SEAT RELT	r - Fastened-Properly	TYPE GLOVE	S - NOT USED	OUID CHEMICAL-NONTOXIC						
	GOGGLES - NOT USE COCKPIT CRASHPAD TANK/HOPPER-LOCAT			BAR - NOT INSTALLED	2EN						

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR S	IES S M/	N	FLIGHT PURPOSE	PIL(1) DATA					
		COLLEGEVILLE.PA		CR- PX-				MISCELLANEOUS TEST	PRIVATE, AGE UNK/NR, 650 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE COLLEGEN TYPE OF AC	E OF AIRPORT - PERKIOMEN ARTURE POINT INTENDED DESTINATION OLLEGEVILLE,PA LOCAL E OF ACCIDENT IRFRAME FAILURE IN FLIGHT						PHASE OF OPERATION TAXI AERIAL TAXI, OTHER						
	MISCELLA	FT - ROTOR ASSEMB INEOUS ACTS.CONDIT INEOUS ACTS.CONDIT	LIES MAIN ROTOR HEAD A IONS - CORRODED/CORROS IONS - MATERIAL FAILURE N TEST FLT ALONG RWY.	ION	169	S								
	A/18/76 Time - 194	210N GROVE,PA 5	BELL 47D1 N919B Damage-Substantial	PX-	0 0	0	1	COMMERCIAL AERIAL APPLICATION	CUMMERCIAL, FL.INSTR., AGE 31, 3280 TOTAL HOURS 1715 IN TYPE, INSTRUMENT RATED.					
	DEPARTURE POINT INTENDED DESTINATION 21ON GROVE.PA LOCAL  TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH WIRES/POLES IN FLIGHT SWATH RUN													
	FACTOR(S) TERRAIN			CTS OR	OB:	STRI	JC T	IONS						
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP		STALLED DES	TED		GLO CRA CRA	PE BVE BSH BSH RRA	DF OPERATION - SPRAYI OF CHEMICAL USED - LI S - NOT USED HELMET - AVAILABLE U PAR - NOT INSTALLED IN-TYPE - LEVEL+FLAT RUN-HOM FLOWN - WIND	OUID CHEMICAL-TOXIC Sed					
3-410B		TELFORD,PA 10	BRANTLY 305 N220111 Damage-Substantial	PX-				NONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 29, 1147 TOTAL HOURS 23 IN TYPE, INSTRUMENT RATED.					
	DEPARTURE KING OF Type of A HARD LAN	PRUSSIA.PA CCIDENT	INTENDED DESTINATION PLEASANT VALLEY, PA	:	PI			F OPERATION IGHT AUTOROTATIVE DE						
	PILOT I	SS OF ROTOR RPM FO N COMMAND - MISJUD	R UNDETERMINED REASON GED DISTANCE AND ALTITU ORCED LANDING OFF AIRPO		LAI	ND								

	RRIEFS OF ACCIDENTS										
FILE	DATE		AIRCRAFT DATA	F	S M/N	PURPOSE	PILOT DATA				
3-0999	TIME - 1150  DEPARTURE PO  WARWICK RI  TYPE OF ACCI	EST GREENWICH.RI	BELL 47K N2886 DAMAGE-DESTROYED INTENDED DESTINATION WEST GREENWICH.RI	CR- 0 PX- 0	1 0 1 0	MISCELLANEOUS OTHER PUBLIC F OPERATION IGHT NORMAL CRUISE	COMMERCIAL, AGE 45, 2543 TOTAL HOURS, 700 IN TYPE INSTRUMENT RATED.				
	MISCELLANE FACTOR(S) MISCELLANE	- FLIGHT CONTRO OUS ACTS.CONDITI	UL SYSTEMS STABILIZIN ONS - FATIGUE FRACTUR ONS - SEPARATION IN F RT ELEVATOR TURULAR S	E L1GHT							
3-1683	7/12/76 F TIME - 1215	AIR PLAY.SC	HUGHES 269A N8718F Damage-Substantial	PX- O	0 l 0 0		COMMERCIAL, AGE 30, 4800 Y TOTAL HOURS, 3350 IN TYPE, NOT INSTRUMENT RATED.				
	DEPARTURE PO FAIR PLAY. TYPE OF ACCI	sc				OF OPERATION C OTHER					
	PROBABLE CAUSE(S) MISC-HOSE IGNITED DRG ROTOR ENGAGEMENT. INSTRUMENTS/EQUIPMENT AND ACCESSORIES - MISCELLANEOUS EQUIPMENT SPRAY.DUSTING EQUIPMENT										
	KIND OF CR GLOVESN CRASH HELM CRASH BAR FIRE AFTER I	S IN CROP CONTRO OP - MOSQUITO CO OT USED ET - AVAILABLE U - NOT INSTALLED MPACT	INTROL		TYPE GOGGI COCKP	OF OPERATION - SPRAYING OF CHEMICAL USED - LIOU ES - USED IT CRASHPAD - NOT INSTAI HOPPER-LOCATION - SIDES	ID CHÉMICAL-TOXIC LLED				

FILE	DATE LOG	CATION	AIRCRAFT DATA	INJURIES F S M/	FLIGHT 'N PURPOSE	PILOT DATA					
3-2713	7/15/76 ORANGE TIME - 1700	BURG.SC I DR MALFUNCTI	HUGHES 269B N9436F Damage-destroyed Ntended destination Local	CR- 0 0 PX- 0 0 PHASE IN	1 COMMERCIAL O AERIAL APPLICATION OF OPERATION FLIGHT STARTING SWATH	COMMERCIAL, AGE 35, 5025 TOTAL HOURS, 4900 IN TYPE, INSTRUMENT RATED.					
	MISCELLANEDUS A	CTS.CONDITIO CTS.CONDITIO	RE MASTER AND CONNEC NS - MATERIAL FAILURE NS - FIRE IN ENGINE E ENGINE FAILURE/FLAM	RE							
	SPECIAL DATA TOTAL HOURS IN KIND OF CROP — PILOT'S SEAT RE GOGGLES — USED COCKPIT CRASHPA TANK/HOPPER-LOC ELEVATION-AREA FIRE AFTER IMPACT REMARKS— PLT MADE	COTTON LT - UNKNOWN D - NOT INST ATION - SIDE BEING TREATE	/NOT REPORTED ALLED S D-FEET - 195	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							
3-3059	TIME - 1000		DAMACE CHRCTANTIAL	F ^- U U	1 COMMERCIAL O ASSOC CRUP CIL ACT	COMMERCIAL, AGE 31, 3500 IVITY TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT RATED.					
	RIDGE SPRING.SC TYPE OF ACCIDENT ENGINE FAILURE COLLISION WITH	OR MALFUNCTI		PHASE In Lan	E OF OPERATION FLIGHT EN ROUTE TO R WING POWER-OFF AUTORO	ELOADING AREA DTATIVE LANDING					
	MISCELLANEOUS A TERRAIN - ROUGH	GINE STRUCTU CTS.CONDITIO /UNEVEN	IRE MOUNT AND VIRRATINS - MATERIAL FAILURE								
	SPECIAL DATA TOTAL HOURS IN KIND OF CROP - PILOT'S SEAT BE GOGGLES - NOT U COCKPIT CRASHPA TANK/HOPPER-LOC REMARKS - FNG SPRA	COTTON LT - FASTENI SED D - NOT INST ATION - SIDE	ED-PROPERLY Fallen S	TYF GL( CR/ CR/	ND OF OPERATION - SPRA PE OF CHEMICAL USED - DVES - NOT USED ASH HELMET - AVAILABLE ASH BAR - NOT INSTALLE VIBRATIONS. CRASH LND	LIQUID CHEMICAL-TOXIC USED : D					

FILE '	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	S	S M/N	1	FLIGHT PURPOSE	PILOT DATA
3-2805	9/11/76 TIME - 1600	BATESHURG.SC )	HUGHES 269B N9380F DAMAGE-SUBSTANTIAL	CR- PX-	0 0	1 0	0	HI FE	I SCELL ANEOUS PRRY	COMMERCIAL, AGE 29, 2301 TOTAL HOURS, 2156 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE I		INTENDED DESTINATION							
	MONETTA,S		BATESBURG, SC			на	C E	oe (	DPERATION	
		ALLURE OR MALFUNC	TION			Į į	N F	LIGH	11 NORMAL CRUISE POWER-OFF AUTOROTATI	IVE LANDING
	PROBABLE CA PILOT IN PILOT IN POWERPLAN MISCELLAN COMPLETE PO EMERGENCY ( REMARKS- NO	ROTOR CTING E MEOUT- DRT ON	R.P ROD 1 E	P.M DS ENG	I NE		DETERMINED REASON.			
1-3735	10/16/76 NF TIME - 171	R.LAURFNS.SC 5	RENSEN B-8M N6536 DAMAGE-DESTROYED	CR- PX-	1	0	0	) NI ) PI	ONCOMMERCIAL LEASURE/PERSONAL TRANS	STUDENT, AGE 47, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIR DEPARTURE I LAURENS, SO	N AIRPT. INTENDED DESTINATION LOCAL							NATES.	
	TYPE OF ACC	CIDENT	ER UNCONTROLLED						DPERATION IT LOW PASS	
		COMMAND - IMPROP	FR OPERATION OF FLIGHT AND ENG DRIVEN PROPELLE				TAC	T DU	URING PLT INDUCED STAL	L MANEUVER
1-1318	6/1/76 TIME - 1030	CACTUS FLATS,SD	BELL 47G-2 N46R Damage-Surstantlal		0	0	1 2	. c(	DMMERCIAL Ther	COMMERCIAL, FL.INSTR., AGE 26, 1508 TOTAL HOURS 29 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE F				<b>.</b> E	0E (	DPERATION	NEW MATERI		
	ENGINE F	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					N F	LIG	POWER-OFF AUTOROTATI	IVE LANDING
	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS.CONDITIONS - FUEL EXHAUSTION COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									

FILE	DATE	LUCATION	AIRCRAFT DATA		INJ	UR S	IES M	/N	FLIGHT PURPOSE	PILO1 DATA
3-3205	9/28/76 TIME - 11	MILLINGTON, TN 30	HUGHES 269B N942BF DAMAGE-SUBSTANTIAL	C P	- (-	0	0	l 0	COMMERCIAL POWER/PIPELINE	COMMERCIAL, FL.INSTR AGE 29. 3880 TOTAL HOURS. 2015 IN TYPE, NOT INSTRU- MENT RATED.
	MEMPHIS Type of A Engine	DEPARTURE POINT INTENDED DESTINATION MEMPHIS,TN LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING						FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROT	
	MISCELL PILOT I PILOT I COMPLETE EMERGENCY	ANT - ENGINE STRUCT ANEOUS ACTS, CONDITI N COMMAND - IMPROPE N COMMAND - MISJUDG POWER LOSS - COMPLE CIRCUMSTANCES - FO	TURE MASTER AND CONNECTIONS - MATERIAL FAILURE R OPERATION OF FLIGHT SED SPEED AND ALTITUDE TE ENGINE FAILURE/FLAI RCED LANDING OFF AIRPE A44 BKN AT R REAR CYL.	CNI KEDI	ITRO	DLS L E	vG 1	NE		
3-3404		PIGEON FORGE, TN 45	RELL 47G-2 N6755D DAMAGE-DESTROYED	C(	} -	1 0	0	0 0	COMMERCIAL OTHER	COMMERCIAL, AGE 24, 4764 TOTAL HOURS, 1856 IN TYPE, NOT INSTRUMENT RATED.
	PIGEON TYPE OF A PROPELL	POINT INTENDED DESTINATION  FORGE.TN LOCAL  ACCIDENT PHASE OF OPERATION  LER/ROTOR FAILURE TAIL ROTOR TAKEOFF INITIAL CLIMB  ED WITH TREES IN FLIGHT UNCONTROLLED DE								
,	ROTORCR MISCELL FACTOR(S) PILOT I MISCELL TERRAIN	EL - MAINTENANCE.SE AFT - ROTOR ASSEMBI ANEOUS ACTS.CONDITI N COMMAND - EXERCIS ANEOUS ACTS.CONDITI - HIGH ORSTRUCTION	INNS – SEPARATION IN ÉI	S E L I G	ŧΤ					
3-3967		FAYETTEVILLE,TN 00	BRANTLY B2B N227111 DAMAGE—DESTROYED	CI Pi	}- (-	0	0	· 2 0	INSTRUCTIONAL DUAL	ATP.FLIGHT INSTR., AGF 31. 3806 FOLAL HOURS, 11 IN TYPE. INSTRUMENT
	DEPARTURE FAYETTE TYPE OF A HARD LA	VILLE.TN CCIDENT NDING	LE INTENDED DESTINATION LOCAL			Pi			F OPERATION AERIAL TAXI TO TAKFO	RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLI DUAL STUDENT - IMPROPER OPERATION OF FLIGHT CONT									

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR I	IES S H	/N	FLIGHT PURPOSE	PILOT DATA
	1/10/76 TIME - 1430	ENCINAL .TX	BELL 47G-4A N7948S Damage-Substant[Al	CR- PX-				NONCOMMERCIAL PLEASURE/PERSONAL TRANS	COMMERCIAL, FL.INSTR., P AGE 25, 1716 TOTAL HOURS, 542 IN TYPE, NOT INSTRU-
	DEPARTURE ( ENCINAL, I Type of Acc	ГХ	INTENDED DESTINATION LOCAL		Pi	HAS	F n	F OPERATION	
	PROPELLE	VE LANDING							
	MISCELLAN EMERGENCY (	T - FLIGHT CONTI NEOUS ACTS.CONDI	ROL SYSTEMS TAIL ROTOR TIONS - FATIGUE FRACTUR FORCED LANDING OFF AIRPO K FAILED.	E	-		OL	SYSTEM	
	2/17/76 NI TIME - 1300		TX BELL 47G-4A N78HB DAMAGE-SUBSTANTIAL	PX-	0 0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANS	COMMERCIAL, AGE 28, 763 P TOTAL HOURS, 263 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE A	POINT	INTENDED DESTINATION ENCINAL.TX						
	TYPE OF ACC	CIDENT R/ROTOR FAILURE				IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATI	VE LANDING
	MISCELLAI PERSONNEI FACTOR(S) TERRAIN - EMERGENCY (	FT - TRANSMISSION NEOUS ACTS.CONDI L - MAINTENANCE ROUGH/UNEVEN CIRCUMSTANCES - (	N ROTOR DRIVE SYSTEM T TIONS — IMPROPERLY INST SERVICING, INSPECTION I FORCED LANDING OFF AIRP OUILL GRS UNMESHED DUE	ALLED NADEOUA ORT ON	ATE LAI	MA ND	INI		L SIDE.
3-0508	3/21/76 TIME - 111	VAN HORN.TX	BELL 47G-2 N673OC Damage-Substantial	PX-	0	0	1 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 44, 6690 TOTAL HOURS, 149 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE	RPORT - CULBERSO POINT TX	N COUNTY INTENDED DESTINATION LOCAL						
	TYPE OF ACC	CIDENT	CHUAL					F OPERATION FF VERTICAL	
		NEMUS - UNDETERM	INFD SPORT TRAILER TO RAMP.						

			INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA								
	5/22/76 CASTROVILLE,TX TIME - 0830		CR- 0 0 2 INSTRUCTIONAL	•								
	NAME OF AIRPORT - CASTROVI DEPARTURE POINT CASTROVILLE,TX TYPE OF ACCIDENT ROLL OVER	PHASE OF OPERATION STATIC OTHER	TEN MATEUR									
	ROLL OVER  PROBABLE CAUSE(S)  PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC.  PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT  REMARKS- DISCUSSING MANEUVERS. 2300 RPM, COLLECTIVE FRICTIONED DWN FOR 12-15 MIN.											
3-1495	6/26/76 NR.LAMPASAS.TX TIME - 1200  DEPARTURE POINT CASTROVILLE.TX TYPE OF ACCIDENT	N897OF DAMAGE-SUBSTANTIAL INTENDED DESTINATION MINERAL WELLS,TX	PX- O O 1 FERRY  LAST ENROUTE STOP	COMMERCIAL, AGE 22, 300 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT RATED.								
	COLLIDED WITH WIRES/POL PROBABLE CAUSE(S) PILOT IN COMMAND - FAILE FACTOR(S) TERRAIN - HIGH OBSTRUCTI REMARKS- HIT PWR LINES LOG	• • •										

FILE			AIRCRAFT DATA	1	=	SM	/N	PURPOSE	PILO1 DATA		
3-2224		CALLEN.TX	BELL 47G-2 N38926 DAMAGE-SUBSTANTIAL	CR-	0	0	1		COMMERCIAL, AGE 26, 345 TOTAL HOURS, 3200 IN TYPE, NOT INSTRUMENT		
	DEPARTURE PO	INT	INTENDED DESTINATION						RATED.		
	MCALLEN,TX		LNCAL		_						
	TYPE OF ACCI				μ			F OPERATION IGHT STARTING SWATH	D LIN'		
	HARD LAND							NG POWER-ON LANDING	NUN.		
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE FACTOR(S) MISCELLANEOUS ACTS.CONDITIONS - JETTISONED LOAD EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND										
	SPECIAL DATA										
		ROL - 1600			κI	ND	OF OPERATION - SPRAYI	NG CROPS			
	KIND OF CE						OUID CHEMICAL-NONTOXIC				
	PILOT'S SE GOGGLES -					S - USED   HELMET - AVAILABLE U	c en				
	COCKPIT CR	NSTALLED					BAR - NOT INSTALLED	250			
	TANK/HOPPE					IN-TYPE - LEVEL FLAT					
	ELEVATION-					DENSE WITH	TREES				
	SWATH RUN-	OSSWIND K RATE,HAD TO LND.									
	miname ici	the annear sin	A WATE THAT THE END								
-2102	8/5/76 A TIME - 1645	MARILLO, TX	HUGHES 269B N9301F DAMAGE-SUBSTANTIAL	CR- PX-	0	1	1	NONCOMMERCIAL PLEASURE/PERSONAL TR	NO CERTIFICATE, AGE 26, ANSP UNKINR TOTAL HOURS,		
			DAMAGE-2003 LANT LAL						UNK/NR IN TYPE, NOT Instrument rated.		
	DEPARTURE PO		INTENDED DESTINATION								
	AMARILLO.T		LOCAL		_						
	TYPE OF ACCI	DENI		PHASE OF OPERATION IN FLIGHT HOVERING							
	PROBABLE CAUSE(S)  MISCELLANEOUS - UNQUALIFIED PERSON OPFRATED AIRCRAFT PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  COPILOT - IMPROPER OPERATION OF FLIGHT CONTROLS  REMARKS- PIC OP CYCLIC,CP OP COLLECTIVE & PEDALS. NEITHER QUALIFIED IN ACFI.										

FILE	DATE	LOCATION	AIRCRAFT DATA	INJI F	IR I E S	S M/	N	FLIGHT PURPOSE	PILOT DATA			
3-2412	8/12/76 BROW	NSVILLE.TX	ENSTROM F-28A CON N9057 PO DAMAGE-DESTROYED INTENDED DESTINATION LOCAL	R- ( (- (	0 (	)	1 2	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 50, 9675 TOTAL HOURS. 362 IN TYPE, NOT INSTRUMENT RATED.			
	BROWNSVILLE.T TYPE OF ACCIDEN COLLIDED WITH	•			PHASE OF OPERATION TAKEOFF ARORTED							
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.											
	TERRAIN - HIG EMERGENCY CIRCU	H OBSTRUCTION MSTANCES - FO		ON I	LANI	,						
3-2584			DAMAGESURSTANTIAL	R_ (	0 (	)	1 1	NONCOMMERCIAL RUSINESS	COMMERCIAL, AGE 39, 10000 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POINT FREER.TX TYPE OF ACCIDEN		INTENDED DESTINATION LOCAL		ры	SE	n F	OPERATION				
	PROPELLER/ROT	OR FAILURE 1	AIL ROTOR			IN	FLI	IGHT NORMAL CRUISE IG POWER-OFF AUTOROTATIV	E LANDING			
	MISCELLANEOUS PILOT IN COMM	ROTOR ASSEMBL ACTS.CONDITI AND - MISJUDO MSTANCES - FO	IES BEARINGS ONS - MATERIAL FAILURE ED SPEED AND ALTITUDE RCED LANDING OFF AIRPORT RECTIONAL CONTROL PROBLE	M		)						
	REMARKS- HERDIN		SPECTED MECHANICAL DISCR Input thrust bearing fa									
3-2413	9/12/76 BOER Time - 1230	NE •T X	RELL 206A C N2291W P DAMAGE-SUBSTANTIAL	R- X-	0 (	)	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 26. 1494 TOTAL HOURS, 403 IN TYPE, NOT INSTRU- MENT RATED.			
	DEPARTURE POINT BOERNE.TX TYPE OF ACCIDEN ENGINE FAILUR HARD LANDING	IT	INTENDED DESTINATION LOCAL ION			TAK	EOF	OPERATION F INITIAL CLIMB G OTHER				
	POWERPLANT - MISCELLANEOUS	AINTENANCE.SE COMPRESSOR AS ACTS.CONDITI	RVICING, INSPECTION IMPR SEMBLY OTHER ONS - STRIPPED LOSS OF POWER - 1 ENGIN		HA	I N T	ENA	NCE (MAINTENANCE PFRSONN	EL)			
			RCED LANDING OFF AIRPORT DISCHARGE PRESSURE PROBE				13 E	ABLY CAUSED ENG TO GO TO	FLIGHT IDLE.			

FILE	DATE LOCATIO	DN AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA
	10/12/76 KERRVILLE, TIME - 1000	TX BELL 47G N2772 DAMAGE-DESTROYED	CR- O 1 O COMMERCIAL PX- O O CONSTRUCTION	COMMERCIAL, FL.INSTR., AGE 44, 2891 TOTAL HOURS, 1060 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT KERRVILLE.TX TYPE OF ACCIDENT COLLISION WITH GROUP	INTENDED DESTINATION LOCAL ND/WATER UNCONTROLLED	PHASE OF OPERATION TAKEOFF OTHER	HENT RAILD.
	PROBABLE CAUSE(S) PILOT IN COMMAND - P FACTOR(S) MISCELLANEOUS ACTS.	41SJUDGED SPEED CONDITIONS - LOAD NOT JETTIS	•	E TO UNWIND.
3-3760	10/24/76 LAREDO.TX TIME - 0915	BELL 47G-4A N62445 Damage-destroyed	CR- O 1 O COMMERCIAL PX- O 2 O OTHER	COMMERCIAL, FL.INSTR., AGE 39, 3510 TOTAL HOURS, 2200 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT LAREDO.TX TYPE OF ACCIDENT COLLIDED WITH WIRE:		PHASE OF OPERATION IN FLIGHT OTHER	RAIED
	FACTORIS) PILOT IN COMMAND - (	FAILED TO SEE AND AVOID OBJE DIVERTED ATTENTION FROM OPER CONDITIONS — UNWARRANTED LOW RVEY	ATION OF AIRCRAFT	
3-3119	10/26/76 SONORA,TY TIME - 1010	BELL 47G N7732 Damage-Surstantial	CR- O O 1 NONCOMMERCIAL PX- O O 1 AERIAL SURVEY	TOTAL HOURS, 1081 IN TYPE, NOT INSTRUMENT
	NAME OF AIRPORT - TRAN DEPARTURE POINT SONDRA.TX TYPE OF ACCIDENT COLLIDED WITH OBJEC ROLL OVER	INTENDED DESTINATION LOCAL	PHASE OF OPERATION Landing Power-on Landing Landing Power-on Landing	RATED.
	FACTOR(S) MISCELLANEOUS ACTS	MISJUDGED ALTITUDE AND CLEAR CONDITIONS - DOWNWIND S TRAILER T/R CONTACTED WIRE	RANCE : Mesh, became airborne, started rotating	; & CRASH LNDD.

FILE	DATE LOCATIO	N AIRCRAFT DATA	E C H/N	OUDDOCE	PILOT DATA
	3/14/76 NR.BLUFF.UT TIME - 1200	HILLER ACFT UH-12E N67159 DAMAGE-DESTROYED	CR- 0 1 0		ATP, FLIGHT INSTR., AGE 34, 4903 TOTAL HOURS, 31 IN TYPE, NOT INSTRUMENT RATED.
	KANE GULCH STA.UT Type of accident	INTENDED DESTINATION LOCAL  D/WATER UNCONTROLLED		DF OPERATION .IGHI HOVERING	
	MISCELLANEOUS ACTS.C	CONTROL SYSTEMS CYCLIC PITC ONDITIONS - FATIGUE FRACTURE PYLON, PART NR 34004, FAILED. (			
3-0970	4/10/76 BOUNTIFUL,U TIME - 1520			NONCOMMERCIAL PLEASURE/PERSONAL TRANSI	PRIVATE, AGE 37. 141 P TOTAL HOURS, 99 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT BOUNTIFUL.UT TYPE OF ACCIDENT COLLISION WITH GROWN	INTENDED DESTINATION LOCAL  D/MATER CONTROLLED		DE OPERATION ING LEVEL OFF/TOUCHDOWN	
				ITY LEVEL	
•	WEATHER BRIEFING - NO	RECORD OF BRIEFING RECEIVED RECAST SUBSTANTIALLY CORRECT	:		
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT 5 OR OVER(UNLIMITED)		UNLT	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT SITE	
	OBSTRUCTIONS TO VISION NONE WIND DIRECTION-DEGREES	AT ACCIDENT SITE	TEMPER 66	ATURE-F ELOCITY-KNOTS	
	340 TYPE OF WEATHER CONDIT VFR REMARKS- DA 7000FT.LND	TIONS	. 10	F FLIGHT PLAN	

FILE			AIRCRAFT DATA						PILOT DATA
		INT UT DENT NG .	BELL 206B	CR- PX-	0	O O HAS	1 3 E 0	COMMERCIAL CTR PASSG-D F OPERATION NG POWER-ON LANDING NG POWER-ON LANDING	COMMERCIAL, AGE 26, 3304 TOTAL HOURS, 510 IN TYPE NOT INSTRUMENT RATED.
	FACTOR(S) TERRAIN -	ROUGH/UNEVEN	DPER LEVEL OFF ITIONS - OVERLOAD FAILURE	<b>!</b>					
3-2742	8/7/76 L Time - 1630		BENSEN B-RM N4194 Damage-Substantial	PX-	0	0	i O	NONCOMMERCIAL PLEASURE/PERSONAL TRAI	PRIVATE, AGE 42, 105 NSP TOTAL HOURS, 27 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRP DEPARTURE PO LEHI.UT Type of Acci Hard Landi	INT	INTENDED DESTINATION LOCAL					F OPERATION NG ROLL-ON/RUN-ON	NOT INSTRUMENT RATED.
	FACTOR(S) PILOT IN C WEATHER -	OMMAND - IMPRO OMMAND - IMPRO HIGH DENSITY /	OPER LEVEL OFF OPER OPERATION OF POWERPL ALTITUDE ITIONS - TOUCH AND GO LAN		PO	WER	PLA	NT CONTROLS	
	5 OR OVER	T ACCIDENT SITUNLIMITED) TO VISION AT F · Y-KNOTS	TE ACCIDENT SITE		PR	UN REC NO ELA RI INC 21	IL IM IPI INE ITIV IGHT DI IO	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITE E BEARING OF MIND OUARTERING HEAD MIND RECTION-DEGREES WEATHER CONDITIONS	

			AIRCRAFT DATA			S	H/N		PURPOSE		PILAT DATA
	9/25/76 NR.MANTU TIME - 1415	JA . UT	BELL 47G3B2 N22O5W DAMAGE-DESTROYED	CF		0	0	NOI			COMMERCIAL, FL.INSTR., AGE 43, 2670 TOTAL HOURS, 1850 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE POINT BOY SCOUT CAMP		INTENDED DESTINATION LOCAL								
	TYPE OF ACCIDENT		LOCAL			DHA	SF (	ne ni	PERATION		
	PROPELLER/ROTOR	FATIURE	TATI ROTOR						T NORMAL CRUIS	=	
			ER UNCONTROLLED						T UNCONTROLLED		
	MISCELLANEOUS A MISCELLANEOUS A PERSONNEL - PRO FACTOR(S) PILOT IN COMMAN EMERGENCY CIRCUMS	ACTS,CONDIT ACTS,CONDIT ADUCTION-DE HD - DELAYE STANCES - F	ROTOR DRIVE SYSTEM TAILURI IONS — MATERIAL FAILURI IONS — EXCESSIVE-WEARA SIGN-PERSONNEL SUBSTAN D IN INITIATING GO-ARON DRCED LANDING OFF AIRPO SPIN FROM 500 ET TO GO	E PLAY NDAI JND JND JNT	/ RD OI	JAL I	ΙΥ	CONT		SERVICE	125 HRS.
3-3443	10/15/76 NR.BEAVE TIME - 1045	ER ,UT	BELL 47G N17AB DAMAGE-DESTROYED						SCELLANEOUS NTING		ATP.FLIGHT INSTR., AGF 28, 2830 TOTAL HOURS, 160 1N TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION						,		n = 12.00 8

MANDERFIELD.UT TYPE OF ACCIDENT LOCAL

COLLIDED WITH WIRES/POLES HARD LANDING

PHASE OF OPERATION IN FLIGHT OTHER LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSEIST PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS FACTOR(S) PILOT IN COMMAND - IMPROPER LEVEL OFF TERRAIN - HIGH OBSTRUCTIONS MISCELLANEOUS ACTS. CONDITIONS - SUNGLARE MEMARKS- WIRES VARIED IN HEIGHT FROM 30 TO 200FT AGL.

## ARIFES OF ACCIDENTS

FILE			INJURIES F S M/N	PURPOSE	PILOT DATA
	1/31/76 COLLINSVILLE.V. TIME - 1145  DEPARTURE POINT MARTINSVILLE.VA TYPE OF ACCIDENT ENGINE FAILURE OR MALFU	A AIR & SPACE 18A N6128S DAMAGE-SIBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 0 1 NO PX- 0 0 1 PL PHASE OF 0	NCOMMERCIAL EASURE/PERSONAL TRAN	
	COLLISION WITH GROUND/W			POWER-OFF AUTOROTAT	IVE LANDING
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPRI MISCELLANEOUS ACTS.COND MISCELLANEOUS ACTS.COND FACTOR(S) WEATHER - CONDITIONS COI TERRAIN - OTHER COMPLETE POWER LOSS - COM WEATHER BRIEFING - NO RECO WEATHER FORECAST - UNKNOWN	ITIONS - ANTI-ICING/DEIC ITIONS - ICE-CARBURETOR IDUCIVE TO CARB./INDUCTI PLETE ENGINE FAILURE/FLA IRD OF BRIEFING RECEIVED	ING EQUIPMENT-IMPR ON SYSTEM ICING MEOUT-1 ENGINE		FAILED TO USE
	SKY CONDITION		CEILING AT	ACCIDENT SITE	
	OVERCAST/LOWER SCATTERED VISIBILITY AT ACCIDENT SI 5 OR OVER (UNLIMITED)		25000 PRECIPITAT None		
	ORSTRUCTIONS TO VISION AT	ACCIDENT SITE	TEMPERATUR 48	E-F	•
	WIND DIRECTION-DEGREES	·	WIND VELOC	TTY-KNOTS	•
	TYPE OF WEATHER CONDITION VFR REMARKS- LNDD IN PARKING	_	TYPE OF FL NONE	IGHT PLAN	
3-0126	2/4/76 CHESAPEAKE.VA TIME - 1515	BELL 47G-2 N28238 DAMAGE-DESTROYED	CR- 0 0 2 IN PX- 0 0 0 DU		COMMERCIAL, FL.INSTR., AGE 28, 2968 TOTAL HOURS, 871 IN TYPE, INSTRUMENT
	DEPARTURE POINT NORFOLK.VA	INTENDED DESTINATION			RATED.
	TYPE OF ACCIDENT ROLL, OVER	LOCAL	PHASE OF O IN FLIGH	PERATION T HOVERING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADI DUAL STUDENT - IMPROPER	EQUATE SUPERVISION OF FL OPERATION OF FLIGHT CON	•		

FILE	DATE	LOCATION		INJURIES F S M/N	PURPOSE	PILO1 DATA
	2/18/76 TIME - 1540 DEPARTURE F SEATTLE N TYPE OF ACC COLLISION PROBABLE CA DUAL STUIT PILOT IN	RENTON, WA  POINT  A IDENT  WHITH GROUND/WA  AUSE(S)  PENT - LACK OF FA COMMAND - INADE(	HUGHES 269B N11217 DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL IER CONTROLLED MILIARITY WITH AIRCRAFT O RELINQUISH CONTROL DUATE SUPERVISION OF FLICATED CONTROL OF THE SUPERVISION OF FLICATES OF THE SUPERVISION OF THE SU	CR- 0 0 2 PX- 0 0 0 PHASE 0 IN FL	INSTRUCTIONAL DUAL F OPERATION IGHT HOVERING	COMMERCIAL, FL.INSTR., AGE 30, 1947 TOTAL HOURS, 192 IN TYPE, NOT INSTRU- MENT RATED.
3-0971	DEPARTURE RANDLE, WA TYPE OF ACC	S RPURT - LOGGING ( POINT A CIDENT	HILLER ACFT UH-12E N9732C DAMAGE-SUBSTANTIAL INIT NO.8 INTENDED DESTINATION GLENOMA, WA	PX- 0 0 2		CUMMERCIAL, AGE 28, 1801 TOTAL HOURS, 275 IN TYPE, NOT INSTRUMENT RATED.
	WEATHER BR WEATHER BR WEATHER FOI SKY CONDITI OVERCAST	- SUDDEN WINDSHII - DOWNDRAFT.UPDR. IEFING - UNKNOWN RECAST - UNKNOWN.	AFTS VNOT REPORTED VNOT REPORTED	7000	AT ACCIDENT SITE	I TE
	5 OR OVE	R(HNLIMITED) NS TO VISION AT HTY-KNOTS		NONE WIND DI 90	RECTION-DEGREES WEATHER CONDITIONS	

FILE			AIRCRAFT DAȚA	INJ F	IJR	1ES 5 M/	'N	FL1GHT PURPOSE	PILOT DATA		
3-1911		PALOUSE.WA	BELL 47G-38	CR-	0	0	1	COMMERCIAL	COMMERCIAL, FL.INSTR., Y AGE 28, 3773 TOTAL HOURS, 1754 IN TYPE, INSTRUMENT RATED.		
	NAME OF AIRPORT — PERKINS  DEPARTURE POINT INTENDED DESTINATION  PALOUSE,WA LOCAL  TYPE OF ACCIDENT PHASE OF OPERATION  ROLL OVER TAKEOFF VERTICAL										
	PROBABLE CAUSF(S) MISCELLANEOUS - UNDETERMINED										
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATI FIRE AFTE	IDURS IN CROP CONTI CROP - GRAIN FIE SEAT BELT - UNKNI - NOT USED CRASHPAD - NOT I DPPER-LOCATION - S ON-AREA BEING TRE R IMPACT	LDS DWN/NOT REPORTED NSTALLED IDES	YED BY	Fli	TYF GLC CRA CRA	PE IVE: ISH ISH	OF OPERATION - SPRAYING OF CHEMICAL USED - LIQU S - NOT USED HELMET - AVAILABLE USE BAR - NOT INSTALLED IN-TYPE - ROLLING	OID CHEMICAL-NONTOXIC		
3-1224	5/10/76 TIME - 12		BELL 47G-3B N5R131 DAMAGE-SUBSTANTIAL					COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 2200 TOTAL HOURS, 330 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE SPOKANE		INTENDED DESTINATION LOCAL								
	TYPE OF A	•						F OPERATION IGHT SWATH RUN			
	PILOT I FACTOR(S)	N COMMAND - OPERA N COMMAND - FAILE	D TO SEE AND AVOID OBJEC	CTS OR	OB!	S TR (	JC T	I ONS			
	KIND OF PILOT'S GOGGLES CRASH P TERRAIN SWATH R	IDURS IN CROP CONTU CROP - GRAIN FIEI S SFAT RELT - FASTU S - UISFO JAR - NOT INSTALLEI J-TYPF - HILLY UIN-HOW FLOWN - CRU	.DS FNFD-PROPERLY D	DRG 3R	D :	GLC CRA TAN	E ( SH K/I VA	DF OPERATION - SPRAYING OF CHEMICAL USEO - LIOU S - NOT USEO HELMET - AVAILABLE USE HOPPER-LOCATION - FORWA TION-AREA BEING TREATED	IO CHEMICAL-NONTOXIC D RD OF PILOT		

FILE	DATE	LOCAT ION	AIRCRAFT DATA	INJUR F	IES S M/	N P	L 1GHT URPOSE		PILOT DATA
3-1227	5/12/76 TIME - 1930	FORKS, WA	BELL 47G-3B N3794G DAMAGE-SUBSTANTIAL INTENDED DESTINATION LOCAL	CR- 0 PX- 0	0	1 COMM O AERI	ERCIAL AL APPLICATION		COMMERCIAL, AGE 33. 2400 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC	/ROTOR FAILURE	TAIL ROTOR ER CONTROLLED		IN	FLIGHT	RATION SWATH RUN EVEL OFF/TOUCHD	OWN	
	MISCELLAN FACTOR(S) TERRAIN -	T - TRANSMISSION BEOUS ACTS.CONDIT - ROUGH/UNEVEN	ROTOR DRIVE SYSTEM TA 10NS - FATIGUE FRACTURE DRCFD LANDING OFF AIRPO			R BOX			
	KIND OF C PILOT'S S GOGGLES - COCKPIT C TANK/HOPP ELEVATION	IRS IN CROP CONTRI IROP - OTHER IEAT BELT - UNKNO IROT USED IRASHPAD - NOT IN IFR-LOCATION - SI I-AREA BEING TREA	STALLED		TYP GLO CRA CRA TER SWA	E OF CH VES - N SH HELM SH BAR RAIN-TY TH RUN-	OT USED ET - AVAILABLE - NOT INSTALLED PE - HILLY HOW FLOWN - CRO	IAUID C	RESTS HEMICAL-NONTOXIC
3-2829		ELTOPIA,WA )	BELL 47G-2 N24B3B DAMAGE-DESTROYED	CR- O PX- O	0	l COMM O AERI	ERCIAL AL APPLICATION		COMMERCIAL, AGE 42, 6470 TOTAL HOURS, 1305 IN TYPE, NOT INSTRUMENT
	ELTOPIA, TYPE OF ACC PROPELLE	1A			IN	FLIGHT	RATION PROCEDURE TURN PROCEDURE TURN		RATED.
	MISCELLAM TERRAIN - FACTOR(S) MISCELLAM	FT - TRANSMISSION NEOUS ACTS, CONDIT - HIGH DBSTRUCTIO NEOUS ACTS, CONDIT	ROTOR DRIVE SYSTEM TA IONS - MATERIAL FAILURE NS IONS - SEPARATION IN FL ORCED LANDING OFF AIRPO	1 GHT		VE SHAF	T ASSEMBLY		
	KIND OF C PILOT'S S GOGGLES ~ COCKPIT C TANK/HOPF ELEVATIOI PROCEDURE FIRE AFTER	IRS IN CROP CONTR IROP - GRAIN FIELS SEAT BELT - FASTE - USEO CRASHPAD - NOT IN PER-LOCATION - SI N-AREA BEING TREA TURNAROUND - FI IMPACT	DS NED-PROPERLY STALLED DES TED-FEET - 600		TYP GLO CRA CRA TER SWA	E OF CH VES - U SH HELM SH BAR RAIN-TY TH RUN-	PERATION - SPRAY EMICAL USED - L ISED ET - AVAILABLE - NOT INSTALLED PE - LEVEL.FLAT HOW FLOWN - CRO	IQUID (	

FILE	DATE	LOCAT ION	AIRCRAFT DATA	INJURIES F S M/N	FL IGHT PUR POSE	PILOT DATA
3-1747	6/17/76 TIME - 1919 DEPARTURE UNKNOWN/NO TYPE OF AC	CLEARWATER.WA 5 POINT DT REPORTED CIDENT	AEROSPATLE SE3133 N7329 DAMAGE-DESTROYED INTENDED DESTINATION CLEARWATER, WA ER UNCONTROLLED	CR- 0 1 0 PX- 0 0 0	COMMERCIAL CONSTRUCTION OF OPERATION LIGHT HOVERING	COMMERCIAL, AGE 26, 2400 TOTAL HOURS, 219 IN TYPE, NOT INSTRUMENT RATED.
	MISCELLAI FACTOR(S) TERRAIN	COMMAND - IMPROP NECUS ACTS.CONDIT - OTHER	ER IN-FLIGHT DECISIONS IONS - INTERFERENCE WIT T/R. CRASHED IN CANYOR	TH FLIGHT CONTR	OOLS	
3-1748	TIME - 160	O Point Ma	BELL 2068 NLOOYB DAMAGE-SUBSTANTIAL INTENDED DESTINATION WESTPORT, WA	PX- 0 0 2	NONCOMMERCIAL PLEASURE/PERSONAL TRANSF  OF OPERATION	PRIVATE, AGE 63, 2935 TOTAL HOURS, 135 IN TYPE, NOT INSTRUMENT RATED.
	COLLIDED  PROBABLE C PILOT IN FACTOR(S)	WITH WIRES/POLE	GED CLEARANCE		NG FINAL APPROACH	
3-3530	8/10/76 N Time - 132	R.KENNEHICK.HA 5	HILLER ACFT 11H-12F N7411N DAMAGE-SUBSTANTIAL		COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE UNK/NR, 15000 TOTAL HOURS, 10000 IN TYPE, NOT INSTRUMENT RATED.
	KENNEWICK TYPE OF AC	,WA Cident Ailure or malfunc	INTENDED DESTINATION LOCAL TION	IN FI	NF OPERATION LIGHT HOVERING NG POWER-OFF AUTOROTATIN	
	MISCELLA MISCELLA PILOT IN COMPLETE P EMERGENCY	NT - FUEL SYSTEM NEOUS ACTS.CONDIT NEOUS ACTS.CONDIT COMMAND - FAILED OWFR LOSS - COMPL CIRCUMSTANCES - F	IONS - MATERIAL FAILURE IONS - FUEL STARVATION TO FOLLOW APPROVED PRI ETE ENGINE FAILURE/FLAI ORCED LANNING OFF AIRPI	DCEDURES.DIREC MENUT-1 ENGINE DRT ON LAND	TIVES.ETC. OP MANUAL STATES PUMP SHOW	JLD HAVE BEEN ON.

FILE			AIRCRAFT DATA	FS	4/N	PURPOSE	PILOT DATA
	8/11/76 NR.VANC TIME - 0935		RELL 47G3B2 C	R- 0 0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL. AGE 57. 5800 TOTAL HOURS, 4500 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT VANCOUVER.WA		INTENDED DESTINATION LOCAL				110
	TYPE OF ACCIDENT COLLISION WITH					F OPERATION IGHI STARTING SWATH RUN	ı.
	PROBABLE CAUSE(S MISCELLANEOUS FACTOR(S) WEATHER - LOW	- UNDETERMIN	ED				
	SKY CONDITION				-	AT ACCIDENT SITE	
	OVERCAST VISIBILITY AT AC				CIPI	TATION AT ACCIDENT SITE	
	1 MILE OR LESS OBSTRUCTIONS TO	VISION AT AC	CIDENT SITE	TEMI	PERA	WN/NOT REPORTED TURE-E	
	UNKNOWN/NOT RE TYPE OF WEATHER VFR					FLIGHT PLAN	
		HARGED. ENG	EXAM DISCLOSED NO FVIDEN			ICTION. WX VFR FOR TYPE O	OF OPERATION.
3-3908	9/7/76 HUMPT TIME - 1030	UL IPS .WA	HILLER ACFT UH-12E ( N48001 F NAMAGE-SURSTANTIAL			COMMERCIAL CONSTRUCTION	COMMERCIAL. AGE 31, 5400 TOTAL HOURS, 3200 IN TYPE, NOT INSTRUMENT RATED.
			INTENDED DESTINATION				KATED.
	HUMPTULIPS.WA TYPE OF ACCIDENT ENGINE FAILURE COLLIDED WITH	OR MALFUNCT	LNCAL Inn	11	N FL	F OPERATION IGHT NORMAL CRUISE IGHT AUTOROTATIVE DESCE	-N1
	PILOT IN COMMA	ND - INADEGIA ND - MISMANA ACTS.CONDITI	ATE PREFLIGHT PREPARATION GEMENT OF FUEL ONS - FUEL EXHAUSTION S	N AND/OR	PLA	NN I NG	
	MISCELLANEOUS FACTORIS)	ACTS.CONDITI	ONS - FUEL FXHAUSTION S				

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU	RIES	5	FLIGHT	PILOT DATA	
		ASHMERE.WA	BELL 47G-3R N6712D DAMAGE-SUBSTANTIAL	CR- O PX- O	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 38, 6231 TOTAL HOURS, 1000 IN TYPE, INSTRUMENT RATED.	
	DEPARTURE PO	INT	INTENDED DESTINATION LOCAL						
	TYPE OF ACCI		LUCME		DHA	SE N	F OPERATION		
			TAIL ROTOR					DUND	
		- TRANSMISSIO	N ROTOR DRIVE SYSTEM TA TIONS - MATERIAL FAILURE		R GI	EAR	BOX		
	KIND OF CR PILOT'S SE GOGGLES — COCKPIT CR TANK/HOPPE	OWN/NOT REPORTED  NSTALLED  FT OF PILOT  ATED—FEET - 850  OSSWIND		GI CF CI	PE LOVE Rash Rash	OF OPERATION - SPRAYING OF CHEMICAL USED - LIQU S - NOT USED HELMET - AVAILABLE USE BAR - NOT INSTALLED IN-TYPE - LEVEL+FLAT HILLY	JID CHEMICAL-TOXIC		
3-3093	9/20/76 C TIME - 0710	ARSON+WA	HILLER ACFT UH-12D N62245 DAMAGE-SUBSTANTIAL	PX- 0			COMMERCIAL OTHER	COMMERCIAL, AGE 37, 5671 TOTAL HOURS, 610 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE PU	INT	INTENDED DESTINATION					MIT THE TROUBLET RATED	
	CARSON, HA	=	LOCAL						
	TYPE OF ACCI			PHASE OF OPERATION					
		LURE OR MALFUN	CTION				FF INITIAL CLIMB		
	CULLINED M			L	ANDI	NG POWER-OFF AUTOROTAT	TIVE LANDING		
	MISCELLANE TERRAIN -	- MISCELLANEOU DUS ACTS.CONDI HIGH OBSTRUCTI		FOUT 1	FNO	ME			
	_		LETE ENGINE FAILURE/FLAM FORCED LANDING OFF AIRPO	-		NE			

			AIRCRAFT DATA	· c	C M/M	DUDDACE	PILOT DATA					
	10/4/76 BRI TIME - 1745		HILLER ACFT UH-12E	CR- O	0 1	COMMERCIAL	COMMERCIAL, FL.INSTR., TIVITY AGE 32, 1849 TOTAL HOURS, 55 IN TYPE, NOT INSTRU- MENT RATED.					
	DEPARTURE POIN	<b>I</b> T	INTENDED DESTINATION LOCAL			•						
	TYPE OF ACCIDI	NT	CHEAL		PHASE OF OPERATION							
	ENGINE FAIL	IRE OR MALFIIN	CTION			NFF INITIAL CLIMB NG POWER-NFF AUTOR	ROTATIVE LANDING					
	MISCELLANEO TERRAIN - RI COMPLETE POWE	MMAND - [NADEO IS ACTS.CONDIT DUGH/UNEVEN R LOSS - COMPI	DUATE PREFLIGHT PREPARATIONS - FUEL EXHAUSTION LETE ENGINE FAILURE/FLAM FORCED LANDING OFF AIRPO	EOUT-1 E	NGINE	nn Ing						
	KIND OF CRO PILOT'S SEA GOGGLES - N COCKPIT CRA TANK/HOPPER	NT USED SHPAD - NOT IN -LOCATION - S	FES NED-PROPERLY ISTALLED IDFS	KIND OF OPERATION - FERTILIZING (DUST) TYPE OF CHEMICAL USED - UNKNOWN/NOT REPORTED GLOVES - NOT USED CRASH HELMET - AVAILABLE USED CRASH BAR - NOT INSTALLED								
	REMARKS- ENG (	FAIL AFTER TKI	OF.NO FUEL IN TANK.LNDD	DWNSLAPE	IN AF	WISH AND STUMPS.						
3-3521	11/19/76 NR.EI TIME - 1600	PHRATA.HA	HILLER ACFT UH-12E N538OV DAMAGE-DESTROYED			COMMERCIAL CONSTRUCTION	COMMERCIAL, FL.INSTR., AGE 26. 3500 TOTAL HOURS, 400 IN TYPE, NOT INSTRU- MENT RATED.					
	DEPARTURE POI	NT	INTENDED DESTINATION				TENT KATETA					
	EPHRATA, WA		LOCAL									
	COLLIDED WI	ENT TH WIRES/POL	ES			OF OPERATION Light Hovering						
	PILOT IN CO FACTOR(S)	MMAND - MISJUI DIVER	DGED CLEARANCE TED ATTENTION FROM OPER: S-PERSONNEL GROUND CREV		AIRCR	AFT						
		IGH OBSTRUCTIO		IMAN								
			ES.WORKING RETWEEN HI-TO	NSION L	INE & S	TATIC LINE.STRUCK S	STATIC LINE.					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJUR		RIES S M/N		FLIGHT PURPOSE	PILOT DATA		
	12/1/76 TIME - 130	NEILTON, WA 00 Point	HILLER ACFT UH-12E N93479 DAMAGF-DESTRDYED INTENDED DESTINATION MOCLIPS.WA	CR- (	 0 0	0	1 C	OMMERCIAL THER	COMMERCIAL, AGE 32, 1893 TOTAL HOURS, 275 IN TYPE NOT INSTRUMENT RATED.		
	TYPE OF AC ENGINE I HARD LAI			IN	FLIG	OPERATION HI HOVERING LEVEL OFF/IOUCHOO	OHN.				
	PILOT IN MISCELLA MISCELLA FACTOR(S) TERRAIN COMPLETE EMERGENCY	PROBABLE CAUSE(S)  PILOT IN COMMAND - MISMANAGEMENT OF FUFL  MISCELLANEOUS ACTS.CONDITIONS - INAITENTIVE TO FUEL SUPPLY  MISCELLANEOUS ACTS.CONDITIONS - FUEL EXHAUSTION  FACTOR(S)  TERRAIN - ROUGH/UNEVEN  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-I ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  REMARKS- EXTERNAL LOAD OF CEDAR BOLTS.M/R STRUCK TAILBOOM ON LOG.									
3-3526	12/17/76 TIME - 11	RENTON.WA 45	HILLER ACFT FHILOO NA678 OAMAGE-SUBSTANTIAL	PX- (					COMMERCIAL, AGE 32, 3194 TOTAL HOURS, 3 IN TYPE, NOT INSTRUMENT ATED.		
	NAME OF A DEPARTURE RENTON.I TYPE OF A		PH	1A S I	: nF	OPERATION					
	PILOT II FACTOR(S) CHECK P CHECK P MISCELL	CAUSE(S) N COMMAND - IMPRO N CUMMAND - LACK (  ILOT - INADEQUATE ILOT - LACK OF FAI ANEQUS ACTS, CONDI	PER LEVFL OFF OF FAMILIARITY WITH AIRC SUPERVISION OF FLIGHT MILIARITY WITH AIRCRAFT FORM - SIMULATED CONDIT R RECOVERY FM PRACTICE A	TONS				LEVEL OFF/TOUCHD( ENT.PIC-3HRS IN TY			
3-1004	4/12/76 TIME - 180	ALBRIGHT.WV '	HUGHES 369HS N9188F DAMAGE-SUBSTANTIAL		0	0 0	1 N 1 P	NNCNMMERCIAL RACTICE	PRIVATE, AGE 40, 767 101AL HOURS, 306 IN TYPE, NOT INSTRUMENT RATED.		
	ALBRIGH TYPE OF A	T.WV CCIDENT FAILURE OR MALFUNI	INTENDED DESTINATION LOCAL			LA	ID I NG	OPERATION POWER-OFF AUTORO' POWER-OFF AUTORO'	TATIVE LANDING		
	PROBABLE CAUSE(S)  MISCELLANEOUS ACTS.CONDITIONS - SIMULATED CONDITIONS  PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE FMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- PRACTICE AUTOROTATIONS, REAR TAILSKID AREA STRUCK GND FIRST.										

FILE			AIRCRAFT DATA					PILOT DATA		
			HUGHES 269A	CR- C	0	1	NONCOMMERC TAL	COMMERCIAL, AGE 29, 3922 SP TOTAL HUURS, 43 IN TYPF, INSTRUMENT RATED.		
	NAME OF AIRPO DEPARTURE POIN COLBY.W1	RT - COLBY-ABF NT	ANTSFORD INTENDED DESTINATION LOCAL							
	TYPE OF ACCIDE ENGINE FAIL HARD LANDING	URE OR MALFUNC	TION		IN	FLI	OPERATION GHT POWER-ON DESCENT G POWER-OFF AUTOROTAT	IVE LANDING		
	PROBABLE CAUSE(S) POMERPLANT - MISCELLANEOUS POMERPLANT FAILURE FOR UNDETERMINED REASONS PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.									
			ETE ENGINE FAILURE/FLA ORCED LANDING OFF`AIRPO			Æ				
3-2114	4/8/76 NR.E TIME - 0715	VANSTON.WY	. ENSTROM F-2AC N539H Damage-Substantial	PX- (			NONCOMMERCIAL CORP/EXEC	ATP.FLIGHT INSTR., AGE 20, 2962 TOTAL HOURS, 155 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE POI	RT - LANDING A NT	INTENDED DESTINATION							
	EVANSTON, WY TYPE OF ACCID HARD LANDIN GEAR COLLAP	G	LOCAL		LAN	IO I N	OPERATION G ROLL-ON/RUN-ON G ROLL-ON/RUN-ON			
	PROBABLE CAUS PILOT IN CO FACTOR(S)		TO MAINTAIN AREQUATE	ROTOR R.	.ė.m.					
	MISCELLANEO	IGH DENSITY AL	LTITUDE TIONS - OVERLOAD FAILUR RD OF BRIEFING RECEIVED					e.		
	SKY CONDITION OVERCAST		CE IL 1		AT ACCIDENT SITE					
	VISIBILITY AT 1 MILE OR L		NOM	Æ	TATION AT ACCIDENT SITE					
	OBSTRUCTIONS GROUND FOG		LIC	HT	REARING DE WIND AND VARIABLE WEATHER CONDITIONS					
	TEMPERATURE-F 40 Type of fligh				VFF		MENIUER COMMITTONS			
	NONE	_					DOWNSLOPE ROUTE.			

. ......

	DATE	LOCATION	AIRCRAFT DATA	INJ(	IR I E S	S M/N	FLIGHT PURPOSE	PILOT DATA			
3-4036		SPER.WY	BELL R-212	<del>-</del>	MISCELLANEOUS	AIRLINE TRANSPORT, AGE					
	DENVER,CO TYPE OF ACCIDE	IŢ	INTENDED DESTINATION RILLINGS.MONT		LAST ENROUTE STOP						
	ROTORCRAFT - MISCELLANEON MISCELLANEON FACTORIS) PERSONNEL - EMERGENCY CIRC	PROBABLE CAUSE(S)  ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY MISCELLANEOUS ACTS.CONDITIONS - RPM-UNCONTROLLABLE-OVERSPEED MISCELLANEOUS ACTS.CONDITIONS - MATERIAL FAILURE FACTOR(S) PERSONNEL - PRODUCTION-DESIGN-PERSONNEL POOR/INADEQUATE DESIGN EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIPT.  DIRECTIONAL CONTROL PROBLEM REMARKS- INADVERTANT AND/OR UNRECOGNIZED ROTOR SYSTEM OVER SPEED. NO.4 TAIL ROTOR DRIVE SHFT CRIT. SPD. LOH									
3-2324	TIME - 0808  DEPARTURE POINT CAMERON, LA	<b>I</b> T	RELL 205-A1 NB167J DAMAGE-DESTROYED INTENDED DESTINATION WEST CAMERON 266	PX- 11	•	0 0	AIR TAXI-PASSG	COMMERCIAL, AGE 47, 7206 TOTAL HOURS, 229 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF ACCIDE	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE									
	PROBABLE CAUSE(S) AIRFRAME - FUSELAGE OTHER ROTORCRAFT - MISCELLANEOUS UNITS AND ASSEMBLIES TAIL BOOMS/PYLONS/CONES MISCELLANEOUS ACTS.CONDITIONS - FATIGUE FRACTURE FACTORIS) MISCELLANEOUS ACTS.CONDITIONS - SEPARATION IN FLIGHT										
	MISCELLANEOUS ACTS.CONDITIONS - SEPARATUR IN PLIGHT MISCELLANEOUS ACTS.CONDITIONS - AIRCRAFT CAME TO REST IN MATER REMARKS- TAIL BOOM/FUSELAGE ATTACH FITTINGS FAILED. PLT & 4 PAX NOT RECOVERED.PRESUMED FATAL.										

FILE	DATE	LOCATION	AIRCRAFT DATA	-	 RIES	-	FL I GI-		PIL(I) I) A TA
3-3748	12/28/76 GULF OF MEXICO TIME - 0735 DEPARTURE POINT PATTERSON.LA		RELL 206B N49667 DAMAGE-SUBSTANT [AL INTENDED DESTINATION LOCAL	CK-	_	-	NONCOMME CORPZEXE		CUMMERCIAL, AGE 29, 2661 TOTAL HOURS, 1494 IN TYPE, INSTRUMENT RATEO.
	TYPE OF ACCID				LA	LANDING		ON . APPROACH E-OFF AUTOROTATIVI	E LANDING
		- FUEL SYSTEM	FUEL CONTROL TIONS - FUEL STARVATION						

MISCELLANEOUS ACTS.CONDITIONS - IMPROPER EMERGENCY PROCEDURES 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- APPROACH TO OFFSHORE OIL RIG.FLOATS NOT INFLATED.



