# U.S. DEPARTMENT OF COMMERCE National Technical Information Service PB 204 812

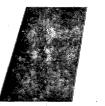
# BRIEFS OF AIRCRAFT ACCIDENTS INVOLVING ROTORCRAFT



NATIONAL TRANSPORTATION SAFETY BOARD WASHINGTON, DC

1969

			i.	
				, d The second second
ı				
	,			



PB 204 812

# BRIEFS OF AIRCRAFT ACCIDENTS INVOLVING ROTORCRAFT

U.S. GENERAL AVIATION 1969



REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

NATIONAL TRANSPORTATION SAFETY BOARD Washington, D. C. 20591

Report Number: NTSB-AMM-71-8

W = 0 (1-2)

# BRIEFS OF AIRCRAFT ACCIDENTS INVOLVING ROTORCRAFT

U.S. GENERAL AVIATION 1969

Washington, D. C. 20591

Report Number: NTSB-AMM-71-8

TECHNICAL REPORT STANDARD TITLE PAGE 1. Report No. 2.Government Accession No. 3.Recipient's Catalog No. NTSB-AMM-71-8 4. Title and Subtitle 5.Report Date BRIEFS OF AIRCRAFT ACCIDENTS INVOLVING ROTORCRAFT October 1971 6.Performing Organization U. S. GENERAL AVIATION - CALENDAR YEAR 1969 7. Author(s) 8.Performing Organization Report No. 9. Performing Organization Name and Address 10.Work Unit No. 11.Contract or Grant No. Bureau of Aviation Safety National Transportation Safety Board 13.Type of Report and Washington, D. C. 20591 Period Covered 12. Sponsoring Agency Name and Address Special Study Calendar Year 1969 NATIONAL TRANSPORTATION SAFETY BOARD Washington, D. C. 20591 14.Sponsoring Agency Code 15. Supplementary Notes 16.Abstract This publication contains statistical, cause/factor and injury tables, accident rates and the Briefs of Accidents involving Rotorcraft during calendar year 1969./ 17. Key Words U.S. Civil Aviation, Aviation Accidents, 18.Distribution Statement Crash Injuries, Injury Index, Accident Rates, Fatal Accident Rates, Damage Assessment, Statistical Data, Released to public. Aircraft Collisions, Kind of Flying, Phase of Operation, Pilot Certificate, Type of Accident, Rotorcraft. Unlimited distribution.

UNCLASSIFIED
NTSB Form 1765.2 (11/70)

(of this report)

19.Security Classification

21.No. of Pages

128

22.Price

\$3.00

20.Security Classification

(of this page)

UNCLASSIFIED

# NOTICE

THIS DOCUMENT HAS BEEN REPRODUCED FROM
THE BEST COPY FURNISHED US BY THE SPONSORING AGENCY. ALTHOUGH IT IS RECOGNIZED
THAT CERTAIN PORTIONS ARE ILLEGIBLE, IT
IS BEING RELEASED IN THE INTEREST OF MAKING AVAILABLE AS MUCH INFORMATION AS
POSSIBLE.

# FOREWORD

This report contains the Briefs of Accidents involving Rotorcraft occurring in 1969. There were 277 accidents involving Rotorcraft out of a total of 4,767 General Aviation accidents in 1969. The total accident rate is 35.58 and the fatal accident rate is 4.37 per 100,000 hours flown.

Variations in utilization of different makes and models of aircraft may vary the flight regime and alter operational conditions to an extent that reflects in the accident rates. Care should be taken to consider all factors involved in using the rates displayed for the various makes and models in the U. S. General Aviation studies.

Collisions between aircraft are treated as one accident. A complete analysis and coding is done on each aircraft involved in collisions. This produces two aircraft accident records, one for each aircraft involved in the collision. Consequently, when compiling information on accidents involving collisions between aircraft, the number of accidents records will exceed the number of accidents. The injury and cause/related tables show the number of accidents. All analytic tables show both records and accidents.

The Briefs of Accidents contain the essential items of information which fulfill the requirements of the majority of persons using these reports. However, for those having a need for more detailed information, the original factual reports on each accident are on file in the Washington office of the National Transportation Safety Board. Upon request these reports will be reproduced commercially at an average cost of 15¢ per page for printed matter and 75¢ per page for photographs, plus postage. (Minimum Charge \$1.00).

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 materials will also involve a \$2.00 user service charge by the Board for special service. 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.

Request for reproduction should be forwarded to the:

NATIONAL TRANSPORTATION SAFETY BOARD Office of General Manager Accidents Inquiries & Records Section Washington, D. C. 20591

# EXPLANATORY NOTES

# Type of Accident:

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

# Phase of Operation:

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

# First and Second Type of Accident:

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

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

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

### First and Second Phase of Operation:

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

### Cause and Related Factors:

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

# LIST OF ABBREVIATIONS USED IN BRIEFS

# ABBREVIATIONS

# MEANING

	AERIAL ADVERTISE	AERIAL ADVERTISING
	AFRIAL APPLIC	AERIAL APPLICATION
	AIR SHOW/RACING	AIR SHOW/AIR RACING
	AIR TAXI - CARGO	AIR TAXI- CARGO OPERATIONS
	AIR TAXI - PASSG	AIR TAXI - PASSENGER OPERATIONS
	ASSOC FIRE CTL	ASSOCIATED FIRE CUNTROL ACTIVITIES
	CARGO NS-D	NONSCHEDULED/CHARTER REVENUE CARGO - DOMESTIC
	CARGO NS-I CARGO S-D	NONSCHEDULED/CHARTER REVENUE CARGO - INTERNATIONAL
	CARGO S-D	SCHEDULED DOMESTIC CARGO SERVICE
	CARGO S-I CONSTRUCTION	SCHEDULED INTERNATIONAL CARGO SERVICE
	CONSTRUCTION	CONSTRUCTION WORK
	CORP/EXEC	CORPORATE/EXECUTIVE
	CR-	CREW
		CONTRACT CHARTER - CARGO - DOMESTIC
	CTR CARGO - I	CONTRACT CHARTER - CARGO - INTERNATIONAL
		CONTRACT CHARTER - PASSENGER - DOMESTIC
	CTR PASSG - D CTR PASSG - I MAPPING/PHOTO	CONTRACT CHARTER - PASSENGER - INTERNATIONAL
	MAPPING/PHOTO	AERIAL MAPPING PHOTOGRAPHY
	MIL/CTR CARGO	MILITARY CONTRACT - CARGO
	MLI/CTR CARGO D	MILITARY CONTRACT - CARGO - DOMESTIC
	MIL/CTR CARGO I	MILITARY CONTRACT - CARGO - INTERNATIONAL
	MIL/CTR PASSG	MILITARY CONTRACT - PASSENGER
	MII/CTR PASSG D	MILITARY CONTRACT - PASSENGER - DOMESTIC
	MIL/CTR PASSG I	MILITARY CONTRACT - PASSENGER - INTERNATIONAL
	NS CTR CARGO	NONSCHEDULED/CHARTER REVENUE CARGO - INTRA-STATE CARRIER
	NS CTR PASSG	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE CARRIES
	OT'-	OTHER AIRCRAFT AND GROUND
	OTHER PUBLIC	ALL OTHER PUBLIC FLYING
	I'AR A JUMP	PARACHUTE JUMP
	PASSG NS-D	NONSCHEDULED/CHARTER REVENUE PASSENGER - DOMESTIC
	PASSG NS-I	NONSCHEDULED/CHARTER REVENUE PASSENGER - INTERNATIONAL
		SCHEDULED DOMESTIC PASSENGER SERVICE
	PASSG S-I	SCHEDULED INTERNATIONAL PASSENGER SERVICE
	PX-	PASSENGER
	DCHED CARGO SRV	SCHEDULED CARGO SERVICE SCHEDULED PASSENGER SERVICE
	TIME	LOCAL STANDARD TIME OF ACCIDENT
	MBL,	WEATHER BUREAU PERSONNEL
٠	FSP -	FLIGHT SERVICE PERSONNEL

#### INJURIES, ACCIDENTS ROTORCRAFT U.S.GENERAL AVIATION 1969

#### INJURIES

FATAL	SERIOUS					
	3EN1003	MINOR	NONE	UNKNOWN		TOTAL
29	24	42	182			277
1	1		5			7
		1	13			14 1
			•			•
				•		
1		1	1			3
21	13	28	122			184
				_		
52	38	72	324		ABOARD	486
1	1		_			2 9
1	4	2	2			9
E.	43	74	224			497
	1 21 52	1 1 21 13 52 38 1 1 1 4	1 1 1 21 13 28 52 38 72 1 1 1 4 2	1 1 5 1 13 1 21 13 28 122 52 38 72 324  1 1 1 4 2 2	1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 5 1 13 1 21 13 28 122  52 38 72 324 ABOARD  1 1 1 1 2 2

INVOLVES 277 TOTAL ACCIDENTS INVOLVES 34 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.

# KIND OF FLYING BY PILOT CERTIFICATE

<u>P</u>	LOT CERTIFICAT	<u>i E</u>
		- Mark
	.519	· ' 45.
	CIAL ELIMA	CIAL META.
TENT ATE MER	STE! MER	, 41. "
STUDENT PRIVATE OMME	CIAL PRIVATE COMMEN	CIAL PLINSTR
	•	- `

					351	٠, ١	1. No.	,	0		
	خ	٠.	ور	CIAL PRIV	A.E. P. HAST	KCIAL'	MSIK	UNITED WIT	PIEL		
KIND OF FLYING	ETUDET	PRIVATE	OWNE	10 an	ATE OMME	41 6	THER NOW	UNIAL BE	RECORDS	ACCIDENTS	PERCENT
KIII J. C. T. C.	•			•	•	•	, <del>4</del>	~			
INSTRUCTIONAL											
DUAL					11	2	1		14	14	5.05
SOLO		2							2	2	•72
CHECK		1	1						2	2	.72
TRAINING	8		1						9	9	3.25
NONCOMMERCIAL											
PLEASURE	5	7	5		2		-3		22	22	7.94
PRACTICE .	1	1	4		2				8	8	2.89
BUSINESS		9	7		3	1			20	20	7.22
CORPORATE/EXECUTIVE			2	1	3				6	6	2.17
AERIAL SURVEY			1						1	1	.36
COMPANY FLIGHT											
OTHER											
COMMERCIAL											
AERIAL APPLICATION			19		8				27	· 27	9.75
ASSOCIATED CROP CONTROL ACTIV			15		5				20	20	7.22
FIRE CONTROL			2		2				4	4	1.44
ASSOCIATED FIRE CONTROL ACTIV			3		1				4	4	1.44
AERIAL MAPPING/PHOTOGRAPHY			3		2				5	5	1.81
AERIAL ADVERTISING					1				1	1	.36
POWER AND PIPELINE PATROL			6		2	1			9	9	3.25
FISH SPOTTING			1						1	1	.36
AIR TAXI-PASSENGER OPERATIONS			23		11	2			36	36	13.00
AIR TAXI-CARGO OPERATIONS			2						2	2	.72
CONSTRUCTION WORK			8		1	1			10	10	3.61
SCHEDULED PASSENGER SERVICE											
SCHEDULED CARGO SERVICE											
NONSCHEDULED/CHARTER REVENUE											
NONSCHEDULED/CHARTER REVENUE					1				1	1	.36
MILITARY CONTRACT-PASSENGER			1						1	1	.36
MILITARY CONTRACT-CARGO											1 "
CONTRACT/CHARTER-CARGO-DOMEST			1		1				2	2	.72
CONTRACT/CHARTER-PASSENGER-DO			8		2	1			11	11	3.97
CONTRACT/CHARTER-CARGO-INTERN											
CONTRACT/CHARTER-PASSENGER-IN			1		1				2	2	.72
OTHER			5		4				9	9	3.25
UNKNOWN/NOT REPORTED											

PAGE

# FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

					PILO	T CE	RTIFIC	ATE		<b>√</b> ₽.				
FIRST TYPE OF ACCIDENT		STUD	PRIN'	a <sup>te</sup> Com	AERCIAL ATR	PAINE	RTIFIC	SIR. MERCIA	el. HST	4 4 4 4	JEHO P	RECOKOS	ACC IDENTS	PERCENT
MISCELLANEOUS		٠.		•										
EXPERIMENTATION				1								1	ı	.36
TEST				7			1	1				9	9	3.25
DEMONSTRATION				3								3	3	1.08
FERRY				15	2		6					23	2.3	8.30
SEARCH AND RESCUE	\		1	1								2.	2	.72
AIR SHOW/AIR RACING					•									
PARACHUTE JUMP														
PARACHUTE JUMP IN CONNECTION .														
TOWING GLIDERS														
SEEDING CLOUDS														
HUNT ING														
POLICE PATROL				5								5	5	1.81
ALL OTHER PUBLIC FLYING	•													
OTHER				3				1	1			5	5	1.81
UNKNOWN/NOT REPORTED														
							*							
RECORDS		14	21	154	3		70	10	2	3		277		
ACCIDENTS		14	21	154	3		70	10	2	3			277	
PERCENT		5.1	7.6	55.6	1.1	•0	25.3	3.6	• 7	1.1	• 0			

# FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	O.E.	STROTED SUP	S. R. HOO. HOPE	KECOKDS	ACCIDENTS	PEKCENT
GROUND-WATER LOOP-SWERVE		2		2	2	.72
DRAGGED WINGTIP, POD, OR FLOA						
WHEELS-UP LANDING						
WHEELS-DOWN LANDING IN WATER						
GEAR COLLAPSED		1		1	1	.36
GEAR RETRACTED						
HARD LANDING		20		20	20	7.22
NOSE OVER/DOWN		2		2	2	72
ROLL OVER	7	19		26	2.6	9.39 .
OVERSHOOT						
UNDERSHOOT						
COLLISION BETWEEN AIRCRAFT						
BOTH IN FLIGHT	1			1	1	.36
ONE AIRBORNE						ŕ
BOTH ON GROUND						
COLLISION WITH GROUND/WATER						
CONTROLLED	1	7		8	8	2.89
UNCONTROLLED	15	19		. 34	34	12.27
COLLIDED WITH						
WIRES/POLES	5	17		22	27	7.94
TREES	5	2		7	7	2.53
RESIDENCE/S						
BUILDING/S .		5		5	5	1.81
FENCE, FENCEPOSTS		1		1	1	.36
ELECTRONIC TOWERS						
RUNWAY OR APPROACH LIGHTS						
AIRPORT HAZARD						
ANIMALS						
CROP		2		2	2	•72
FLAGMAN LOADER						
DITCHES		2		2	2	.72
SNOWBANK		3		3	3	1.08
PARKED AIRCRAFT						
AUTOMOBILE		1		1	1	.36
DIRT BANK						
OBJECT		7		7	. 7	2.53
BIRD STRIKE		1		1	1	.36

PAGE VII

# FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

# AIRCRAFT DAMAGE

DESPOYED STANTAL HOME

FIRST TYPE OF ACCIDENT	OFS	AC SUB	MINO	HOHE		•	RECORDS	ACC IDENTS	PERCENT
STALL									
SPIN									
SPIRAL									
MUSH									
FIRE OR EXPLOSION									
IN FLIGHT									·
ON GROUND									
AIRFRAME FAILURE									,
IN FLIGHT	1						1	1	.36
ON GROUND	1						1	1	.36
ENGINE TEARAWAY									
ENGINE FAILURE OR MALFUNCTION	16	55					71	71	25.63
PROPELLER/ROTOR FAILURE									
PROPELLER									•
TAIL ROTOR	4	7			•		11	11	3.97
MAIN ROTOR	1	2					3	3	1.08
PROPELLER/ROTOR ACCIDENT TO P		2		1			3	3	1.08
JET INTAKE/EXHAUST ACCIDENT T									
PROPELLER/JET/ROTOR BLAST									
TURBULENCE									
HAIL DAMAGE TO AIRCRAFT									
LIGHTNING STRIKE									
EVASIVE MANEUVER									
UNCONTROLLED ALTITUDE DEVIATI									
DITCHING									
MISSING AIRCRAFT, NOT RECOVER									
MISCELLANEOUS/OTHER	12	29					41	41	14.80
UNDETERMINED	1						1	1	•36
OTHER									
RECORDS	70	206		1			277		
ACCIDENTS	70	206		1				277	
PERCENT	25.3	74.4	• 0	• 4					

# FIRST PHASE OF OPERATION BY INJURY INDEX

INJURY INDEX

FIRST OPERATIONAL PHASE	4010	SERIC	MIN	NON.	<b>€</b> 	OKOS	ACCIDENTS	PERCENT
STATIC								
STARTING ENGINE/S							•	
IDLING ENGINE/S								
ENGINE KUNUP								
IDLING ROTORS		4	1	4		9	9	3.25
PARKED-ENGINES NOT OPERATING								
OTHER				1		1	1	.36
TAXI								
TO TAKEOFF					·			
FROM LANDING								
OTHER								
GROUND TAXI TO TAKEOFF				1		1	. 1	.36
GROUND TAXI FROM LANDING								
GROUND TAXI, OTHER				3		3	3	1.08
AERIAL TAXI TO TAKEOFF				1		1	1	.36
AERIAL TAXI TO/FROM LANDING				3		3	3	1.08
AERIAL TAXI, OTHER			1	3		4	4	1.44
TAKEOFF								
RUN				2		2	2.	.72
INITIAL CLIMB	2	4	7	1.9		32	32	11.55
VERTICAL		1	3	4		8	8	2.89
· RUNN ING		1		1		2	2	•72
ABORTED								
ABORTED .				2		2	2	.72
ABORTED			1	1		2	2	.72
OTHER			1			1	1	•36
INFL IGHT								
CLIMB TO CRUISE			1	1		2	2	.72
NORMAL CRUISE	15	8	10	33		66	66	23.83
DESCENDING				2		2	2	.72
HOLDING								
HOVERING	1		1	8		10	10	3.61
POWER-ON DESCENT	1			1		2	2	.72
AUTOROTATIVE DESCENT								
ACROBATICS								
BUZZING								
UNCONTROLLED DESCENT	4	7	3	11		25	25	9.03

PAGE IX

# FIRST PHASE OF OPERATION BY INJURY INDEX

## INJURY INDEX

FIRST OPERATIONAL PHASE	FATA	SERI	MIN	HOH'S	RECORDS	ACC IDENTS	PERCENT
EMERGENCY DESCENT							
LOW PASS				1	ı	1	.36
OTHER	4		1	1	6	6	2.17
EN ROUTE TO TREAT CRGP				1	ı	ı	.36
EN ROUTE TO RELOADING AREA		1		2	3	3	1.08
SURVEY FIELD/AREA							
STARTING SWATH RUN				1	1	ı	.36
SWATH RUN	1	1	1	14	17	17	6.14
FLAREOUT FOR SWATH RUN				1	1	1	.36
PULLUP FROM SWATH RUN				2	2	2	.72
PROCEDURE TURNAROUND	2	1	1	2	6	6	2.17
CLEANUP SWATH				1	1	1	.36
MANEUVER TO AVOID OBSTRUCTION							
RETURN TO STRIP	1			1	2	2	•72
L AND ING	•						
TRAFFIC PATTERN-CIRCLING	1		1	2	4	4	1.44
FINAL APPROACH			2	5	7	7	2.53
INITIAL APPROACH							
FINAL APPROACH							
LEVEL OFF/TOUCHDOWN	1			2	3	3	1.08
ROLL							
ROLL-ON/RUN-ON				1	1	ı	•36
POWER-ON LANDING			3	14	17	17	6.14
POWER-OFF AUTOROTATIVE LANDIN		1	2	20	23	23	8.30
GO-AROUND			1		ı	1	.36
MISSED APPROACH							
OTHER				1	1	1	.36
UNKNOWN/NOT REPORTED	1				1	1	.36
RECORDS	34	29	41	173	277		•
ACCIDENTS	34	29	41	173		277	
PERCENT	12.3	10.5	14.8	62.5			

#### ROTORCRAFT U. S. GENERAL AVIATION

1969

INVOLVES 277 TOTAL ACCIDENTS
INVOLVES 34 FATAL ACCIDENTS

	FAT	AL ACCID	ENTS		TAL ACCI		ALL ACCIDENTS			
BROAD CAUSE/FACTOR	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	
PILOT	19 55.88	1 2.94	19 55.88	175 72.02	7 2.88	177 72.84	194 70.04	8 2.89	196 70.76	
PERSONNEL	6 17.65	3 8.82	7 20•59	22 9.05	3 1•23	25 10•29	28 10•11	6 2 <b>.</b> 17	32 11.55	
AIRFRAME	•00	.00	•00	1 •41	.00	1 •41	1 •36	.00	.36	
LANDING GEAR	•00	• 00	•00	2 •82	• 00	2 •82	2 •72	.00	.72	
POWERPLANT	2 5.88	•00	2 5.88	38 15.64	•00	38 15.64	40 14.44	•00	40 14.44	
SYSTEMS	1 2•94	•00	1 2.94	3 1.23	2 •82	5 2.06	. 4 1.44	2 •72	6 2.17	
INSTRUMENTS/EQUIPMENT AND ACCESSORIES	1 2•94	•00	1 2.94	1 •41	l •41	2 •82	2 •72	1 •36	3 1.08	
ROTORCRAFT	9 26.47	• 00	9 26•47	23 9•47	1 •41	24 9.88	32 11.55	1 •36	33 11•91	
AIRPORTS/AIRWAYS/FACILITIES	.00	•00	•00	2 •82	.00	2 •82	. 72	• 00	.72	
WEATHER	3 A•82	2 5.88	5 14•71	6 2.47	24 9.88	30 12.35	9 3•25	26 9.39	35 12.64	
TERRAIN	4 11•76	2 5.88	6 17.65	34 13.99	21 8.64	55 22.63	38 13.72	23 8.30	61 22.02	
MISCELLANEOUS	3 8•H2	• 00	3 8.82	10 4•12	1 •41	11 4.53	13 4.69	1 •36	14 5.05	
UNDETERMINED	6 17.65	.00	6 17.65	10 4.12	• 00	. 10 4.12	16 5.78	•00	16 5.78	

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

<sup>\* 1</sup>F AN ACCIDENT INCLUDES AOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

#### ROTORCRAFT U. S. GENERAL AVIATION

1969

INVOLVES 277 TOTAL ACCIDENTS
INVOLVES 34 FATAL ACCIDENTS

	FAT	AL ACCID	ENTS		TAL ACCI		Λ[	L ACCIDE	NTS
DETAILED CAUSE/FACTOR	CAUSE	FAC TOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
** PILOT **									
PILOT IN COMMAND ATTEMPTED OPERATION M/KNOWN DEFICIENCIES IN EQUIPMENT ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL CONTINUED VER FLIGHT INTO ADVERSE MEATHER CONDITIONS DIVERTED ATTEMPTION FROM OPERATION OF AIRCRAFT FAILED TO SEE AND AVOID OTHER AIRCRAFT FAILED TO SEE AND AVOID ODJECTS ON OASTRUCTIONS FAILED TO SET AND AVOID OBJECTS ON OASTRUCTIONS FAILED TO BOTAIN/MAINTAIN FLYING SPEED FAILED TO HAINTAIN ADEQUATE ROTOR RPM FAILED TO FOLLOM APPROVED PROCEDURES, DIRECTIVES ETC IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS IMPROPER OPERATION OF FLIGHT CONTROLS IMPROPER IN-FLIGHT DECISIONS OR PLANNING IMPROPER IN-FLIGHT PREPARATION AND/OR PLANNING INADEQUATE SUPERIGHT PREPARATION AND/OR PLANNING INADEQUATE SUPERVISION OF FLIGHT LACK OF FAMILIARITY MITH AIRCRAFT MISMANACEMENT OF FUEL EXERCISED POOR JUDGMENT SELECTED UNSUITABLE TERRAIN SPONTANEOUS-IMPROPER ACTION MISJUDGED DISTANCE, SPEED, AND ALTITUDE MISJUDGED DISTANCE MISJUDGED STANCE MISJUDGED SPEED MISJUDGED ALTITUDE AND SPEED MISJUDGED ALTITUDE MISJUDGED MISJUDGED MISJUDGED MISJUDGED MISJUDGED MISJUDGED MISJUDGED	1 1 1 2 2 1 1 3 3 3 3	1	1 1 1 1 2 2 1 1 3 3 3 3	6 1 3 16 2 17 8 70 2 9 1 1 43 4 4 4 2 1 5 2 1 7	2 2 1 1	6 1 3 16 2 17 8 70 2 9 1 45 6 5 2 4 15 2 1 1 2	1 6 2 3 1 1 1 8 2 1 9 7 3 2 2 1 2 1 6 4 4 2 5 1 6 2 1 1 1 2 2 1 2 1 1 2 2 1 4 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 2 1 1	1 6 2 4 1 1 2 1 9 1 1 4 8 6 5 2 5 1 6 2 1 1 2 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1
FAILED TO MAINTAIN DIRECTIONAL CONTROL FAILED TO ABORT TAKEOFF Direct entries				1 2 3		1 2 3	1 2 3		1 2 3
SUBTOTAL	23	1	24	233	6	239	256	7	263
COPILOT SPONTANEOUS-IMPROPER ACTION SUBTOTAL				1		1	1		1
DUAL STUDENT FAILED TO MAINTAIN ADEQUATE ROTOR RPM IMPROPER OPERATION OF FLIGHT CONTROLS SELECTED UNSUITABLE TERRAIN MISJUDGED CLEARANCE				1 4	1	1 4 1 1	1 4	1	1 4 1 1
SUBTOTAL				6	1	7	6	1	7
CHECK PILOT IMPROPER OPERATION OF FLIGHT CONTROLS SPONTANEOUS-IMPRUPER ACTION				1 1		1	1		1
SUBTOTAL				2		2	2		2
** PERSONNEL **									
FLIGHT INSTRUCTOR . INADEQUATE TRAINING OF STUDENT				2	1	3	2	1	3

PERSONNEL (CONTINUED)	FATAL ACCIDENTS				TAL ACCI		ALL ACCIDENTS		
		FACTOR			FACTOR			FACTOR	
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE(MAINTENANCE PERSONNEL) IMPROPER MAINTENANCE(OWNER PERSONNEL) INADEQUATE MAINTENANCE AND INSPECTION OTHER	2		2	6 1 6	1	6 1 6 1	я 1 6	1	6 1 6
PERATIONAL SUPERVISORY PERSONNEL INADEGUATE SUPERVISION OF FLIGHT CREW FAILURE TO PROVIDE ADEO DIRECTIVES, MANUALS, EQUIPMENT JEATHER PERSONNEL		1	1	1		1	1	1	1
RAFFIC CONTROL PERSONNEL ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS IRPORT SUPERVISORY PERSONNEL IRWAYS FACILITIES PERSONNEL		1	1					1	1
PRODUCTION-DESIGN INCORRECT FACTORY INSTALLATION POOR/INADEQUATE DESIGN OTHER	1	1	1 1 1				1 1	1	1 1 1
MISCELLANEOUS-PERSONNEL PILOT OF OTHER AIRCRAFT	1	•	1				1	•	
SPECTATOR GROUND CREWMAN PASSENGER DRIVER OF VEHICLE	1		1	1	2	1 2 3	1 1 3	2	· 1 3 3
OTHER OF VEHICLE THIRD PLLOT FLIGHT ENGINEER PISPATCHING				1		1	1		1
SUBTOTAL	6	3	9	22	4	26	28	7	35
** AIRFRAME **									
HINGS FUSELAGE									
FAIRINGS ANDING GEAR				ı		1	1		1
SKID ASSEMBLY FLIGHT CONTROL SURFACES				2		2	2		2
SUBTOTAL				3		3	3		1
** POWERPLANT **					•				
ENGINE STRUCTURE  MASTER AND CONNECTING RODS  BLOWER, IMPELLER ASSEMBLY  OTHER				5 1 2		5 1 2	5 1 2		5 1 2
IGNITION SYSTEM FUEL SYSTEM									
LINES AND FITTINGS CARBURETOR PUMPS				1		1	1 3		1
VENTS, DRAINS, TANK CAPS OTHER				1 1 1		1 1 1	1 1 1		1
UBRICATING SYSTEM LINES, HOSES, FITTINGS OOLING SYSTEM				1		ı	1		1
PROPELLER AND ACCESSORIES EXHAUST SYSTEM External Supercharger				2		2	2		ā
ENGINE ACCESSORIES ENGINE CONTROLS-COCKPIT POWERPLANT-INSTRUMENTS				_		-	•		
IISCELLANEOUS POMERPLANT FAILURE FOR UNDETERMINED REASONS DIRECT ENTRIES REDUCTION GEAR ASSEMBLY	1 1		1 1	16		16	17 1		17 1
COMPRESSOR ASSEMBLY REARING, ROTOR SHAFT COMPUSTION ASSEMBLY				2		2	2		ā
TURBINE ASSEMBLY WHEEL, TURBINE				1		1	1		1

			•						
POMERPLANT (CONTINUED)	FA	TAL ACCIO			TAL ACCI		ΔL	L ACCIDE	ENTS
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR			FACTOR	
ACCESSORY DRIVE ASSEMBLY LUBRICATING SYSTEM FUEL SYSTEM FUEL CONTROL SAFETY SYSTEM IGNITION SYSTEM TOROUEMETER AIR BLEED EXHAUST SYSTEM THRUST KEVERSER PROPELLER SYSTEM CONSTANT SPEED DRIVE POMER LEVER PROPELLER LEVER REVERSE THRUST LEVER				2		2	2		2 .
ENGINE INDICATING EQUIPMENT ENGINE INSTALLATION									
SUBTOTAL	2		2	39		39	41		41
** SYSTEMS **									
ELECTRICAL SYSTEM GENERATORS/ALTERNATORS HYDRAULIC SYSTEM RESERVOIR, LINES, FITTINGS RELIEF VALVE FLIGHT CONTROL SYSTEMS FLIGHT CONTROL BOOST SYSTEM (HYDRAULIC) ANTI-ICING, DE-ICING SYSTEMS AIR CONDITION, HEATING AND PRESSURIZATION AUTO PILOT	1		. 1	1 1 2	1	1 1 1 3	1 1 3	1	1 1 1
FIRE MANNING SYSTEM FIRE EXTINGUISHER SYSTEM OXYGEN SYSTEM OTHER SYSTEMS SUBTOTAL	1		1	4	2	6	5	2	7
** INSTRUMENTS/EQUIPMENT AND ACCESSORIES **	•		•	•	2	Ü	,	~	,
FLIGHT AND NAVIGATION INSTRUMENTS COMMUNICATIONS AND NAVIGATION EQUIPMENT HISCELLANEOUS EQUIPMENT SPRAY, DUSTING EQUIPMENT PICK-UP EQUIPMENT OTHER DIRECT ENTRIES	1		1	1 1	1	1 1 1	1 1 1	1	1 1 1
SUBTOTAL	1		1	2	1	3	3	1	4
** ROTORCRAFT **									
ROTOR ASSEMBLIES TAIL ROTOR BLADES MAIN ROTOR HEAD ASSEMBLIES BEARINGS OTHER TRANSMISSION ROTOR DRIVE SYSTEM	2		2	1 1 2 I		1 1 2 1	3 1 2 1		3 1 2 1
FREE MHEEL UNIT MAIN MOTOR PULLEYS, BELTS TAIL KOTOR DRIVE SHAFT ASSEMBLY TAIL KOTOR GEAR BOX CLUTCH ASSEMBLY OTHER	1		1	1 4 1 1 4		1 1 4 1 1 4	l 1 5 1 1 4		1 1 5 1 1 4
FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM COLLECTIVE PITCH CONTROL SYSTEM TAIL KOTOR PITCH CONTROL SYSTEM OTHER	2 1 3 1		2 1 3 1	4 4 1	1	5 4 1	6 1 7 2	ι	7 1 7 2
MISCELLANEOUS UNITS AND ASSEMBLIES TAIL BOOMS/PYLONS/CONES				1		1	1		1

ROTORCRAFT (CONTINUED)		TAL ACCIO			TAL ACCI	DENTS	ALL ACCIDENTS			
		FACTOR			FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	
DIRECT ENTRIES	1		1				ı		1	
SUBTOTAL	11		11	27	1	28	38	1	39	
** AIRPORTS/AIRWAYS/FACILITIES **										
AIRPORT FACILITIES AIRPORT CONDITIONS HIGH VECETATION POORLY MAINTAINED RUNWAY SURFACE AIRWAYS FACILITIES				1		1	1		1	
SUBTOTAL				2		2	2		2	
** WEATHER **										
LOW CEILING		1	1		1	1		2	2	
RAIN SNOW	1	1	2		1	i i	1	1 2	· 1	
ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC	2	1	2			1	ž	2	2	
CONDITIONS CONDUCTVE TO CARB/INDUCTION SYSTEM ICING UNFAVORABLE WIND CONDITIONS	I		1	4	11	4 11	5	11	5 11	
SUDDEN WINDSHIFT					1	1		1	1	
DOWNDRAFTS + UPDRAFTS HIGH TEMPERATURE					1	1		1	1 1	
DRSTRUCTIONS TO VISION			_	_	1	ī	_	1	1	
HIGH DENSITY ALTITUDE OTHER		1	1	2	9 1	11 1	2	10 1	12 1	
SUBTOTAL	4	3	7	6	28	34	10	31	41	
** TERRAIN **										
WET, SOFT GROUND				3	3	6	3	3	6	
SHOW-COVERED				3	1	4	3	1	4	
ICY High Vegetation				1	1	1 1	1	1	1 1	
HIDDEN OBSTRUCTIONS ROUGH/UNEVEN				2	1 9	3 18	2	1 9	3 18	
HIGH OBSTRUCTIONS	4	2	6	16	6	22	2n	8	28	
SANDY OTHER				4	1 2	1 6	4	1 2	1 6	
SUBTOTAL	4	2	6	38	24	62	42	26	68	
** MISCELLANEOUS **					-					
BIRD COLLISIÓN							1			
EVASIVE MANEUVER TO AVOID COLLISION				1	1	1 5	4	1	1 5	
UNQUALIFIED PERSON OPERATED AIRCRAFT FOREIGN OBJECT DAMAGE	3		3	2		2	?		2 3	
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS				3		3	3		3	
UNDETERMINED	6		6	10		10	16		16	
SUBTOTAL	9		9	20	1	21	29	1	30	
GRAND TOTAL	61	9	70	405	68	473	466	77	543	
** MISCELLANEOUS ACTS, CONDITIONS **										
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE	1		1	4		4	5	•	5	
IMPROPER EMERGENCY PROCEDURES INATTENTIVE TO FUEL SUPPLY	ı		1	3		3	4		4	
JETTISONED LOAD	1	, 1	1 1		2	2	1	3	1 3	
STOLEN OR UNAUTHORIZED USE OF AIRCRAFT ELECTRICAL FAILURE				1	1	1 .	1	1	1 1	
ENGINE LOADED UP			_	2		2	2		2	
FATIGUE FRACTURE IMPROPER ALIGNMENT/ADJUSTMENT	ι		1	7		7 1	А 1		8 1	
SEPARATION IN FLIGHT			3	1	1	1	1	4		
SCEARALIUM IN PLIGHT		3	•		1	1		•	4	

MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)	FA1	AL ACCIO	ENTS	NONE	TAL ACCI	DENTS	ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
LATERAL IMBALANCE	1		1	2		2	3		3
FUEL EXHAUSTION	2		2	13		13	15		15
ICE-CARBURETOR	1		1	4		4	5		5
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG	1		1	3	4	7	4	4	8
INTERFERENCE WITH FLIGHT CONTROLS	1		1				1		1
WHITEOUT				1		1	1		1
SUNGLARE					1	1		1	1
LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM				1		1	1		ι
OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM SIMULATED CONDITIONS	-					1	1	_	1
HATER IN FUEL	2		2	18 5	2	20 5	20 5	2	22
AIRCRAFT CAME TO REST IN WATER		1	1	,	8	8	,	9	5
MISSING		1		5	в	5	5	9	9 5
OVERLOAD FAILURE	2		2	í	4	5	3	4	7
MATERIAL FAILURE	ī		ĩ	23	i	24	24	i	25
FUEL STARVATION	_		-	5	-	5	5	•	5
IMPROPER/INADEQUATE VENTING	1		1				,		
PREVIOUS DAMAGE	-		•	1		1			;
LEAK/LEAKAGE				i		i	;		;
DOWNWIND				i	5	6		5	
OVER TORQUED	1		1	•	,	Ū	,	,	ĭ
GROUND RESONANCE	•		•	2		2	2		;
RINDING				ī		ī	ĩ		ī
BURNED				ī		i	î		i
CROSSED				2		2	2		2
DISCONNECTED				4		4	4		4
ERRATIC					1	1		1	1
IMPROPERLY INSTALLED .	1		1	5		5	6		6
JAMMED	1		1	1		1	2		2
ORSTRUCTED DESCRIPTIONS				1	_	1	1	_	1
PRESSURE, NONE SMEARED				_	1	1	_	1	1
STUCK				2		2	2.		2
VIBRATION, EXCESSIVE				3	1	2	3		3
WARPED				;		2		ı	-
LOAD NOT JETTISONED				2	5	7	2	5	7

#### DIRECT ENTRY CAUSES

PILOT-DESCENDED DUE TO LOSS OF GRND REFERENCE LGTS PILOT-EXCEEDED ACFT CAPABILITIES ON MAX CLIMB-OUT. EQUIP-ELEC RELEASE MALFUNCTION, UN DROP MATER BAG. ROTORCFT-LOSS OF ROTOR RPM, CAUSE UNDETERMINED. PHR PLT-ENG OVERSPEED, CAUSE UNDETERMINED. PILOT-IMPROPER ENG OPERATION, OVERSPEEDING ENG.

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

#### NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20591

BRIEFS OF ACCIDENTS

INVOLVING

ROTORCRAFT

U.S.GENERAL AVIATION

1969

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT NATA
3-0014	1/7/69 SHREVEPORT, LA TIME - 1650	BELL 47G-2A N73219 DAMAGE-DESTROYED	CR- 0 0 1 MISCELLANEOUS PX- 0 0 1 TEST	S ATR,FLIGHT INSTR., AGE 45, 9500 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - DOWNTOWN TYPE OF ACCIDENT ROLL OVER		PHASE OF OPERATION LANDING POWER-OFF	AUTOROTATIVE LANDING
	PROBABLE CAUSE(S)			

MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS

REMARKS- DURING 3 FT HOVERING AUTOROTATION PLT INCREASED THROTTLE RAPIDLY AND DID NOT CORRECT FOR TORQUE.

3-0043 3/4/69 CHUGIAK, ALAS

BELL 47G-2 TIME - 1015 N6708D

CR- 0 0 1 COMMERCIAL PX- 0 0 2 AIR TAXI-PASSG COMMERCIAL, AGE 50, 13300 TOTAL HOURS, 2130 IN TYPE, NOT INSTRUMENT RATED.

TYPE OF ACCIDENT ROLL OVER

PHASE OF OPERATION LANDING POWER-ON LANDING

PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN TERRAIN - SNOW-COVERED REMARKS- SNOW PAD EQUIPPED SKIDS.RT SKID BROKE THROUGH SNOW CRUST.

DAMAGE-SUBSTANTIAL

PAGE 1

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M.	FLIGHT /N PURPOSE	PILOT DATA
	1/26/69	REDLANDS, CALIF	BELL 47G-2	CR- 0 0 PX- 0 0	1 COMMERCIAL	COMMERCIAL, AGE 24, 1150 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A ROLL OV	CCIDENT	DAMAGE - SODSTANTIAL	PHAS	E OF OPERATION NDING LEVEL OFF/TOUCH	
	FACTOR(S) WEATHER WEATHER B	N COMMAND - SELECTED	G RECEIVED			
	SKY CONDI	TION		CEIL	ING AT ACCIDENT SITE	
	UNKNOWN	/NOT REPORTED		100	no	6175
		Y AT ACCIDENT SITE OR LESS		PREC. RA	IPITATION AT ACCIDENT	211E
•		ONS TO VISION AT ACC	IDENT SITE		ERATURE-F	
	NONE WIND DIRE	CTION-DEGREES	•	00 WIND	VELOCITY-KNOTS	
	210			20		
	IYPE OF W	MEATHER CONDITIONS		NO	OF FLIGHT PLAN NE	
	REMARKS-	EMGCY TYPE OPERATION	DURING HEAVY RAIN S	TORM.LANDED (	ON MT RIDGE RIDGE GAVE	E WAY.ROLLED DOWN SLOPE.
3-0154	TIME - 11		BELL 47G2A1 N73997 DAMAGE-DESTROYED	CR- 1 0 PX- 1 0 OT- 1 1	O COMMERCIAL O AIR TAXI-PASSG O	COMMERCIAL, AGE 38, 7800 TOTAL HOURS, 950 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A	IRPORT - FAIRFAX CCIDENT ON WITH AIRCRAFT RO	TH IN FLIGHT		E OF OPEKATION NDING TRAFFIC PATTER!	N-CIRCLING
	PERSONN FACTOR(S)	N COMMAND - FAILED T EL - MISCELLANEOUS-P	O SEE AMD AVOID OTHE ERSONNEL PILOT OF O' PERSONNEL ISSUED II	THER AIRCRAF	T DNFLICTING INSTRUCTIO	NS
	CONTROL TRAFFIC CONTROL EVASIVE	S OF AVIATION INVOLV LING AGENCY - GROUND ADVISORY ISSUED - B ZONE/AREA - YES ACTION TAKEN - UNKN	OWN/NOT REPORTED	RADAI CONTI CONVI	R CTL/SURVEILLANCE - M ROLLED/UNCONTROLLED A ERGENCE ANGLE-DEGREES	NOT UNDER KADAR CONTACT IRPORT - CONTROLLED AIRPORT - 110 WARE OF CONFLICTING TFC.

		1711121	3 DI ACCIDENTS	
FILE			INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA
3-0155	1/10/69 KANSAS CITY, MO TIME - 1321	HUGHES 269R N9496F DAMAGE-DESTROYED	CR- 1 O O INSTRUCTIONAL PX- O O O TRAINING	STUDENT, AGF 34, 46 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLISION WITH GROUND/WAT	R UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED	DESCENT
	PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDIT PILUT IN COMMAND - FAILED PILOT IN COMMAND - IMPROP FIRE AFTER IMPACT REMARKS- PRACTICING AUTOROT	TO MAINTAIN ADEQUATE ER OPERATION OF FLIGHT	ROTOR R.P.M.	
3-0176	1/10/69 STOCKTON, CALIF TIME - 1515	RELL 206A N4701R DAMAGE-DESTROYED	CR- 0 0 1 MISCELLANEOUS PX- 0 0 1 FERRY	COMMERCIAL, FL.INSTR., AGE 41, 8600 TOTAL HOURS, 28 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - STOCKTON TYPE OF ACCIDENT ROLL OVER		PHASE OF OPERATION TAKEOFF VERTICAL	K4120•
		IONS - DISCONNECTED ERVICING, INSPECTION I	CH CONTROL SYSTEM  MPROPER MAINTENANCE (MAINTENANCE P  OL ROD BETWEEN POWER TAKE-OFF AND S	
3-0193	1/16/69 JACKSON,MISS TIME - 1618	RELL 47G N3096G DAMAGE-SUBSTANTIAL	77 0 0 0 7 11 20 2	COMMERCIAL, AGE 39, 4800 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - HAWKINS F TYPE OF ACCIDENT MISCELLANEOUS		PHASE OF OPERATION LANDING POWER-ON LANDIN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUD REMARKS- PLT PLACED WFIGHT		STORAGE DOLLY.DOLLY TILTED UP,CAU	SED T/R GRND STRIKE.

PAGE

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FL1GHT PURPOSE	PILOT OATA
3-0195	1/16/69 TIME - 115	DULUTH, MINN 5	RELL 2064 N4723R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	MONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 38, 1725 TOTAL HOURS, 171 IN TYPE, NOT INSTRU- MENT KATED.
	TYPE OF AC ENGINE F HARD LAN	AILURE OR MALFUNCT	ION	IN FI	DF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTORO	
	PILOT IN MISCELLA TERRAIN COMPLETE P EMERGENCY	NT - MISCELLANEOUS COMMAND - IMPROPE NEOUS ACTS,CONDITI - SNOW-COVERED OWER LOSS - COMPLE CIRCUMSTANCES - FO		MEOUT-1 ENGINE	ED REASONS	
3-0218		BENICIA, CALIF		CR- 0 0 1	MISCELLANEOUS	
	TIME - 120	0	N2170U DAMAGE-DESTROYED			TOTAL HOURS, 53 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC COLLISIO		R UNCONTROLLED		DF OPERATION LIGHT UNCONTROLLED D	ESCENT
	PILOT IN PILOT IN FACTOK(S) MISCELLA WEATHER WEATHER BR	COMMAND - IMPROPE COMMAND - IMPROPE COMMAND - FAILED	NG RECEIVED	CONTROLS ROTOR R.P.M.		
		ION NOT REPORTED AT ACCIDENT SITE		3000	G AT ACCIDENT SITE	ITE
l	5 OR OVE		CIDENT SITE	NONE	ATURE-F	
	WIND DIREC 240	TION-DEGREES		WIND VI 20	ELOCITY-KNOTS	
	TYPE OF WE	ATHER CONDITIONS			F FLIGHT PLAN	
	VFR REMARKS- P	LT TURNED DOWN WIN	ND,20K,TO AVOID CHILDE		ED TO T/O BEFORE TRAN	SLATIONAL LIFT EFFECT.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR :	IES S M/	'N	FL1GHT PURPOSE	PILOT DATA
3-0236	2/16/69 TIME - 163	GWYNEDD, PA 30 IRPORT - PACKUS HELI CCIDENT	BELL 47G-4A N4093G DAMAGE-DESTROYED	CR- PX-	0	0 0 HASE	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANS F OPERATION NG POWER-ON LANDING	PRIVATE, AGE 52, 928 P TOTAL HOURS, 147 IN TYPE NOT INSTRUMENT RATER.
	FIRE AFTER	N COMMAND - MISJUDGE R IMPACT	D CLEARANCE	OVER.				•	
3-0266	3/13/69 TIME - 169	SDUTHAVEN, MISS	RELL 47G-5 N4743R DAMAGE-SURSTANTIAL		0 0	0	1	INSTRUCTIONAL SOLO	PRIVATE, AGF 28, 209 TOTAL HOURS, 11 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A TYPE OF A MISCELL				P			F OPERATION FF VERTICAL	
	PILOT I	EL - FLIGHT INSTRUCT N COMMAND - IMPROPER	OR INADEQUATE TRAIN OPERATION OF FLIGHT NT ALLOWED T/R TO ST	CONTRO	LS			RST LIFT OFF ON FIRST SU	PERVISED SOLO FLT.
-0357	3/10/69 TIME - 120	· ·	RELL 47G N2467R DAMAGE-SURSTANTIAL		0	0	1	MISCELLANEOUS FERRY	COMMERCIAL, AGE 32, 1646 TOTAL HOURS, 116 IN TYPE NOT INSTRUMENT RATED.
	NAME OF A TYPE OF A ROLL OVE							F OPERATION NG POWER-ON LANDING	
	MISCELL FACTOR(S) WEATHER TERRAIN WEATHER BE		CONDITIONS  IG RECEIVED	OR PLA	ΝN	ING			
	SKY CONDIT	TION				UNI	ΙM	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITE	
	5 OR OVE	Y AT ACCIDENT SITE ER DNS TO VISION AT ACC	IDENT SITE			NUN		TURE-F	

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JURII F S	S M/N	FLIGHT PURPOSE	PILOT DATA
	3/11/69			CR- PX-				COMMERCIAL, AGE 33, 3500 TOTAL HOURS, 1533 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC BIRD STRI PROPELLER		L ROTOR			N FL	OF OPERATION .IGHT NORMAL CRUISE ING POWER-OFF AUTORO	
	FACTOR(S) MISCELLAN	NEOUS - BIRD COLLISI	S - SEPARATION IN FL	IGHT				
	3/15/69 TIME - 1235	SPRINGFIELD,OHIO 5	BELL 206A N4008G DAMAGE-DESTROYED	CR- PX-	0	L 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 38, 5100 TOTAL HOURS, 200 IN TYPP NOT INSTRUMENT RATED.
	TYPE OF ACC	CIDENT N WITH GROUND/WATER					OF OPERATION .IGHT UNCONTROLLED (	DESCENT
	MISCELLAN	FT - FILIGHT CONTROL NEOUS ACTS, CONDITION	SYSTEMS CYCLIC PITC S - FATIGUE FRACTUR C CONTROL DUE TO FAT	RΕ			OF K HAND CYCLIC BEL	LL CRANK SUPPORT.
3-0361		HACHITA, N MEX 5	HUGHES 269R N9368F DAMAGE-SURSTANTIAL		0	) 1	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 45, 320 TOTAL HOURS, 13 IN TYPE NOT INSTRUMENT RATED.
	TYPE OF ACC						DF OPERATION ING POWER-ON LANDING	G
	FACTOR(S) WEATHER - WEATHER - WEATHER BRI		ONDITIONS RECEIVED	CONTR	OLS			
	SKY CONDIT: CLEAR VISIBILITY	IUN AT ACCIDENT SITE				JNL II	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT S	SITE
	5 OR OVER	R NS TO VISION AT ACCI	DENT SITE		ΤΥ	NUNE	WEATHER CONDITIONS	
	NONE		CET ON ATTEMPTED IN	S ON M	IT SI	7PF - 1	ROLLED DOWN MT SIDE.	5500 FT ALT.WINDS 20K.

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JURII F S	ES M/N	FLIGHT PURPOSE	PILOT DATA
3-0516	2/9/69 NED TIME - 0945	ERLAND, TEX	RELL 47G-2 N842OE DAMAGE-SURSTANTIAL	CR- PX-	0 0	) 1	NONCOMMERCIAL PLEASURE/PERSONAL T	COMMERCIAL, AGE 24, 2483  RANSP TOTAL HOURS, 134 IN TYPE,  NOT INSTRUMENT RATED.
	TYPE OF ACCIDE COLLIDED WIT		DAMAGE - SUNSTANTIAL				OF OPERATION ING POWER-ON LANDING	
		S - UNDETERMINED	T KOTATFD,PLT SAID L	PEDA	L JAI	4M E D	•	
3-0519	2/15/69 URA TIME - 1130	CLE,ARIZ	BELL 47D1 N74090 DAMAGE-SURSTANTIAL	CR- PX-	0 (	) 1 ) 1	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 51, 5780 TOTAL HOURS, 118 IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF ACCIDE						OF OPERATION ING POWER-ON LANDING	
	SYSTEMS - HY MISCELLANEOU MISCELLANEOU EMERGENCY CIRC	DRAULIC SYSTEM S ACTS, CONDITION S ACTS, CONDITION UMSTANCES - PREC SUSP	SYSTEMS CYCLIC PITC RESERVOIR, LINES, FITT S - MATERIAL FAILURE S - PRESSURE, NONE AUTIONARY LANDING OF ECTED MECHANICAL DIS NT. HYDRAULIC LINE FA	INGS F AIR CREPA	PORT NCY		TEM DSS OF FLUID TO CYCLI	C BOOST SYSTEM.
3-0528	2/28/69 LAC TIME - 1550	ON,ILL	RENSEN R-RM N1173 DAMAGE-SURSTANTIAL	PX-			INSTRUCTIONAL TRAINING	STUDENT, AGF 41, 263 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPOR TYPE OF ACCIDE COLLISION WI		UNCONTROLLED				OF OPERATION LIGHT UNCONTROLLED D	DESCENT
	MISCELLANEOU FACTOR(S) MISCELLANEOU MISCELLANEOU	FLIGHT CONTROL S ACTS, CONDITION S ACTS, CONDITION S ACTS, CONDITION	SYSTEMS CYCLIC PITC S - MATERIAL FAILURE S - VIRRATION, EXCESS S - OVERLOAD FAILURE TROL SYSTEM FAILED A	IVE				

FILE	DATE · LOCATION	AIRCRAFT DATA	INJURIES FLIGHT	PILOT DATA
3-0533	3/4/69 FAJARDO,PR TIME - 1415	BELL 206A N1408W DAMAGE-SURSTANTIAL	CR- 0 0 1 COMMERCIAL PX- 0 0 4 AIR TAXI-PAS	COMMERCIAL, AGE 43, 4109 SSG TOTAL HOURS, 583 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCT HARD LANDING		PHASE OF OPERATION IN FLIGHT NORMAL	
	PROBABLE CAUSE(S)  POWERPLANT - COMPRESSOR AS  MISCELLANEOUS ACTS, CONDITI  PILOT IN COMMAND - IMPROPE  COMPLETE POWER LOSS - COMPLE  EMERGENCY CIRCUMSTANCES - FO  REMARKS- REAR COMPRESSOR BEA	ONS - MATERIAL FAILURE R OPERATION OF FLIGHT TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPO	CONTROLS EOUT-1 ENGINE	
3-0541	3/13/69 AUSTIN, TEX TIME - 1730	BELL 47G-4A N1438W DAMAGE-SUBSTANTIAL	CR- 0 0 1 MISCELLANEOU PX- 0 0 2 POLICE PATRO	US COMMERCIAL, AGE 24, 815 DL TOTAL HOURS, 605 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - TIMS AIRPA TYPE OF ACCIDENT COLLISION WITH GROUND/WATE	RK R CONTROLLED	PHASE OF OPERATION IN FLIGHT HOVERIN	NG
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDG	ED ALTITUDE		CE BROKE AND T/R STRUCK GRMD.
3-0543	3/17/69 HOUMA,LA TIME - 1230		CR- 0 0 1 COMMERCIAL PX- 0 0 0 CTR PASSG-D	
	TYPE OF ACCIDENT ROLL OVER	DANIAGE SONSTANTIAL	PHASE OF OPERATION TAKEOFF VERTICAL	NOT MOTORINE WHILE
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQU REMARKS- PLT ATTEMPTED T/O F			TO R SKID.
3-0545	3/18/69 CAMDEN, ARK TIME - 1345	BELL 47G-4 N1150W DAMAGE-SUBSTANTIAL	CR- 0 0 2 MISCELLANEOU PX- 0 0 0 OTHER	US COMMERCIAL, AGE 30, 2000 TOTAL HOURS, 300 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - CAMDEN TYPE OF ACCIDENT COLLIDED WITH ORJECT		PHASE OF OPERATION TAKEOFF VERTICAL	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED REMARKS- PLT ALLOWED ACFT TO			IE DOWN CAUSED M/R TO HIT T/R.

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU		FL IGHT PURPOSE	PILOT DATA
3-0588	1/21/69 TIME - 1355	ESTACADA, DREG	HILLER UH-12E N160Z DAMAGE-DESTROYED			NONCOMMERCIAL AERIAL SURVEY	COMMERCIAL, AGE 35, 4500 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION ROLL OVER			I	IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATIV	•
	TERRAIN - TERRAIN - COMPLETE PO EMERGENCY O	NT - MISCELLANEOUS - OTHER - SNOW-COVERED OWER LOSS - COMPLETE CIRCUMSTANCES - FORC	POWERPLANT FAILURE  ENGINE FAILURE/FLA  ED LANDING OFF AIRP  APRX 5 FT OF SNOW.	MEOUT-1 ORT ON L	ENG I NE AND		
3-0601	3/7/69 TIME - 1120	MONTGOMRYVILLE,P∧ )	HUGHES 269A N8896F DAMAGE-SURSTANTIAL	PX- 0		NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 34, 833 TOTAL HOURS, 175 IN TYPE NOT INSTRUMENT RATED.
	TYPE OF ACC	WITH SNOWBANK			TAXI	F OPERATION GROUND TAXI TO TAKEOFF GROUND TAXI TO TAKEOFF	NOT INSTRUMENT RATED.
	PROBABLE CA PILOT IN		SEE AND AVOID OBJE	CTS OR O	STRUCT	TIONS	
3-0603							
3-0603	3/13/69 TIME - 1930	KINGMAN,ARIZ D	BELL 206A N4788R DAMAGE-DESTROYED	CR- 1 PX- 0		MISCELLANEOUS FERRY	
3-0603	TIME - 1930	)	N4788R DAMAGE-DESTROYED	PX- ()	O O		47, 11800 TOTAL HOURS,
3-0603	TIME - 1930  TYPE OF ACC COLLISION  PROBABLE CA PILOT IN FACTOR(S) WEATHER - WEATHER - PILOT IN WEATHER -	CIDENT N WITH GROUND/WATER  AUSE(S) COMMAND - CONTINUED - SNOW - LOW CEILING COMMAND - DIVERTED LEFING - BRIEFED BY	N4788R DAMAGE-DESTROYED  CONTROLLED  VFR FLIGHT INTO AD  ATTENTION FROM OPER FLIGHT SERVICE PERS	PX- 0  VERSE WE	O O  PHASE C IN FL  ATHER C	FERRY OF OPERATION	47, 11800 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-
3-0603	TIME - 1930  TYPE OF ACC COLLISION  PROBABLE CA PILOT IN FACTOR(S) WEATHER - WEATHER - PILOT IN WEATHER ARI WEATHER FOR  SKY CONDITI	DOCUMENT N WITH GROUND/WATER  AUSE(S) COMMAND - CONTINUED - SNOW - LOW CEILING COMMAND - DIVERTED IEFING - BRIEFED BY RECAST - UNKNOWN/NOT	N4788R DAMAGE-DESTROYED  CONTROLLED  VFR FLIGHT INTO AD  ATTENTION FROM OPER FLIGHT SERVICE PERS	PX- 0  VERSE WE  ATION OF	O O PHASE C IN FL ATHER C AIRCRA Y PHONE	FERRY OF OPERATION	47, 11800 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-
3-0603	TIME - 1930  TYPE OF ACC COLLISION  PROBABLE CA PILOT IN FACTOR(S) WEATHER - PILOT IN WEATHER ARI WEATHER FOR  SKY CONDITI	CIDENT N WITH GROUND/WATER  AUSE(S) COMMAND - CONTINUED - SNOW - LOW CEILING COMMAND - DIVERTED IEFING - BRIEFED BY RECAST - UNKNOWN/NOT LON NOT REPORTED AT ACCIDENT SITE	N4788R DAMAGE-DESTROYED  CONTROLLED  VFR FLIGHT INTO AD  ATTENTION FROM OPER FLIGHT SERVICE PERS	PX- 0  VERSE WE  ATION OF	0 0 PHASE CIN FL ATHER C AIRCRA Y PHONE CEILING	FERRY OF OPERATION IGHT NORMAL CRUISE CONDITIONS	47, 11800 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-
3-0603	TIME - 1930  TYPE OF ACC COLLISION  PROBABLE CA PILOT IN FACTOR(S) WEATHER - WEATHER - PILOT IN WEATHER ARI WEATHER FOR  SKY CONDITI UNKNOWN/N VISIBILITY 1/2 MILE OBSTRUCTION FOG	CIDENT N WITH GROUND/WATER  AUSE(S) COMMAND - CONTINUED - SNOW - LOW CEILING COMMAND - DIVERTED IEFING - BRIEFED BY RECAST - UNKNOWN/NOT LON NOT REPORTED AT ACCIDENT SITE	N4788R DAMAGE-DESTROYED  CONTROLLED  VFR FLIGHT INTO AD  ATTENTION FROM OPER FLIGHT SERVICE PERS REPORTED	PX- O VERSE WE ATION OF	O O  PHASE CIN FL  ATHER C  AIRCRA Y PHONE 100 PRESIPI ESIPI TEMPERA 35	FERRY  OF OPERATION OF OPERATION OF OPERATIONS  FT  AT ACCIDENT SITE TATION AT ACCIDENT SITE	47, 11800 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ	UR I S	ES M/	N	FLIGHT PURPOSE	PILOT DATA
3-0639	2/8/69 TIME - 16	PROVO,UT 500	RELL-CARSON 47G N868Z DAMAGE-SURSTANTIAL	CR- (	0 0	0 0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRAN	NO CERTIFICATE, AGE 39, SP 366 TOTAL HOURS, 2 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A TYPE OF A ROLL OV							OPERATION AERIAL TAXI, OTHER	·
	PILOT I	CAUSE(S) N COMMAND - ATTEMPTED N COMMAND - IMPROPER PLT ATTEMPTED TO LIFT	OPERATION OF FLIGHT	CONTRO	LS				
3-0645		MEDFORD, OREG	HILLER UH-12E N9732C DAMAGE-SUBSTANTIAL		ი 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 28, 1608 TOTAL HOURS, 1050 IN TYPE, NOT INSTRUMENT RATED.
		CCIDENT . D WITH WIRES/POLES						F OPERATION IGHT SWATH RUN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS								
	KIND OF GLOVES CRASH F CRASH R TERRAIN	OURS IN CROP CONTROL CROP - FRUIT ORCHARD	s n	T E D	TY GO CO TA	PE GGL CKP NK/	OF ES IT 'HO	OPERATION - SPAYING CR CHEMICAL USED - LIQUID - NOT USED CRASHPAD - NOT INSTALL PPER-LOCATION - SIDES DN-AREA BEING TREATED-F	CHEMICAL-NONTOXIC
3-0674		MISSOULA, MONT	HUGHES 269B N9355F DAMAGE-SUBSTANTIAL		0 0	0 0	2 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 33, 3402 TOTAL HOURS 555 IN TYPE, NOT INSTRU-
	NAME OF A TYPE OF A HARD LA							F OPERATION NG POWER-OFF AUTOROTAT	MENT RATED.  IVE LANDING
	PROBABLE MISCELL	CAUSE(S) ANEOUS ACTS, CONDITION	S - SIMULATED CONDIT	TIONS					
	PILOT I FACTOR(S) DUAL ST	UDENT - IMPROPER OPER N COMMAND - INADEQUAT UDENT - SELECTED UNSU	E SUPERVISION OF FL:			٠			

FILE	DATE LOCATION	AIRCRAFT DATA	F S M/N	PURPOSE	PILOT DATA
3-0771	3/25/69 PATTERSON, LA TIME - 0645		CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS FERRY	
	TYPE OF ACCIDENT MISCELLANEOUS	DANAGE DESTROTED	PHASE O	F OPERATION IGHT OTHER	
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINE REMARKS- TAIL BOOM ASSY SEVER				
3-0777	5/6/69 NR.OLIKTOK, ALAS TIME - 0915	BELL 47G-2 N6701D DAMAGE-SURSTANTIAL	PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 25, 3900 TOTAL HOURS, 63 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER	CONTROLLED		F OPERATION NG ROLL-ON/RUN-ON	
	PROBABLE CAUSE(S)  MISCELLANEOUS - EVASIVE MAN PILOT IN COMMAND - IMPROPER FACTOR(S) TERRAIN - ICY MISCELLANEOUS ACTS, CONDITION REMARKS- PLT APPLIED FULL AFT	OPERATION OF FLIGHT  NS - DOWNWIND	CONTROLS	.TH,T/R HIT GRND.SKI EG	UIPPED.TAIL WIND 10K.
3-0783	3/12/69 FORT PIERCE, FLA TIME - 1000	RELL 47G-4A N4090G DAMAGE-SURSTANTIAL	PX- 0 0 2		COMMERCIAL, AGE 46, 5582 TOTAL HOURS, 900 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES	DAMAGE-SURSTANTIAL	PHASE O	DF OPERATION IC IDLING ROTORS	NOT INSTRUMENT RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED REMARKS- LDG ON RURAL ROAD AD		LINES.ROTOR WAS	H CAUSED LINE TO WHIP,	BREAK, FALL ONTO M/R.
3-0853	4/8/69 DUNBAR,PA TIME - 1350	BELL 47G2A1 N1215W DAMAGE-SURSTANTIAL	PX- 0 0 0	COMMERCIAL FIRE CONTROL	COMMERCIAL, AGE 32, 3080 TOTAL HOURS, 202 IN TYPE, NOT INSTRUMENT RATED.
•	TYPE OF ACCIDENT COLLIDED WITH ORJECT	SAMOL SONSTANTIAL	PHASE O	F OPERATION NG POWER-ON LANDING	NOT INSTRUMENT NATION
	PROBABLE CAUSE(S) TERRAIN - HIDDEN OBSTRUCTIO REMARKS- T/R,T/R SHAFT DAMAGE		N L SKID HIT HI	DDEN ROCK CAUSING ACFT	TO PITCH UP.

	DATE	LUCATION	AIRCRAFT DATA	IN	JUR F	IES S M,	'N	FLIGHT PURPOSE		PILOT DATA
3-0859	4/18/69 TIME - 105	RED WING, MINN )	RELL 47G-2 N6729D DAMAGE-SURSTANTIAL	CR- PX-	ი ი	0	1 2	COMMERCIAL MAPPING/PHOTO		OMMERCIAL, FL.INSTR., GE 32, 718 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMEN
	TYPE OF ACC	CIDENT: WITH BUILDING(S)				-		OPERATION GHT OTHER	К	ATED.
	PILOT IN PILOT IN FACTOR(S) MISCELLA MISCELLA TERRAIN	COMMAND - INADEQUAT COMMAND - SELECTED COMMAND - IMPROPER NEOUS ACTS, CONDITION NEOUS ACTS, CONDITION - ROUGH/UNEVEN	OPERATION OF FLIGHT  NS - IMPROPERLY LOADE  NS - DOWNWIND	CONTR	OLS CRA	FT-1	ve I (		FLEW A	HEAD INTO SHED.
3-0879	TIME - 141		BELL 47G-3B N2O4Z DAMAGE-DESTROYED		0	0	1 0	NONCOMMERCIAL PRACTICE	T	COMMERCIAL, AGE 34, 675 OTAL HOURS, 7 IN TYPE, HOT INSTRUMENT RATED.
		CIDENT N WITH GROUND/WATER						OF OPERATION LIGHT UNCONTROLLED DESCENT		
		COMMAND - IMPROPER	OPERATION OF FLIGHT NAS ALLOWED TO STRIKE				RAS	SHED, SPINNING FROM APR	OX 10	FT AGL.
3-0893		ALBANY,WYO 5	RELL 47G3R1 N73285 DAMAGE-SUBSTANTIAL		0	0	1	COMMERCIAL CTR PASSG-D	4 I	TR,FLIGHT INSTR., AGE 8, 10600 TOTAL HOURS, 77 N TYPE, NOT INSTRUMENT ATED.
3-0893	TIME - 124	5				HAS	E 01	COMMERCIAL CTR PASSG-D - OPERATION IGHT HOVERING	4 I	8, 10600 TOTAL HOURS, 77
3-0893	TIME - 124  TYPE OF AC COLLIDED  PROBABLE C PILOT IN FACTOR(S)  WEATHER WEATHER WEATHER REATHER REATHER REATHER	5 CIDENT WITH SNOWBANK AUSE(S) COMMAND - MISJUDGEI	DAMAGE-SUBSTANTIAL  CLEARANCE  CONDITIONS G RECEIVED			HAS	E 01	- OPERATION	4 I	8, 10600 TOTAL HOURS, 77 N TYPE, NOT INSTRUMENT
3-0893	TIME - 124  TYPE OF AC COLLIDED  PROBABLE C PILOT IN FACTOR(S) WEATHER WEATHER WEATHER FO SKY CONDIT UNKNOWN/VISIBILITY 5 OR OVE	CIDENT WITH SNOWBANK  AUSE(S) COMMAND - MISJUDGER - SNOW - UNFAVORABLE WIND ( IEFING - NO BRIEFIN- RECAST - UNKNOWN/NO- ION NOT REPORTED AT ACCIDENT SITE R	DAMAGE-SUBSTANTIAL  CLEARANCE  CONDITIONS G RECEIVED T REPORTED		P C P	HASI IN EIL 50 REC SN	E OF	OPERATION IGHT HOVERING  AT ACCIDENT SITE TATION AT ACCIDENT SIT	4 I R	8, 10600 TOTAL HOURS, 77 N TYPE, NOT INSTRUMENT
3-0893	TIME - 124  TYPE OF AC COLLIDED  PROBABLE C PILOT IN FACTOR(S) WEATHER WEATHER REATHER FO  SKY CONDIT UNKNOWN/ VISIBILITY 5 OR OVE OBSTRUCTIO BLOWING	CIDENT WITH SNOWBANK  AUSE(S) COMMAND - MISJUDGEN - SNOW - UNFAVORABLE WIND ( IEFING - NO BRIEFING RECAST - UNKNOWN/NO'  ION .  NOT REPORTED AT ACCIDENT SITE R	DAMAGE-SUBSTANTIAL  CLEARANCE  CONDITIONS G RECEIVED T REPORTED		P C P	EIL 50 REC SN EMP	ING O IPI ERA	F OPERATION IGHT HOVERING  AT ACCIDENT SITE TATION AT ACCIDENT SITE	4 I R	8, 10600 TOTAL HOURS, 77 N TYPE, NOT INSTRUMENT

FILE		LOCATION	AIRCRAFT DATA	IN	JUR F	IES S M	/N	FLIGHT PURPOSE	PILOT DATA
3-0896	3/30/69 TIME - 16	ALDERSON + W VA	SIKORSKY S-55 N1562 DAMAGE-SUBSTANTIAL	CR- PX-	0 0	0 0	1 1	MISCELLANEOUS TEST	COMMERCIAL, AGE 29, 2123 TOTAL HOURS, 143 IN TYPE NOT INSTRUMENT RATED.
		CCIDENT WATER LOOP-SWERVE LLAPSED	DAMAGE SUBSTANTIAL		Р	TΑ	ΧI	F OPERATION GROUND TAXI, OTHER GROUND TAXI, OTHER	
	MISCELL PERSONNI FACTOR(S) PILOT II MISCELL	AFT - FLIGHT CONTROL ANEOUS ACTS,CONDITION EL - MAINTENANCE,SERV N COMMAND - INADEQUAT ANEOUS ACTS,CONDITION	IS - CROSSED VICING, INSPECTION IN TE PREFLIGHT PREPARA IS - OVERLOAD FAILURI	NADEQU FION A	ATE	M A OR	INT PLA	ENANCE AND INSPECTION	
3-0911	4/10/69 TIME - 090	BURNSVILLE,MINN 00	HUGHES 269A N8921F DAMAGE-DESTROYED	CR- PX-	0	0	1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 41, 750 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE MAIN ROTOR PROPELLER/ROTOR FAILURE MAIN ROTOR TO SELECTION IN FLIGHT NORMAL CRUISE COLLIDED WITH TREES LANDING POWER-OFF AUTOROTATIVE LANDING								
	MISCELLA MISCELLA PERSONNI TERRAIN EMERGENCY	AFT - TRANSMISSION RO ANEOUS ACTS, CONDITION ANEOUS ACTS, CONDITION EL - MAINTENANCE, SERV - HIGH OBSTRUCTIONS CIRCUMSTANCES - FORC	IS - MATERIAL FAILURE IS - LACK OF LUBRICA /ICING,INSPECTION IN CED LANDING OFF AIRPO	E FION-S NADEQU ORT ON	ATE	M A	INT	ENANCE AND INSPECTION	NE OF M/R SHAFT REARING
3 -0926	4/30/69 TIME - 12	CALARASAS,CALIF 05	BELL 47D1 NB116 DAMAGE-SUBSTANTIAL		0	0	1 2	COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 28, AOO TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A	CCIDENT ON WITH GROUND/WATER	UNCONTROLLED					F OPERATION IGHT UNCONTROLLED DE	
	PROBABLE ( PILOT II REMARKS-	N COMMAND - IMPROPER	OPERATION OF FLIGHT .AFTER MOVING OUT OF	CONTR GRND	OLS EF	FEC	T P	LT ALLOWED ACFT TO SE	TTLE WITH POWER.

FILE	DATE LOCATI	ON AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
		F BELL 47G-2	CR- 0 0 1 PX- 0 0 2		COMMERCIAL, FL.INSTR., AGE 37, 600 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT
	TYPE OF ACCIDENT ENGINE FAILURE OR M COLLIDED WITH FENC			F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROT	TATIVE LANDING
	MISCELLANEOUS ACTS, COMPLETE POWER LOSS -	INADEQUATE PREFLIGHT PREPAR CONDITIONS - WATER IN FUEL - COMPLETE ENGINE FAILURE/FL ES - FORCED LANDING OFF AIR	AMEOUT-1 ENGINE	NN ING	
3-0937	2/13/69 COMPTON,CA TIME - 1550	NLIF HILLER UH-12C N5326V DAMAGE-SUBSTANTIA	PX- 0 0 0		COMMERCIAL, FL.INSTR., AGE 39, 4220 TOTAL HOURS, 200 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AIRPORT - COM TYPE OF ACCIDENT COLLIDED WITH BUIL			F OPERATION GROUND TAXI, OTHER	
		JUDGED CLEARANCE INADEQUATE SUPERVISION OF F D GAS PIT.M/R STRUCK GAS.PIT			
3-0938	2/14/69 CHELAN, WAS TIME - 1345			INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 45, 14071 TOTAL HOURS, 6460 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLISION WITH GROU	UND/WATER CONTROLLED		OF OPERATION IGHT SWATH RUN	INSTRUCTION NATED
				T CARTWHEELED.	

FILE			AIRCRAFT DATA	F	S M	/N	PURPOSE	PILOT DATA					
		WARING, TEX		CR- 0	0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRAN						
	NAME OF A TYPE OF A ROLL OV			ı			F OPERATION AERIAL TAXI, OTHER	•					
	PILOT 1	CAUSE(S) IN COMMAND - EXERCISE ATTEMPTED TAXI DURIN		ROM PLOWE	D F	IEL	D.LOST GRND REFERENCE.R	SKID DUG INTO GRND.					
3-0940	2/25/69 TIME - 12	PANOCHE, CALIF 200	HUGHES 269B N13470 DAMAGE-SURSTANTIAL	PX- 0	0	1 2	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 43, 531 TOTAL HOURS, 185 IN TYPE, NOT INSTRUMENT RATED.					
	TYPE OF ACCIDENT  MISCELLANEOUS  GEAR COLLAPSED  DAMAGE-SUBSTANTIAL  PHASE OF OPERATION  TAKEOFF INITIAL CLIMB  LANDING ROLL-ON/RUN-ON												
	PILOT FACTOR(S WEATHER MISCELI WEATHER F WEATHER F	) R - OTHER LANEOUS ACTS,CONDITIO BRIEFING - NO BRIEFIN FORECAST - UNKNOWN/NO		E		PLA	NNING						
		SKY CONDITION UNKNOWN/NOT REPORTED					CEILING AT ACCIDENT SITE						
	5 OR O	VISIBILITY AT ACCIDENT SITE 5 OR OVER					PRECIPITATION AT ACCIDENT SITE NONE						
	NONE	IONS TO VISION AT ACC	CIDENT SITE		50	)	TURE-F						
	TYPE OF WEATHER CONDITIONS  TYPE OF FLIGHT PLAN  VFR  NONE												
	REMARKS-	PLT FAILED TO CONSID	DER NEAR GROSS WT,HIG	H HUMIDI1	Υ.	TOO	K OFF OVER TREES, ACFT S	ETTLED.					

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR I S	ES M/	N	FLIGHT PURPOSE		PILOT DATA
3-0941	2/25/69 TIME - 16	DENTON, TEX 35	BELL 47D1 N9115R DAMAGE-SUBSTANTIAL	CR- PX-	0	0 0	1 0	COMMERCIAL ASSOC CROP CTL AC	CTIVITY	COMMERCIAL, AGE 31, 2800 TOTAL HOURS, 1525 IN TYPE, NOT INSTRUMENT
	TYPE, OF A COLLIDE	CCIDENT D WITH WIRES/POLES						OPERATION GHT EN ROUTE TO	RELOADIN	RATED. G AREA
	FACTOR(S)	CAUSE(S) N COMMAND - FAILED T ANEOUS ACTS,CONDITIO		CTS OR	OBS	TRU	СТ	IONS		
	PILOT'S GOGGLES COCKPIT TANK/HO	ATA OURS IN CROP CONTROL CROP - PASTURE SEAT BELT - FASTENE - NOT USED CRASHPAD - NOT INST PPER-LOCATION - SIDE ON-AREA BEING TREATE	D-PROPERLY ALLED S		GL CR CR	PE OVE ASH ASH	OF S I HI I B	OPERATION - FERT: CHEMICAL USED - I - USED ELMET - AVAILABLE- AR - NOT INSTALLEI -TYPE - ROLLING	-USED	LIQUID) IEMICAL-NONTOXIC
3-0945	3/2/69 TIME - 12	LITCHFLD PK,ARIZ 30	BENSEN B-8M N2553 DAMAGE-DESTROYED	CR- PX-	0 0	1 0	0 0	NONCOMMERCIAL PLEASURE/PERSONAI	L TRANSP	NO CERTIFICATE, AGE UNK/NR, 5 TOTAL HOURS, ALL IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF A	IRPORT - LUKE CCIDENT ON WITH GROUND/WATER	UNCONTROLLED					OPERATION	D DESCENT	
		CAUSE(S) ANEOUS — UNDETERMINE ACFT OBSERVED PORPOI		ALT,LOS	SING	ΔL	т (	UNTIL IT STRUCK TI	HE RNWY.	
3 -0954		ABERDEEN,MD 45	BRANTLY B-2 N2114U DAMAGE-DESTROYED	CR- PX-	0 0	0 0	1 0	NONCOMMERCIAL PLEASURE/PERSONA	L TRANSP	COMMERCIAL, AGE 64, 22252 TOTAL HOURS, 252 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - ALDINO TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					ΙN	FL	F OPERATION IGHT NORMAL CRUI NG POWER-OFF AUT		
	PROBABLE CAUSE(S)  POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS  MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  FACTOR(S)  TERRAIN - ROUGH/UNEVEN  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									

			BRIEF	S OF AC	CID	FMI	F.S.		
FILE	DATE	LOCATION	AIRCRAFT DATA		UR I			FLIGHT PURPOSE	PILOT DATA
3-0955	3/31/69 LOS TIME - 0920		BELL 47J-2A N8550F DAMAGE-SUBSTANTIAL				1 NON O COR	COMMERCIAL P/EXEC	AIRLINE TRANSPORT, AGE 45, 10300 TOTAL HOURS, 5000 IN TYPE, NOT INSTRU-
	TYPE, OF ACCIDE	NT			РН	ΔSE	OF OP	ERATION	
		TOR FAILURE MAI H WIRES/POLES	IN ROTOR					NORMAL CRUISE POWER-OFF AUTOROTA	TIVE LANDING
	MISCELLANEOU MISCELLANEOU	ROTOR ASSEMBLI S ACTS, CONDITION S ACTS, CONDITION MAINTENANCE, SER	ES MAIN ROTOR HEAD AND AND AND AND AND AND AND AND AND A	ALLED			FEN ANCE	(MAINTENANCE PERS	ONNEL)
		UMSTANCES - FOR	CED LANDING OFF AIRPO	ORT ON	LAN	D			
	REMARKS- COTTE		P/ENGINE VIPRATION	I INK S	TRA	p 1	ZAWZ IN	HPLATE ASSYLING IN	ST,HIT AUTO,SUB DMGE
	KENAKKS OF TE	N 1113 HOT 1131	THE CHOIL SHIVE	21	, , , , ,		3773	TEATE ASSISEDO IN	3171111 20107300 17100
3-0986	5/2/69 FOR TIME - 0330	T WORTH, TEX	BELL 47G N16657 DAMAGE-SURSTANTIAL					COMMERCIAL ASURE/PERSONAL TRAI	HOURS, UNK/NR IN TYPE,
	NOT INSTRUMENT RATED. NAME OF AIRPORT - LUCK FIELD								
	TYPE OF ACCIDE GROUND-WATER					TA		ERATION JND TAXI, OTHER OTHER	
	PROBABLE CAUSE(S) PILOT IN COMMAND - EXERCISED POOR JUDGMENT MISCELLANEOUS - UNQUALIFIED PERSON OPERATED AIRCRAFT								
			NS - STOLEN OR UNAUT VED UNAIRWORTHY ACFT						HANGAR DOORS.
3-1076		TLE ROCK, WASH	KAMAN H-43A					MERCIAL	COMMERCIAL, AGE 37, 3900
	TIME - 1158		N2849J DAMAGE-DESTROYED	PX-	()	U	0 ASS	OC CROP CTL ACTIVI	TY TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDE COLLIDED WIT							ERATION INITIAL CLIMB	
	PROBABLE CAUSE PILOT IN COM		OPERATION OF FLIGHT	CONTRO	IL S				
	SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 350 KIND OF CROP - FOREST-TREES GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - HILLY REMARKS- ACFT ALLOWED TO SETTLE INTO TOPS OF TREES.						OF CHE ES - N PIT CRA (HOPPER	RATION - FERTILIZI MICAL USED - UNKNO DIT USED SHPAD - NOT INSTAL -LOCATION - SLING REA BEING TREATED-	WN/NOT REPORTED LFD LOADED

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA				
3-1083	4/26/69 NAPLES,FLA TIME - 1830 NAME OF AIRPORT - NAPLES	BRANTLY B-2B N1175K DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL SOLO	PRIVATE, AGE 51, 4000 TOTAL HOURS, 4 IN TYPE, INSTRUMENT RATED.				
	NAME OF AIRPORT - NAPLES TYPE.OF ACCIDENT COLLISION WITH GROUND/WA		PHASE (	DF OPERATION LIGHT UNCONTROLLED DE					
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILE PERSONNEL - FLIGHT INSTR REMARKS- CRASHED FROM HOVE	UCTOR INADEQUATE TRAIN	ING OF STUDENT						
3-1100	5/25/69 GETTYSBURG,PA TIME - 1350	RELL 47D1 N6598D DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, AGE 25, 775 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.				
	NAME OF AIRPORT - BATTLEFIELD TYPE OF ACCIDENT COLLIDED WITH TREES PHASE OF OPERATION IN FLIGHT PROCEDURE TURNAROUND								
	PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDI PILOT IN COMMAND - IMPRO FIRE AFTER IMPACT REMARKS- PRACTISING AG TUR	PER OPERATION OF FLIGHT	CONTROLS	ERTICAL BANKED TURN,ZE	RO FORWARD SPEED.				
3-1101	5/25/69 MUKLUK,ALAS TIME - 1150	RELL 204-R N1189W DAMAGE-SURSTANTIAL		COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 41, 4254 TOTAL HOURS, 1747 IN TYPE, NOT INSTRUMENT				
•	TYPE OF ACCIDENT ROLL OVER			OF OPERATION LIGHT HOVERING	RATED.				
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPRO MISCELLANEOUS ACTS, CONDI FACTOR(S)								
	MISCELLANEOUS ACTS, CONDI REMARKS- SLING OPERATION. A			•MECH DIRECTING PLT SL	ID OUT OF OPENED DOOR.				
3-1102	6/6/69 SABINE PASS,TEX	BELL 47G-2A N8472F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 32, 939 TOTAL HOURS, 280 IN TYPE, NOT INSTRUMENT RATED.				
	TYPE OF ACCIDENT ROLL OVER		PHASE	OF OPERATION ING POWER-ON LANDING					
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELEC FACTOR(S) TERRAIN - HIDDEN OBSTRUC REMARKS- ATTEMPTED LDG IN	TIONS							

PAGE 18

			DRIEFS					
FILE			AIRCRAFT DATA	ΙN	JURIES F S M	5 1/N	FLIGHT PURPOSE	PILOT DATA
3-1134	4/10/69 TIME - 0740	ST PAUL, MINN	HUGHES 269R N9486F DAMAGE-DESTROYED	CR-	0 0 0 0	1 0 SE 0	NONCOMMERCIAL BUSINESS F OPERATION IGHT UNCONTROLLED DE	TOTAL HOURS, 670 IN TYPE, NOT INSTRUMENT RATED.
	EMERGENCY C	OUS - UNDETERMINED  [RCUMSTANCES - PRECUNUS  UNUS	AUTIONARY LANDING OF UAL NOISE			ROT	ATION TO R WHEN ACFT	WAS FLARED FOR LDG.
3-1136	4/14/69 TIME - 1010		BELL 47G-4 N1143W DAMAGE-SURSTANTIAL	PX-			COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 33, 2177 TOTAL HOURS, 386 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC HARD LAND						F OPERATION NG POWER-OFF AUTOROT	. '
	EMERGENCY C	COMMAND - IMPROPER IRCUMSTANCES - PREC SUSP PROP	OPERATION OF FLIGHT AUTIONARY LANDING OF ECTED MECHANICAL DIS VENGINE VIBRATION LOUD NOISE FOLLOWED	F AIR	PORT	ON I	N T/R ASSY.	
3-1137	4/20/69 TIME - 1600		HILLER UH-12R N5104U DAMAGE-SUBSTANTIAL	CR- PX-	0 0 0 0	2	INSTRUCTIONAL DUAL	ATR, FLIGHT INSTR., AGE 39, 2903 TOTAL HOURS, 94 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIR TYPE OF ACC HARD LAND						F OPERATION NG POWER-OFF AUTOROT.	
	PILOT IN (	EOUS ACTS, CONDITION COMMAND - MISJUDGED	IS - SIMULATED CONDIT CALTITUDE RE AND POWER RECOVER				•	

PAGE 19

FILE	DATE	LOCATION	AIRCRAFT DATA		IES S M/N		FLIGHT PURPOSE		PILOT DATA	
3-1142	TIME - 18		BRANTLY B-2B N2186U DAMAGE-SUBSTANTIAL UNCONTROLLED		0 0 HASE	TRA	AINING PERATION	SCENT	HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE FACTOR(S) WEATHER - DOWNDRAFT, UPDRAFTS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED			OTOR R.P	.M.					
	5 OR OV OBSTRUCTI NONE WIND DIRE 180 TYPE OF W VFR	Y AT ACCIDENT SITE		F T h	UNLI RECIP NONE EMPER 65 IND V 15 YPE O NONE	MITE( ITAT) ATURE ELOCI	ION AT ACCIDENT SI F ITY-KNOTS IGHT PLAN	TE		

3-1145 4/26/69 LONG BEACH, CALIF TIME - 2045 HUGHES 269B N9459F

DAMAGE-SUBSTANTIAL

CR- 0 0 1 MISCELLANEOUS PX- 0 0 1 POLICE PATROL COMMERCIAL, AGE 29, 1116 TOTAL HOURS, 960 IN TYPE, NOT INSTRUMENT RATED.

NAME OF AIRPORT - LONG BEACH TYPE OF ACCIDENT

HARD LANDING

PHASE OF OPERATION

LANDING POWER-OFF AUTOROTATIVE LANDING

PROBABLE CAUSE(S)

#186FLYANEONMAAGTS, GONOLDIGENS ATTRINGLATED CONDITIONS
REMARKS- PRACTICING AUTOROTATIONS TO A FLARE, POWER RECOVERY AT NITE.

PAGE 20

t Rus

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA						
3-1154	5/3/69	ANTIOCH, ILL ·	BENSEN B-8M N11993 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 45, 35 TOTA HOURS, 29 IN TYPF, NOT INSTRUMENT RATED.						
	TYPE OF AC	NEOUS										
	ROLL OVE	К		LANUI	NG POWER-ON LANDING							
	PILOT IN FACTOR(S)	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S)  WEATHER - UNFAVORABLE WIND CONDITIONS										
	WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED											
	SKY CONDIT	ION		CEILING UNLIM	AT ACCIDENT SITE							
	5 OR OVE		CIDENT CITE	NONE	TATION AT ACCIDENT S	ITE						
	HAZE	INS TO VISION AT ACI I ITION-DEGREES	CIDENT SITE	TEMPERA 65 WIND VE	LOCITY-KNOTS							
	70 TYPE OF WE	ATHER CONDITIONS		15 TYPE OF	FLIGHT PLAN	,						
	VFR REMARKS- F	LT TURNED ACFT DOW	NWIND CLOSE TO THE GR	NONE ND AT LOW AIRSP	EED.							
3-1169	2/28/69 TIME - 173	CLINTWOOD,VA	BELL 206A N472OR DAMAGE-DESTROYED	CR- 0 1 0 PX- 2 1 0	NONCOMMERCIAL CORP/EXEC	COMMERCIAL, FL.INSTR., AGE 33, 6100 TOTAL HOURS 3100 IN TYPF, INSTRUMENT RATED.						
_		CIDENT FAILURE OR MALFUNCT WITH TREES	ION	IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTORO							
	PROBABLE O PILOT IN WEATHER	COMMAND - ATTEMPT	ED OPERATION W/KNOWN	DEFICIENCIES IN	EQU I PMENT							
	WEATHER - SNOW WEATHER - ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC. TERRAIN - HIGH OBSTRUCTIONS . COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE											
	WEATHER BR WEATHER FO EMERGENCY											
	SKY CONDIT	ION NOT REPORTED		CEILING 300	CEILING AT ACCIDENT SITE							
	VISIBILITY 1/4 MILE	AT ACCIDENT SITE OR LESS		SNOW	TATION AT ACCIDENT S SHOWERS	ITE						
		INS TO VISION AT AC	CIDENT SITE		TURE-F							
	BLOWING	SNOW EATHER CONDITIONS		38	FLIGHT PLAN	•						

FILE	•		AIRCRAFT DATA	F	S M/	N	PURPOSE	PILOT DATA					
	3/1/69	CLOQUET,MINN /NR	BENSEN R-8M N1361 DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 0	1 NO	NCOMMERCIAL EASURE/PERSONAL TRAN	STUDENT, AGE 31, 50 TOTAL ISP HOURS, O IN TYPE, NOT INSTRUMENT RATED.					
	TYPE OF ACC	RPORT - CLOQUET CIDENT WITH SNOWRANK		PHASE OF OPERATION TAKEOFF INITIAL CLIMB									
	PILOT IN FACTOR(S) WEATHER WEATHER BR	COMMAND - LACK OF	CONDITIONS NG RECEIVED	CRAFT XPERIENCE/ARILITY LEVEL									
	CLEAR VISIBILITY	VISIBILITY AT ACCIDENT SITE -5 OR OVER					CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE						
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 270				RELATIVE BEARING OF WIND RIGHT CROSS WIND 068-112 DEGREES WIND VELOCITY-KNOTS								
		ATHER CONDITIONS			10 TYPE NON		IGHT PLAN						
-1221	4/1/69 TIME - 101	GRND CANYON, ARIZ	HUGHES 269B N9442F DAMAGE-SURSTANTIAL	CR- 0 PX- 0	0 0	1 CO 2 OT	MMERCIAL HER	COMMERCIAL, FL.INSTR., AGE 26, 2206 TOTAL HOURS 881 IN TYPE, NOT INSTRU- MENT RATED.					
	TYPE OF AC MISCELLA		ELIPORT .		TAK	EOFF	PERATION INITIAL CLIMB POWER-ON LANDING	MENI KATEU.					
			JATE PREFLIGHT PREPARA SED POOR JUDGMENT	TION AND	OR F	L ANN I	NG						
	FACTOR(S) WEATHER MISCELLA WEATHER BR WEATHER FO												
	SKY CONDIT	1			UNL	IMITE		_					
	VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 210 TYPE OF WEATHER CONDITIONS				PRECIPITATION AT ACCIDENT SITE  NONE  TEMPERATURE-F  58								
					WIND 18		ITY-KNOTS IGHT PLAN	•					
	VFR		N TO MAINTAIN ROTOR RP		NON	ΙE							

FILE	DATE	LUCATIUN	AIRCRAFT DATA					FLIGHT PURPOSE	PILOT DATA	
3-1226	TIME - 16	ROSEMOUNT, MINN 00 IRPORT - SOUTHPORT	BELL 47G-2 N6716D DAMAGE-SUBSTANTIAL	-					COMMERCIAL, AGE 25, 1725 TOTAL HOURS, 496 IN TYPE NOT INSTRUMENT RATED.	
	TYPE OF A	CCIDENT		PHASE OF OPERATION LANDING POWER-OFF AUTOROTATIVE LANDING						
		ANEDUS ACTS, CONDITIO	ONS - SIMULATED CONDIT OPERATION OF FLIGHT		OL S					
3-1228	4/19/69	HATO REY,PR	HILLER UH-12C	C.R.	0	n	,	NONCOMMERCIAL	COMMERCIAL, AGE 33, 5240	
3-1220	TIME - 13	00	N5317V			0	1	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 100 IN TYPE	
3-1220	TYPE OF A		DAMAGE-SUBSTANTIAL ON		0	0 HASE TAE	1 OF SEOF	PLEASURE/PERSONAL TRANSP OPERATION F INITIAL CLIMA G FINAL APPROACH		

PAGE 23

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ F	UR	IES S M/I	N	FLIGHT PURPOSE	PILOT DATA
3-1233	4/26/69 N TIME - 130	R.LINO LAKES,MINN O	BENSEN R-8M N8322 DAMAGE-SUBSTANTIAL	CR – PX –	0	0	1 N 0 P	IONCOMMERCIAL LEASURE/PERSONAL TRANSF	STUDENT, AGF 30, 223 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	WITH DITCHES	М			TAK	EOFF	OPERATION : RUN : RUN	RAIEU.
	PILOT IN AIRPORTS FACTOR(S) WEATHER WEATHER BE	O UNSUITABLE TERRAIN TO ABORT TAKEOFF 5 - AIRPORT CONDITIONS NG RECEIVED DT REPORTED	S POOR	LY	MAI	NT A ]	NED RUNWAY SURFACE		
	SKY CONDIT CLEAR VISIBILITY 5 OR OVE OBSTRUCTIO NONE TEMPERATUR 70								
	WIND VELOO 15 TYPE OF FU NONE	IGHT PLAN	TER OF RNWY ON PVT STI	RIP∙	T	45 YPE VFR		NEATHER CONDITIONS	
3-1234	5/1/69 TIME - 010		BELL 47G N208B DAMAGE-SUBSTANTIAL	PX-	0	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 25, 1317 TOTAL HOURS, 237 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AU ENGINE I ROLL OVI	FAILURE OR MALFUNCT			Р	ΙN	FLI	OPERATION GHT SWATH RUN G POWER-ON LANDING	
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - OTHER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOI ELEVATIO	DURS IN CROP CONTROI CROP - FRUIT ORCHAI SEAT BELT - FASTENI - NOT USED CRASHPAD - NOT INS PPER-LOCATION - SID DN-AREA BEING TREAT	RDS ED-PROPERLY TALLED	N,ROWS	T G C C T S	YPE LOVE RASH RASH ERRA WATH	OF ( S - H HEI H BAH AIN- H RUI	DPERATION - SPAYING CRO CHEMICAL USED - LIQUID ( USED LMET - AVAILABLE-USED R - NOT INSTALLED TYPE - DENSE WITH TREES N-HOW FLOWN - WIND CALM TREES 25 FT APART.	

FILE				F	S M/	'N		PILOT DATA
	5/4/69 TIME - 105	CHATTANNOGA,OKLA 50	HIGGINS H-3 N61H DAMAGE-DESTROYED	CR-	0 1	0	MISCELLANEOUS . TEST	COMMERCIAL, AGE 30, 998 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC		UNCONTROLLED		TAK	EOI	F OPERATION FF INITIAL CLIMR IGHT UNCONTROLLED DESCEN	т .
	PROBABLE ( PILOT IN FACTOR(S)	CAUSE(S) N COMMAND - IMPROPER	OPERATION OF FLIGHT	CONTRO	LS			
		N COMMAND - LACK OF F AFTER LIFT OFF AT APR			RUCK F	PROI	P GUARD AND PROP.	
3-1256	5/21/69 TIME - 100	GRND CANYON, ARIZ OO	BELL 47G3B1 N73909 DAMAGE-SUBSTANTIAL				COMMERCIAL CTR PASSG-D	COMMERCIAL, AGE 28, 2263 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC ENGINE F HARD LAN	FAILURE OR MALFUNCTIO	N		IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATIV	
	PILOT IN COMPLETE A	CAUSE(S) ANT - MISCELLANEOUS N COMMAND - IMPROPER POWER LOSS - COMPLETE CIRCUMSTANCES - FORC	OPERATION OF FLIGHT ENGINE FAILURE/FLAM	CONTRO	LS ENGI		D REASONS	
3-1273	4/20/69 TIME - 154	MIDDLETOWN,OHIO	BENSEN B-8M N1493				INSTRUCTIONAL TRAINING	STUDENT, AGE 71, 40 TOTAL HOURS, ALL IN TYPE, NOT
	TYPE OF A		DAMAGE-DESTROYED				F OPERATION	INSTRUMENT RATED.
	PROBABLE (	ANEOUS - UNDETERMINED					IGHT UNCONTROLLED DESCEN	Т

							PILOT DATA
3-1274	4/20/69 TIME - 100	EUSTIS,FLA 00	HUGHES 269A N8803F DAMAGE-SUBSTANTIAL	CR- 0 PX- 0	0 1	COMMERCIAL AERIAL APPLICATI	COMMERCIAL, FL.INSTR., ON AGE 25, 278 TOTAL HOURS, 35 IN TYPE, NOT INSTRUMENT
	TYPE OF AC	CCIDENT WITH TREES				OF OPERATION LIGHT PROCEDURE TO	
	FACTOR(S) WEATHER WEATHER BR	AUSE(S) COMMAND - FAILED TO - HIGH DENSITY ALTIT RIEFING - NO HRIEFING RECAST - UNKNOWN/NOT	TUDE S RECEIVED	ROTOR K.P.	м.		
	.5 OR OVE	' AT ACCIDENT SITE	DENT SITE	PR	UNL I EC I P NONE	G AT ACCIDENT SITE MITED ITATION AT ACCIDEN ATURE-F	•
	50	TION-DEGREES EATHER CONDITIONS		W I	7	ELOCITY-KNOTS F FLIGHT PLAN	
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO PROCEDUR	OTA  DURS IN CROP CONTROL  CROP - FRUIT ORCHARD  SEAT BELT - UNKNOWN/  NOT USED  CRASHPAD - INSTALLED  PER-LOCATION - SIDES  IN-AREA BEING TREATED  RE TURNAROUND - THIRD  SETTLED INTO TREE TOP	OS YNOT REPORTED OS OFFEET - 150 O 1/3 OF TURN	T Y GL CR CR T E	PE O OVES ASH ASH RRAI	F OPERATION - SPAY F CHEMICAL USED NOT USED HELMET - AVAILABLE BAR - NOT INSTALLE N-TYPE - LEVEL,FLA RUN-HOW FLOWN - CR	LIQUID CHEMICAL-TOXIC -USED D T
3-1285	2/28/69 TIME - 114	ALDERSON; W VA	SIKORSKY S-55 N1562 DAMAGF-SURSTANTIAL		0 2 0 0	COMMERCIAL ASSOC CROP CTL A	COMMERCIAL, AGE 29, 2117 CTIVITY TOTAL HOURS, 143 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	CIDENT ON WITH GROUND/WATER		.P H		OF OPERATION LIGHT OTHER	
	PROBABLE C	AUSE(S) - SPONTANEOUS-IMPROF	PER ACTION				
	KIND OF GLOVES - COCKPIT TANK/HOP	OURS IN CROP CONTROL CROP - PASTURE	)	T Y CR CR	PE O ASH ASH	F OPERATION - FERT F CHEMICAL USED - HELMET - AVAILABLE BAR - INSTALLED N-TYPE - ROLLING	DRY CHEMICAL-NONTOXIC

are e

FILE	DATE	LUCATION	AIRCRAFT DATA	I N	JURIE FS	S M/N	FLIGHT PURPOSE		PILOT DATA	
3-1305	4/26/69 MT TIME - 1610 TYPE OF ACCIO	SAVAGE, MD	RELL 47G-2A N1200W DAMAGE-DESTROYED	CR- PX-	0 0 0 0	O SE C	COMMERCIAL FIRE CONTROL OF OPERATION LIGHT HOVERING		COMMERCIAL, AGE 32, 3130 TOTAL HOURS, 229 IN TYPE NOT INSTRUMENT RATED.	
		ITH GROUND/WATER	UNCONTROLLED				IGHT UNCONTROLLE	D DESCENT	•	
	MISCELLANEC MISCELLANEC MISCELLANEC	DMMAND - IMPROPER BUS ACTS, CONDITIO BUS ACTS, CONDITIO BUS ACTS, CONDITIO	IN-FLIGHT DECISIONS NS - IMPROPERLY LOADE NS - IMPROPER EMERGEN NS - LOAD NOT JETTISC FECT WITH OVERLOADED	D AIRO NCY PRI INED	CRAFT	-WEI RES		₹ КРМ•		
3-1308	4/29/69 ST TIME - 0700	OCKTUN,CALIF	BELL 47G3B1 NB470E DAMAGE-SUBSTANTIAL				COMMERCIAL ASSOC CROP CTL A	CLIAILA	COMMERCIAL, AGE 45, 3000 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.	
	TYPE OF ACCIE ENGINE FAIL HARD LANDIE	URE OR MALFUNCTI	ON		I	N FL	DF OPERATION IGHT EN ROUTE TO ING POWER-OFF AUT			
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL 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									
	KIND OF CRO	OP - POTATOES AT BELT - UNKNOWN	- UNKNOWN/NOT REPOR	ΓED	T YP GLO	E OF	- OPERATION - SPAY - CHEMICAL USED - - NOT USED HELMET - AVAIALABI	LIDUID CHE		
	COCKPIT CR	ASHPAD - NOT INST	ALLED OWN/NOT REPORTED		CRA	SH F	BAR - NOT INSTALLE N-TYPE - LEVEL, FLA	D		
3-1315	5/2/69 AN TIME - 1410	ARILLO,TEX	BELL 47G-2 N6744D DAMAGE-SURSTANTIAL				COMMERCIAL POWER/PIPELINE		COMMERCIAL, AGE 27, 1780 TOTAL HOURS, 251 IN TYPE NOT INSTRUMENT RATED.	
	TYPE OF ACCIN MISCELLANES HARD LANDIN	nus	_		I	N FI	DE OPERATION LIGHT NORMAL CRUI ING POWER-ON LANG			
	PROBABLE CAUS									

FILE	DATE	LOCATION	AIRCRAFT DATA	IN.	JUR =	RIES S M	/N	FLIGHT PURPOSE	PILOT DATA
3-1338	5/13/69 TIME - 220	POWELL, TEX	RELL 47D1 N7735 DAMAGE-SURSTANTIAL	CR- PX-	0	0	l l	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 20, 1012 TOTAL HOURS UNK/NR IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC ENGINE F ROLL OVE	AILURE OR MALFUNCTIO	N		Ρ	I١	FL	F OPEKATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATI	
	PROBABLE C	AUSE(S)							
	POWERPLA	NT - FUEL SYSTEM LI	NES AND FITTINGS						
	MISCELLA TERRAIN COMPLETE P EMERGENCY	NEOUS ACTS, CONDITION NEOUS ACTS, CONDITION - WET, SOFT GROUND OWER LOSS - COMPLETE CIRCUMSTANCES - FORC MAIN FUEL LINE FROM G	S - FUEL STARVATION  ENGINE FAILURE/FLAMED LANDING OFF AIRPO	BEOUT- DRT ON			NE		
3-1390	4/13/69 TIME - 110	NEW YORK, NY 00	HUGHES 269R N9370F DAMAGE-NONE	CR- PX-	0	0	1	COMMERCIAL OTHER	COMMERCIAL, AGE 25, 1825 TOTAL HOURS, 12 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	RPORT - MIDTOWN HELI CIDENT FR/ROTOR ACCIDENT TO			F	PHA: S	E (	F OPERATION C IDLING ROTORS	
		:AUSE(S) :L - MISCELLANEOUS-PE SIGHT-SEEING FLT.PX F		I OF M	/R	DUI	IN (	DEPLANING.	
3-1401	4/21/69 TIME - 072	MERCERSBURG,PA	BELL 47G N938B DAMAGE-SURSTANTIAL		0	0	1	MISCELL ANEOUS FERRY	COMMERCIAL, AGE 43, 4184 TOTAL HOURS, 80 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC MISCELLA COLLIDED		DAHAGE SONSTANTIAL		ı	ΙI	l FL	F OPERATION IGHT POWER-ON DESCENT NG FINAL APPROACH	NOT INSTRUMENT AND LOS
		COMMAND - IMPROPER					T I Oi	DURING DESCENT TO CONFI	NED AREA.
3-1424	4/4/69 TIME - 153	EAGLE RIVER,ALAS	RENSEN 8-8M N1443 DAMAGE-SURSTANTIAL	CR- PX-	0	0	1	INSTRUCTIONAL TRAINING	STUDENT, AGE 41, 1 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	IRPORT - FIRE LAKE CCIDENT ON WITH GROUND/WATER			١	РНА Т.	SE (	OF OPERATION OFF INITIAL CLIMB	INSTRUMENT RATED.
	PILOT IN	I COMMAND - IMPROPER I COMMAND - ATTEMPTED	O OPERATION BEYOND EX	KPERIE	NC	E/A		TY LEVEL HAD ATTEMPTED IN GYROPLAN	IE∙ENDORSED FOR SOLO

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-1446	5/9/69 TIME - 202	PHOENIX, ARIZ	RELL 47G N4916C DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 31, 1657 TOTAL HOURS, 93 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC	CCIDENT		PHASE O IN FL	F OPERATION IGHT SWATH RUN NG POWER-ON LANDING	
	MISCELLA	N COMMAND - INADEQUAT ANEOUS - EVASIVE MANE	UVER TO AVOID COLLIS	ION	NNING IDE ADEQ.DIRECTIVES,MA	ANUAL, EQUIPMENT
	SPECIAL DA TOTAL HO KIND OF PILOT'S GOGGLES COCKPIT TANK/HOG ELEVATIO REMARKS- N	DURS IN CROP CONTROL CROP - FRUIT ORCHARD SEAT BELT - FASTENED - NOT USFD CRASHPAD - NOT INSTA PPER-LOCATION - SIDES DN-AREA BEING TREATED	- 450 S -PROPERLY LLED -FEET - 1250 A.LOST R RPM DURNG C	KIND OF TYPE OF GLOVES CRASH H CRASH B TFRRAIN SWATH R LIMBING TURN T	OPERATION - SPAYING OF CHEMICAL USED - LIOU: - NOT USED - LIOU: ELMET - AVAIALABLE-NOTAR - NOT INSTALLED - TYPE - DENSE WITH TRIUN-HOW FLOWN - WIND COORD AVOID WIRES.UN DUMP	CROPS ID CHEMICAL-TOXIC  T USED  EES ALM LOAD,NO DUMP VALVE.
3-1495	6/1/69 TIME - 113	FAIR NAKS,CALIF 30	SKYRIDER JR-1 N4092B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	COMMERCIAL, FL.INSTR., AGE 49, 13250 TOTAL HOURS, O IN TYPE, INSTRU- MENT RATED.
	TYPE OF A	IRPORT - PHOENIX FIEL CCIDENT ON WITH GROUND/WATER		PHASE O IN FL	F OPERATION IGHT UNCONTROLLED DE:	
	PILOT IN	N COMMAND - IMPROPER N COMMAND - FAILED TO N COMMAND - ATTEMPTED	OBTAIN/MAINTAIN FLY OPERATION BEYOND EX	CONTROLS 'ING SPEED (PERIENCE/ABILI	TY LEVEL	ED R BLADES LOST LIFT.
3-1510	6/9/69 TIME - 153	KENAI,ALAS 30	BELL 47G-4A N7842S DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 24, 1815 TOTAL HOURS, 29 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF AC		DAMAGE - SUBSTANTIAL	PHASE O	F OPERATION C IDLING ROTORS	NOT INSTRUMENT RATED.
	FIRE AFTER	N COMMAND - DIVERTED R IMPACT			FT ERVE EXT LOADING,LEFT	CONTROLS UNATTENDED.

FILE	DATE	LOCATION	AIRCRAFT DATA					FLIGHT	PILOT DATA
					F	SM	/N	PURPOSE	
3-1513	6/16/69 KAEFORD,NC TIME - 1145	KAEFORD,NC 5		CR-	0	0	2	INSTRUCTIONAL DUAL	
	NAME OF AI TYPE OF AC HARD LAN KOLL OVE	IDING			ρ	LΔ	ND I	OF OPERATION NG POWER-OFF AUTOROTA NG POWER-OFF AUTOROTA	
		MEOUS ACTS, CONDIT	IONS - SIMULATED CONDIT ER OPERATION OF FLIGHT		OLS	;			
3-1524	5/12/69 TIME - 182	KENNETT,MO 20	BRANTLY B-2B N1122K DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	MISCELLANEOUS TEST	COMMERCIAL, FL.INSTR., AGE 37, 902 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMEN RATED.
		RPORT - KENNETT						•	
	TYPE OF AC ENGINE F HARD LAN	AILURE OR MALFUNC	TION		Ρ	11	FL	DF OPERATION .IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	TIVE LANDING
	PILOT IN FACTOR(S)	ANT - MISCELLANEOU	S POWERPLANT FAILURE F ER OPERATION OF FLIGHT				IINE	ED REASONS	
			ETE ENGINE FAILURE/FLAI ORCED LANDING OFF AIRPO				NE		

PAGE 30

			AIRCRAFT DATA		C M / N	DUDDOCE	PILOT DATA
3-1568	3/19/69 TIME - 183	PEWAUKEE, WIS		CR- 0 PX- 0		NONCOMMERCIAL CORP/EXEC	
	NAME OF AI	RPORT - WAUKESHA	MAMAGE-SUBSTANTIAL				NOT INSTRUMENT RATED.
	TYPE OF AC	CIDENT WITH WIRES/POLES		P		OF OPERATION LIGHT DESCENDING	
	PILOT - FACTOR(S) TERRAIN WEATHER	COMMAND - CONTINU DESCENDED DUE TO L - HIGH DRSTRUCTION - LOW CEILING			THER	CUNDITIONS	
		- OBSTRUCTIONS TO	VISION Y FLIGHT SERVICE PERSO	ONNEL TA		ON	
		DRECAST - UNKNOWN/N		UNNEL, IN	PERS	UN	
			RCED LANDING OFF AIRPO	ORT ON L	ND		
	SKY CONDIT			C		G AT ACCIDENT SITE	
	VISIBILITY	Y AT ACCIDENT SITE OR LESS		F	TE		
		ONS TO VISION AT AC	CIDENT SITE	1	NONE EMPER 33	ATURE-F	
		CTION-DEGREES		V		'ELOCITY-KNOTS	
	TYPE OF WE	EATHER CONDITIONS		1	YPE C	F FLIGHT PLAN	
	REMARKS- 1	T/R ASSY DAMAGED.LA	NDED WITHOUT FURTHER C	DAMAGE.			
3-1578	6/5/69 TIME - 204	GREENVILLE,MICH	BELL 47G N953R DAMAGE-SURSTANTIAL		0 1	MISCELLANEOUS FERRY	COMMERCIAL, AGE 43, 6156 TOTAL HOURS, 30 IN TYPE, NOT INSTRUMENT KATED.
	NAME OF A	RPORT - GREENVILLE					11.371.011.77 1.47 1.72
	TYPE OF AC		TON	P		OF OPERATION	
	HARD LAN	FAILURE OR MALFUNCT NDING	TUN			LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTA	ATIVE LANDING
	MISCELLA PILOT IN COMPLETE F	N COMMAND - INADEQU ANEOUS ACTS,CONDITY N COMMAND - IMPROPE POWER LOSS - COMPLE	ATE PREFLIGHT PREPARAT ONS - FUEL EXHAUSTION R OPERATION OF FLIGHT TE ENGINE FAILURE/FLAM RCED LANDING OFF AIRPO	CONTROLS	S NG I NE		

			INJURIES FLIGHT F S M/N PURPOSE	PILAT DATA
3-1639	5/4/69 GROVELAND, FLA TIME - 1830	BELL 47G N10175	CR- 0 0 1 MISCELLANEOUS PX- 0 0 0 TEST	COMMERCIAL, AGE 30, 2255 TOTAL HOURS, 920 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLISION WITH GROUND/WAT	R UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DE	THE THE THE TENT
	ROTORCRAFT - FLIGHT CONTRI MISCELLANEOUS ACTS, CONDIT	ERVICING, INSPECTION I DL SYSTEMS TAIL ROTOR IONS - CROSSED	MPROPER MAINTENANCE (MAINTENANCE PER PITCH CONTROL SYSTEM	
	REMARKS- FLT TEST AFTER MAI	TEMANCE. T/R CONTROL	CABLES CROSSED. ACFT MODIFIED TO EL	TOMCAT.
3-1645	5/17/69 BELLE GLADE,FLA TIME - 0730	BELL 47H-1 N7898B DAMAGE-DESTRNYED	CR- 0 0 1 COMMERCIAL PX- 0 0 0 ASSOC CROP CTL ACTIV	COMMERCIAL, FL.INSTR., ITY AGE 34, 4350 TOTAL HOURS, 2000 IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF ACCIDENT MISCELLANEOUS HARD LANDING		PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING POWER-ON LANDING	ENT RATEO
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROP	ER OPERATION OF FLIGHT	CONTROLS	
	SPECIAL DATA TOTAL HOURS IN CROP CONTR KIND OF CROP - CORN PILOT'S SEAT BELT - FASTE GOGGLES - NOT USED COCKPIT CRASHPAD - NOT IN TANK/HOPPER-LOCATION - SI ELEVATION-AREA BEING TREA REMARKS- PLT ALLOWED ACFT T	NED-PROPERLY STALLED DES TED-FEET - 17	TYPE OF CHEMICAL USED - LIQU	ID CHEMICAL-TOXIC
3-1673	1/22/69 BATAVIA,NY TIME - 1100	HUGHES 269A N8770F DAMAGE-DESTROYED	CR- 0 0 2 INSTRUCTIONAL PX- 0 0 0 CHECK	PRIVATE, AGE 39, 1125 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - GENESEE C TYPE OF ACCIDENT AIRFRAME FAILURE ON GROU		PHASE OF OPERATION STATIC OTHER	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROP CHECK PILOT - SPONTANEOUS MISCELLANEOUS ACTS, CONDIT EMERGENCY CIRCUMSTANCES - P REMARKS- FLT TEST, ACFT ALLO	-IMPROPER ACTION IONS - GROUND RESONANC ROP/ENGINE VIBRATION	•	INSTEAD OF LOWERING IT

PAGE 32

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA			
3-1716	6/21/69 TIME - 121 TYPE OF AC	TONOPAH, NEV O	RELL 206A N1465W DAMAGE-SURSTANTIAL	CR- 0 0 1 C PX- 0 0 2 C PHASE OF TAKEOFF	OMMERCIAL TR PASSG-D  OPERATION : INITIAL CLIMB : POWER-OFF AUTOROT	COMMERCIAL, AGE 28, 1781 TOTAL HOURS, 95 IN TYPE, NOT INSTRUMENT RATED.			
	MISCELLA TERRAIN COMPLETE P EMERGENCY	NT - COMPRESSOR AS NEOUS ACTS, CONDITI - ROUGHZUNEVEN OWER LOSS - COMPLE	SSEMBLY BEARING, ROTOR ONS - MATERIAL FAILUR TE ENGINE FAILURE/FLA BRCED LANDING OFF AIRP ED.	E MEOUT-1 ENGINE					
3-17.28	5/14/69 TIME - 155	ANCHORAGE, ALAS	RELL 47G-4 N7949S DAMAGE-SURSTANTIAL	CR- 0 0 1 C PX- 0 0 0 A	OMMERCIAL IR TAXI-CARGO	COMMERCIAL, AGE 32, 1642 TOTAL HOURS, 316 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF AC	AILURE OR MALFUNCT	ELD	PHASE OF IN FLIG	OPERATION HT NORMAL CRUISE POWER-OFF AUTOROT				
	MISCELLA MISCELLA PERSONNE PILOT IN COMPLETE P EMERGENCY	NT - FUEL SYSTEM NEOUS ACTS, CONDITI NEOUS ACTS, CONDITI L - MAINTENANCE, SF I COMMAND - IMPROPE OWER LOSS - COMPLE CIRCUMSTANCES - FO		NADEQUATE MAINTEN CONTROLS MEOUT-1 ENGINE ORT ON LAND					
3-1751	5/11/69 TIME - 080	LAS VEGAS, NEV	RELL 47G3R1 N1335X DAMAGE-SURSTANTIAL	PX- 0 0 0 C		COMMERCIAL, AGE 26, 2763 TOTAL HOURS, 25 IN TYPE, NOT INSTRUMENT RATED.			
		CIDENT AILURE OR MALFUNCI WITH TREES		PHASE OF IN FLIG	OPERATION HT HOVERING FINAL APPROACH	NOT INSTRUMENT RATED.			
	PROBABLE CAUSE(S)  POWERPLANT - ENGINE STRUCTURE OTHER  MISCELLANEOUS ACTS, CONDITIONS - WARPED  MISCELLANEOUS ACTS, CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT  TERRAIN - HIGH OBSTRUCTIONS  PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								

FILE .	DATE	LOCATION	AIRCRAFT DATA	INJ F	UŔI S	ES M	/N	FLIGHT PURPOSE	PILOT PATA
3-1779	6/14/69 TIME - 15	BROOMFIELD,COLO 04	BELL 47G3B1 N8541F DAMAGE-SUBSTANTIAL	CR- PX-	o o	0	1 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 26, 1709 TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF A TYPE OF A KOLL OV	IRPORT - JEFFERSON ( CCIDENT ER	COUNTY					F OPERATION FF VERTICAL	
		N COMMAND - INADEQUA	ATE PREFLIGHT PREPARA -DOWN CHAIN SECURED TO			OR I	PLA	NNING.	
3-1788	6/19/69 TIME - 12	CUMBERLAND,KY 45	RELL 47G-4A N520PA DAMAGE-SURSTANTIAL	CR- PX-	0 0	0	l l	COMMERCIAL ASSOC CROP CTL ACTIVI	COMMERCIAL, AGE 28, 2400 TY TOTAL HOURS, 1400 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A	CCIDENT D WITH WIRES/POLES						F OPERATION NG FINAL APPROACH	NA, LO.
		N COMMAND - FAILED	TO SEE AND AVOID OBJE NSPECT POWERLINES TO						
3-1796	6/28/69 TIME - 21	RICHARDSON,TEX 25	RELL 47D1 N7734 DAMAGE-SURSTANTIAL	CR- PX-	0 0	0	1 3	COMMERCIAL OTHER	COMMERCIAL, AGE 25, 1973 TOTAL HOURS, 600 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A COLLIDE	CCIDENT D WITH FENCE, FENCE						F OPERATION IGHT HOVERING	
		N COMMAND - IMPROPE	R COMPENSATION FOR WI T FAIR.DURING HOVERIN					WIND, ACFT WAS ALLOWED	TO DRIFT DOWNWIND.
3-1798	7/2/69 TIME - 08	WADESRORO,NC 45	HUGHES 269A N8853F DAMAGE-SURSTANTIAL	CR- PX-	0 0	0	1	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 24, 2150 TOTAL HOURS, 115 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A	CCIDENT D WITH WIRES/POLES						F OPERATION IGHT STARTING SWATH R	
	PROBABLE PILOT I		TO SEE AND AVOID OBJE	CTS OR	nas	STR	UC T	IONS	
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO	DATA HOURS IN CROP CONTRO CROP - COTTON SEAT BELT - FASTEN C USED CRASHPAD - NOT INS PPER-LOCATION - SID ON-AREA BEING TREAT	ED-PROPERLY TALLED		GL CH CH	YPE LOV RAS	OF ES H F	OPERATION - SPAYING C CHEMICAL USED - LIQUI - USED ELMET - AVAILARLE-USED AR - NOT INSTALLED -TYPE - LEVEL, FLAT UN-HOW FLOWN - CROSSWI	D CHEMICAL-TOXIC

FILE	DATE	<b>LUCVIIU</b> M	AIRCRAFT DATA	INJU F	RIES S M/	'N	FLIGHT PURPOSE		PILOT DATA		
	7/4/69	ONTARIO, OREG	RELL 47G-2 N9963Z DAMAGE-SURSTANTIAL	6K- 0	0 0	1 0	COMMERCIAL ASSOC CROP	CTL ACTIVITY	COMMERCIAL, FL.IMSTR., AGE 47, 3500 TOTAL HOURS, 100 IN TYPE, NOT INSTRU- MENT RATED.		
	TYPE OF ACC MISCELLAN HARD LAND	ENUS			TAK	EOF	OPERATION F INITIAL G POWER-ON		TIENT REFERE		
	MISCELLAN FACTOR(S) PERSONNEL INSTRUMEN PERSONNEL WEATHER - WEATHER BRI	COMMAND - INADEDUAT EOUS ACTS,CONDITION - MISCELLANEOUS-PE TS/EQUIPMENT AND AC	RECEIVED	D AIRCR IMAN INEOUS F	AFT-W	VĒ I GI	HT-AND/OR C				
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TYPE OF WEATHER CONDITIONS VER					CEILING AT ACCIDENT SITE  UNLIMITED PRECIPITATION AT ACCIDENT SITE  NONE TEMPERATURE-F 75 TYPE OF FLIGHT PLAN  NONE					
	KIND OF C GLOVES - CRASH HEL ELEVATION	RS IN CROP CONTROL ROP - OTHER USED MET - AVAILABLE-USE -AREA BEING TREATED			TYPE GOGGL TANK/ SWATH	OF ES HDP FRU	CHEMICAL US - NOT USED PER-LOCATION-HOW FLOWN	- WIND CALM	IEMICAL-TOXIC		
3-1802	7/12/69 TIME - 0535	FREEPORT,TEX	RELL 47J N6765D DAMAGE-SURSTANTIAL	PX- (			COMMERCIAL AIR TAXI-PA		COMMERCIAL, AGE 25, 2388 TOTAL HOURS, 882 IN TYPE, NOT INSTRUMENT RATED.		
	TYPE OF ACC HARD LAND COLLISION				LAN	NI OF	OPERATION G POWER-ON GHT UNCONT	N LANDING FROLLED DESCENT			
	PILOT IN MISCELLAN	COMMAND - IMPROPER COMMAND - INADEQUAT EDUS ACTS, CONDITION	OPERATION OF FLIGHT E PREFLIGHT PREPARA' IS - PREVIOUS DAMAGE TEMPTING T/O WITH DA	TION AND	)/OK F	_	NING				

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIE F S	S M/N	FLIGHT PURPOSE	PILOT DATA					
	6/28/69	W LAFAYETTE, OHIO	BENSEN B-8M N8059R DAMAGE-SURSTANTIAL	CR- 0 0 PX- 0 0	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSF	PRIVATE, AGE 64, 342 P TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.					
	NAME OF AIR	RPORT - TRI-CITY	_		PHASE OF OPERATION							
	MISCELLAN		,		LANDING TRAFFIC PATTERN-CIRCLING							
	COLLISION	WITH GROUND/WATER	UNCONTROLLED			IGHT UNCONTROLLED DESCEN						
	FACTOR(S)	COMMAND - FAILED TO	ORTAIN/MAINTAIN FL	YING SPEED								
		- HIGH TEMPERATURE IEFING - NO BRIEFING	PECETVED									
		RECAST - UNKNOWN/NOT										
	SKY CONDIT CLEAR	ION				G AT ACCIDENT SITE						
	VISIAILITY	AT ACCIDENT SITE		PRE	CIPI	TATION AT ACCIDENT SITE						
	5 OR OVEL	R NS TO VISION AT ACCI	DENT SITE		ONE PER A	ATURE-F						
	NONE			9	()							
	WIND DIREC 215	TION-DEGREES		1 N 1 Ni		ELOCITY-KNOTS						
		ATHÉR CONDITIONS		TYP		FLIGHT PLAN						
	REMARKS- M.	ADE DOWNWIND TURN AT	LOW AIRSPEED, LOST	LIFT.								
3-1833	5/5/69 TIME - 112		BELL 47G N1273 DAMAGE-DESTROYED			COMMERCIAL ASSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 43, 965 TOTAL HOURS, 126 IN TYPE, NOT INSTRU- MENT RATED.					
		RPORT - GENESEO										
	COLLIDED	CIDENT WITH WIRES/POLES				OF OPERATION LIGHT RETURN TO STRIP						
	PROBABLE C PILOT IN	AUSE(S) COMMAND - FAILED TO	) SEE AND AVOID OBJE	CTS OR OBST	RUCT	TIONS						
	KIND OF GLOVES - CRASH HE CRASH BA ELEVATION FIKE AFTER	URS IN CROP CONTROL CROP - OTHER USED LMET - AVAIALABLE-NO R - NOT INSTALLED N-AREA BEING TREATE!	n <b>T</b> USED D-FEET - 600	TYP G00 C00	E OF GLES KPII	F OPERATION - FERTILIZING F CHEMICAL USED - LIQUID S - NOT USED F CRASHPAD - NOT INSTALLE PPER-LOCATION - SIDES	CHEMICAL-NONTOXIC					

FILE	DATE LOCATION	N AIRCRAFT DATA	INJUR F	IES S M/N	FLIGHT PURPOSE	PILOT DATA
3-1834	5/11/69 LINDENHURST TIME - 1030	NY RELL 47G-2 N5194R DAMAGE-SURSTANTIA	CR- 0 PX- 0	0 2 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 43, 607 TOTAL HOURS, 400 IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF ACCIDENT GEAR COLLAPSED		PI		F OPERATION NG POWER-OFF AUTOROTAT	
	AIRFRAME - LANDING G MISCELLANEOUS ACTS.C	ONDITIONS - FATIGUE FRACT NCE,SERVICING,IMSPECTION	URE	MAINT	ENANCE AND INSPECTION	
3-1867	5/11/69 IDAHO SPRINI TIME - 1030	G,COLO BELL 47G3R1 N7927S DAMAGF-DESTROYED			COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 43, 6197 TOTAL HOURS, 6100 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLIDED WITH WIRES	/POLES			F OPERATION IGHT NORMAL CRUISE	RATED.
	PROBABLE CAUSE(S) PILOT IN COMMAND - F	AILED TO SEE AND AVOID OHJ	IECTS OR OB	STRUCT	IONS	
3-1922	6/30/69 NEWSOMS, VA TIME - 1500	BELL 47G N138B DAMAGF-SUBSTANTIA	PX- 0	-		COMMERCIAL, AGE 25, 958 Y TOTAL HOURS, 270 IM TYPE, NOT INSTRUMENT KATED.
	TYPE OF ACCIDENT COLLIDED WITH WIRES	/POLES	μ		F OPERATION IGHT EN KOUTE TO RELOA	DING AREA
	PROBABLE CAUSE(S) PILOT IN COMMAND - M	ISJUDGED CLEARANCE				
	SPECIAL DATA TOTAL HOURS IN CROP KIND OF CROP — OTHER PILOT'S SEAT BELT — GOGGLES — NOT USED COCKPIT CRASHPAD — II TANK/HOPPER-LOCATION SWATH RUN-HOW FLOWN REMARKS— SPRAYING WATE	FASTENED-PROPERLY NSTALLED - SINES - UPWIND	T G · C C	YPE DE LOVES RASH E RASH E	OPERATION - SPAYING CR CHEMICAL USED - LIQUID - NOT USED ELMET - AVAILABLE-USED AR - INSTALLED -TYPE - LEVEL, FLAT	

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA					
3-1935	7/14/69 HELENA,MONT TIME - 1915	RRANTLY B-2 N5987X DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 28, 40 TOTAL HOURS, 28 IN TYPE, NOT INSTRUMENT RATED.					
	ENGINE FAILURE ÓR MALFU HARD LANDING	NCT I ()N	IN FL LANDI	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA						
	PERSONNEL - MAINTENANCE	ITIONS - STUCK ITIONS - ENGINE LOADED UI ,SERVICING,INSPECTION II OPER OPERATION OF FLIGHT  PLETE ENGINE FAILURE/FLA FORCED LANDING OFF AIRPI	NADEQUATE MAINT CONTROLS MEOUT-1 ENGINE ORT UN LAND		;					
3-1964	5/4/69 SPRINGFIELD, OR TIME - 1300	EG RELL 47G-2 N7891R DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 45, 17000 TOTAL HOURS, 12000 IN TYPE, NOT INSTRUMENT RATED.					
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFU HARD LANDING	NCTI ON .	IN FL	F OPERATION IGHT SWATH RUN NG POWER-OFF AUTOROTA						
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL TERRAIN - OTHER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND									
	TYPE OF CHEMICAL USED -	TROL - UNKNOWN/NOT REPOR LIQUID CHEMICAL-NONTOXI INSTALLED SIDES EATED-FEET - 2700 LOG ON SIDE OF MT.	C GLOVES	- NOT USED						
3-1967	5/5/69 NR.VICTORVILLE, C	ALIF HILLER UH-12L N86689 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 35, 7194 TOTAL HOURS, 158 IN TYPE, NOT INSTRUMENT RATED.					
	TYPE OF ACCIDENT COLLIDED WITH WIRES/PO	N86689 DAMAGE-SUBSTANTIAL	PHASE C IN FL	F OPERATION IGHT NORMAL CRUISE						
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAIL REMARKS- INSPECTING DIST	ED TO SEE AND AVOID OBJE	CTS OR OBSTRUCT	IONS	R CABLE UNDER CONST.					

		AIRCRAFT DATA	F	S M/N	١	PURPOSE		PILOT DATA
5/5/69 NR.LIVE TIME - 1636 TYPE OF ACCIDENT MISCELLANEOUS	NGOOD, ALAS	HILLER UH-120	CR- 0 PX- 0	O 1 O 1 PHASE TAKE	L COIL ATH	MMERCIAL R TAXI-PASSG PERATION INITIAL CLIMB		COMMERCIAL, AGE 32, 1100 TOTAL HOURS, 14 IN TYPE, NOT INSTRUMENT RATED.
PILOT IN COMMA PILOT - EXCEED TERRAIN - HIGH	ND - INADEQUA ED ACET CAPAR ORSTRUCTIONS	ILITIES ON MAX CLIMB-		OR PL	. ANN I î	NG		
TIME - 1059		N1074 DAMAGE-SURSTANTIAL	CR- 0 PX- 0	0 1	L INS	STRUCTIONAL AINING	÷	STUDENT, AGF 30, 47 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES LANDING TRAFFIC PATTERN-CIRCLING								ING
PILOT IN COMMA FACTOR(S) WEATHER - UNFA WEATHER BRIEFING	ND - IMPROPER VORABLE WIND - NO BRIEFIN	CONDITIONS IG RECEIVED	OR PLANN	ING				·
	CIDENT SITE			UNL I	MITE	D	SITE	
5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE				EMPER 85	RATURI	-		
115	ו	YPE C VFR	DF WEA	ATHER CONDITION	S			
	5/5/69 NR.LIVERTIME - 1636  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH  PROBABLE CAUSE(S PILOT IN COMMAI PILOT - EXCEED TERRAIN - HIGH REMARKS - ACFT SE  5/18/69 BROOK TIME - 1059  NAME OF AIRPORT TYPE OF ACCIDENT COLLIDED WITH  PROBABLE CAUSE(S PILOT IN COMMA FACTOR(S) WEATHER BRIEFING WEATHER BRIEFING WEATHER BRIEFING WEATHER BRIEFING WEATHER FORECAST  SKY CONDITION CLEAR VISIBILITY AT ACC 5 OR OVER OBSTRUCTIONS TO NONE WIND DIRECTION -D 115 TYPE OF FLIGHT P NONE	5/5/69 NR.LIVENGOOD, ALAS TIME - 1636  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUA PILOT - EXCEEDED ACFT CAPAB TERRAIN - HIGH OBSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69 BROOKSVILLE, FLA TIME - 1059  NAME OF AIRPORT - HERNANDO CO TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER FACTOR(S) WEATHER - UNFAVORABLE WIND WEATHER BRIEFING - NO BRIEFIN WEATHER FORECAST - UNKNOWN/NO SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT NONE WIND DIRECTION-DEGREES 115 TYPE OF FLIGHT PLAN NONE	TIME - 1636  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARAT PILOT - EXCEEDED ACFT CAPABILITIES ON MAX CLIMB- TERRAIN - HIGH OBSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69 BROOKSVILLE, FLA BENSEN B-BM NIO74 DAMAGE-SUBSTANTIAL  NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 115 TYPE OF FLIGHT PLAN NONE	5/5/69 NR.LIVENGOOD, ALAS HILLER UH-12C CR- O TIME - 1636 N5330V PX- O DAMAGE-SURSTANTIAL  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/ PILOT - EXCEEDED ACET CAPABILITIES ON MAX CLIMB-OUT. TERRAIN - HIGH ORSTRUCTIONS REMARKS- ACET SETTLED.  5/18/69 BROOKSVILLE, FLA BENSEN B-BM CR- O TIME - 1059 N1074 PX- O DAMAGE-SUBSTANTIAL  NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANM FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 115 TYPE OF FLIGHT PLAN NONE	5/5/69 NR.LIVENGOOD, ALAS HILLER UH-12C CR- 0 0 1 TIME - 1636 N5330V PX- 0 0 1 TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES COLLIDED WITH TREES PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLICATED TO BE ACCIDENT TERRAIN - HIGH OBSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69 BROOKSVILLE, FLA BENSEN B-8M CR- 0 0 0 TIME - 1059 N1074 PX- 0 0 0 TIME - 1059 N1074 PX- 0 0 0 TIME - 1059 N1074 PX- 0 0 0 TYPE OF ACCIDENT COLLIDED WITH TREES LANG PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE SOR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 115 TYPE OF FLIGHT PLAN NONE	5/5/69 NR.LIVENGOOD, ALAS HILLER UH-12C CR- 0 0 1 COI TIME - 1636 N5330V PX- 0 0 1 AII  TYPE OF ACCIDENT MISCELLANEOUS COLLIDEO WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNIN PILOT - EXCEEDED ACFT CAPABILITIES ON MAX CLIMB-OUT. TERRAIN - HIGH OBSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69 BROOKSVILLE, FLA BENSEN B-8M CR- 0 0 1 IN: DAMAGE-SURSTANTIAL  NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S) WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 115 TYPE OF FLIGHT PLAN NONE	5/5/69 NR.LIVENGOOD, ALAS HILLER UH-12C CR- 0 0 1 COMMERCIAL TIME - 1636 N5330V PX- 0 0 1 AIR TAXI-PASSG  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES TAMES TAKEOFF INITIAL CLIMA COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT - EXCEEDED ACFT CAPABILITIES ON MAX CLIMA-OUT. TERRAIN - HIGH OBSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69 BROOKSVILLE, FLA BENSEN B-BM CR- 0 0 1 INSTRUCTIONAL TIME - 1059 N1074 PX- 0 0 0 TRAINING DAMAGE-SUBSTANTIAL NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES PHASE OF OPERATION LANDING TRAFFIC PATTER PROBABLE CAUSE(S) WEATHER PURFAVORABLE WIND CONDITIONS WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES TYPE OF WEATHER CONDITION NONE  WEATHER PLIGHT PLAN NONE	TIME - 1636  N5330V  DAMAGE-SUBSTANTIAL  TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH TREES  PROBABLE CAUSE(S) PLOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT - EXCEEDED ACFT CAPABILITIES ON MAX CLIMB-OUT.  TERRAIN - HIGH ORSTRUCTIONS REMARKS- ACFT SETTLED.  5/18/69  BROOKSVILLE, FLA  BENSEN B-8M N1074  DAMAGE-SUBSTANTIAL  NAME OF AIRPORT - HERNANDO COUNTY TYPE OF ACCIDENT COLLIDED WITH TREES  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S) WEATHER FORECAST - UNKNOWN/NOT REPORTED  SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER  OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE BIDD DIRECTION-DEGREES WEATHER CONDITIONS VFR  TYPE OF WEATHER CONDITIONS VFR  TYPE OF WEATHER CONDITIONS VFR

FILE	DATE	LOCATION	AIRCRAFT DATA	IN.	JURIES		FLIGHT PURPOSE	PILOT DATA	
3-2000	6/1/69	KITZVILLE,WASH 30	RELL 47G N979B DAMAGE-SUBSTANTIAL	CR- PX-	0 0 0 0	1	COMMERCIAL ASSOC CROP CTL ACTIVIT	COMMERCIAL, FL.INSTR., Y AGE 33, 2135 TOTAL HOURS, 310 IN TYPE, NOT INSTRU- MENT RATED.	
	TYPE OF AI ENGINE HARD LAI	FAILURE OR MALFUNCT	ION	PHASE OF OPERATION TAKEOFF INITIAL CLIMB LANDING POWER-OFF AUTOROTATIVE LANDING					
	PILOT I	ANT - MISCELLANEOUS N COMMAND - IMPROPE POWER LOSS - COMPLE	POWERPLANT FAILURE R OPERATION OF FLIGHT TE ENGINE FAILURE/FLA RCED LANDING OFF AIRF	CONTRI	OLS 1 ENGI		D REASONS		
	SPECIAL D TOTAL H KIND OF GLOVES CRASH H CRASH B REMARKS-	SED	KIND OF OPERATION - SPAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GOGGLES - USED ECICKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES						
3-2045		LIVINGSTON, LA 10	BELL 47D1 N3111G DAMAGE-DESTROYED	CR- PX-	0 0	0	COMMERCIAL AERIAL APPLICATION F OPERATION	COMMERCIAL, AGE 27, 1476 TOTAL HOURS, 70 IN TYPE, NOT INSTRUMENT RATED.	
	COLL IDE PROBABLE	D WITH TREES	IED				IGHT SWATH RUN		
	SPECIAL DATA  TOTAL HOURS IN CROP CONTROL - 63  KIND OF CROP - FOREST-TREES  PILOT'S SEAT HELT - FASTENED-PROPERLY  GOGGLES - NOT USED  COCKPIT CRASHPAD - NOT INSTALLED  TANK/HOPPER-LOCATION - SIDES  ELEVATION-AREA BEING TREATED-FEET - 50  REMARKS- NO WITNESSES TO CRASH.				TYPE GLOV CRAS CRAS TERR	OF ES H H H A	OPERATION - SPAYING FO CHEMICAL USED - LIQUID - USED ELMET - AVAILARLE-USED AR - NOT INSTALLED -TYPE - LEVEL, FLAT UN-HOW FLOWN - CROSSWIN	CHEMICAL-NONTOXIC	

PAGE 40

FILE	DATE	OCATION	AIRCRAFT DATA	IN.	JURIES F S M	/N	FLIGHT PURPOSE	PILOT DATA	
				CR - PX-				COMMERCIAL, FL.INSTR., AGE 26, 2100 TOTAL HOURS, UNK/NR IN TYPE, NOT	
	TYPE OF ACCIDENT COLLIDED WITH						PERATION T SWATH RUN	INSTRUMENT RATED.	
	PROBABLE CAUSE(S		O SEE AMD AVOID OBJE	CTS OR	OBSTR	UCTION	1\$		
	SPECIAL DATA TOTAL HOURS IN KIND OF CROP - GLOVES - USED CRASH HELMET - CRASH AAR - NO TERRAIN-TYPE - SWATH RUN-HOW	- FOREST-TREES - AVAILABLE-US DT INSTALLED - LEVEL•FLAT	ED		TYPE GOGG COCK TANK	OF CH LES - PIT CR /HOPPE	ERATION - SPAYING F IEMICAL USED - LIQUI NOT USED ASHPAD - NOT INSTAL R-LOCATION - SIDES AREA BEING TREATED-	D CHEMICAL-TOXIC	
3-2093	7/5/69 SIER/ TIME - 1348	A,MADRE,CALIF		PX~			MMERCIAL RE CONTROL	COMMERCIAL, FL.INSTR., AGE 37, 2130 TOTAL HOURS, 700 IN TYPE, NOT INSTRU-	
	TYPE OF ACCIDENT MISCELLANEOUS COLLIDED WITH				ΙN	FLIGH	PERATION IT LOW PASS IT OTHER	MENT RATED.	
		DUIPMENT AND A RELEASE MALFUN HOBSTRUCTIONS			EQUIP	MENT	OTHER		
3-2102	7/10/69 GRAY	BULL,WYO	HILLER UH-12E N5369V DAMAGE-DESTROYED				NMMERCIAL RIAL APPLICATION	COMMERCIAL, AGE 26, 1949 TOTAL HOURS, 69 IN TYPE, NOT INSTRUMENT RATED.	
	TYPE OF ACCIDENT		DANAGE BEITHOTES				PERATION IT PROCEDURE TURNAR		
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE								
	SPECIAL DATA TOTAL HOURS IN KIND OF CROP- GLOVES - USED CRASH HELMET- CRASH AAR - NO TERRAL!!-TYPE- SWATH RUN-HOW FIRE AFTEK IMPA	- FOREST-TREFS - AVAILABLE-US OT INSTALLED - ROLLING FLOWN - WIND	ED		TYPE GOGG COCK TANK ELEV	OF CH LES - PIT CR /HOPPE ATION-	ERATION - SPAYING F IEMICAL USED - LIQUI NOT USED ASHPAD - NOT INSTAL R-LUCATION - SIDES AREA BEING TREATED- TURNAROUND - THIRD	D CHEMICAL-TOXIC  LED  FEET - 8500	

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUF F	RIES	/N	FLIGHT PURPOSE	PILOT DATA	
3-2104	7/10/69 TIME - 08	HOLLISTER, CALIF	BELL 47G-2 N2874B DAMAGE-SUBSTANTIAL	CR- PX-	n n	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 36, 2032 TOTAL HOURS 1820 IN TYPE, NOT INSTRU	
	TYPE OF A	ACCIDENT ED WITH WIRES/POLES			F			OF OPERATION LIGHT SWATH RUN	MENT RATED.	
	PROBABLE PILOT I	CAUSE(S) N COMMAND - FAILED T	O SEE AND AVOID OBJE	cts or	: OF	BSTR	UCI	TIONS		
	KIND OF GLOVES CRASH F CRASH F TERKAIN	HOURS IN CROP CONTROL F CROP - GRAPES	ED		1 ( (	TYPE GOGG COCK TANK	OF LES PI1 /HC	F OPERATION - SPAYING F CHEMICAL USED - LIO S - NOT USED T CRASHPAD - NOT INST PPER-LOCATION - SIDE IUN-AREA BEING TREATE	OUID CHEMICAL-TOXIC Talled Es	
3-2123	7/17/69 TIME - 11	PIGEON FORGE, TENN	BELL 47D1 N2794A Damage-Substantial		0	0	1 4	COMMERCIAL OTHER	COMMERCIAL, AGE 35, 2460 TOTAL HOURS, 150 IN TYPE NOT INSTRUMENT RATED.	
	NAME OF AIRPORT - PIGEON FORGE TYPE OF ACCIDENT NOSE OVER/DOWN GEAR COLLAPSED					T A	KE	DE OPERATION DEE VERTICAL LIGHT UNCONTROLLED D		
	MISCELL FACTOR(S) MISCELL	IN COMMAND - INADEQUA ANEOUS ACTS,CONDITIO ANEOUS ACTS,CONDITIO	NS - IMPROPERLY LOAD NS - OVERLOAD FAILUR	ED AIR E	CR	AFT-	WE:	IGHT-AND/OR C.G.	SKID BROKE AT IMPACT.	
3-2141	8/7/69 TIME - 05	MORGAN CITY,LA	BELL 476-4A N7818S DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1	MISCELLANEOUS FERRY	COMMERCIAL, AGE 29, 1996 TOTAL HOURS, 256 IN TYPE NOT INSTRUMENT RATED.	
	TYPE OF A	DAMAGE-SUBSTANTIA NAME OF AIRPORT - MORGAN CITY TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING					IVE	DE OPERATION DEF INITIAL CLIMA ING POWER-DEF AUTORO		
	PROBABLE	CAUSE(S)								
	PILOT 1	PILOT IN COMMAND - SPONTANEOUS-IMPROPER ACTION								
	PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE FMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- INADVERTENTLY PULLED MIXTURE CTL INSTEAD OF CARB HEAT.									

FILE	DATE	LUCATION	AIRCRAFT DATA	INJ! F	IRIES S M	/N	FLIGHT PURPOSE		PILOT DATA
3-2144	1/26/69 TIME - 12	NR.TYONEK,ALAS 43	RELL 2054 N4048G DAMAGE-DESTROYED	CK-	1 0 1 0	n (	COMMERCIAL AIR TAXI-PASSG		COMMERCIAL, AGE 26, 2165 TOTAL HOURS, 2122 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF A	CCIDENT ON WITH GROUND/WATER	UNCONTROLLED				OPERATION GHT UNCONTROLLED D	ESCFNT	
	ROTORCR ROTORCR MISCELL MISCELL WEATHER PERSONN FACTOR(S) MISCELL WEATHER B	CAUSE(S)  - FLIGHT CONTROL SYS AFT - FLIGHT CONTROL AFT - FLIGHT CONTROL ANERUS ACTS, CONDITION - ICING CONDITIONS-IEL - PRODUCTION-DESIGNATIONS ACTS, CONDITIONS ACTOR	SYSTEMS CYCLIC PIT SYSTEMS COLLECTIVE IS - IMPROPER/INADEW IS - JAMMED NCLUDES SLEET, FREEZ IN POOR/INADEOUATE IS - AIRCRAFT CAME T IS RECEIVED	CH CONT PITCH UATE VE ING RAI DESIGN	ROL S CONTR NTING N,ETC	YSTEM OL SY	ч	}	
	SKY CONDI CLEAR VISIBILIT 5 OR OV		CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE						
	OBSTRUCTI NONE TYPE OF W VFR		15 TYPE NO	OF I	URE-F FLIGHT PLAN				
	REMARKS-	MOISTURE IN SERVO CYL	. VENT PORTS FROZE,P	ILOT VA	LVES	RELO	W PORTS BECAME INOF	CAUSE	D CONTROL LOCK-UP
3-2163		HAMPTON, TENN 140	BELL 47G-5 N7841S DAMAGE-DESTROYED	CR- PX-	0 1 0	0 0	COMMERCIAL AERIAL APPLICATION		COMMERCIAL, FL.INSTR., AGE 37, 3152 TOTAL HOURS, 366 IN TYPE, NOT INSTRU- MENT RATED.
	TYPE OF A MISCELL COLLIDE			ΙN	FLI	OPERATION GHT SWATH RUN GHT UNCONTROLLED D	DESCENT		
	PILOT I MISCELL TERKAIN FACTOR(S)	N COMMAND - FAILED TO N COMMAND - IMPROPER ANEOUS ACTS, CONDITION I - HIGH OBSTRUCTIONS	OPERATION OF FLIGHT IS - IMPROPER EMERGE	CONTRO	LS				
	SPECIAL DATA  TOTAL HOURS IN CROP CONTROL - 300 KIND OF OPERAT KIND OF CROP - FOREST-TREES TYPE OF CHEMIC GLOVES - USED GOGGLES - USED CRASH HELMET - AVAILABLE-USED COCKPIT CRASHP CRASH BAR - NOT INSTALLED TANK/HOPPER-LO TERRAIN-TYPE - MOUNTAINOUS SWATH RUN-HOW FLOWN - WIND CALM REMARKS- ACFT SETTLED DUE TO LOSS OF ROTOR RPM. AIR SPEED TOO SLOW, HEAV							OUID CH FALLED ES	EMICAL-NONTOXIC

FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA				
3-2172	6/18/69 STANWOOD,WASH TIME - 1200	BELL 47G N964B DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 30, 1700 N TOTAL HOURS, 525 IN TYPE, NOT INSTRUMENT RATED.				
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFU COLLIDED WITH TREES	NCTION	PHASE OF OPERATION IN FLIGHT PULLUP FROM SWATH RUN LANDING FINAL APPROACH						
	PROBABLE CAUSE(S)  POWERPLANT - MISCELLANE  TERRAIN - HIGH OBSTRUCT  PARTIAL POWER LOSS - PART  EMERGENCY CIRCUMSTANCES -	IAL LOSS OF POWER - 1 EN	GINE	ED REASONS					
	SPECIAL DATA  TOTAL HOURS IN CROP CON KIND OF CROP — CORN GLOVES — NOT USED CRASH HELMET — AVAIALAB CRASH BAR — NOT INSTALL TERRAIN—TYPE — LEVEL,FL SWATH RUN—HOW FLOWN — C	LE-NOT USED ED AT	KIND OF OPERATION - SPAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES ELEVATION-AREA BEING TREATED-FFET - 28 PROCEDURE TURNAROUND - FIRST 1/3 OF TURN						
3-2224	7/1/69 MANITOU SPGS,C TIME - 1019	OLO HUGHES 269B N9500F DAMAGE-SUBSTANTIAL		COMMERCIAL MAPPING/PHOTO	COMMERCIAL, FL.INSTR., AGE 31, 5001 TOTAL HOURS, 88 IN TYPE, NOT INSTRUMEN				
	TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/W	ATER UNCONTROLLED	IN F	OF OPERATION LIGHT NORMAL CRUIS LIGHT UNCONTROLLED					
	PROBABLE CAUSE(S) PILOT IN COMMAND - EXER PILOT IN COMMAND - INAC WEATHER - HIGH DENSITY WEATHER BRIEFING - BRIEFE WEATHER FORECAST - UNKNOW	EQUATE PREFLIGHT PREPARA ALTITUDE D BY FLIGHT SERVICE PERS							
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SI	TE	UNL I	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT					
	5 OR OVER OBSTRUCTIONS TO VISION AT		NONE		7116				
	WIND DIRECTION-DEGREES 270		WIND VELOCITY-KNOTS 35						
	TYPE OF WEATHER CONDITION	•	TYOF O	F FLIGHT PLAN					

	DATE .		AIRCRAFT DATA	E C	M / M	DURDOSE		PILOT DATA
	7/20/69 IO TIME - 1445		BENSEN B-8M N1057 DAMAGE-SUBSTANTIAL	CR- 0 0	) 1	NONCOMMERCIAL PLEASURE/PERSONAL T	RANSP	PRIVATE, AGC 45, 120 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCID NOSE OVER/D		DAMAGE SOMSTANTIAE	PHA		F OPERATION FF RUN		NOT INSTRUMENTALLY.
	PILOT IN CO TERRAIN - R TERRAIN - W	MMAND - SELECTE MMAND - FAILED OUGH/UNEVEN ET+SOFT GROUND	D UNSUITARLE TERRAIN TO ABORT TAKEOFF FAIRGROUND.NOSED OVER	AT END OF	T/O.	RUN AREA.		
3-2233	7/22/69 BA TIME - 0900	RROW, 4LAS	BELL 47G-3R N73242 DAMAGE-SURSTANTIAL	PX- 0 (		COMMERCIAL CONSTRUCTION	a a	ATR, FLIGHT INSTR., AGF 31, 3228 TOTAL HOURS, 458 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCID MISCELLANED HARD LANDIN	RATEU.						
	MISCELLANED MISCELLANED MISCELLANED EMERGENCY CIR FIRE AFTER IM	MMAND INADEQU US ACTS, CONDITI US ACTS, CONDITI US ACTS, CONDITI CUMSTANCES FO LA PACT	ATE PREFLIGHT PREPARAT ONS LATERAL IMBALANO ONS IMPROPER EMERGEN ONS LOAD NOT JETTISO RCED LANDING OFF AIRPO TERAL CONTROL PROBLEM CARGO SLING. RAN OUT O	CE NCY PROCEDU DNED DRT ON LANG	JRES )		OR LDG	•
3-2252	TIME - 1400  TYPE OF ACCID	·	HUGHES 269B N9485F DAMAGE-SURSTANTIAL	OT- 0 (	) î ASE D	COMMERCIAL MAPPING/PHOTO F OPERATION C IDLING ROTORS		COMMERCIAL, AGE 37, 4223 TOTAL HOURS, 23 IN TYPE, NOT INSTRUMENT RATED.
	PERSONNEL -	MMAND - SELECTE MISCELLANEOUS-	D UNSUITABLE TERRAIN PERSONNEL DRIVER OF N ING LOT. M/R BLADES WE		нү д	FARM TRUCK.		

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR	IES	/ 61	FLIGHT	PILOT DATA		
	7/2/69	PINELAND, TEX	BELL 47G	CR- PX-	0	0	1	COMMERCIAL	COMMERCIAL, AGE 34, 2500 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.		
	TYPE OF A MISCELL HARD LA	ANEOUS			F	IN	FL	F OPERATION IGHT SWATH RUN NG POWER-ON LANDING	KATEO.		
	SYSTEMS SYSTEMS MISCELL PILOT I	ROBABLE CAUSE(S) SYSTEMS - FLIGHT CONTROL SYSTEMS FLIGHT CONTROL BOOST SYSTEMS, HYDRAULIC SYSTEMS - HYDRAULIC SYSTEM RELIEF VALVE MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS MERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING OFF AIRPORT PITCH CONTROL PROBLEM LATERAL CONTROL PROBLEM									
	TOTAL H KIND OF PILOT'S CRASH H										
3-2293	7/30/69 TIME - 16	BELZONI, MISS 000	BELL 47D1 N54154 Damage-surstantial	PX-	0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	12020 TOTAL HOURS, 352 IN TYPE, NOT INSTRUMENT		
	TYPE OF A	ACCIDENT ON WITH GROUND/WATE	R UNCONTROLLED		ſ	PHAS IN	E O	F OPERATION IGHT UNCONTROLLED DE	RATED.		
	PROBABLE ROTORCR		L SYSTEMS TAIL ROTOR	PITCH	ı Cı	DNTR	OL	SYSTEM			
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATI PROCEDU	OURS IN CROP CONTRO CROP - COTTON SEAT BELT - FASTEN - NOT USED CRASHPAD - NOT INS DPPER-LOCATION - SIC ON-AREA BEING TREAT IRE TURNAROUND - FIR	ED-PROPERLY  TALLED ES ED-FEET - 150		D KIND OF OPERATION - SPAYING CROPS  TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TOXIC GLOVES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT SWATH RUN-HOW FLOWN - CROSSWIND						

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	R I E S	S M/N	FLIGHT PURPOSE	<b>.</b>	PILOT DATA
3-2299	5/18/69	CENTRALIA,WASH O	RELL 47G-2 N2498R DAMAGE-DESTROYED	CR- 0 PX- 0	) 1	0	COMMERCIAL ASSOC CROP	CTL ACTIVI	COMMERCIAL, AGE 27, 742 TY TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		CIDENT AILURE OR MALFUNCT WITH TREES	ION		I	ŅΕ	OF OPERATION LIGHT NORMA ING POWER-O	L CRUISE	
	POWERPLA MISCELLA MISCELLA TERRAIN COMPLETE P	NEOUS ACTS,CONDITI NT - FUEL SYSTEM NEOUS - FOREIGN MA NEOUS ACTS,CONDITI - HIGH OBSTRUCTION OWER LOSS - COMPLE	ONS - FUEL EXHAUSTION VENTS, DRAINS, TANK CAP TERIAL AFFECTING NORM ONS - LEAK/LEAKAGE S TE ENGINE FAILURE/FLA RCFD LANDING OFF AIRP	S AL OPERA MENUT-1	ENG	INE			·
	SPECIAL DATA  TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPOR KIND OF CROP - FOREST-TREES PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USFD COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - FORWARD OF PILOT ELEVATION-AREA BEING TREATED-FEET - 440 REMARKS- PIECE OF PLASTIC TAPE FOUND INSIDE FUEL				TYP GLO CRA CRA TER	E OVES SH SH RAI	- NOT USED HELMET - NOT BAR - NOT IN N-TYPE - HIL	SED - LIQUIO AVAILABLE ISTALLED LLY	DRESTS D CHEMICAL-NONTOXIC
3-2315	7/27/69 TIME - 151	VENICE,LA 9	BELL 206A N4059G DAMAGE-DESTROYED	CR- 0 PX- 0	0	1	COMMERCIAL AIR TAXI-P	ASSG	COMMERCIAL, AGE 27, 3091 TOTAL HOURS, 53 IN TYPE, NOT INSTRUMENT RATED.
		AILURE OR MALFUNCT			I	N F	OF OPERATION LIGHT NORMA ING POWER-O	LCRUISE	
	PROBABLE CAUSE(S)  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)  MISCELLANEOUS ACTS, CONDITIONS - MISSING  MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY INSTALLED  POWERPLANT - TURBINE ASSEMBLY WHEFL TURBINE  MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED  ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY  MISCELLANEOUS ACTS, CONDITIONS - SHEARED  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  DIRECTIONAL CONTROL PROBLEM								

	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	RIES	/N	FLIGHT PURPOSE	PILOT DATA		
3-2330		LINCOLN, CALIF		CR- PX-	0	0	1	NONCOMMERCIAL			
		AIRPORT - LINCOLN									
	COLLIS		CONTROLLED					F OPERATION NG POWER-OFF AUTOKOTA	ATIVE LANDING		
	MISCEL	PROBABLE CAUSE(S) MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS PILOT IN COMMAND - MISJUDGED ALTITUDE									
		ER IMPACT T/R STRUCK GRND DURI	NG FLARE FOR LDG. AC	FT THE	N I	√EN1	Οl	IT OF CONTROL,STRUCK G	RND,ROLLED OVER.		
3-2440	5/1/69	LUBHOCK, TEX	HUGHES 269R	CR-	0	0	1	INSTRUCTIONAL	COMMERCIAL, AGE 24, 1233		
	TIME - L	330	N9489F DAMAGE-SUBSTANTIAL	P X –	0	0	n	CHECK	TOTAL HOURS, 41 IN TYPE, NOT INSTRUMENT KATED.		
	NAME OF	AIRPORT - TOWN AND CO									
	DEPARTUR LUBBOC										
	TYPE OF ACCIDENT  HARD LANDING  PHASE OF OPERATION  LANDING POWER-OFF AUTOROTATIVE LANDING										
	PROBABLE CAUSE(S)  MISCELLANEOUS ACTS, CONDITIONS ~ SIMULATED CONDITIONS  PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  FACTOR(S)										
		PERSONNEL - FLIGHT INSTRUCTOR INADEQUATE TRAINING OF STUDENT REMARKS- DEMONSTRATING 180 DEGREE AUTOROTATION TO INSPECTOR ON GROUND.									

PAGE 48

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA				
3-2444	6/11/69 TIME - 073	LITCHFIELD, NY 30	RELL 47G-2 N46R DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AFRIAL APPLICATION	COMMERCIAL, FL.IMSTR., AGE 32, 2700 TOTAL HOURS, 2200 IN TYPE, NOT INSTRU-				
	TYPE OF ACMISCELLA	WATER,NY CCIDENT	INTENDED DESTINATION LITCHFIFLD,NY	UNKNO PHASE O IN FL	ROUTE STOP WWYNOT REPORTED OF OPERATION IGHT PULLUP FROM SW IGHT UNCONTROLLED D	ATH RUN				
	FACTOR(S)	N COMMAND - IMPROF								
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATIO	OURS IN CROP CONTR CROP - GRAIN FIEL	.DS WN/NOT REPORTED ISTALLED PES .TED-FEET - 1000	TYPE OF GLOVES CRASH F CRASH F TERRAIN	OPERATION - SPAYING CHEMICAL USED - LIQ USED HELMET - AVAILABLE-US AR - NOT INSTALLED HTYPE - ROLLING UN-HOW FLOWN - UPWIN	UID CHEMICAL-TOXIC				
3-2445	TIME - 15	•	RELL 47G-2A N73227 DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL ASSOC CROP.CTL ACTI	COMMERCIAL, AGE 33, 2467 VITY TOTAL HOURS, 600 IN TYPE, INSTRUMENT PATED.				
	DEPARTURE FORT MY TYPE OF A	ERS,FLA CCIDENT FAILUKE OR MALFUNC	INTENDED DESTINATION FORT MYERS, FLA	UNKNI PHASE ( IN FI	IROUTE STOP DWN/NOT REPORTED DF OPERATION IGHT FETURN TO STRI ING POWER-OFF AUTORO					
	PILOT II MISCELL PILOT II FACTOR(S) MISCELL COMPLETE	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING  NISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  ENERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND								
	COCKPIT TANK/HO ELEVATI	ATA OURS IN CROP CONTR CROP - MOSQUITO C SEAT BELT - FASTE - NOT USED CRASHPAD - NOT IN PPER-LOCATION - SI ON-AREA BEING TREA APRXLY 300 LBS OF	DES TED-FEET + 10	CRASH I CRASH I TERRAII	F OPERATION - UNKNOWN CHEMICAL USED - DRY NOT USED HELMET - NOT AVAILARL BAR - NOT INSTALLED H-TYPE - LEVEL, FLAT KUN-HOW FLOWN - CROSS	CHEMICAL-TOXIC				

	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA		
	6/30/69 FEEDING HLLS, TIME - 0500 DEPARTURE POINT	MASS BELL 4701 N4250A DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0  LAST EN UNKNO	COMMERCIAL ASSOC CROP CTL ACTIV			
	PROBABLE CAUSE(S) PILOT IN COMMAND - INA	DEQUATE PREFLIGHT PREPARA	ATION AND/OR PLA	NNING			
	KIND OF CROP - CORN PLIOTIS SEAT BELT - EA	STENED-PROPERLY INSTALLED SIDES	TYPE OF GLOVES CRASH H CRASH B TERRAIN	KIND OF OPERATION - SPAYING CROPS TYPE OF CHEMICAL USED - LIQUID CHEMICAL-TUXIC GLOVES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED CRASH BAR - NOT INSTALLED TERRAIN-TYPE - LEVEL, FLAT D TO TRAILER.			
-2473		0514 47000		COMMERCIAL	COMMERCIAL, FL.INSTR.,		
3-2473	9/3/69 JACKSON, WYN TIME - 0820	N73287 DAMAGE-DESTROYED			AGE 32, 3000 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-		
3-2473	TIME - 0820  DEPARTURE POINT  JACKSON, WYO  TYPE OF ACCIDENT	N73287 DAMAGE-DESTROYED	PX- 0 0 0	CONSTRUCTION  F OPERATION	AGE 32, 3000 TOTAL HOURS, 500 IN TYPE, NOT INSTRU-MENT RATED.		

FILE			AIRCRAFT DATA	F S M/N	PURPOSE	PILOT DATA				
3-2492	6/27/69 TIME - 132	BRUNSON,SC 5 POINT	HUGHES 269A	CR- 0 1 0	COMMERCIAL					
	TYPE OF ACC		,	IN FL	DF OPERATION .IGHT NORMAL CRUISE .IGHT AUTOROTATIVE DE	SCENT				
	PILOT IN MISCELLAI MISCELLAI PILOT IN TERRAIN COMPLETE PI	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING  MISCELLANEOUS ACTS, CONDITIONS - INATTENTIVE TO FUEL SUPPLY  MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION  PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING  TERRAIN - HIGH OBSTRUCTIONS  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  REMARKS- PX POINTING OUT FLDS TO BE DUSTED. FLT TOO LOW OVER TREES 60-80 FT HIGH, UN REACH OPEN AREA.								
3-2494	3/25/69 TIME - 091	SINCLAIR,WYO 2	HILLER ACFT FH1100 N617 DAMAGE-DESTROYED		COMMERCIAL POWER/PIPELINE	AGE 49, 10796 TOTAL HOURS, 410 IN TYPE, NOT				
	CASPER,	HYO	INTENDED DESTINATION CHEYENNE, WYO	UNKNO PHASE (	NROUTE STOP DWN/NOT REPORTED DF OPERATION LIGHT NORMAL CRUISE	INSTRUMENT RATED.				
	FIRE AFTER	COMMAND - FAILE	D TO SEE AND AVOID OBJE	CTS OR OBSTRUCT	TIONS					

FILE	DATE LOCA	TION	AIRCRAFT DATA	INJU F	RIES S M	/N	FLIGHT PURPOSE	PILOT DATA		
 3-2496	4/30/69 SAN DIEG TIME - 1427	O,CALIF	RELL 2064 N1430W DAMAGE-DESTROYED	CR- 1 PX- 1	0	0	MISCELLANEOUS FERRY	COMMERCIAL, FL.INSTR., AGE 38, 1220 TOTAL HOURS, 107 IN TYPE, NOT INSTRU- MENT RATED.		
	NAME OF AIRPORT - G DEPARTURE POINT MONTGOMERY FLD TYPE OF ACCIDENT COLLISION WITH GR	ITENDED DESTINATION GILLESPIE FLD	PHASE OF OPERATION IN FLIGHT UNCONTROLLED DESC							
	ROTORCRAFT - FLIG MISCELLANEOUS ACT MISCELLANEOUS ACT	SHT CONTROL [S,CONDITION [S,CONDITION - INADEQUA	SYSTEMS CYCLIC PIT NS - INTERFERENCE WI NS - IMPROPERLY INST TE PREFLIGHT PREPARA	CH CONTR TH FLIGH ALLED	ROL S	YST	OLS	SONNEL) .		
	EMERGENCY CIRCUMSTANCES - LATERAL CONTROL PROBLEM  DIRECTIONAL CONTROL PROBLEM  REMARKS- IMPROPRLY INSTLED CYCLIC BALANCE SPRING CLIP.CYCLIC CTL NOT CHECKED.INCOMPLETE INSTRS FROM MEGR.									
3-2511	DEPARTURE POINT BROOKS LAKE,ALAS	ALMON, ALAS	BELL 47G-2 N59H DAMAGE-SUBSTANTIAL NTENDED DESTINATION KATMAI,ALAS				COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 24, 1750 TOTAL HOURS, 14 IN TYPE, INSTRUMENT RATED.		
	COLLIDED WITH OF						IF OPERATION OFF RUNNING			
	PILOT IN COMMAND FACTOR(S) MISCELLANEOUS ACT	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- DURING TAKEOFF OVER LAKE RIGHT SKID HIT SNAG STICKING OUT OF WATER.								
3-2514	7/3/69 NR.MCGRATH TIME - 1800		DAMAGE-SUBSTANTIAL	OT- (	) 1	O	FIRE CONTROL	COMMERCIAL, FL.INSTR., AGE 42, 5950 TOTAL HOURS. 53 IN TYPE, NOT INSTRUME! RATED.		
	DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP  MCGRATH, ALAS FIRE AREA UNKNOWN/NOT REPORTED  TYPE OF ACCIDENT PHASE OF OPERATION  ROLL OVER  PROPELLER/ROTOR ACCIDENT TO PERSON STATIC OTHER							NATED.		
	PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- LANDED ON MUSKEG HUMPS. WHILE PLTS ATTENTION WAS ON HIS RACK CARGO ACFT ROLLED OVER. DEPLANED PX HIT									

FILE	DATE LOC	ATION	AIRCRAFT DATA	INJU F	JRIES S M/N	FLIGHT PURPOSE	PILOT DATA	
	8/13/69 EAST PO TIME - 0940	ULTNEY, VT					COMMERCIAL, FL.INSTR., AGE 50, 10000 TOTAL HOURS, 1500 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POINT CASTLETON, VT TYPE OF ACCIDENT ENGINE FAILURE O COLLIDED WITH T	OR MALFUNCTI	NTENDED DESTINATION NORWOOD, MASS	PHASE OF OPERATION IN FLIGHT NORMAL CRUISF IN FLIGHT AUTOROTATIVE DESCEN				
	MISCELLANEOUS AC COMPLETE POWER LOS MISSING AIRCRAFT - EMERGENCY CIRCUMST	TS,CONDITIONS - COMPLET LATER RECOMPLET ANCES - FOR	CED LANDING OFF AIRP	E MEOUT-1 ORT ON L	ENG INE	EADED AREA JUST UNDER	THE FACE OF THE NUT.	
-2562	8/30/69 LAGUNA TIME - 1600	RCH,CALIF	BELL 47-H N1Z DAMAGE-SURSTANTIAL		n 1 0 n 1 0	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 37, 276 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POINT VAN NUYS,CALIF TYPE OF ACCIDENT ENGINE FAILURE O DITCHING		INTENDED DESTINATION LONG REACH, CALIF		UNKN PHASE IN F	NROUTE STOP OWN/NOT REPORTED OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTORO		
	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER OPERATION OF POWERPLANT & POWERPLANT CONTROLS  MISCELLANEOUS ACTS, CONDITIONS - ANTI-ICING/DEICING EQUIPMENT-IMPROPER OPERATION OF/OR FAILED TO USE  MISCELLANEOUS ACTS, CONDITIONS - ICE-CARBURETOR  WEATHER - CONDITIONS CONDUCTIVE TO CARB./INDUCTION SYSTEM ICING  FACTOR(S)							
	MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE WEATHER BRIEFING - NO BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER							
	SKY CONDITION CLEAR VISIBILITY AT ACCI	DENT SITE		•	UNLI	G AT ACCIDENT SITE MITED ITATION AT ACCIDENT S	:116	
	5 OR OVER OBSTRUCTIONS TO VI		CIDENT SITE		NONE TEMPER		5116	
	WIND DIRECTION-DEG 180			74 WIND VELOCITY-KNOTS 8				
	TYPE OF WEATHER CO VFR REMARKS - SANK OFF		CEAN. DEW POINT 70 DE	G•	NONE	F FLIGHT PLAN		

						PILOT DATA					
3-2563	8/17/69 TIMF - 1157	LAKEWOOD, CALIF	HUGHES 269B N9525F DAMAGE-DESTROYED	CR- 0 1 0	MISCELLANEOUS	COMMERCIAL, AGE 41, 1755 TOTAL HOURS, 720 IN TYPE, NOT INSTRUMENT RATED.					
			NTENDED DESTINATION LOCAL FLT								
	LONG REA	ACH, CALIF	LOCAL FLT	PHASE D	E OBERATION						
	MISCELLAN	IENUS		IN FI	IGHT NORMAL CRUISE						
	COLLISION	N WITH GROUND/WATER	UNCONTROLLED	IN FL	IGHT AUTOROTATIVE DESCE	NT					
	PROBABLE CA										
		ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM OTHER									
		MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM MAIN ROTOR PULLEYS,BELTS									
	MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED										
		PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS									
	PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.										
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND SUSPECTED MECHANICAL DISCREPANCY										
	REMARKS- FA				NNECT OF POWER DRIVE PUL	LY BELTS TO ENGINE.					
3-2570	7/25/69	WILLOW CREK, CALIF	BELL 47G-3B	CR- 0 1 0	COMMERCIAL	COMMERCIAL, AGE 31, 3000					
	TIME - 1300	0	N8465E DAMAGE-DESTROYED	PX- 0 0 0	ASSOC FIRE CTL ACTIVITY	TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT					
				01- 1 0 0		RATED.					
		RPORT - FOREST SERV									
	WILLOW C	PUINI REK•CALIF	INTENDED DESTINATION WILLOW CREK, CALIF								
	TYPE OF ACC	CIDENT			F OPERATION						
	MISCELLAM PROPELLEM	NEOUS R/ROTOR ACCIDENT TO	PERSON		NG LEVEL OFF/TOUCHDOWN NG OTHER						
	PERSONNEL PILOT IN	PROBABLE CAUSE(S)  PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN  PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN  MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.									
					GHT-AND/OR C.G. ON/OFF L SKID CAUSED M/	R HIT GRND,CTL LOSS					

FILE		AIRCRAFT DATA	F S M/N	FLIGHT PURPOSE	PILOT DATA				
3-2571	7/31/69 NR.FORESTHILL,CALIF	HUGHES 269R N9384F DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 44, 2038 TOTAL HOURS, 128 IN TYPE, NOT INSTRU- MENT RATED.				
	DEPARTURE POINT SACRAMENTO, CALIF TYPE OF ACCIDENT COLLISION WITH GROUND/WATE	SACRAMENTO, CALIF	PHASE	IROUTE STOP STHILL,CALIF OF OPERATION OFF INITIAL CLIMR	HENT KATED.				
	FACTOR(S) WEATHER - HIGH DENSITY ALT WEATHER BRIEFING - NO BRIEFI	PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING							
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT AC NONE WIND DIRECTION-DEGREES 315 TYPE OF WEATHER CONDITIONS VER REMARKS- PLT DID NOT USE AVA		UNLT PRECIPI NONE TEMPERA 80 WIND VE 12 TYPE OF NONE	TATION AT ACCIDENT SI ATURE-F ELOCITY-KNOTS FLIGHT PLAN					
3-2582	8/3/69 FAIRBANKS, ALAS TIME - 1715	HILLER ACFT FH1100 N421FH DAMAGE-SUBSTANTIAL		COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 31, 2833 TOTAL HOURS, 263 IN TYPE, NOT INSTRU- MENT RATED.				
	NAME OF AIRPORT - BLM HELIPO DEPARTURE POINT UNKNOWN/NOT REPORTED TYPE OF ACCIDENT MISCELLANEOUS ROLL OVER	INTENDED DESTINATION	PHASE ( TAKE(	OF OPERATION OFF VERTICAL OFF VERTICAL	TENT NATED.				
	PROBABLE CAUSE(S)  KOTORCRAFT - FLIGHT CONTROL SYSTEMS CYCLIC PITCH CONTROL SYSTEM  MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED  MISCELLANEOUS ACTS, CONDITIONS - MISSING  MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY INSTALLED  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)  FIRE AFTER IMPACT  REMARKS- FORE/AFT CYCLIC ASSY CAME APART AS PITCH WAS APPLIED, BOLT, NAS-1104-18, NUT, COTTER KEY, MISSING.								

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES S M/N	FLIGHT PURPOSE	PILOT DATA			
3-2584	8/18/69 KE TIME - 1430	NAI,ALAS	HILLER ACFT US-12E N5384V DAMAGE-SUBSTANTIAL	CR- 0	0 1	COMMERCIAL	COMMERCIAL, AGE 40, 1179 ACTIVITY TOTAL HOURS, 1120 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POINT INTENDED DESTINATION  ZONE D SUB BASE  TYPE OF ACCIDENT  MISCELLANEOUS  HARD LANDING  IN FLIGHT POWER-ON DESCENT									
	ROTORCRAFT MISCELLANED MISCELLANED PILOT IN CO FACTOR(S) MISCELLANED EMERGENCY CIR	PROBABLE CAUSE(S)  ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM CLUTCH ASSEMBLY  MISCELLANEOUS ACTS, CONDITIONS - BURNED  MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS								
3-2585	8/22/69 BA TIME - 0720		RELL 204-B N1191W DAMAGE-SURSTANTIAL			COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 23, 2600 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POI KUPARIK,AL TYPE OF ACCID MISCELLANEO	AS ENT	INTENDED DESTINATION FLAXMAN ISLAND AFS		LAST E BARR PHASE STAT					
!		MISCELLANEOU	US-PERSONNEL PASSENGER NDING CARGO, THREW ROLL OF	CABLE	INTO R	OTATING M/R BLADE	ES∙			

PAGE 56

FILE .	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	IES S M,	'N	FLIGHT PURPOSE	PILOT NATA
3-2588	8/31/69 WILT TIME - 1825	ER,ID	BELL 47G-2 N10194 DAMAGE-DESTROYED		0 0	0 0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 33, 284 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
		-	INTENDED DESTINATION						NATED.
	WILDER, ID TYPE OF ACCIDEN	ıT	WILDER, ID		D	LIVCE	. 0	COEDATION	
	PROPELLER/ROTOR FAILURE TAIL ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED				PHASE OF OPERATION IN FLIGHT SWATH RUN IN FLIGHT UNCONTROLLED DESCFI				NT
	CULLISION WIT			IN	FL.	IGHT ONCONTROLLED DESCE	NI		
	ROTORCRAFT -	ROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE							
	SPECIAL DATA TOTAL HOURS 1 KIND OF CROP GLOVES - NOT CRASH HELMET CRASH RAR - N TERRAIN-TYPE SWATH RUN-HOU REMARKS- ROLT F					CHEMICAL USED - DRY CHE - NOT USED CRASHPAD - NOT INSTALLE PPER-LOCATION - SIDES ON-AREA BEING TREATEO-FE	ICAL-TOXIC		
3-2592	9/4/69 NR.KEY	/STONE,S DAK	RELL 47G 2 N2820R DAMAGE-DESTROYED	CR- PX-	1 2	0	0 0	COMMERCIAL OTHER	COMMERCIAL, FL.INSTR., AGE 36, 1884 TOTAL HOURS, 860 IN TYPE, NOT INSTRU-
	DEPARTURE POINT	ſ	INTENDED DESTINATION						MENT RATED.
	KEYSTONE,S DA		KEYSTONE, S DAK						
	TYPE OF ACCIDEN	NT RE ØR MALFUNCI	TON		Р			F OPERATION	
	COLLIDED WITH		IUN					IGHT NORMAL CRUISE NG POWER-OFF AUTOROTATI	VE LANDING
	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION TERRAIN - HIGH ORSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- SIGHT-SEE ING FLTS.								

FILE .	DATE LOCATION	AIRCRAFT DATA	INJURIES E S M/N	FLIGHT	PILOT PATA
نام المام المام ا	9/8/69 BURAS,LA TIME - 1215	RELL 47G-2 N955 DAMAGE-SURSTANTIAL	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 25, 1434 TOTAL HOURS, 300 IN TYPE, NOT INSTRU-
	DEPARTURE POINT VENICE, LA TYPE OF ACCIDENT ENGINE FAILURE OR MALE ROLL OVER	INTENDED PESTINATION EMPIRE, LA	PHASE O IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-ON LANDING	MENT RATED.
	TERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PAR	TIAL LOSS OF POWER - 1 EN - FORCED LANDING OFF AIRP SUSPECTED MECHANICAL DI PROP/ENGINE VIBRATION	GINE ORT ON LAND	D REASONS	· · ·
	REMARKS- LANDED ON MARSH	Y,UNEVEN GRND.ALSO EXPERI	ENCED A LATERAL	VIBRATION, CAUSE UNK.	•
3-2599	9/21/69 FALLS CHURCH, TIME - 1800	N6296N DAMAGE-SUBSTANTIAL	=	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 25, 2291 TOTAL HOURS, 317 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT DULLES INTL ARPT, VA TYPE OF ACCIDENT ENGINE FAILURE OR MALF HARD LANDING	INTENDED DESTINATION NATL ARPT, DC	IN FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROT	TATIVE LANDING
	PILOT IN COMMAND - IMP PARTIAL POWER LOSS - PAR	REOUS POWERPLANT FAILURE ROPER OPERATION OF FLIGHT TIAL LOSS OF POWER - 1 EN - PRECAUTIONARY LANDING OF WER SURGES.	CONTROLS GINE	D REASONS	
<b>3</b> ~2600	6/4/69 NR.DEER LODGE, M	N8409E		NONCOMMERCIAL BUSINESS	PRIVATE, AGF 57, 49 TOTAL HOURS, ALL IM TYPE, NOT INSTRUMENT RATED.
	DEEK LODGE, MUNI	DAMAGE-DESTROYED INTENDED DESTINATION DEER LODGE, MONT	Dua 65 . 0	5 ONSWATION	TRATIONER NATED.
	TYPE OF ACCIDENT COLLISION WITH GROUND/	WATER UNCONTROLLED		F OPERATION IGHT UNCONTROLLED DE	ESCFNT
		ROPER OPERATION OF FLIGHT LED TO MAINTAIN ADEQUATE			

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILNT DATA			
3-2604	7/10/69 TIME - 103	REDWOOD CTY, CALIF	BELL 47G-2 N6730C DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL CTR CARGO-D	COMMERCIAL, FL.INSTR., AGE 26, 2585 TOTAL HOURS, 800 IN TYPE, NOT INSTRU- MENT RATED.			
	TABE UP VC	CTY,CALIF CIDENT WITH OBJECT	NTENDED DESTINATION REDWOOD CTY,CALIF	IN FL	F OPERATION IGHT HOVERING NG POWER-OFF AUTORO				
	PILOT IN FACTOR(S) PERSONNE MISCELLA EMERGENCY	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING FACTOR(S)  PERSONNEL - MISCELLANEOUS-PERSONNEL GROUND CREWMAN  MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER  DIRECTIONAL CONTROL PROBLEM  REMARKS- SLING LOAD FELL INTO WATER, IMPROPER HOOKUP. TOO LOW DURING REARWARD FLT OVR LOAD, T/R HIT UNK ORJCT							
3-2605	7/17/69 N TIME - 133	R.PRUDHOE BAY,ALAS O	HILLER ACFT FH1100 N430FH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, AGE 24, 2120 TOTAL HOURS, 49 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF AC	BAY, ALAS	INTENDED DESTINATION PRUDHOE BAY,ALAS	PHASE O	F OPERATION C IDLING ROTORS				
	PERSONNE FACTOR(S) PILOT IN	PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL SPECTATOR FACTOR(S) PILOT IN COMMAND - LEFT AIRCRAFT UNATTENDED, ENGINE RUNNING REMARKS- SPECTATOR ENGROSSED IN TAKING PICTURES WALKED INTO REVOLVING T/R BLADES.							
3-2610		ASTORIA,NY 7	BELL 47G-2 N71OK DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0 OT- 0 1 1	MISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 37, 7824 TOTAL HOURS, 1387 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE ASTORIA, TYPE OF AC		ESCFNT						
	PROBABLE CAUSE(S)  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)  ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM  MISCELLANEOUS ACTS, CONDITIONS - OVER TORQUED FIRE AFTER IMPACT REMARKS- T/R PITCH CHANGE ROD BEARINGS FAILED DUE TO OVER TORQUED DELTA HINGE BOLT. CRASHED INTO APT PLDG.								

FILE .	DATE LOCATI	ON AIRCRAFT DAT	TA TALLIDIC	FLICHT	PILOT DATA					
		AY,ALAS BELL 47G-2 N6708D DAMAGE-SUBSTAN	CR+ 0 0 1 PX- 0 0 1		COMMERCIAL, AGE 25, 1700					
	DEPARTURE POINT PRUDHOE BAY,ALAS TYPE OF ACCIDENT ENGINE FAILURE OR M HARD LANDING		PORTED PHASE ( TAKE(	ED  PHASE OF OPERATION  TAKEOFF INITIAL CLIMB  LANDING POWER-ON LANDING						
	MISCELLANEOUS ACTS, PARTIAL POWER LOSS -	INADEQUATE PREFLIGHT PRECONDITIONS - WATER IN FUR PARTIAL LOSS OF POWER - LES - FORCED LANDING ON A	JEL 1 ENGINE							
3-2668	4/15/69 GUNTERVILL TIME - 1020	BELL 47G-4 N1415W DAMAGE-DESTRO		COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 35, 6205 TOTAL HOURS 3520 IN TYPF, NOT INSTRU MENT RATED.					
	GUNTERVILLE, ALA TYPE OF ACCIDENT	INTENDED DESTINA GUNTERVILLE,AL/ IND/WATER UNCONTROLLED	A PHASE (	DF OPERATION .IGHT PROCEDURE TUR						
	FACTOR(S)	MISCELLANEOUS - UNDETERMINED								
	KIND OF CROP - OTHE GLOVES - USED CRASH HELMET - AVAI CRASH BAR - NOT INS TERRAIN-TYPE - SWAI SWATH RUN-HOW FLOWN	LABLE-USED STALLED MPY/WATER	TYPE OF GOGGLES COCKPITANK/HGELEVATPROCED	S - NOT USED C CRASHPAD - NOT INS DPPER-LOCATION - SID ION-AREA BEING TREAT URE TURNAROUND - THI	ES ED-FEET - 600 RD 1/3 OF TURN					

FILE	DATE LOCATION	A IRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILAT DATA					
3-2692	9/13/69 DOUGLAS, WYO TIME - 1345	HUGHES 269R N9460F DAMAGE-SUBSTANTIAL INTENDED DESTINATION	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL BUSINESS	PRIVATE, AGE 23, 330 TOTAL HOURS, 270 IN TYPE, NOT INSTRUMENT RATED.					
	DOUGLAS,WYO	DOUGLAS, WYO								
	TYPE OF ACCIDENT PROPELLER/ROTOR FAILU	URE TAIL ROTOR		F OPERATION IGHT NORMAL CRUISE						
	MISCELLANEOUS ACTS.CO	NHEOUS UNITS AND ASSEMBLIES SINDITIONS - MATERIAL FAILUR S - FORCED LANDING OFF AIRP LATERAL CONTROL PROBLEM	RE PORT ON LAND	LONS/CONES						
	REMARKS- T/R BOOM BRACE	P/N 2015 FAILED, RUBBED T/		SHAFT DAMAGE.AUTOROTA	ATIVE LDG, NO IMPACT DM					
3-2696	10/16/69 E PROVIDENCE TIME - 0930	BELL 47G-4 N73943 DAMAGE-SUBSTANTIAL		COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 28, 1773 TOTAL HOURS, 1208 IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE POINT E PROVIDENCE,RI TYPE OF ACCIDENT ENGINE FAILURE OR MAI ROLL OVER	INTENDED DESTINATION E PROVIDENCE, RI FUNCTION	IN FL	F OPERATION IGHT HOVERING NG POWER-OFF AUTORO						
	MISCELLANEOUS ACTS,C( FACTOR(S) MISCELLANEOUS ACTS,C( COMPLETE POWER LOSS - ( EMERGENCY CIRCUMSTANCES	NADEQUATE PREFLIGHT PREPARA DINDITIONS - FUEL EXHAUSTION DINDITIONS - LOAD NOT JETTIS COMPLETE ENGINE FAILURE/FLA S - FORCED LANDING OFF AIRP FISON LOAD DUE TO SIGNAL ME	SONED MEDUT-1 ENGINE PORT ON LAND							
		•								
3-2727	9/13/69 PECAN ISLAND TIME - 1345	D,LA BELL 47G-4A N470BR DAMAGE-SURSTANTIAL		COMMERCIAL POWER/PIPELINE	COMMERCIAL, AGE 39, 3085 TOTAL HOURS, 598 IN TYPE, NOT INSTRUMENT RATED.					
	DEPARTURE POINT LAFAYETTE,LA TYPE OF ACCIDENT	INTENDED DESTINATION PECAN ISLAND, LA		DE OPERATION	·					
	COLLIDED WITH WIRES/POLES TAKEOFF INITIAL CLIMB									
	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID ORJECTS OR OBSTRUCTIONS									
	FACTOR(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING REMARKS- PLT FAILED TO CHECK AREA PRIOR TO T/O.									

FILE	DATE	LOCATION	AIRCRAFT DATA	IN.	JUR	IES		FLIGHT	PILOT DATA
	10/15/69 N TIME - 163	R.FAIRBANKS,ALAS O POINT ,ALAS		CR-	1 0	0	0	MISCELLANEOUS	
	MISSING AI FIRE AFTER	AUSE(S) NEOUS - UNDETERMI RCRAFT - LATER RE IMPACT		ES NORT	ſН			WN/NOT REPORTED	
3-2750	7/19/69 TIME - 060							COMMERCIAL AERIAL APPLICATION	
	DEPARTURE ALBANY.D		INTENDED DESTINATION ALBANY, DREG						West was a second
	TYPE OF AC	CIDENT WITH WIRES/POLE			-		_	F OPERATION IGHT PROCEDURE TURNAR	OUND
		COMMAND - DIVERT	ED ATTENTION FROM OPER TO SEE AND AVOID OBJE						
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO PROCEDUR	URS IN CROP CONTR CROP - OTHER SEAT BFLT - FASTE - NOT USED CRASHPAD - NOT IN PER-LOCATION - SI N-AREA BEING TREA E TURNAROUND - TH	NED-PROPERLY STALLED DES TED-FEET - 200 IRD 1/3 OF TURN		G C C T S	YPE LOV RAS RAS ERR WAT	DF ES H H H R AIN H R	OPERATION - SPAYING C CHEMICAL USED - LIQUI - NOT USED ELMET - AVAIALABLE-NOT AR - NOT INSTALLED -TYPE - LEVEL, FLAT UN-HOW FLOWN - WIND CA CHANGING POSITION.SPRA	D CHEMICAL-TOXIC USED

FILE .	DATE LOCATION	AIRCRAFT DATA	INJURIES F S M	: I/N	FLIGHT PURPOSE	PILOT DATA
 3-2785	6/21/69 NR.DEKALB,ILL TIME - 0935  NAME OF AIRPORT - DEKALB DEPARTURE POINT DEKALB,ILL TYPE OF ACCIDENT COLLISION WITH GROUND/WA  PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERM	BELL 47G-5 NB558F DAMAGE-SUBSTANTIAL INTENDED DESTINATION DEKALB, ILL TER UNCONTROLLED	CR- 0 0 PX- 0 0	1 CC O AE SE DE C	MMERCIAL FRIAL APPLICATION OPERATION IT SWATH RUN	COMMERCIAL, AGE 44, 2406 TOTAL HOURS, 137 IN TYPE, NOT INSTRUMENT RATED.
	EMERGENCY CIRCUMSTANCES -  SPECIAL DATA  TOTAL HOURS IN CROP CONT KIND OF CROP - CORN PILOT'S SEAT BELT - FAST GOGGLES - NOT USED COCKPIT CRASHPAD - NOT I TANK/HOPPER-LOCATION - S ELEVATION-AREA BEING TRE REMARKS- PLT REPORTED UNCT	ROL - UNKNOWN/NOT REPORT ENED-PROPERLY NSTALLED IDES ATED-FEET - 900	ED KIND TYPE GLOV CRAS CRAS TERR SWAT	DF CH ZES - N SH HELM SH BAR LAIN-TY	PERATION - SPAYING CRO HEMICAL USED - LIQUID NOT USED HET - AVAILABLE-USED - NOT INSTALLED PPE - LEVEL, FLAT -HOW FLOWN - UPWIND NNK, WRECKAGE MOVED PRI	CHEMICAL-NONTOXIC
3-2786	7/9/69 FAIRFIELD,PA TIME - 1328	BELL 47D1 N225B DAMAGE-SUBSTANTIAL	CR- 0 0 PX- 0 0	1 CC 0 AS	OMMERCIAL SSOC CROP CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 27, 1760 TOTAL HOURS, 43 IN TYPE, INSTRUMENT
	DEPARTURE POINT FAIRFIELD,PA TYPE OF ACCIDENT ROLL OVER	INTENDED DESTINATION FAIRFIELD, PA			DPERATION ABORTED	RATED.
	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADE PILOT IN COMMAND - SELEC TERRAIN - HIGH VEGETATIO TERRAIN - ROUGH/UNEVEN EMERGENCY CIRCUMSTANCES -	N		PLANN	ING	
	SPECIAL DATA TOTAL HOURS IN CROP CON' KIND OF CROP - FRUIT ORG PILOT'S SEAT BELT - FAST GOGGLES - NOT USED COCKPIT CRASHPAD - NOT 1 TANK/HOPPER-LOCATION - S REMARKS- AREA SELECTED FOR	HARDS ENED-PROPERLY NSTALLED IDES	TYPE GLOV CRAS CRAS	OF CH VES - U SH HELI SH BAR	MET - NOT AVAILABLE - NOT INSTALLED	CHEMICAL-NONTOXIC

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU F	RIES S M	/N	FLIGHT PURPOSE	PILOT DATA			
3-2789	9/10/69 NR.E TIME - 1635	001SE,10	HILLER FHILON N376FH DAMAGE-SUBSTANTIAL	CR- O	0 2	I l	COMMERCIAL CTR PASSG-D	COMMERCIAL, FL.INSTR., AGE 32, 4111 TOTAL HOURS, 295 IN TYPE, NOT 1MSTRU-			
	DEPARTURE POI	NT	INTENDED DESTINATION					MENT RATED.			
	BOISE, ID TYPE OF ACCID	ENT	ROISE, ID		рнас	F OF	OPERATION				
	ENGINE FAIL	URE OR MALFUNCT		TAKEOFF RUNNING							
	COLLISION W	IITH GROUND/WATE	R UNCONTROLLED		11	FL I	GHT UNCONTROLLED DE	ESCENT			
	PROBABLE CAUSE(S)  POWERPLANT - FUEL SYSTEM FUEL CONTROL  MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION FACTOR(S)  TERRAIN - ROUGH/UNEVEN										
		RCUM <b>STANCES</b> - FO	TE ENGINE FAILURE/FLA RCED LANDING OFF AIRP			NE					
			TE UNTIL NEW FUEL CON	TROLLER	WAS	INST	ALLED.PWR FAILD AS	ACFT T/O FROM MT RIDGE.			
2 2702	30/7/60 ND 5	DICHOD CALLS	0.511 476203	C0 0		,	MISCELLANERUS	COMMERCIAL, AGE 41, 4545			
-2192	TIME - 1005	31SHOP,CAL1F	N3096G Damage-destroyed	PX- 0				TOTAL HOURS, 1110 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POI MCCLURE ME TYPE OF ACCIO	INT EADOW DENT	INTENDED DESTINATION DUSEY BASIN	•	РНД	E OF	OPERATION				
		URE OR MALFUNCT	10%		TA	KEOF	F INITIAL CLIMB				
	MISCELLANES WEATHER - F	- ENGINE STRUCT									
	MISCELLANEO PARTIAL POWER		ONS - AIRCRAFT CAME T LOSS OF POWER - 1 EN NG RECEIVED		N W	TER					
	WEATHER FORECAST - UNKNOWN/NOT REPORTED EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND										
	SKY CONDITION	N				ING	AT ACCIDENT SITE				
		CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE HAZE					TATION AT ACCIDENT S	ITE			
	HAZE					)	TURE-F				
	WIND DIRECTION	WIND DIRECTION-DEGREES				₩IND VELOCITY-KNOTS 4					
	TYPE OF WEAT						FLIGHT PLAN				
	REMARKS- PAR	VFR REMARKS- PARK PATROL. DENSITY ALT APRXLY 12500 FT. ACFT FELL INTO SMALL STREAM WENT OVER WATERFALL.									

FILE	DATE	LOCATION	AIRCRAFT DATA	INJU	RIES S M	/ N	FLIGHT PURPOSE	PILOT DATA
3-2808	8/23/69 TIME - 1030	MONTROSE, COLO	RELL 47J-2A N73202 DAMAGE-SUBSTANTIAL	CR- O PX- O	0	2	COMMERCIAL OTHER	COMMERCIAL, AGE 33, 7600 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIR DEPARTURE P MONTROSE,		OUNTY INTENDED DESTINATION MONTROSE, COLO					
	TYPE OF ACC MISCELLAN HARD LAND	IDENT LEGUS			TΔ	KENF	OPERATION F INITIAL CLIMB G POWER-OFF AUTOROT	ATIVE LANDING
	ROTORCRAF MISCELLAN MISCELLAN PILOT IN	T - TRANSMISSION T - TRANSMISSION BEOUS ACTS, COMPITI EOUS ACTS, CONPITI COMMAND - IMPROPE IRCUMSTANCES - FO	ONS - MATERIAL FAILURI R OPERATION OF FLIGHT RCED LANDING OFF AIRPO ISPECTED OR KNOWN AIRC	REE WHEE CONTROL ORT ON L	L UN S AND			
	REMARKS- FI		NUSUAL NOISE PILOT BEARING LOCKED,	FREE WHE	LING	UNI	T SLIPPED, ENG OVERSP	ED.M/R HIT TAIL ON LDG
3-2812	2/28/69 TIME - 0115	LENOX HILL,NY	RELL 206A N1426W DAMAGE-SURSTANTIAL				COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 25, 176R TOTAL HOURS, 48 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC ENGINE FA HARD LAND	ILURE OR MALFUNCT	ION		LΔ	MD I N	OPERATION G FINAL APPROACH G LEVEL OFF/TOUCHDO	) <del>I</del> N
	COMPLETE PO	IT - MISCELLANEOUS DWER LOSS - COMPLE	; POWERPLANT FAILURE   TE ENGINE FAILURE/FLAI RCFD LANDING ON AIRPOI	MEOUT-1	ENGI	ME		
3-2813	3/28/69 TIME - 1500	BARROW,ALAS	HILLER UH-12E N9761C DAMAGE-DESTROYED				NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 38, 7620 TOTAL HOURS, 92 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE F	NO 166	INTENDED DESTINATION RARROW, ALAS		<b>D</b>		0050.7700	MALL TRAINCHEM I VALED.
	COLLIDED	CIDENT WITH WIRES/POLES					OPERATION G FINAL APPROACH	
	PROBABLE CA PILOT IN		TO SEE AND AVOID OBJEC	CTS OR O	BSTR	JC T I	ONS	

FILE	DATE LOCATION	AIRCRAFT DATA	10	JUR F	1ES	; 1/N	FLIGHT	PILOT PATA
3-2814	4/24/69 ALPINE, CALIF TIME - 1330	DUBITED 2070	PX-	ő	Ó	0	CONSTRUCTION	COMMERCIAL, AGE 47, 836 TOTAL HOURS, 729 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT ALPINE, CALIF	INTENDED DESTINATION ALPINE, CALIF						
	TYPE OF ACCIDENT COLLISION WITH GROUND/W	ATER UNCONTROLLED		Р	HAS	IE C	F OPERATION IGHT UNCONTROLLED DES	CFNT
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETER FACTOR(S)	MINED						
	MISCELLANEOUS ACTS, COND EMERGENCY CIRCUMSTANCES - REMARKS- LATERAL CONTROL			ÐΝ	то	REL	EASE PIPE-GRND MAN BEL	OW JUMPED OVER CLIFF.
					٠			
3-2820	7/13/69 BARROW, ALAS TIME - 1530	RELL 2064 N7865S Damage-Substantial	CR- PX-	0	0	1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 25, 2756 TOTAL HOURS, 10 IN TYPE, MOT INSTRUMEN RATED.
	DEPARTURE POINT W KAPARUK, ALAS	INTENDED DESTINATION BARROW, ALAS						NATIO
	TYPE OF ACCIDENT MISCELLANEOUS COLLISION WITH GROUND/W	ATER UNCONTROLLED		P	11	1 FL	JF OPERATION .IGHT NORMAL CRUISE .IGHT UNCONTROLLED DES	CENT
		L SYSTEMS FLIGHT CONTROL ITTIONS — MATERIAL FAILURI PITCH CONTROL PROBLEM LATERAL CONTROL PROBLEM		τ 9	SYS"	TEM:	5, HYDKAULIC	
	REMARKS- FAILURE OF SPOOL		. IC <b>, C</b> O	LLE	CT.	I VE	DIRECTIONAL HYD ACTUAT	ORS.AD ISSUED 7/25/69
3-2838	10/31/69 NEW IMERIA, LA TIME - 1705			0	0	10	MISCELLANEOUS FERRY	COMMERCIAL, AGE 31, 1934 TOTAL HOURS, 5 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT SUGER DAK CLUB	INTENDED DESTINATION						
	TYPE OF ACCIDENT COLLISION WITH GROUND/W	ATER UNCONTROLLED	•	ņ	HA!	SE (	DE OPERATION .IGHT UNCONTROLLED DES	SCFNT -
		OF FAMILIARITY WITH AIR OPER OPERATION OF FLIGHT AFTER LIFT OFF TO 3 FT	CONTR			5 н	RS FLT TIME IN TYPE.	-

FILE	DATE LN	CATION	AIRCRAFT DATA	IN	JUR F	IES S M	/N	FLIGHT PURPOSE		PILOT DATA
3-2841	8/11/69 ARLING TIME - 1530	TON,GA	HUGHES 269R N9489F DAMAGE-SURSTANTIAL	CR- PX-	0	0	1	COMMERCIAL ASSOC CHOP CTL	VCLINILA	COMMERCIAL, AGE 24, 319 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT ARLINGTON, GA TYPE OF ACCIDENT COLLISION WITH		NTENDED DESTINATION ARLINGTON,GA UNCONTROLLED					F OPERATION AFRIAL TAXI TO	/FROM LANDIM	
	PILOT IN COMMAN	D - FAILED "	OPERATION OF FLIGHT OMAINTAIN ADEQUATE F M TO DROP AND ENG TO	OTOR	R . P	.м.				
3-2842	11/15/69 ROSWEL TIME ~ 1200		N10321 DAMAGE-SURSTANTIAL	P X -				COMMERCIAL OTHER		COMMERCIAL, AGE 29, 2266 TOTAL HOURS, 64 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT ROSWELL,N MEX TYPE OF ACCIDENT ENGINE FAILURE HARD LANDING		INTENDED DESTINATION ROSWELL,N MEX			TΛ	KEO	F OPERATION FF INITIAL CLI NG POWER-OFF A		LANDING
	MISCELLANEOUS A COMPLETE POWER LO	D - INADEQUA CTS,CONDITION SS - COMPLET TANCES - FO	ATE PREFLIGHT PREPARAT DNS - FUEL EXHAUSTION TE ENGINE FAILURE/FLAN RCED LANDING OFF AIRPO	1EOUT-	1 E	ŅG I		NNING		
3-2843	11/5/69 NR.PARKE TIME - 1230	R,ARIZ	RELL 47G3R1 N614 DAMAGE-SURSTANTIAL	PX-				COMMERCIAL POWER/PIPELINE		ATR, FLIGHT IMSTR., AGF 40, 5500 TOTAL HOURS, 350 IN TYPE, NOT INSTRUMENT
	DEPARTURE POINT PARKER, ARIZ TYPE OF ACCIDENT MISCELLANEOUS HARD LANDING		INTENDED DESTINATION PARKER, ARIZ			ΙN	FL	F OPERATION IGHT NORMAL CF NG POWER-OFF A		RATED.
	PROBABLE CAUSE(S)  ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM TAIL ROTOR DRIVE SHAFT ASSEMBLY ROTORCRAFT - ROTOR ASSEMBLIES BEANINGS  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND DIRECTIONAL CONTROL PROBLEM REMARKS- TZR DRIVESHAFT ALIGNMENT BEARING FAILED, PZN47-620-605-1.									•

FILE .	DATE	LOCATION	AIRCRAFT DATA	INJ F	URIES S M/N	FLIGHT PURPOSE	PILOT DATA			
3-2857	7/30/69 TIME - 114 DEPARTURE WINTER G TYPE OF AC PROPELLE	HINTER GARDEN,FLA 5 POINT I ARDEN,FLA	BELL 47-G N208B DAMAGE-SUBSTANTIA NTENDED DESTINATION WINTER GARDEN,FLA	CR- PX- L	0 1 0 0 0 0 PHASE	COMMERCIAL ASSOC CROP CTL ACT OF OPERATION LIGHT EN ROUTE TO R ING POWER-OFF AUTOR	COMMERCIAL, AGE 39, 3998 TOTAL HOURS, 10 IN TYPE, NOT INSTRUMENT RATED.			
	ROTORCRA ROTORCRA MISCELLA MISCELLA MISCELLA TERRAIN	L - MAINTENANCE, SER AFT - TRANSMISSION R AFT - ROTOR ASSEMBLI AMEOUS ACTS, CONDITIO AMEOUS ACTS, CONDITIO AMEOUS ACTS, CONDITIO - HIGH OBSTRUCTIONS CIRCUMSTANCES - FOR	DTOR DRIVE SYSTEM ES REARINGS NS - MISSING NS - VIBRATION, EXCE NS - IMPROPERLY INS	TAIL ROT SSIVE TALLED PORT ON	DR GEAR	NAMCE (MAINTENANCE P BOX	PER SONNEL)			
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HOP ELEVATIO	DURS IN CROP CONTROL CROP - FRUIT ORCHAR SEAT BELT - FASTENE - NOT USED CRASHPAD - NOT INST PPER-LOCATION - SIDE DN-AREA BEING TREATE	DS D-PROPERLY ALLED S D-FEET - 130		KIND OF OPERATION - SPAYING CROPS TYPE OF CHEMICAL USED - LIMUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAILABLE-USED CRASH BAR - NOT INSTALLED TERRAIM-TYPE - LEVEL, FLAT /N47-645-088-1 NOT INSTALLED IN GEAR BOX.					
3-2858	6/5/69 TIME - 160	MANLY HT SPS,ALAS DO	BELL 47J-2A N852OF Damage-surstantia	PX-	0 0 1	MISCELLANEOUS FERRY	COMMERCIAL, FL.1MSTR., AGE 54, 10066 TOTAL HOURS, 66 IM TYPE, NOT INSTRUMENT RATED.			
	NAME OF AIRPORT - MANLEY HOT SPRING DEPARTURE POINT INTENDED DESTINATION PHILLIPS, FIELD, ALAS MANLY HT SPS, ALAS TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING TRAFFIC PATTERN-CIRCLING HARD LANDING POWER-OFF AUTOROTATIVE LANDING									
	PROBABLE CAUSE(S)  PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING  MISCELLANEOUS ACTS, CONDITIONS - WATER IN FUEL  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									

FILE	DATE	LOCATION	AIRCRAFT DATA	IN. F	UR	IES S M	/N	PURPOSE	PILOT DATA				
		HILO, HAWAII		CR-	1	O	ŋ	NONCOMMERCIAL PRACTICE					
	DEPARTURE GEN LY	MAN FLD	FLD INTENDED DESTINATION										
	TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT												
	ROTORCR MISCELL FACTOR(S) MISCELL	PROBABLE CAUSE(S)  ROTORCRAFT - FLIGHT CONTROL SYSTEMS OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT REMARKS- ROTR HIT PROP, RUDDER, CTL STICK FOUND BROKEN AT ATCHMNT TO XTUBE WHICH CTLD PUSH RODS TO ROTR HEAD.											
2-2025	7/30/69	GRND CANYON•ARIZ	BELL 47C3R1	CP-	1	0	0	COMMERCIAL	COMMERCIAL, FL.INSTR.,				
3-2923	TIME - 15			PX-	2	Ô	ń	AIR TAXI-PASSG	AGE 27, 1641 TOTAL HOURS, 197 IN TYPE, NOT INSTRU- MENT RATED.				
	GRND CA TYPE OF A ENGINE	NYON, ARIZ	INTENDED DESTINATION GRND CANYON, ARIZ		Р	ΙN	FL	F OPERATION IGHT NORMAL CRUISE NG FIMAL APPROACH					
	0922182	D WITH TREES						· · · · · · · · · · · · · · · · · · ·					

FILE	DATE LOCA	TION	AIRCRAFT DATA	IN.	UR	IES S M,	N	FLIGHT PURPOSE		PILOT DATA
	8/21/69 WORTHING TIME - 0550 NAME OF AIRPORT - A DEPARTURE POINT	N54047 DAMAGE-SUBSTANTIAL STRIP NTENDED DESTINATION	CR- PX-	Ð	U	1	COMMERCIAL		COMMERCIAL, AGE 33, 8087 TOTAL HOURS, 234 IN TYPE, NOT INSTRUMENT RATED.	
	WORTHINGTON, MASS TYPE OF ACCIDENT ENGINE FAILURE OR COLLIDED WITH TR	MALFUNCTI		PHASE OF OPERATION TAKEOFF INITIAL CLIMA LANDING POWER-OFF AUTOROTATIV						LANDING
	PROBABLE CAUSE(S)  POWERPLANT - ENGINE STRUCTURE MASTER AND CONNECTING RODS  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  TERRAIN - HIGH OBSTRUCTIONS  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - LOAD NOT JETTISONED  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT UN LAND								·	
	SPECIAL DATA  TOTAL MOURS IN CROP CONTROL - UNKNOWN/NOT REPORT KIND OF CROP - POTATOES PILOT'S SEAT BELT - FASTENED-PROPERLY GOGGLES - NOT USED COCKPIT CRASHPAD - NOT INSTALLED TANK/HOPPER-LOCATION - SIDES REMARKS- NR 4 CON ROD CAP BOLT FAILED CAUSING EXTERNAL					TYPE OF CHEMICAL USED - LIQUID CHEMICAL-NONTOXIC GLOVES - NOT USED CRASH HELMET - AVAIALABLE-NOT USED CRASH BAR - NOT INSTALLED				
3-2935	10/7/69 MORGAN C TIME - 1300 NAME OF AIRPORT - A		RELL 206A N292FW DAMAGE-SURSTANTIAL	CR- PX-	0	0	1	MISCELLANEOUS TEST		COMMERCIAL, AGE 37, 2367 TOTAL HOURS, 88 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT MORGAN CITY, LA TYPE OF ACCIDENT ENGINE FAILURE OR COLLIDED WITH DI			LΑ	MDIN	OPERATION G FINAL APPE G POWER-OFF		LANDING		
	PROBABLE CAUSE(S)  POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS  TERRAIN - ROUGH/UNEVEN  PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE  EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ACFT ROCKED FORWARD INTO DITCH.TAIL ROOM CUT OFF BY M/R BLADE.									

			AIRCRAFT DATA		_	CM	/ N I	DUMPOCE	PILOT DATA		
		GRND CANYON, ARIZ	HUGHES 269R N9442F DAMAGE-SUBSTANTIAL	CR-	O	1	0		COMMERCIAL, FL.IMSTR., AGE 46, 7951 TOTAL HOURS, 607 IN TYPE, NOT INSTRU- MENT RATED.		
	NAME OF AIR DEPARTURE P	RPORT - YAKI PT HE POINT	LISTOP INTENDED DESTINATION								
	YAKI PT TYPE OF ACC	HELISTOP	BOTTOM OF CANYON		וט	HVCE	: ni	FOPERATION			
	MISCELLAN HARD LAND	IEDUS			, ,	TΔK	Eni	FF INITIAL CLIMA NG POWER-OFF AUTOROTAT	IVE LANDING		
	PILOT IN FACTOR(S)	COMMAND - INADEOU	ATE PREFLIGHT PREPARAT TO MAINTAIN ADEQUATE R				PLAI	NNING			
	SKY CONDITI				С	EILI	ING	AT ACCIDENT SITE			
	CLEAR VISIBILITY			Р			ITED TATION AT ACCIDENT SITE	•			
	5 OR OVER					NO	. –				
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE					EMP6	- RA	TURE~F			
	TYPE OF WEA	ATHER CONDITIONS			Т	YPE NON		FLIGHT PLAN			
	REMARKS- SE	ETTLED WITH POWER.	ATTEMPTED T/D WITHIN 5	LBS	OF	GR (1)	55	WT FOR ALT.DENSITY ALT	7000 FT.		
3-2938	10/31/69 NF TIME - 075	R.GRAND ISLE,LA 7	RELL 47J N5153R DAMAGE-SURSTANTIAL					COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 47, 13250 TOTAL HOURS, 760 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE F	POINT TA BLOCK 73	INTENDED DESTINATION GRAND ISLE, LA						KATEU.		
	TYPE OF ACC MISCELLAN HARD LANG	VEDUS			Р	TΔł	KED	F OPERATION FF INITIAL CLIMB NG POWER-OFF AUTOROTAT	IVE LANDING		
		NEDUS - UNDETERMIN	-								
•		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER SUSPECTED MECHANICAL DISCREPANCY									
	REMARKS- PL	_T REPORTED POWER	WAS LOST IN ROTOR SYST	EM.							

FILE	DATE LOCATION	N AIRCRAFT DATA	I NJU	RIES S M.	/N	FLIGHT PURPOSE	PILOT DATA				
	7/17/69 BRECKENRIDGE TIME - 0815	F.COLO RELL 47G3R2	CR- 0 PX- 0			OMMERCIAL ISH SPOTTING	COMMERCIAL, AGE 31, 1700 TOTAL HOURS, 255 IN TYPE, NOT INSTRUMENT RATED.				
	BRECKENRIDGE, COLD	BRECKENRIDGE, COLO									
	TYPE OF ACCIDENT. ENGINE FAILURE OR MAI ROLL OVER	LFUNCTION	1	LA	MIN	OPERATION  FINAL APPROACH  POWER-ON LANDING					
	PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS POWERPLANT FAILURE FOR UNDETERMINED REASONS TERRAIN - OTHER										
		ARTIAL LOSS OF POWER - 1 ENG S - FORCED LANDING OFF AIRPO		AND							
	REMARKS- LANDED ON DAM	• ACFT ROLLED OVER SIDE.									
	7/17/69 KANSAS CITY	,MO HUGHES 269R N9512F	CR- O	0	2 1	ISCELLANEOUS POLICE PATROL	COMMERCIAL, AGE 30, 383 TOTAL HOURS, 229 IN TYPE.				
	11ME - 1648	DAMAGE-SUBSTANTIAL		U	U	PULICE PAIRUL	NOT INSTRUMENT RATED.				
	DEPARTURE POINT	INTENDED DESTINATION									
	KANSAS CITY,MO TYPE OF ACCIDENT	KANSAS CITY, MO		PHAS	E OF	OPEKATION					
	MISCELLANEOUS					AERIAL TAXI TO TAKEDER					
	HARD LANDING			LΑ	NDIN	POWER-ON LANDING					
	PILOT IN COMMAND - 1 FACTOR(S)	NADEQUATE PREFLIGHT PREPARA MPROPER OPERATION OF FLIGHT	CONTROL	S							
	WEATHER - HIGH DENSI WEATHER BRIEFING - NO WEATHER FORECAST - UNK	BRIEFING RECEIVED	JED AIKCK	4F1-	WE 161	11-AND/UK C.G.					
	SKY CONDITION			CEIL	ING /	AT ACCIDENT SITE					
	CLEAR			NU	LIMI	TED					
	VISIBILITY AT ACCIDENT 5 OR OVER	VISIBILITY AT ACCIDENT SITE				ATION AT ACCIDENT SITE					
	OBSTRUCTIONS TO VISION HAZE	AT ACCIDENT SITE	•	TEMP 94		JRE~F					
	WIND DIRECTION-DEGREES			WIND		OCITY-KNOTS					
	160 TYPE OF WEATHER CONDIT VER	IONS				ELIGHT PLAN	•				
	VFR NONE REMARKS- SETTLED WITH POWER.OVER GROSS APRX 41 LBS.DENSITY ALT 3064 FT.HOVERING CEILING AT 94DEG,4200 FT.										

FILE	DATE	LUCATION	AIRCRAFT DATA	INJU F	RIES S M	/N	FLIGHT PURPOSE	PILOT DATA		
3-2980	7/28/69 TIME - 144 DEPARTURE	CASTLE MT,WASH	HUGHES 269R N9432F DAMAGF-SURSTANTIAL INTENDED DESTINATION CASTLE MT, WASH	CR- 0 PX- 0	0	1 0	MISCELLANEOUS SEARCH AND RESCUE	PRIVATE, AGE 45, 1254 TOTAL HOURS, 674 IN TYPE, NOT INSTRUMENT KATED.		
	TYPE OF AC COLLIDED ROLL OVE	WITH DITCHES			TΑ	KEOF	OPERATION F ABORTED G POWER-ON LANDING			
	FACTOR(S) TERRAIN TERRAIN	N COMMAND - INADEQ - HIGH DASTRUCTIO - ROUGH/UNEVEN	UATE PREFLIGHT PREPARA NS RTED DUE TO INABILITY							
3-2981	TIME - 100		BELL 4701 N2794A DAMAGF-DESTROYED				COMMERCIAL CONSTRUCTION	COMMERCIAL, AGE 30, 2471 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.		
	DEPARTURE PIDGEON	POINT N FORD, TENN	INTENDED DESTINATION PIDGEON FORD, TENN					MILL THREE MONTHS IN THE FOR		
	TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT									
	MISCELLA MISCELLA WEATHER PILOT IN COMPLETE A WEATHER BA	N COMMAND - IMPROP ANEOUS ACTS,CONDIT ANEOUS ACTS,CONDIT - CONDITIONS COND N COMMAND - FAILED		ING EQUI	PMEN EM I P.M.	T-IM	PROPER OPERATION OF	/OR FAILED TO USE		
		Y AT ACCIDENT SITE	:		UN	LIM] IPI]	AT ACCIDENT SITE TED ATION AT ACCIDENT S	ITE		
	5 OR OVE OBSTRUCTION	ER DNS TO VISION AT A	CCIDENT SITE	٠	•					
	WIND DIRECT									
	TYPE OF WEATHER CONDITIONS  TYPE OF FLIGHT PLAN  NONE									
	REMARKS- 1	DEW PT 63 DEG.								

FILE	DATE LOCATION	N AIRCRAFT DATA	INJURIES	FLIGHT	PILOT DATA				
	10/27/69 NR.ILIAMNA,ALA TIME - 1030 DEPARTURE POINT	AS RELL 47J-2 N8497E DAMAGE-SURSTANTIAL INTENDED DESTINATION ANCHORAGE,ALAS	CR- 0 0 1 PX- 0 0 1 LAST EN ILIAM PHASE 0 IN FL	MISCELLANEOUS FERRY KONTE STOP NA,ALAS	COMMERCIAL, AGE 29, 4475 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.				
	PILOT IN COMMAND - SE MISCELLANEOUS ACTS+CO TERRAIN - HIGH ORSTRU COMPLETE POWER LOSS - 6 EMERGENCY CIRCUMSTANCES	MPROPER OPERATION OF POWERPI PONTANEOUS—IMPROPER ACTION ONDITIONS — FUEL STARVATION OCTIONS COMPLETE ENGINE FAILURE/FLAI S — FORCED LANDING OFF AIRPO E CONTROL INSTEAD OF CARA HE	MEOUT-1 ENGINE DRT ON LAND						
3-2986	11/4/69 LONG REACH, TIME - 1653	CALIF HUGHES 269R N9437F DAMAGE-SURSTANTIAL	PX- 0 0 0		COMMERCIAL, FL.INSTR., AGE 37, 3152 TOTAL HOURS, 2700 IN TYPE, NOT INSTRU-				
	NAME OF AIRPORT - LONG BEACH DEPARTURE POINT INTENDED DESTINATION LOS ANGELES, CALIF TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER LANDING POWER-OFF AUTOROTATIVE LANDING								
	PROBABLE CAUSE(S)  AIRFRAME - LANDING GEAR SKID ASSEMBLY  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SIMULATED CONDITIONS REMARKS- R STRUT ASSY LOG GR DAMPER UPPER ATTACH LUG FAILED AS RUN-ON AUTOROTATIVE LDG WAS COMPLETED.								

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ	URIES		FLIGHT		PILOT DATA
3-3029	10/19/69 TIME - 1020	KETCHIKAN, ALAS	HUGHES 269B	CR- PX-	ი ი	1	COMMERCIAL		COMMERCIAL, FL.INSTR., AGE 28, 3971 TOTAL HOURS, 41 IN TYPE, NOT INSTRUMENT
	KETCHIKAN TYPE OF ACC	N,ALAS CIDENT AILURE OR MALFUNCT	KETCHIKAN, ALAS		PHAS TA	∆LL E ()! KE()!	ROUTE STOP BAY,GRAVINA F OPERATION FF INITIAL NG POWER-ON	CLIMR	RATED.
	MISCELLAM MISCELLAM PERSONNEI FACTOR(S) MISCELLAM TERRAIN TERRAIN PARTIAL POLEMERGENCY	AUSE(S)  NT - FUEL SYSTEM  NEOUS ACTS, CONDITI  NEOUS - FOREIGN MA  L - MAINTENANCE, SE  NEOUS ACTS, CONDITI  - ROUGH/UNEVEN - HIGH OBSTRUCTION  WER LOSS - PARTIAL  CIRCUMSTANCES - FO  IR STARVATION CAUS							
3-3043	DEPARTURE I	PO I NT	RELL 206A N4057G DAMAGE-DESTROYED INTENDED DESTINATION GRND CANYON, ARIZ	CR- PX-	1 0 1 0	0	COMMERCIAL CONSTRUCTIO	N	COMMERCIAL, AGE 31, 8400 TOTAL HOURS, 800 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC	NEOUS	R UNCONTROLLED		T Z	ΚEΠ	F OPERATION FF INITIAL IGHT UNCONT	CLIMA ROLLED DESCENT	
	PILOT IN MISCELLAN FIRE AFTER	- LOSS OF ROTOR R COMMAND - FAILED NEOUS ACTS, CONDITI IMPACT	PM,CAUSE UNDETERMINED. TO FOLLOW APPROVED PRO ONS - IMPROPER EMERGEN ATTEMPT TO LWR PITCH (	OCEDURE NCY PRO	CEDUF		IVES,ETC.		

FILE .	DATE	LOCATION	AIRCRAFT DATA	1 N J I F	JR ]				PILOT DATA
3-3072	7/7/69 TIME - 07	UNION CITY,PA 40	BELL 476-5 N8556F DAMAGF-SUBSTANTIAL	CR- (	0	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, FL.INSTR., AGE 43, 7500 TOTAL HOURS, 4800 IN TYPE, NOT INSTRU- MENT RATED.
	MAYVIL TYPE OF A	POINT LE,NY CCIDENT D WITH WIRES/POLE		PHASE OF OPERATION IN FLIGHT SWATH RUN					
			DUATE PREFLIGHT PREPARATIONS	TION AN	D/I	ΠR	PLA	NNING	
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO ELEVATI	NED-PROPERLY NSTALLED DES NTED-FEET - 1200		TYPE OF GLOVES - CRASH HE CRASH BA TERRAIN- SWATH RU		OF ES H H H B AIN H R	OPERATION - SPAYING CR CHEMICAL USED - LIQUID - NOT USED ELMET - AVAILABLE-USED AR - NOT INSTALLED -TYPE - LEVEL, FLAT UN-HOW FLOWN - WIND CAL D NOT SEEN WIRES DURG G	• CHEMICAL-NONTOXIC	
3-3073	TIME - 13  DEPARTURE  BAKED  TYPE OF A	220 : POINT MT,ALAS ACCIDENT FAILURE OR MALFUNO	INTENDED DESTINATION BAKED MT, ALAS	PX-	n Pi	O HAS IN	0 E 0 FL	COMMERCIAL CTR PASSG-D  F OPERATION IGHT CLIMB TO CRUISE NG POWER-OFF AUTOROTAT	INSTRUMENT RATED.
	PROBABLE PILOT I MISCELL TERRAIN TERRAIN COMPLETE	CAUSE(S)  N COMMAND - INADEC ANEOUS ACTS, CONDIT I - HIGH DASTRUCTIO I - ROUGH/UNEVEN POWER LOSS - COMPL	DUATE PREFLIGHT PREPARA TIONS - FUEL EXHAUSTION DNS LETE ENGINE FAILURE/FLA FORCED LANDING OFF AIRP	ME0UT-1	D/1	OR NG I	PLA		

FILE .		IN AIRCRAFT DATA	F 5 M/N	PURPOSE	
	7/14/69 COCHRAN,GA TIME - 1600	HUGHES 269-A N8935F	HUCHES 269-A CR- O O 1 COMMERCIAL N8935F PX- O O AFRIAL APPLICATION DAMAGE-SURSTANTIAL	COMMERCIAL, AGE 24, 250	
	NAME OF AIRPORT - COCH DEPARTURE POINT COCHRAN,GA TYPE OF ACCIDENT COLLIDED WITH CROP	HRAN INTENDED DESTINATION COCHRAN,GA		DF OPERATION LIGHT SWATH RUN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - N	41SJUDGED ALTITUDE			
	KIND OF CROP - COTTO PILOT'S SEAT RELT - GOGGLES - NOT USED COCKPIT CRASHPAD - N TANK/HOPPER-LOCATION	FASTENED-PROPERLY NOT INSTALLED	TYPE OF GLOVES CRASH F CRASH F TEKRAIN	E OPERATION - SPAYING CHEMICAL USED - LIOU - NOT USED MELMET - AVAIALABLE-NO MAR - NOT INSTALLED MITTPE - LEVEL, FLAT RUN-HOW FLOWN - WIND C	ID CHEMICAL-TOXIC T USED
3-3093	8/3/69 AGUANGA,CAI TIME - 1700 DEPARTURE POINT	_IF RRANTLY R-2 N9999J DAMAGF-SURSTANTIAL INTENDED DESTINATION	PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TR	PRIVATE, AGE 30, 12A ANSP TOTAL HOURS, 5 IN TYPF, NOT INSTRUMENT RATED.
	PALA,CALIF TYPE OF ACCIDENT HARD LANDING	AGUANGA,CALIF		DF OPERATION ING POWER-ON LANDING	
	PROBABLE CAUSE(S) PILOT IN COMMAND - FACTOR(S) WEATHER - HIGH DENS. WEATHER - UNFAVORABI WEATHER PRIEFING - NO WEATHER FORECAST - UNI	LE WIND CONDITIONS BRIEFING RECEIVED	TION AND/OR PL	<b>7NN I</b> NG	
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT 5 OR OVER		UNL IMPRECIPE NONE	ITATION AT ACCIDENT SI	ТЕ
	OBSTRUCTIONS TO VISIO' NONE TYPE OF FLIGHT PLAN NONE	N AT ACCIDENT SITE SITE.DENSITY ALT 8000 FT.WIN	VFR	WEATHER CONDITIONS	

	DATE LOCA		A INJURIES F S M/N		PILOT DATA
	8/5/69 BILLING: TIME - 2100	MONT HILLER ACFT UH	-12B CR- 0 0 1 PX- 0 0 3	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 38, 10000 TOTAL HOURS, 500 IN TYPE, NOT
	DEPARTURE POINT BILLINGS,MONT TYPE OF ACCIDENT COLLIDED WITH BU	INTENDED DESTINAT RILLINGS,MONT PILDING(S)	PHASE (	OF OPERATION OFF ABORTED	INSTRUMENT RATED.
	PILOT IN COMMAND	- INADEQUATE PREFLIGHT PRE - SELECTED UNSUITABLE TERR NG FLT.NITE FLT.WIRES IN T	AIN		ND CLIMB OVER WIRES.
3-3095	8/10/69 PAINT LI TIME - 0830	CK,KY HUGHES 269R N9467F DAMAGE-SUBSTAN	PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	ATR, FLIGHT INSTR., AGE 30, 8290 TOTAL HOURS, 340 IN TYPE, NOT INSTRUMENT RATED.
	LANCASTER, KY TYPE OF ACCIDENT	INTENDED DESTINAT LANCASTER,KY OUND/WATER UNCONTROLLED	PHASE (	OF OPERATION ING POWER-OFF AUTORO	
		- IMPROPER OPERATION OF FL RAL CONTROL AFTER LIFT OFF		R HOVERING AUTOROTAT	10N•
3-3096	8/14/69 HOUSTON: TIME - 1230	- · · · · · · · · · · · · · · · · · · ·		MISCELLANEOUS FERRY	COMMERCIAL, FL.IMSTR., AGE 38, 3285 TOTAL HOURS, 65 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT HOUSTON, TEX TYPE OF ACCIDENT ENGINE FAILURE OF HARD LANDING	INTENDED DESTINAT HOUSTON,TEX R MALFUNCTION	PHASE (	DF OPERATION LIGHT FLAREOUT FOR ING POWER-OFF AUTOR	SWATH RUN
	MISCELLANEOUS AC PILOT IN COMMAND COMPLETE POWER LOSS	- INADEQUATE PREFLIGHT PRE IS,CONDITIONS - FUEL EXHAUS - IMPROPER OPERATION OF FL S - COMPLETE ENGINE FAILURE ANCES - FORCED LANDING OFF	TION IGHT CONTROLS /FLAMEOUT-1 ENGINE	ANNING	·

			S OF ACCIDENTS		
FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOST	PILOT DATA	
	8/12/69 AMERICAN FORK,UT TIME - 1700		CR- 1 O O COMMERCIAL PX- 1 O 2 CTR PASSG-D	COMMERCIAL, FL.INSTR., AGE 31, 1840 TOTAL HOURS, 15 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE POINT SALT LAKE CITY,UT TYPE OF ACCIDENT COLLISION WITH GROUND/WATE	INTENDED DESTINATION ALPINE, UT  R UNCONTROLLED	LAST ENROUTE STOP PROVO,UT PHASE OF OPERATION TAKEOFF INITIAL CLIMA	RATED.	
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMING FACTOR(S) WEATHER - HIGH DENSITY ALTERNATION - HIGH DESTRUCTION WEATHER BRIEFING - NO BRIEF WEATHER FORECAST - UNKNOWN/	TITUDE NS ING RECEIVED			
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER OBSTRUCTIONS TO VISION AT AC	CCIDENT SITE	CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES		
	NONE WIND VELOCITY-KNOTS 20 TYPE OF FLIGHT PLAN NONE FIRE AFTER IMPACT REMARKS- DEN ALT APRX 10000		310 TYPE OF WEATHER CONDITIONS VFR		
3-3104	8/25/69 POINT BARROW,ALA: TIME - 1240	S BELL 47G-2 N953 DAMAGE-SURSTANTIAL	CR- 0 0 1 COMMERCIAL . PX- 0 0 0 AIR TAXI-PASSG	COMMERCIAL, AGE UNK/NR, 1647 TOTAL HOURS, 1234 IN TYPE, NOT INSTRUMENT	
	DEPARTURE POINT KAD RIVER, ALAS TYPE OF ACCIDENT ROLL OVER	INTENDED DESTINATION POINT PARROW, ALAS	PHASE OF OPERATION STATIC IDLING ROTORS	RATED.	
	PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMIN	NE D			

FILE	DATE	LOCATION	AIRCRAFT DATA	IN	JUR F	IES S M	/N	FLIGHT PURPOSC	PILOT DATA			
	7/22/69 TIME - 10	CORDELE,GA 30 POINT	HUGHES 269R N9438F DAMAGE-SUBSTANTIAL INTENDED DESTINATION CORDELE,GA	CR- PX-	0	0	1 0	COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 30, 1060 TOTAL HOURS, 398 IN TYPE, NOT INSTRUMENT RATED.			
	TYPE OF A		OUNDELLYON	PHASE OF OPERATION IN FLIGHT SWATH RUN								
	PROBABLE PILOT I		DGED ALTITUDE AND CLEARA	NCE								
	KIND OF PILOT'S GOGGLES COCKPIT TANK/HO	ATA OURS IN CROP CONT CROP — COTTON SEAT BELT — FAST — NOT USED CRASHPAD — NOT I PPER-LOCATION — S ON-AREA BEING TRE	ENED-PROPERLY NSTALLED IDES		T G C C	YPE CRAS CRAS CRAS	OF ES H H H B AIN	OPERATION - SPAYING CHEMICAL USED - LIQUIU - NOT USED ELMET - AVAILARLE-USED AR - NOT INSTALLED -TYPE - LEVEL, FLAT UN-HOW FLOWN - CROSSWII	O CHEMICAL-TOXIC			
3-3108	7/27/69 TIME - 11	CHEYFNNF,WYO	RELL 47G3R1 NB575F DAMAGE-SURSTANTIAL	P X -	0	0	0	COMMERCIAL AERIAL ADVERTISE	COMMERCIAL, FL.INSTR., AGE 37, 1768 TOTAL HOURS, 18 IN TYPE, NOT INSTRUMEN RATED.			
	DEPARTURE CHEYENN TYPE OF A MISCELL	NAME OF AIRPORT - CHEYENNE DEPARTURE POINT CHEYENNE, WYO  TYPE OF ACCIDENT MISCELLANEOUS HARD LANDING					ND I	F OPERATION NG FINAL APPROACH NG POWER-OFF AUTOROTA'	TIVE LANDING			
	FACTOR(S) WEATHER MISCELL WEATHER R WEATHER F	N COMMAND - IMPRO - UNFAVORAPLE WI ANEGUS ACTS, CONDI RIEFING - NO BRIE ORECAST - UNKNOWN	TIONS - JETTISONED LOAD FING RECEIVED									
	SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE					UN	LIM	AT ACCIDENT SITE ITED TATION AT ACCIDENT SIT	F			
	5 OR OVER OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE					NO	NE ERA	TURE-F	<del>-</del>			
	WIND DIRE 360			4 I ND	VE	LOCITY-KNOTS						
	TYPE OF W		1	TYPE NO		FLIGHT PLAN						

FILE .	DATE LOC	ATION	AIRCRAFT DATA	IN	JUR F	S IES	!/N		PILOT DATA
	A/18/69 MIDWEST TIME - 1510 NAME OF AIRPORT - DEPARTURE POINT BUFFALD, WYO	,WYN E N E TAYLOR RANCH INTE	ELL 4763B2	CR-	0	0	1	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, AGE 31, 2550 TOTAL HOURS, 4 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACCIDENT HARD LANDING				P		-	DF OPERATION ING POWER-OFF AUTOROTATIV	E LANDING
	PILOT IN COMMAND	- LACK OF FAM	- SIMULATED CONDIT MILIARITY WITH AIRC MAINTAIN ADEQUATE R	RAFT	R.P	·.M.			
3-3113	8/28/69 CASTAIC TIME - 0530	M	HILLER ACFT UH-12E 15349V DAMAGE-SURSTANTIAL					NONCOMMERCIAL BUSINESS	COMMERCIAL, AGE 49, 12510 TOTAL HOURS, 5193 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CASTAIC, CALIF TYPE OF ACCIDENT COLLIDED WITH W	CA	NDED DESTINATION STAIC, CALIF		p			DE OPERATION AERIAL TAXI, OTHER	
	PROBABLE CAUSE(S) PILOT IN COMMAND REMARKS- AIR TAXIII		DEE AND AVOID DRJEC						
3-3114	8/29/69 CENTERV TIME - 1515	1	BRANTLY 8-2 12125U DAMAGE-DESTROYED					MISCELLANEOUS TEST	COMMERCIAL, AGE UNK/NP, UNK/NR TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT CENTERVILLE,VA TYPE OF ACCIDENT ROLL OVER		NDED DESTINATION NTERVILLE, VA		ρ			DE OPERATION ING POWER-ON LANDING	NATED.
		TS, CONDITIONS	PERATION OF FLIGHT - GROUND RESONANCE		nus	;			-

FILE	DATE	LOCATION	AIRCRAFT DATA	IN.	JUR 11 F S	S M/N	N .	FLIGHT PURPOSE		PILOT DATA
3-3115	9/3/69 TIME - 0530	GILBERT,SC POINT	HUGHES 269A NH858F DAMAGE-SUBSTANTIAL INTENDED DESTINATION GILBERT,SC	CR- PX-	0 (	1 1	1 CC	OMMERCIAL RIAL APPLICATION	· · · · · · · · · · · · · · · · · · ·	COMMERCIAL, AGE 28, 227 TOTAL HOURS, 146 IN TYPE, NOT INSTRUMENT RATED.
	TYPE OF ACC	CIDENT WITH WIRES/POLE						PERATION HT SWATH RUN		
	PROBABLE CA		TO SEE AND AVOID OBJEC	CTS OR	กหรา	RU(	CTION	ıs		
	PILOT S S GOGGLES - COCKPIT (	JKS IN CROP CONTR CROP - BEANS SEAT BELT - UNKNO - NOT USED CRASHPAD - MOT IN			GL( CR)	VESH	DF EH S - N HELM BAR	PERATION - SPAYION MEMICAL USED - L MOT USED - NOT INSTALLEN - NOT INSTALLED MOT INSTALLED MOT INSTALLED MOT INSTALLED MOT FLOWN - CROS	IOUID CH USFD	
3-3116	9/4/69 TIME - 0830	FRIENDSWOOD,TEX	BELL 47G-2 N1712O DAMAGE-SUBSTANTIAL		0 0	) ; ) (	Z IN	STRUCTIONAL IAL		COMMERCIAL, FL.INSTR., AGE 58, 15175 TOTAL HOURS, 650 IN TYPE, NOT INSTRUMENT RATED.
٠	NAME OF AID DEPARTURE HOUSTON TYPE OF ACC HARD LANG	CIDENT	FLD INTENDED DESTINATION FRIENDSWOOD, TEX					DPERATION POWER-OFF AUTO	ROTATIVE	
	PILOT IN	NEOUS ACTS,CONDIT COMMAND - INADEO	IONS - SIMULATED CONDI UATE SUPERVISION OF FL PERATION OF FLIGHT CON	IGHT						
3-3122	9/25/69 TIME - 141	BARROW,ALAS 5	RELL 47G-2 N6751D DAMAGE-SURSTANTIAL		0 0	) )	1 CF 2 A	OMMERCIAL IR TAXI-PASSG		COMMERCIAL, FL.IMSTR., AGE 28, 2459 TOTAL HOURS, 1947 IN TYPE, NOT INSTRU- MENT RATED.
		CIDENT	NTYKE INTENDED DESTINATION RAKKOW,ALAS					DPERATION Initial Clima		MENI RATED.
	PILOT IN	COMMAND - IMPROP COMMAND - MISJUD	ER OPERATION OF FLIGHT GED ALTITUDE TO FORWARD FLT PLT LO			ΤŊ	)O M∪(	CH AND FRONT OF	FLOATS I	DUG INTO GRMO.

FILE	DATE LOCATI		I NJ	UR I I S	S M/N	J	FLIGHT PURPOSE	PILOT DATA	
		,ALAS HILLER ACFT FH1100 N431FH DAMAGE-SURSTANTIAL	CR- PX-	0 (	1		COMMERCIAL FIR TAXI-PASSG	COMMERCIAL, AGE 32, 4500	
	NAME OF AIRPORT - DEA								
		INTENDED DESTINATION ARCTIC VIL,ALAS					•		
	TYPE OF ACCIDENT			РН	SE	OF	OPERATION		
	PROPELLER/ROTOR ACC	IDENT TO PERSON		:	TAT	IC	IDLING ROTORS		
		ANEOUS-PERSONNEL PASSENGER WALKED INTO ROTATING T/R BL/	ADES.						
3-3125	9/11/69 WATSONVILL TIME - 1045	E,ÇALIF HILLER ACFT UH-12B N4785C					COMMERCIAL SEKIAL APPLICATION		
		DAMAGE-SUBSTANTIAL		.,	, ,,	, -	TENTAL ALLEGATION	NOT INSTRUMENT RATED.	
		INTENDED DESTINATION							
	WATSONVILLE, CALIF TYPE OF ACCIDENT	WATSONVILLE, CALIF		ם מ	SE	ΩE	OPERATION		
	COLLIDED WITH WIRE	S/POLES					GHT CLEANUP SWATH		
	PROBABLE CAUSE(S) PILOT IN COMMAND -	FAILED TO SEE AND AVOID OBJEC	CTS OR	กษร	rruc	TIC	nms		
	SPECIAL DATA								
	TOTAL HOURS IN CROP	CONTROL - UNKNOWN/NOT REPORT	TED	_			PERATION - SPAYING C	• • • • • • • • • • • • • • • • • • • •	
	KIND OF CROP - LETT GLOVES - USED	UCE					CHEMICAL USED - LIQUII - USED	D CHEMICAL-TOXIC	
	CRASH HELMET - AVAI	LABLE-USED					RASHPAD - NOT INSTAL	LED	
	CRASH BAR - NOT INS			TANK/HOPPER-LOCATION - SLING LOADED					
	TERRAIN-TYPE - LEVE	L, FLAI		۴LI	· V AT	IOV	-AREA BEING TREATED-	HHEI - 30	

			BRIEFS	OF A	C+, I	17 1.14	13		
FILE		ATION	AIRCRAFT DATA		F	SM	/N	PURPOSE	PILOT DATA
	9/29/69 CHEYENNE TIME - 0837	E +HYO	HUGHES 269R N9484F DAMAGE-SURSTANTIAL	CR-	0	0	ľ	COMMERCIAL AIR TAXI-PASSG	ATR, FLIGHT INSTR., AGE 26, 520 TOTAL HOURS, 70 I TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - (		LUTENCED RECTION						
	DEPARTURE POINT CHEYENNE, WYO		INTENDED DESTINATION CHEYENNE, WYO						•
	TYPE OF ACCIDENT COLLIDED WITH W		•		þ			F DPERATION NG GO-AROUND	
			ATE PREFLIGHT PREPARAT D UNSUITABLE TERRAIN	ION A	NÐ/	OR.	PLA	NNING	
		- FAILED	TO MAINTAIN ADEQUATE F	OTOR	R.P	.M.			
	FACTOR(S) WEATHER - HIGH DI TERRAIN - HIGH DI								
	WEATHER BRIEFING - WEATHER FORECAST -								
	SKY CONDITION		С	EIL	ING	AT ACCIDENT SITE			
	CLEAR VISIBILITY AT ACCIDENT SITE							ITED TATION AT ACCIDENT SITE	•
	5 OR OVER					NO		TATION AT ACCIDENT SITE	
	OBSTRUCTIONS TO VI:	SION AT AC	CIDENT SITE		Ŧ			TURE-F	
	WIND DIRECTION-DEG	REES			W			LOCITY-KNOTS	
	10 TYPE OF WEATHER CO	NDITIONS			Ŧ	5 YPE	OF	FLIGHT PLAN	
	VFR	•				MO			
	REMARKS- AIMID LDG	IN SMALL	PARKING LOT SURROUNDED	) BY W	IKE	S , R	LDG	S. HIT 2 AUTOS. DENSITY	7 ALT 7800 FT.
3-3135	10/4/69 PHOENIX	, ARIZ	HUGHES 269A						ATR, FLIGHT INSTR., AGF
	TIME - 1500		N8750F DAMAGE-SUBSTANTIAL	PX-	O	U	1	BUSINESS	36, 3601 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT PHOENIX, ARIZ		INTENDED DESTINATION PHOENIX, AR1Z						
	TYPE OF ACCIDENT ROLL OVER				Ρ			F OPERATION NG POWER-OFF AUTOROTAT	TIVE LANDING
	PROBABLE CAUSE(S)  PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTF  PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT  FACTOR(S)  TERRAIN - SANDY								•
		AUTOROTATI	ON.R SKID DUG IN SAND.	PLT F	AD	REE	N T	OLD BY CK-OUT INSTR HE	NEEDED 10 HRS DUAL.

FILE .			AIRCRAFT DATA		URIES S M	/ V		PILOT DATA
3-3139	10/10/69 SA TIME - 1510	NTA ANA, CALIF	BELL 4701 N9673Z DAMAGE-SURSTANTIAL	CR- PX-	0 0 0 0	1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 36, 689 TOTAL HOURS, 220 IN TYPE, NOT INSTRU- MENT RATED.
	SANTA ANA, O	CALIF DENT LURE OR MALFUNCT	INTENDED DESTINATION SANTA ANA, CALIF		IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	TIVE LANDING
	MISCELLANES PILOT IN CO COMPLETE POWE EMERGENCY CHE	DMMAND - INADEQU DUS ACTS, CONDITI DMMAND - IMPROPE ER LOSS - COMPLE RCUMSTANCES - FF	DATE PREFLIGHT PREPARAT ONS - FUEL EXHAUSTION OR IN-FLIGHT DECISIONS TE ENGINE FAILURE/FLAM PRCED LANDING OFF AIRPO WN SLOPE INSTEAD OF SI	OR PLA 4EOUT-1 ORT ON	NNING ENGI LAND		NN ING	
3-3142	10/18/69 GG TIME - 1800	ONZALES,CALIF	HUGHES 269A NB796F DAMAGE-SUBSTANTIAL	PX-	0 0 0 0	1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 27, 2572 TOTAL HOURS, 100 IN TYPE, NOT INSTRU- MENT RATED.
	SALINAS, C.	ALIF DENT LURE OR MALFUNCT	INTENDED DESTINATION GONZALES, CALIF		11	FL	F OPERATION IGHT NORMAL CRUSSE NG POWER-OFF AUTOROTA	
	MISCELLANE PILOT IN COMPLETE POW	OMMAND - INADEOL DUS ACTS, CONDITI DMMAND - IMPROPE ER LOSS - COMPLE	DATE PREFLIGHT PREPARATIONS - FUFL EXHAUSTION FR OPERATION OF FLIGHT FOR ENGINE FAILURE/FLAMPCED LANDING OFF AIRPO	CONTRO MEOUT-1	ILS ENGI		NNING	
3-3149	10/31/69 LITIME - 1005	DOMIS,WASH	RELL 47G-2 N2803P DAMAGF-DESTROYED				MISCELLANEOUS FERRY	COMMERCIAL, AGE 28, 1200 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT
	DEPARTURE PO LOOMIS, WASI TYPE OF ACCIO COLLIDED W	H DENT	INTENDED DESTINATION LOOMIS, WASH				F OPERATION IGHT OTHER	RATED.
	PROBABLE CAU MISCELLANE SACTOR(S) TERRAIN - FIRE AFTER I					·		

FILE .		AIRCRAFT DATA	F	S	M/N	FLIGHT PURPOSE	PILOT DATA				
3-3155	11/21/69 NR.CAPE BEAUFRT, TIME - 1345 DEPARTURE POINT CAPE BEAUFRT, ALAS TYPE OF ACCIDENT	ALAS BELL 47J-2 NB506F DAMAGE-SUBSTANTIAL	CR- C	0 0	0	COMMERCIAL AIR TAXI-PASSG  OF OPERATION	COMMERCIAL, AGE 24, 3320 TOTAL HOURS, 46 IN TYPE, NOT INSTRUMENT RATED.				
	PROPELLER/ROTOR FAILURE TAIL ROTOR  IN FLIGHT NORMAL CRUISE  HARD LANDING  LANDING POWER-OFF AUTOROTATIVE LANDING										
	PROBABLE CAUSE(S) AIRFRAME - FUSELAGE FA MISCELLANEOUS ACTS, COND PILOT IN COMMAND - IMPR EMERGENCY CIRCUMSTANCES - REMARKS- COUPLING UNIT SP	ITIONS - SHEARED OPER OPERATION OF FLIGHT FORCED LANDING OFF AIRPO DIRECTIONAL CONTROL PROB	KT ON L				•				
3-3187	11/6/69 JOLIET,1LL	HUGHES 269A N8861F	CR- (	0	2	INSTRUCTIONAL	COMMERCIAL, FL.INSTR.,				
	TIME - 1550	N8861F DAMAGE-SUBSTANTIAL	PX- (	) ()	0	DUAL	AGE 38, 465 TOTAL HOURS, 100 IN TYPE, NOT INSTRU- MENT RATED.				
	NAME OF AIRPORT - JOLIET DEPARTURE POINT JOLIET,ILL TYPE OF ACCIDENT	INTENDED DESTINATION JOLIET, ILL				OF OPERATION					
	HARD LANDING			ι	AND:	ING POWER-OFF AUTOROTATIV	ELANDING				
		ITIONS - SIMULATED CONDIT OPER OPERATION OF FLIGHT		. 5							
3-3208	7/19/69 LAKEVILLE,MINN TIME - 1625	BELL 47G-2 N2490B DAMAGE-SURSTANTIAL	CR- (	) 0	1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	NO CERTIFICATE, AGE 23, ( TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.				
	NAME OF AIRPORT - AIRLAKE DEPARTURF POINT LAKEVILLE, MINN TYPE OF ACCIDENT COLLISION WITH GROUND/N	INTENDED DESTINATION UNKNOWN/NOT REPORTED	) ·	PHA	SE 1	NROUTE STOP DWN/NOT REPORTED DF OPERATION DFF OTHER					
	MISCELLANEOUS - UNQUALI	MPTED OPERATION REYOND E: FIED PERSON OPERATED AIR ORNE, MOVED APRX 15 FT, ROI	CRAFT			ITY LEVEL STATED HE HAD BEEN DRINKIN:	G REER.				

		BRIEF	S OF ACCIDENTS		
FILE	DATE LOCATI	ON AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3249	7/25/69 FRESNO,CAL TIME - 0930	N1130W DAMAGE-SURSTANTIAL	PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 33, 6225 TOTAL HOURS, 1200 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - FRE DEPARTURE POINT FRESNO, CALIF TYPE OF ACCIDENT PROPELLER/ROTOR FAI COLLIDED WITH WIRE	INTENDED DESTINATION FRESNO, CALIF	TAKE	OF OPERATION DEF INITIAL CLIMB NG FINAL APPROACH	
	MISCELLANEOUS ACTS, TERRAIN — HIGH OBST	ISSION ROTOR DRIVE SYSTEM T CONDITIONS - FATIGUE FRACTU RUCTIONS LES - FORCED LANDING OFF AIRP DIRECTIONAL CONTROL PRO	REPORT ON LAND	E SHAFT ASSEMBLY	
3-3250	7/23/69 LARGO,FLA TIME - 1330	BELL 47G-5 N4O41G DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	COMMERCIAL ASSOC CROP CTL ACTIVIT	TYPE, NOT INSTRUMENT
	DEPARTURE POINT LARGO,FLA TYPE OF ACCIDENT COLLISION WITH GROU	INTENDED DESTINATION LARGO,FLA UNCONTROLLED		OF OPERATION LIGHT UNCONTROLLED DESC	RATED. .Ent
	PROBABLE CAUSE(S) PERSONNEL - MISCELL	ANEOUS-PERSONNEL OTHER			
	KIND OF CROP - MOSE PILOT'S SEAT RELT - GOGGLES - NOT USED COCKPIT CRASHPAD - TANK/HOPPER-LOCATIO	- FASTENED-PROPERLY	TYPE OF GLOVES CRASH CRASH	F OPERATION - OTHER F CHEMICAL USED - LIOUIG - NOT USED ELMET - AVAIALABLE-NOT BAR - NOT INSTALLED	USED
3-3262	8/1/69 BANKSVILLE TIME - 1110 DEPARTURE POINT DANBURY, CONN TYPE OF ACCIDENT	,NY BELL 2064 N1431W DAMAGE-SURSTANTIAL INTENDED DESTINATION BANKSVILLE,NY	PX- 0 0 0	OF OPERATION	COMMERCIAL, AGE 30, 1612 TOTAL HOURS, 243 IN TYPE, NOT INSTRUMENT RATED.
	PILOT IN COMMAND - EMERGENCY CIRCUMSTANC	INADEQUATE PREFLIGHT PREPARA IMPROPER OPERATION OF FLIGHT SES - PRECAUTIONARY LANDING O LOW ON FUEL SUEL GAUGE READ 5 GALS.	ATION AND/OR PL CONTROLS	ING POWER-OFF AUTOROTAT	

FILE	DATE LOCATION		AIRCRAFT DATA	IN.	UR :	IES S M	/ N	FLIGHT PURPOSE	PILOT DATA	
3-3283	7/24/69 TIME - 144		HUGHES 269A N8884F DAMAGE-DESTROYED						PRIVATE, AGE 40, 606 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.	
	GEAUGA TYPE OF AC MISCELLA	CIDENT	TENDED DESTINATION CLEVELAND,OH10		ρ	ΙN	FL	OF OPERATION .IGHT NORMAL CRUISE .NG POWER-OFF AUTOROTATIV		
	TERRAIN EMERGENCY	- ENG OVERSPEED, CAUS - HIGH OBSTRUCTIONS CIRCUMSTANCES - FOR	CED LANDING OFF AIRP							
3-3293	NAME OF AL	0 RPORT - SAN MANUEL	N4454 DAMAGE-DESTROYED					NONCOMMERCIAL PLEASURE/PERSONAL TRANSP		
	DEPARTURE POINT INTENDED DESTINATION SAN MANUEL, ARIZ SAN MANUEL, ARIZ  TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS IN FLIGHT OTHER COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT									
	FACTOR(S) MISCELLA	AUSE(S) COMMAND - IMPROPER NEOUS ACTS, CONDITION OTOR PLADE HIT RUDD	E AND PROP SEPRATD							

PAGE 88

FILE	DATE LOCATION	AIRCRAFT DATA		F	S	M/N	PURPOSE	PILOT DATA
	12/10/69 PT WASHINGTON TIME - 1400		CR- PX-	CR- 0 0 1 NONCOMMERCIAL PX- 0 0 0 BUSINESS	COMMERCIAL, FL.IMSTR., AGE 68, 8235 TOTAL HOURS, 52 IN TYPE, NOT INSTRUMENT RATED.			
	MAME OF AIRPORT - THOMSO DEPARTURE POINT PT WASHINGTON,NY TYPE OF ACCIDENT COLLISION WITH GROUNDA	INTENDED DESTINATION PT WASHINGTON,NY		þ			F OPERATION AERIAL TAXI TO/FROM	
	ROLL OVER				L	I CINA	NG POWER-OFF AUTORO	TATIVE LANDING
	PROBABLE CAUSE(S) PILOT IN COMMAND - MIS FACTOR(S) SYSTEMS - FLIGHT CONTE MISCELLANEOUS ACTS.COM WEATHER - UNFAVORABLE WEATHER BRIEFING - NO BE WEATHER FORECAST - UNKNO	OL SYSTEMS FLIGHT CONTRO IDITIONS - ERRATIC WIND CONDITIONS LIEFING RECEIVED	L ROOS	ST S	545	TEMS	, HYDRAULIC	
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT S 5 OR OVER OBSTRUCTIONS TO VISION A			P	2 PRE R	000 CIPI AIN	AT ACCIDENT SITE  TATION AT ACCIDENT S  TURE-F	ITE
	NONE			4	5			
	WIND DIRECTION-DEGREES 45				1	5	LOCITY-KNOTS	
	TYPE OF WEATHER CONDITION VER	INS		1		E OF ONE	FLIGHT PLAN	
	REMARKS- ATTEMPTED LDG (	ON DOLLY.REAR OF DOLLY HAL	F WAY	IN	WΔ	TER.	APRX 5FT FROM DOLLY,	SLOW TAXI, T/R HIT WATER
-3345	7/26/69 LEXINGTON,1LL TIME - 1830	. HUGHES 269A NB769F DAMAGE-SURSTANTIAL	PX-				INSTRUCTIONAL DUAL	COMMERCIAL, FL.INSTR., AGE 27, 450 TOTAL HOURS, ALL IN TYPE, MOT INSTRU- MENT RATED.
	DEPARTURE POINT LEXINGTON,ILL TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINATION LEXINGTON, ILL					F OPERATION NG POWER-OFF AUTORO	
	PROBABLE CAUSE(S) MISCELLANEOUS ACTS,COM PILOT IN COMMAND - IMP		ยกเ ร	5				

		TION AIRCRAFT DATA								
	8/2/69 BISHOP,C TIME - 0855	ALIF BELL 47G3B1 N6219N DAMAGF-SUBSTANT INTENDED DESTINATI	CR- 0 0 1 NONC PX- 0 0 0 BUSI IAL ON PHASE OF OPE	COMMERCIAL INESS	COMMERCIAL, AGE 44, 7904 TOTAL HOURS, 555 IN TYPE, NOT INSTRUMENT RATED.					
	PILOT IN COMMAND	- IMPROPER LEVEL OFF - IMPROPER OPERATION OF FLI DG,BENT T/R GUARD ALLOWING		T/R DRIVE SHAFT.						
3-3426	8/4/69 HEMINGFO TIME - 1900	IRD,NEBR BELL 4763B1 N73249 DAMAGE-SUBSTANT INTENDED DESTINATI HEMINGFORD,NEBR	CR- 0 0 1 M1SC PX- 0 0 1 FERF	CELLANEOUS RY	COMMERCIAL, AGE 34, 2208 TOTAL HOURS, 58 IN TYPE, NOT INSTRUMENT RATED.					
	TYPE OF ACCIDENT	CCIDENT PHASE OF OPERATION FAILURE OR MALFUNCTION IN FLIGHT NORMAL CRUISE								
	MISCELLANEOUS ACT PILOT IN COMMAND COMPLETE POWER LOSS	- INADEQUATE PREFLIGHT PREP S,CONDITIONS - FUEL EXHAUST - IMPROPER OPERATION OF FLI S - COMPLETE ENGINE FAILURE/ NCES - FORCED LANDING OFF A	ION GHT CONTROLS FLAMEOUT-1 ENGINE	3						
3-3478		FALL,MINN BELL 47J N2863R DAMAGF-SUBSTANT		MERCIAL DC CROP CTL ACTIVITY	COMMERCIAL, AGE 42, 2512 TOTAL HOURS, 26 IN TYPE, NOT INSTRUMENT RATED.					
		INTENDED DESTINATI PEDWOOD FALL,MIN	N PHASE OF OPE	ERATION IAL TAXI TO/FROM LAND	ING					
		- MISJUDGED CLEARANCE RMINAL BLDG WHILE IN A HOVE	RING TURN.							

FILE	DATE	LOCATION	AIRCRAFT DATA		JURIE F S	M/N		PILOT DATA
	7/9/69 TIME - O DEPARTURE ERNIE TYPE OF ENGINE	NR.BETTLES,ALAS 0845	HILLER ACFT UH12E N5362V DAMAGE-SURSTANTIAL NTENDED DESTINATION SIXTY MILE CK;ALAS	CR-	O O O O	1 2 SE (	COMMERCIAL  AIR TAXI-PASSG  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATIV	COMMERCIAL, AGE 36, 4212 TOTAL HOURS, 470 IN TYPE, NOT INSTRUMENT RATED.
	POWERF MISCEL PILOT COMPLETE EMERGENO	E CAUSE(S) LANT - ENGINE STRUCTU LANEOUS ACTS, CONDITIO IN COMMAND - FAILED T E POWER LOSS - COMPLET CY CIRCUMSTANCES - FOR - NR 5 CYL CON ROD CAP	NS - FATIGUE FRACTUR O MAINTAIN ADEQUATE R E ENGINE FAILURE/FLAM CED LANDING OFF AIRPO	E OTOR EOUT-	R.P.M 1 ENG			
3-3558	8/12/69 TIME - 1		BELL 47G-2 N1774 Damage-Surstantial				MISCELLANEOUS OTHER	COMMERCIAL, AGE 27, 1154 TOTAL HOURS, 112 IN TYPE, NOT INSTRUMENT RATED.
·	DEPARTUR SPRING TYPE OF ENGINE	AIRPORT - CAPITAL  RE POINT I  FFIELD, ILL  ACCIDENT  FAILURE OR MALFUNCTI  AND ING	E LANDING					
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANN NISCELLANEOUS ACTS, CONDITIONS - FUFL EXHAUSTION PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS CUMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- SIGHT-SEEING FLT.SHELBY HERO CONVERSION.						<b>ann i n</b> g	
3-3595	7/23/69 TIME - 1	STIRLING CY,CALIF	RELL 47G3R1 N8529F DAMAGE-SUBSTANTIAL				COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, AGE 35, 8900 TOTAL HOURS, 1400 IN TYPE, NOT INSTRUMENT
	STIRL: TYPE OF ENGINE	RE POINT I ING CY,CALIF ACCIDENT E FAILURE OR MALFUNCTI DED WITH TREES	NTENDED DESTINATION STIRLING CY, CALIF ON		Т	AKE	DF OPERATION DFF INITIAL CLIMA ING FINAL APPROACH	RATED.
	PROBABLE CAUSE(S)  POWERPLANT - EXHAUST SYSTEM EXTERNAL SUPERCHARGER MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE TERRAIN - HIGH OBSTRUCTIONS  PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- OXIDATION, COKE BUILD UP IN TURRINE WHEEL CAUSED METAL FATIGUE FAILURE.							

DATE	LOCATION	AIRCRAFT DATA	1 N	JURIE F S	S M/N	FLIGHT PURPOSE	PILOT DATA			
9/2/69 TIME - 17	NR.PRUDHOE BAY,ALAS	S SIKORSKY S-64E N6964R DAMAGE-DESTROYED	CR- PX-	2 0 1 0	0	COMMERCIAL CTR CARGO-D	COMMERCIAL, AGE 37, 4787 TOTAL HOURS, 830 IN TYPE INSTRUMENT RATED.			
DEPARTURE PRUDHO	POINT DE BAY, ALAS	INTENDED DESTINATION 32 MI.NW PRUDHOE BA	Y							
€0LL1S1	ION WITH GROUND/WATE	R UNCONTROLLED		I	N FL	IGHT UNCONTROLLED D	ESCENT			
ROTORCE MISCELI PERSON	RAFT - FLIGHT CONTRO LANEOUS ACTS, CONDITI NEL - PRODUCTION-DES	ONS - FATIGUE FRACTUR	E			SYSTEM .				
MISCELI	LANEOUS ACTS, CONDITE	IONS - SEPARATION IN FL	IGHT							
		08-108,MISSING.T/R PITC	H CTL	LINK	AS:	Y FAILED.GENL IN FLI	GHT BREAKUP OF ACFT.			
8/29/69	NR . CORDOVA . ALAS	BELL 47G-2	CR-	0 0	1	MISCELLANERUS	AIRLINE TRANSPORT, AGE			
				ñ ô	ō	FERRY	50, 14500 TOTAL HOURS, 3025 IN TYPE, INSTRUMENT			
DEPARTURI	E POINT	INTENDED DESTINATION					RATED.			
TYPE OF	ACC IDENT	CONDOVAÇALAS								
PILOT	PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S)									
		A HOVER HELICOPTER SETT	LED O	ท หกบ	GH '	ERRAIN.				
8/26/69	IRWIN LOWA	RELL 476-5	CR-	0 (	1	COMMERCIAL	COMMERCIAL, AGE 31, 193			
		DAMAGE CHOCTANTIAL		o c	0	AERIAL APPLICATION				
		INTENDED DESTINATION								
TYPE OF ACCIDENT  COLLIDED WITH WIRES/POLES  IN FLIGHT SWATH RUN										
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS										
SPECIAL TOTAL KIND O	SPECIAL DATA									
PILOT . GOGGLE	S SEAT BELT - UNKNO S - NOT USED	WN/NOT REPORTED		GL ( CR A	VES SH	- USED HELMET - AVAILABLE-US				
COCKPI	T CRASHPAD - NOT IN	STALLED		CR/	SH	BAR - NOT INSTALLED				
	9/2/69 TIME - 17 DEPARTURE PRUDHE PRUDHE COLLIST  PROBABLE ROTORCE MISCELI PERSONNI FACTOR (S MISCELI FIRE AFTIR REMARKS - 10 DEPARTURE SCOTT TYPE OF ROLL O'  PROBABLE PILOT FACTOR (S TERRAIL REMARKS - 10 DEPARTURE TACTOR (S TERRAIL REMARKS -	9/2/69 NR.PRUDHOE BAY,ALAS TIME - 1735  DEPARTURE POINT PRUDHOE BAY,ALAS TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE COLLISION WITH GROUND/WATE  PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTRO MISCELLANEOUS ACTS,CONDITI PERSONNEL - PRODUCTION-DES FACTOR(S) MISCELLANEOUS ACTS,CONDITI FIRE AFTER IMPACT REMARKS- GUARD,PN 65113-0710  8/29/69 NR.CORDOVA,ALAS TIME - 1900  DEPARTURE POINT SCOTT GLACIER,ALAS TYPE OF ACCIDENT ROLL OVER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A  8/26/69 IRWIN,IOHA TIME - 1530  DEPARTURE POINT IRWIN,IOWA TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES PROBABLE CAUSE(S) PILOT IN COMMAND - INADEO PILOT IN COMMAND - FAILED	9/2/69 NR.PRUDHOE BAY, ALAS SIKORSKY S-64E TIME - 1735 . NA964R  DEPARTURE POINT INTENDED DESTINATION PRUDHOE BAY, ALAS 32 MI.NW PRUDHOE BA TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR COLLISION WITH GROUND/WATER. UNCONTROLLED  PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTUR PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FL FIRE AFTER IMPACT REMARKS- GUARD, PN 65113-07108-108, MISSING.T/R PITC  8/29/69 NR.CORDOVA, ALAS BELL 47G-2 N2822B DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION SCOTT GLACIER, ALAS CORDOVA, ALAS TYPE OF ACCIDENT ROLL OVER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE R FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A HOVER HELICOPTER SETT  8/26/69 IRWIN, IOHA BELL 47G-5 N7801S DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION INTENDED DESTINA	9/2/69 NR.PRUDHOE BAY,ALAS SIKORSKY S-64E CR- TIME - 1735 NASO64R PX- DAMAGF-DESTROYED DEPARTURE POINT INTENDED DESTINATION PRUDHOE BAY,ALAS 32 MI.NW PRUDHOE BAY  TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED  PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY INST FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT FIRE AFTER IMPACT REMARKS- GUARD,PN 65113-07108-108,MISSING.T/R PITCH CTL  8/29/69 NR.CORDOVA,ALAS BELL 47G-2 CR- TIME - 1900 N2822B PX- DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION SCOTT GLACIER,ALAS CORDOVA,ALAS TYPE OF ACCIDENT ROLL OVER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A HOVER HELICOPTER SETTLED O  8/26/69 IRWIN,10HA BELL 47G-5 CR- TIME - 1530 N7801S DAMAGE-SURSTANTIAL  DEPARTURE POINT INTENDED DESTINATION IRWIN,10MA IRWIN,10MA TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION A TYPE OF ACCIDENT COLLIDED WITH WIRES/POLES  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR  SPECIAL DATA TOTAL HOURS IN CROP CONTROL - 500 KIND OF CROP - CORN PILOT'S SEAT BELT - UNKNOWN/NOT REPORTED	9/2/69 NR.PRUDHOE BAY,ALAS SIKORSKY S-64E CR- 2 0 TIME - 1735 N6964R PX- 1 0 DAMAGF-DESTROYED DEPARTURE POINT INTENDED DESTINATION PRUDHOE BAY,ALAS 32 MI.NW PRUDHOE BAY  TYPE OF ACCIDENT PHOPELLER FAILURE TAIL ROTOR PUTCH CONTINUED INTENDED DESTINATION PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTINUES FRACTURE PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY INSTALLAT FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY INSTALLAT FREAFTER IMPACT REMARKS- GUARD,PN 65113-07108-108,MISSING.T/R PITCH CTL LINK  8/29/69 NR.CORDOVA,ALAS BELL 47G-2 CR- 0 0 TIME - 1900 N282B PX- 0 0 DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION SCOTT GLACIER,ALAS CORDOVA,ALAS TYPE OF ACCIDENT PHA ROLL OVER L  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A HOVER HELICOPTER SETTLED ON ROU  8/26/69 IRWIN,IOMA BELL 47G-5 CR- 0 0 DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION IRWIN,IOWA INTENDED DESTINATION INTENDED DESTINA	9/2/69 NR.PRUDHOF BAY,ALAS SIKORSKY S-64E CR- 2 0 0 0 TIME - 1735 N6964R PX- 1 0 0 DAMAGF-DESTROYED DEPARTURE POINT INTENDED DESTINATION PRUDHOE BAY,ALAS 32 MI.MW PRUDHOE BAY TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE TAIL ROTOR IN FL COLLISION WITH GROUND/WATER UNCONTROLED IN FL PROPBELLER/ROTOR FAILURE TAIL ROTOR IN FL COLLISION WITH GROUND/WATER UNCONTROLED IN FL MISCELLANEOUS ACTS,CONDITIONS - FAILURE FRACTURE PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY INSTALLATION FACTOR (S) MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT FIRE AFTER IMPACT REMARKS- GUARD,PN 65113-07108-108,MISSING.T/R PITCH CTL LINK ASS  8/29/69 NR.CORDOVA,ALAS BELL 47G-2 CR- 0 0 1 TABE - 1900 DAMAGE-SUBSTANTIAL  DEPARTURE POINT INTENDED DESTINATION SCOTT GLACIER,ALAS CORDOVA,ALAS CORDOVA,ALAS TYPE OF ACCIDENT CORDOVA,ALAS CORDOVA,ALAS PHOSE CORDOVA,ALAS PLOYAGE PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S)  1 TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A HOVER HELICOPTER SETTLED ON ROUGH TO THE PROBABLE CAUSE(S) NTBO1S PX- 0 0 0 DAMAGE-SUBSTANTIAL  1 NTENDED DESTINATION INTENDED DESTINATION INTENDE	PROPELLER/ROTOR FAILURE TAIL ROTOR COLLISION WITH GROUND/WATER UNCONTROLLED  PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE PERSONNEL - PRODUCTION-DESIGN INCORRECT FACTORY INSTALLATION FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT FIRE AFTER IMPACT REMARKS- GUARD, PN 65113-07108-108, MISSING. T/R PITCH CTL LINK ASSY FAILED. GENL IN FLI  8/29/69 NR. CORDOVA, ALAS AFLL 476-2 CR- 0 0 1 MISCELLANEOUS N2822R PX- 0 0 0 FERRY  DAMAGE-SUBSTANTIAL  DEPARTURE POINT SCOTT GLACIER, ALAS CORDOVA, ALAS TYPE OF ACCIDENT ROLL OVER  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) TERRAIN - ROUGH/UNEVEN REMARKS- AFTER LIFT-OFF TO A HOVER HELICOPTER SETTLED ON ROUGH TEKRAIN.  8/26/69 IRWIN, IOWA IN FLIGHT SWATH RUN  PHASE OF OPERATION IN FLIGHT SWATH RUN  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS			

FILE	UATE		AIRCRAFT DATA					FLIGHT PURPOSE		LOT DATA
3-3753		ROY,N MEX	HUGHES 269A NB855F DAMAGF-SURSTANTIAL NTENDED DESTINATION LOCAL	CR-	0 0	ı	ИОМ	COMMERCIAL INESS	PRIVATE, TOTAL HOU	AGE 35, 2034 RS, 865 IN TYPE, UMENT RATED.
	TYPE DE ACC MISCELLAN HARD LAND	Enus			I	N F	1GHT	ERATION HOVERING POWER-GEF AUTHROT	ATIVE LANDING	
	MISCELLAN EMERGENCY C	T - TRANSMESSION RI EOUS ACTS+CONDITION IRCUMSTANCES - FOR	OTOR DRIVE SYSTEM OT NS - MATERIAL FAILURE CFD LANDING OFF AIRPO PN 80269A 5504-5,SEP	RT ON			ING U	P CATTLE.		
3-3754	11/21/69 TIME - 0707		BELL 47J N73921 DAMAGE-SUBSTANTIAL					MERCIAL TAXI-PASSG	TOTAL HOU	L, AGE 48, 8833 RS, 4543 IN TRUMENT R∆TED.
		PORT - SANTA BARBAF DINT IN LIF							,	
	TYPE OF ACC MISCELLAN HARD LAND	EOUS	•		T	AKE	)FF	ERATION INITIAL CLIMA POWER-OFF AUTOROTA	ATIVE LANDING	
	EMERGENCY C	EOUS <mark>- UNDE</mark> TERMINE IRCUMSTA <mark>NCES -</mark> FOR	D CED LANDING ON AIRPOR LOSS OF ROTOR RPM. S						UNIT.NO EVIDENC	E FOUND
3-3789	12/15/69 NR TIME - 1355	GRND CANYON, ARIZ	BELL 206A N1479W DAMAGE-DESTROYED					MERCIAL STRUCTION	TOTAL HOU	L, AGE 47, 5124 RS, 210 IN TYPE, UMENT RATED.
	DEPARTURE P	DINT II NGEL CK.ARIZ	NTENDED DESTINATION LOCAL							
	TYPE OF ACC MISCELLAN	IDENT EOUS			I	N F	IGHT	ERATION  NORMAL CRUISE  UNCONTROLLED DE	SCENT	
	COLLISION WITH GROUND/WATER UNCONTROLLED IN FLIGHT UNCONTROLLED DESCENT  PROBABLE CAUSE(S)  PILOT IN COMMAND - EXERCISED POOR JUDGMENT ROTORCRAFT - ROTOR ASSEMBLIES TAIL ROTOR BLADES MISCELLANEOUS - FOREIGN OBJECT DAMAGE									
	FACTOR(S)									

FILE	DATE	LOCATION	AIRCRAFT DATA	INJ	UR	IES S M	/N	FL 1GHT PURPOSE	PILOT DATA	
3-3825	8/31/69 TIME - 15	VALLEY CENTR, KANS	BENSEM R-8 N9144 DAMAGE-SURSTANTIAL	CR- PX-	0	ი 0	1 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSI	STUDENT, AGF 44, 53 TOTAL P HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.	
	NAME OF A	NIRPORT - DAVIDSON PV								
		CENTR, KANS	NTENDED DESTINATION LOCAL							
	TYPE OF ACCIDENT PHASE OF OPERATION ROLL OVER TAKEOFF ABORTED									
	MISCELL TERRAIN EMERGENCY FIRE AFTE	IN COMMAND - MISJUDGE ANEOUS - EVASIVE MAN V - WET, SOFT GROUND V CIRCUMSTANCES - PRE ER IMPACT	D DISTANCE, SPEED, AND EUVER TO AVOID COLLIS CAUTIONARY LANDING OF ON LOW TO CLEAR HEDGE	SION FE AIRP	OR	Ţ	ΔBΩ	RTED TAKEOFF, LANDED IN A	PLOWED FIELD.	
3-3923	9/3/69 TIME - 14	SANTA FE,N MEX	BELL 47J2B N6224N					COMMERCIAL MAPPING/PHOTO	COMMERCIAL, AGE 33, 6750 TOTAL HOURS, 200 IN TYPE, NOT INSTRUMENT RATED.	
	DEPARTURE	PUINT I	DAMAGE-SUBSTANTIAL NTENDED DESTINATION						NOT INSTRUMENT RATED.	
	TYPE OF	FE,N MEX ACCIDENT FAILURE OR MALFUNCTI	LOCAL		ρ			F OPERATION FF INITIAL CLIMB		
	HARD L				LA	NDI	NG LEVEL OFF/TOUCHDOWN			
	POWERPI SYSTEM MISCELI MISCELI COMPLETE EMERGENCY	LANEOUS ACTS,CONDITION LANEOUS - EVASIVE MAN POWER LOSS - COMPLET Y CIRCUMSTANCES - FOR	PUMPS  GENERATORS/ALTERNA  INS - ELFCTRICAL FAIL  EUVER TO AVOID COLLI  E ENGINE FAILURE/FLA  CED LANDING OFF AIRPI  UEL PUMP NOT OPERATI	URE SION MEOUT-1 ORT ON	LΔ	MD		KST AVOIDING TREES.		
2 2024	<b>9/</b> 8/69	HOLLICTED CALLE	BELL 47G	C D	•	α		COMMERCIAL	COMMERCIAL, AGE 37, 1141	
3-3920	TIME - 10	HOLLISTER, CALIF	N7985A DAMAGF-DESTROYED	PX-	ö	n	1	COMMERCIAL POWER/PIPELINE	TOTAL HOURS, 528 IN TYPE, NOT INSTRUMENT RATED.	
	NAME OF	AIRPORT - HOLLISTER	NTENDED DESTINATION			۸ C T	EN	NUTE STOP		
		RD ARPT	MANTECA, CALIF		١	, , , , , , , , , , , , , , , , , , ,	เกรา	ISTER ARPT		
	TYPE OF		011	PHASE OF OPERATION IN FLIGHT NORMAL CRUISE						
	ROLL O	FAILURE OR MALFUNCTI VER						NG POWER-OFF AUTOROTATI	VE LANDING	
	POWERP TERRAI	N - ROUGH/UNEVEN	POWERPLANT FAILURE		DET	FERM	INE	ED REASONS		
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT									
	REMARKS - HAD EXPERIENCED PLOG FOULING PRIOR THIS FLT. WAS ABLE TO REMOVE 6 PLUGS, EVIDENCE OF FOULING FOUND.									

FILE .			AIRCRAFT DATA	F	=	5 M	/ N	PURPOSE	PILOT DATA
3-4082		BARROW, ALAS	HILLER ACFT FH1100 N423FH DAMAGE-SUBSTANTIAL	CR-	O	0	1	COMMERCIAL	COMMERCIAL, FL.INSTR., AGE 43, 6265 TOTAL HOURS, 46 IN TYPE, INSTRUMENT RATED.
			HASE OF OPERATION						
	PROBABLE C	ION WITH GROUND/WATER CONTROLLED  CAUSE(S) IN COMMAND - MISJUDGED ALTITUDE T/R STRUCK GRND DURG FLARE FOR LDG. AUTO						NG POWER-ON LANDING HER DMG.	
3-4092	9/27/69 TIME - 133	AGAWAM, MASS O	BELL 206A N3523T DAMAGE-SURSTANTIAL	CR- PX-				MISCELLANEOUS OTHER	ATR, FLIGHT INSTR., AGF 56, 15500 TOTAL HOURS, 500 IN TYPE, INSTRUMENT RATED.
		ASS CIDENT	NM NTENDED DESTINATION LOCAL		P			F OPERATION NG POWER-OFF AUTOROTAT	
	CHECK PI EMERGENCY	NEOUS ACTS, CONDITION LOT - IMPROPER OPER CIRCUMSTANCES - FOR	SS - SIMULATED COMDITATION OF FLIGHT CONTECTO LANDING ON AIRPORTUN-ON LOG CK PLT SU	ROLS RT/SEAF				E/HELIPT. LS,CAUSED MAIN ROTOR TO	HIT TAIL KOTOK.
3-4178	7/20/69 TIME - 130	SPRING VALLEY,NY O	RELL 206A N4781R DAMAGE-DESTROYED					NONCOMMERCIAL PLEASURE/PERSONAL TRAN	COMMERCIAL, FL.INSTR., ISP AGE 28, 4885 TOTAL HOURS, 350 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE SPRING V TYPE OF AC		NTENDED DESTINATION SPRING VALLEY, MY	•			_	F OPERATION IGHT UNCONTROLLED DESC	
		AUSE(S) NEQUS - UNDETERMINE O FT HOVERING FLT.							

CILC	DATE	LOCATION	AIRCRAFT DATA	YAL			FLIGHT PURPGSE	PILOT DATA					
3-4187	10/10/69 OAKI TIME - 1145	AND, CALIF	ENSTROM F-28A N4463 DAMAGF-SURSTANTIAL	9,1		-	NONCOMMERCIAL BUSINESS						
	NAME OF AIRPORT DEPARTURE PUINT		DA INTENDED DESTINATION										
		:	DAKLAND, CALIF		DHAG	E 6	F OPERATION						
	ENGINE FAILUR		TION		11	FL	IGHT NORMAL CRUISE						
	HARD LANDING												
		PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING											
	PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION												
	PILOT IN COMMAND - IMPROPER OPERATION OF FLIGHT CONTROLS  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE												
			ORCED LANDING OFF AIRPO			INE							
3-4188	10/17/69 LAKE	ESIDE, NEBR	BRANTLY B-28					PRIVATE, AGE 61, 2265					
	T1ME - 0655		N2164U DAMAGE-SURSTANTIAL	PX-	x- 17 U		0 0 0		AUSINESS	TOTAL HOURS, 1317 IN TYPE, NOT INSTRUMENT RATED.			
	DEPARTURE POINT	<u></u>	INTENDED PESTINATION					KATEU.					
	LAKESIDE, NEBE		LAKESIDE.NEBR		PHA:	SE C	OF OPEKATION						
÷	ENGINE FAILUF HARD LANDING	RE OR MALFUNC	TION				.IGHT NORMAL CRUISE ING POWER-OFF AUTOROTATIN	FE LANDING					
	TERRAIN - RO	MISCELLANEOU JGHZUNEVEN	S POWERPLANT FAILURE F		DETER	11 NE	ED REASONS						
	PARTIAL POWER I EMERGENCY CIRCI												

PAGE 96

FILE	DATE LOC	ATION AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA
	8/18/69 BINGHAN TIME - 1215	1,N MEX RELL 476381 N1383X DAMAGE-SUBSTANT	CR- O O I COMMERCIAL PX- O O I MIL/CTR PASSG	COMMERCIAL, AGE 33, 3742 TOTAL HOURS, 1000 IN TYPE, NOT INSTRUMENT
	DEPARTURE POINT  NORTH OSCURA,N  TYPE OF ACCIDENT  HARD LANDING			RATED. G
	FACTOR(S)  WEATHER - HIGH D WEATHER BRIEFING -	D - IMPROPER OPERATION OF FLI DENSITY ALTITUDE - NO BRIEFING RECEIVED - UNKNOWN/NOT REPORTED	GHT CONTROLS	·
	SKY CONDITION CLEAR VISIBILITY AT ACCI 5 OR OVER OBSTRUCTIONS TO VI	DENT SITE	CFILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT NONE TEMPERATURE-F 82	SITE
	WIND DIRECTION-DEG 30 TYPE OF WEATHER CO VFR REMARKS- DENSITY A	NOITIONS	NIND VELOCITY-KNOTS  3 TYPE OF FLIGHT PLAN  VFR	
2 (20)	0.420.440		60 0 1 6000506111	00/05/05/14 105 07 052
3-4191	8/29/69 LUGOFF TIME - 1830 DEPARTURE POINT	N8937F DAMAGE-SURSTANT INTENDED DESTINATI	$\mbox{PX-}$ O O AERIAL APPLICATION IAL	COMMERCIAL, AGE 27, 853 TOTAL HOURS, 13 IN TYPE, NOT INSTRUMENT KATED.
	LUGOFF,SC TYPE OF ACCIDENT COLLISION WITH (	LUGNEF,SC ROUND/WATER UNCONTROLLED	PHASE OF OPERATION IN FLIGHT UNCONTROLLED	DESCENT
	FACTOR(S)	) - INADEQUATE PREFLIGHT PREF	ARATION AND/OR PLANNING  OADED AIRCRAFT-WEIGHT-AND/OR C.G.	
	SPECIAL DATA TOTAL HOURS IN ( KIND OF CROP - ( CRASH HELMET - A TERRAIN-TYPE - L SWATH RUN-HOW FL	CROP CONTROL - 650 COTTON NVAILARLE-USED EVFL,FLAT LOWN - CROSSWIND	KIND OF OPERATION - SPAYIN TYPE OF CHEMICAL USED - LI TANK/HOPPER-LOCATION - SID ELEVATION-AREA REING TREAT	OUID CHEMICAL-TOXIC ES

FILE					
 3-4192	9/4/69 MAMMOTH LKS,CAL TINE - 1450 DEPARTURE POINT MAMMOTH LKS,CALIF TYPE OF ACCIDENT	.IF HILLER ACFT UH-12L N9730C	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS SEARCH AND RESCUE	COMMERCIAL, AGE 34, 3200 TOTAL HOURS, 100 IN TYPE, NOT INSTRUMENT RATED.
	ENGINE FAILURE OR MALFUN ROLL OVER		IN FL	IGHT NORMAL CRUISE NG POWER-ON LANDING	
	PROBABLE CAUSE(S) POWERPLANT - EXHAUST SYS MISCELLANEOUS ACTS, CONDITERRAIN - ROUGH/UNEVEN PARTIAL POWER LOSS - PARTIEMERGENCY CIRCUMSTANCES - REMARKS- RELLOWS STUCK IN	TIONS - STUCK  AL LOSS OF POWER - 1 ENC FORCED LANDING OFF AIRPO	GINE		•
3 <b>-</b> 4193	9/5/69 WOLF CREEK, DREG TIME - 1630			COMMERCIAL ASSOC FIRE CTL ACTIVITY	COMMERCIAL, FL.INSTR., AGE 39, 3225 TOTAL HOURS, 24 IN TYPE, NOT INSTRUMEN RATED.
	DEPARTURE POINT WOLF CREEK,OREG TYPE OF ACCIDENT ROLL OVER	INTENDED PESTINATION WOLF CREEK,ORFG		OF OPEKATION NG POWER-ON LANDING	
		OPER IN-FLIGHT DECISIONS ITIONS - LATERAL IMBALAN ER SLING TO TANGLE WITH S	CE	ERAL IMBALANCE.M/R HLADES	S HIT GRND.
3-4194	9/13/69 SHAFTER,CALIF TIME - 0715	BELL 4701 N153B DAMAGE-SUBSTANTIAL		MISCELLANEOUS FERRY	COMMERCIAL, AGE 33, 1286 TOTAL HOURS, 164 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - WASCO DEPARTURE POINT SHAFTER, CALIF TYPE OF ACCIDENT KOLL OVER	INTENDED DESTINATION SHAFTER, CALIF	· PHASE 6	OF OPERATION ING LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S) PILOT IN COMMAND - MISJI PILOT IN COMMAND - IMPRO	UDGED DISTANCE	CONTROLS		•
	FACTOR(S)  MISCELLANEOUS ACTS, CONDI REMARKS- ATTEMPTED LDG TOO				

FILE			AIRCRAFT DATA				PILOT DATA
3 4195		GALLIPOLIS, OHIO				NONCOMMERCIAL RUSINESS	
	DEPARTURE HRILLIAN TYPE OF AC	T,0H10 CIDENT AILURE OR MALEUNC	INTENDED DESTINATION GALLIPOLIS, OHIO	11	I FL	F OPERATION 1GHT NORMAL CRUISE NG POWER-OFF AUTOROTATIVE	: LANDING
	PILOT IN MISCELLA PILOT IN COMPLETE P	COMMAND - INADEQ COMMAND - MISMAN NEOUS ACTS.CONDIT COMMAND - IMPROP	IONS - FUFL EXHAUSTION FR OPERATION OF FLIGHT FTE ENGINF FAILURE/FLAI	CONTROLS		NN ING	
3-4196	9/12/69 TIME - 140	CIRCLE,MONT	RELL 47G-3 N6787D DAMAGE-SURSTANTIAL			COMMERCIAL POWER/PIPELINE	COMMERCIAL, FL.INSTR., AGE 44, 3290 TOTAL HOURS, 90 IN TYPE, NOT INSTRUMENT KATED.
	DEPARTURE CIRCLE,M TYPE OF AC PROPELLE HARD LAM	ONT CIDENT R/ROTOR FAILURE	INTENDED DESTINATION CIRCLE, MONT TAIL ROTOR	I	FL	F OPERATION IGHT NORMAL CRUISE NG KOLL-ON/RUN-ON	
	MISCELLA PILOT IN EMERGENCY	FT - TRANSMISSION NEOUS ACTS, CONDIT COMMAND - IMPROP	ROTOR DRIVE SYSTEM TO IONS - MATERIAL FAILURI ER OPERATION OF FLIGHT ORCED LANDING OFF AIRPO FAILED.	E CONTROLS	K I V E	SHAFT ASSEMBLY	
3-4269	11/14/69 TIME - 080		HUGHES 269R N9440F DAMAGE-SURSTANTIAL	PX- O O			COMMERCIAL, FL.INSTR., AGE 30, 1307 TUTAL HOURS, 295 IN TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE PHOENIX, TYPE OF AC		T INTENDED DESTINATION PHOENIX, ARIZ .			F OPERATION NG POWER-ON LANDING	
		COMMAND - SELECT	FD UNSUITABLE TERRAIN SIDE HELIPORT.T/R HIT	BRUSH ON E	DGE	OF HELIPORT.	

FILE	DATE	LOCATION	AIRCRAFT OA FA	IN.	JIJK -	IES S A	/N	FLIGHT PUKPOSE	PILOT DATA
3-4277	11/1/69 TIME - 172	WICHITA, KANS 20	HUGHES 269A N8793F DAMAGE-SURSTANTIAL	CK-	0	0	2 0	INSTRUCTIONAL DHAL	ATR, FLIGHT INSTR., AGF 31, 4682 TOTAL HOURS, 567 IN TYPE, NOT INSTRUMENT RATED.
		CCIDENT	INTENDED DESTINATION WICHITA, KANS		Ь			F OPEKATION NG POVER-GEE AUTOROTA	ATIVE LANDING
	DUAL STO FACTOR(S)	ANEOUS ACTS, CORDI UDENT - FAILED TO	TIONS - SIMULATED CONDIT MAINTAIN ADEQUATE ROTOR GUATE SUPERVISION OF FL	R.P.I	4.				
3-4284	TIME - 09	AURORA, COLO	N1598 DAMAGE-SUBSTANTIAL		0	1	0	NONCOMMERCIAL PLEASURE/PERSONAL TR	STUDENT, AGE 42, 39 TOTAL ANSP HOURS, ALL IM TYPE, MOT 19STRUMENT PATED.
	DEPARTURE AURORA,	POINT COLD	INTENDED DESTINATION AURORA, COLO						
	COLLISIO		TER UNCONTROLLED					E OPERATION. IGHT UNCONTROLLED DE	SCFMT
	PILOT I	N COMMAND - ATTEM N COMMAND - IMPRO N COMMAND - IMPRO	PTED OPERATION REYOND E) PER OPERATION OF POWERPI PER OPERATION OF FLIGHT L FLT IN POWERED GYROCGI	ANT &	PO OLS	WER	PLA	NT CONTROLS	
3-4295	11/2/69 TIME - 15	PETERSBURG, VA 53	RENSEN R-8M N1707 DAMAGE-SUBSTANTIAL	PX-				NONCOMMERCIAL PLEASURE/PERSONAL TR	COMMERCIAL, AGE 49, 1023 ANSP TOTAL HOURS, 23 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE PETERSB		INTENDED DESTINATION PETERSBURG, VA						
	TYPE OF A	CCIDENT FAILURE OR MALFUM	•		ρ	11	FL	F OPERATION IGHT NORMAL CRUISE NG ROLL	
	POWERPL MISCELL MISCELL MISCELL PILOT U	EL - MAIMTENANCE, ANT - FUEL SYSTEM ANEOUS ACTS,CONDI ANEOUS ACTS,CONDI ANEOUS ACTS,CONDI N COMMAND - IMPRO	TIONS - ENGINE LOADED UP	ALLED CONTR			ITEN	ANCE (OWNER PERSONNEL	)

FILE		AIRCRAFT DATA		UKIE S			PILOT DATA
3-4327	11/4/69 COLUMBIA STA,OH TIME - 1530					MISCELLANEOUS EXPERIMENTATION	COMMERCIAL, AGE 27, 692 TOTAL HOURS, 4H IN TYPE, MOT INSTRUMENT RATED.
	NAME OF AIRPORT - COLUMBIA						
	DEPARTURE POINT	INTENDED DESTINATION					
	COLUMBIA STA, DHID TYPE OF ACCIDENT	COLUMBIA STA, OHIO		13446		IF OPERATION	
	COLLISION WITH GROUND/WA	TER HINCONTROLLED				IGHT UNCONTROLLED DES	CENT
	Checision with endoner.	7111 7400111 140000		-			J. ,,
	PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEM	BLIES OTHER					
	MISCELLANEOUS ACTS, CONDI		•				
	REMARKS- AIR TAXI FLT. EXP		ROKE ED	OSF.	иемп	INTO M/R BELT DRIVE S	YS.CAUSED R-RPF LOSS.
			•				
3-4412	11/16/69 ALBUQUERQUE,N M TIME - 1415	EX HILLER ACFT FH1100 N514FH DAMAGE-SURSTANTIAL				INSTRUCTIONAL DUAL	COMMERCIAL, FL.IMSTR., AGE 25, 3409 TOTAL HOURS 176 IN TYPE, MOT INSTRU- MENT RATED.
	NAME OF AIRPORT - CORONADO						
	DEPARTURE POINT ALHUQUEROUE,N MEX	INTENDED DESTINATION ALBUQUERQUE:N MEX					A CONTRACTOR OF THE CONTRACTOR
						IF OPERATION NG POWER-OFF AUTORUTA	
	ALHUQUERQUE, N MEX TYPE OF ACCIDENT	ALBUQUERQUE, N MEX  TIONS - SIMULATED CONDIT					

PAGE 101

ILE		ON AIRCRAFT DATA	F	:	SH	/N	FLIGHT PURPOSE	PILOT DATA
4414	11/23/69 MILLVILLE,	NJ BRANTLY R-2 N4997C DAMAGE-DESTROYED	CR-	0	0	1	NONCOMMERCIAL	
	NAME OF AIRPORT - MIL							
		INTENDED DESTINATION						
		MILLVILLE, NJ						
	TYPE OF ACCIDENT			Р		-	F OPERATION	
	ENGINE FAILURE OR M	ALFUNCTION			-		IGHT MORMAL CRUISE	F. T. 1.07 . 1. A.10. 11.07
	ROLL OVER.				LΑ	MD 1	NG POWER-DEE AUTOROI	TALIVE LANGING
	MISCELLANEOUS ACTS, MISCELLANEOUS ACTS, MEATHER - CONDITION PILOT IN COMMAND - PILOT IN COMMAND -	IMPROPER OPERATION OF POMERP CONDITIONS - ANTI-ICING/DEIC CONDITIONS - ICF-CARBURETCR S CONDUCTIVE TO CARB./INDUCT IMPROPER IN-ELIGHT DECISIONS IMPROPER OPERATION OF FLIGHT PARTIAL LOSS OF POMER - 1 EN	ING EQUIDE SYSOR PLA	JIP STE	MEN M I ING	T — I	MPROPER OPERATION OF	YOR FAILED TO USF
	WEATHER PORECAST - UN	KNOWN/NOT REPORTED	(71,11.					
		ES - FORCED LANDING OFF AIRP	ORT ON	LA	пp			
	SKY CONDITION			E	EIL	ING	AT ACCIDENT SITE	
	CLEAR						ITED	
	VISIBILITY AT ACCIDEM 5 OR OVER	T SITE		P	REC NO		TATION AT ACCIDENT S.	ITE
				7		_	TURE-F	
	DESTRUCTIONS TO VISIO	N AT ACCIDENT SITE		•			1.00-	
	OBSTRUCTIONS TO VISIO	N AT ACCIDENT SITE			55			
	NOME			N	55 TND		LOCITY-KNOTS	
	NONE WIND DIRECTION-DEGREE			Ņ			LOCITY-KNOTS	
	NOME	S			1MD	V F	EOCITY-KNOTS	
	NONE WIND DIRECTION-DEGREE 200	S			1MD	VE OF		

FILE		A IRCRAFT DATA	F S M/	N PURPOSE	
3-4433	12/19/69 ALLENTOHM,P. TIME - 1140	A RELL 47G-4A N1391X DAMAGE-SUBSTANTIAL	CR- 0 0	1 NONCOMMERCIAL O BUSINESS	COMMERCIAL, AGE 56, 3609 TOTAL HOURS, 708 IN TYPE, NOT INSTRUMENT RATED.
	NAME OF AIRPORT - ALLENDEPARTURE POINT ALLENTONN, PA TYPE OF ACCIDENT EMGINE FAILURE OR MAI HARD LANDING	NTOWN  1MTEMBED PESTINATION  ALLENTOWN, PA	PHASE I <sup>N</sup> )	OF OPERATION FLIGHT NORMAL CRUISE DING POWER-OFF AUTOPOT	
	MISCELLANEOUS ACTS, COMISCELLANEOUS ACTS, COMEATHER - CONDITIONS PILOT IN COMMAND - F PARTIAL POWER LOSS - P MEATHER BRIEFING - BRI MEATHER FORECAST - UNK	MPROPER OPERATION OF POWERP DNOITIONS - ANTI-ICING/DEIC ONDITIONS - ICE-CARBURETOR CONDUCTIVE TO CARB./INDUCT AILED TO MAINTAIN ADEQUATE ARTIAL LOSS OF POWER - 1 EN EFED BY FLIGHT SERVICE PERS MOWN/NOT REPORTED S - FORCED LANDING OFF AIRP	IMG EQUIPMENT  TOM SYSTEM IC ROTOR R.P.M.  GINE ROMMEL, BY PHO	-IMPROPER OPERATION OF,	/OR FAILED TO USE
	SKY CONDITION UNKNOWM/NOT REPORTED		CEILI 350	NG AT ACCIDENT SITE	
	VISIBILITY AT ACCIDENT 5 OR OVER OBSTRUCTIONS TO VISION		NON TEMPE	PITATION AT ACCIDENT S E RATURE-F	
	NONE WIND DIRECTION-DEGREES 340		36 WIND 15	VELOCITY-KNOTS	
	TYPE OF WEATHER CONDIT VER REMARKS- DEW POINT 23		TYPE MOM	OF FLIGHT PLAN E	
3-4434	12/30/69 HAMILTN AFR TIME - 1025	CALIF BELL 47G3R1 N132OX DAMAGE-SUBSTANTIAL	PX- 0 0	O COMMERCIAL O CONSTRUCTION	COMMERCIAL, AGE 46, 8119 TOTAL HOURS, 579 IN TYPE, NOT INSTRUMENT RATED.
	HAMILTN AFR, CALIF	LTON AFR INTENDED DESTINATION PAMILTN AFR,CALIF			
	TYPE OF ACCIDENT PROPELLER/ROTOR FAIL COLLISION WITH GROUN	URE TAIL ROTOP D/MATER UNCONTROLLED	IN	OF OPERATION FLIGHT OTHER FLIGHT UNCONTROLLED D	ESCENT
	MISCELLANEOUS ACTS, C	IGN OBJECT DAMAGE CONTROL SYSTEMS TAIL ROTOR ONDITIONS - OVERLOAD FAILUR S - DIRECTIONAL CONTROL PRO	K.F.	UL SYSTEM	
	FIRE AFTER IMPACT	PITCH CONTROL PROBLEM	zera <sub>m</sub> k <sub>e</sub> Di		·

FILE .	DATE LOCA	TION AIRCRAFT DATA	A INJURIES E S M/M	FLIGHT PURPOSE	PHOT DATA
3-4435	12/1/69 CLARKSTO TIME - 0930	HN,NY BELL 47G-5 N8593F DAMAGE-SUBSTANT	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL.IMSTR., AGE 36, 1508 TOTAL HOURS, 1012 IN TYPE, NOT INSTRU- MENT RATED.
	NAME OF AIRPORT - R DEPARTURE POINT		Ion		
	NEW YORK,NY TYPE OF ACCIDENT ENGINE FAILURE OR COLLIDED WITH TR		IN FL	F DPERATION IGHT NURMAL CRUISE NG FINAL APPROACH	
	MISCELLANEOUS ACT MISCELLANEOUS ACT POWERPLANT - ENGI MISCELLANEOUS ACT	1CATING SYSTEM LINES, HOSE: S, CONDITIONS - MATERIAL FA S, CONDITIONS - OIL EXHAUST NE STRUCTURE MASTER AND C S, CONDITIONS - MATERIAL FA S, CONDITIONS - MATERIAL FA S, CONDITIONS - MATERIAL FA STRUCTIONS	ILURE ION-ENGINE LUBRICAT ONNECTING ROOS ILURE	ION SYSTEM	
	PARTIAL POWER LOSS EMERGENCY CIRCUMSTA	- PARTIAL LOSS OF POWER - : NCES - FORCED LANDING OFF A OIL COOLER TO ENG BROKE.CAM	AIRPORT ON LAND	AND FAILURE OF NR 2	≥ CONNECTING ROD HEARING
3-4436	12/15/69 - SCOTTDAL TIME - 1115	E,AR1Z BELL 47D1 N7732 DAMAGE-SURSTAN	CR- 0 0 2 PX- 0 0 0		COMMERCIAL, FL.IMSTR., AGE 25, 1532 TOTAL HOURS, 68 IN TYPE, MOT INSTRUMEN RATED.
	DEPARTURE POINT SCOTTDALE, ARIZ TYPE OF ACCIDENT HARD LANDING	INTENDED DESTINAT SCOTTDALE, ARIZ	PHASE N	F OPERATION NG POWER-OFF AUTOR(	
	DUAL STUDENT - IM	S,CONDITIONS - SIMULATED CO PROPER OPERATION OF FLIGHT - INADEQUATE SUPERVISION ()	CONTROLS		
3-4447	11/20/69 ALAMOGOR TIME - 0830	DO,N MEX HELL 47G-3H N73995 DAMAGE-SUBSTAN		MISCELLANEOUS FERRY	COMMERCIAL, AGE 31, 4095 TOTAL HOURS, A35 1N TYPE, INSTRUMENT PATED.
	DEPARTURE POINT HOLLOMAN AFB,N M TYPE OF ACCIDENT ENGINE FAILURE OR HARD LANDING	INTENDED DESTINAT MARS SITE	ION PHASE O	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOKO	
	PILOT IN COMMAND	ELLANEOUS POWERPLANT FAIL - IMPROPER OPERATION OF FL - COMPLETE ENGINE FAILURE	IGHT CONTROLS	D REASONS	

			AIRCRAFT DATA						PILOT DATA
3-4474	12/11/69 TIME - 1500 DEPARTURE P	OINT	HUGHES 269A N8945F DAMAGE-DESTROYED INTENDED DESTINATION						COMMERCIAL, AGE 27, 3019 TOTAL HOURS, 60 IN TYPE, NOT INSTRUMENT RATED.
	PLAINVIE TYPE OF ACC COLLISTON	IDENT	AIKEN,TEX		P			F OPERATION: IGHT UNCONTROLLED DESCE	NT
		COMMAND - FAILER	O TO MAINTAIN ADEQUATE IN CONTINUOUS R TURN F				FT	UNTIL GRND CONTACT.	
3-4675	10/4/69 TIME - 1345	ENUMCLAW,WASH	KAMAN HUK-1 N11012 DAMAGE-SURSTANTIAL	PX-				COMMERCIAL AERIAL APPLICATION	COMMERCIAL, AGE 39, 2840 TOTAL HOURS, 66 IN TYPE, NOT INSTRUMENT RATED.
	ENUMCŁAW, TYPE OF ACC PROPELLER	WASH	INTENDED DESTINATION ENUMCLAW, WASH MAIN ROTOR		Þ	IM	FL	F OPERATION IGHT PROCEDURE TURNAROU NG FINAL APPROACH	ND
	MISCELLAN TERRAIN -	T - FLIGHT CONTR	ROL SYSTEMS OTHER FIONS - OVERLOAD FAILUR ONS	E					
		CIRCUMSTANCES - F	TIONS - JETTISONED LOAD FORCED LANDING DEF AIRP LATERAL CONTROL PROBLEM PROP/ENGINE VIARATION	ORT ON	LΔ	ND			
	KIND OF C PILOT'S S GOGGLES - COCKPIT C TANK/HOPP ELEVATION PROCEDURE	IRS IN CROP CONTE ROP - FOREST-TRE EAT HELT - FASTE NOT USED RASHPAD - NOT IN PER-LOCATION - SI I-AREA BEING TRE TURNAROUND - FI	ENED-PROPERLY		G C C	YPE LOVI RASI RASI ERR	OF ES H H H R	OPERATION - FERTILIZING CHEMICAL USED - DRY CHE - USED ELMET - AVAILARLE-USED AR - NOT INSTALLED -TYPE - MOUNTAINOUS UN-HOW FLOWN - WIND CALM	MICAL-NONTOXIC

FILE			AIRCRAFT DATA						PILOT DATA
	7/30/69	WEST SENECA, NY	HUGHES 269A	CK-	O	0	1 N	ONCOMMERCIAL	
	DEPARTURE BUFFALD TYPE OF AC PROPELLE		INTENDED DESTINATION WEST SEMECA, NY			Α HΔS LA	KRON, E OF NDING		TIVE LANDING
	MISCELLA AIRPORTS EMERGENCY	FT - FLIGHT CONTR NEOUS ACTS, CONDIT /AIRWAYS/FACILITI CIRCUMSTANCES - F	OL SYSTEMS TAIL ROTOR TONS - MATERIAL FAILURE FS - AIRPORT CONDITIONS ORCED LANDING ON AIRPOR TRECTIONAL CONTROL PROP 6947315-3 SEPARATED IN	HIGH T/SEAF BLEM	+ V PLA	EGE NE	TATIO BASE/	IN HELIPT•	/R CUT UFF TAIL ROOM.
3-4697	12/29/69 TIME - 101	PHENIX CITY,ALA 1	ENSTROM F28A N488O DAMAGE-SUBSTANTIAL	CR- PX-	0	0	1 N	ONCOMMERCIAL USINESS	PRIVATE, AGE 46, 3014 TOTAL HOURS, 240 IN TYPE, NOT INSTRUMENT RATED.
	PHENIX C TYPE OF AC	ITY,ALA CIDENT AILURE OR MALFUNG	INTENDED DESTINATION COLUMBUS, GA			IN	FL 16	OPERATION HT NORMAL CRUISE POWER-OFF AUTOROTA	
	POWERPLA MISCELLA FACTOR(S)	IMPROPER ENG OPER NT - ENGINE STRUC NEOUS ACTS, CONDIT	RATION, OVERSPEEDING ENG. TURE OTHER TIONS - MATERIAL FAILURE	<b>.</b>	TA	ı ıan	TER		

PAGE 106

			BRIEFS				15		
FILE	DATE	LUCATION		IN	JUK F	IES 5 M	/N:	FLIGHT PURPOSE	PILOT DATA
		BATAVIA,NY	RELL 476-4A N7886S DAMAGE-SUBSTANTIAL	CK-	n	0	1	NOWCOMMERCIAL CORPZEXEC	COMMERCIAL, FL.INSTR., AGE 24, 2834 TOTAL HOURS, 62 IN TYPE, WOT INSTRUMENT RATED.
	DEPARTURE BATAVIA, TYPE OF AC	NY CIDENT AILURE OR MALFUNC	INTENDED DESTINATION BATAVIA,NY		Р	IN	FŁ	F OPERATION IGHT NORMAL CRUISE NG POWER-OFF AUTOROTA	
	MISCELLA MISCELLA WEATHER PILOT IN COMPLETE P WEATHER BR WEATHER FO	COMMAND - IMPROP NEOUS ACTS, CONDIT NEOUS ACTS, CONDIT - CONDITIONS COND COMMAND - IMPROP OWER LOSS - COMP ILEFING - NO BRIEF RECAST - UNKNOWN/		ION SY CONTR TEOUT-	STE OLS 1 E	MEN M I	T-I CIN	MPROPER OPERATION DEVI	DR FAILED TO USE
	5 OR OVE OBSTRUCTIO NONE WIND DIREC 215 TYPE OF ME VFR	AT ACCIDENT SITE R NS TO VISION AT A TION-DEGREES ATHER CONDITIONS	CCIDENT SITE		P T	UN PREC NO EMP 45 JIND	LIM IPI NE ERA VE	AT ACCIDENT SITE ITED TATION AT ACCIDENT SITURE-F LOCITY-KNOTS FLIGHT PLAN	TE .
	REMARKS- D	EW POINT 43 DEG F	•						
3-4726	2/3/69 TIME ~ 141	ISLAND PARK,NY 2	HILLER ACFT FHILOO N601PD DAMAGE-SUBSTANTIAL					INSTRUCTIONAL TRAINING	COMMERCIAL, AGE 45, 2697 TOTAL HOURS, 311 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE EAST RO TYPE OF AC	CKAWAY,NY CIDENT AILURE OR MALFUNC	LICE INTENDED DESTINATION LOCAL		Ρ	IN	FL	F OPERATION IGHT NORMAL CRUISE NG POWEK-OFF AUTOROTA	ATIVE LANDING
	POWERPLA PILOT IN COMPLETE P EMERGENCY	NEOUS ACTS, CONDIT NT - FUEL SYSTEM COMMAND - IMPROP OWER LOSS - COMPL CIRCUMSTANCES - F	IONS - SIMPLATED CONDITEUEL CONTROLER OPERATION OF FLIGHTETE ENGINE FAILURE/FLAFORCED LANDING OFF AIRPERATION SCHEDULE WENT	CONTR MEDUT- ORT ON	1 E	NG I		ETTING WHEN THROTTLE	ARRUPTLY MOVED TO IDLE

	DATE LOCATION	AIRCRAFT DATA	1 N J (	JR I E S	S M/N	FL1GHT PURPOSE	PILOT BATA
-0048	8/14/69 NR.SAM THONG, LADS TIME - 0900	RELL 204-R N8511F DAMAGE-DESTROYED	CR- PX-	1 0	0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 34, 4404 TOTAL HOURS, 2811 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT VIENTIANE, LADS	INTENDED PESTINATION LONG TIENG, LAOS					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	TYPE OF ACCIDENT AIRFRAME FAILURE IN FLIC COLLISION WITH GROUND/WAT			,		OF OPERATION .IGHT NORMAL CRUISE .IGHT UNCONTROLLED DESCE	MT
	REMARKS- INVESTIGATION UNDE						
-0014	4/10/69 DOHA, QUATAR	SIKORSKY S62A	CR-	n (	1	COMMERCIAL	COMMERCIAL, AGE 47, 9264
	TIME - 1214  NAME OF AIRPORT - SHELL HE	DAMAGE-SURSTANTIAL		n) (	· . /	CTR PASSG-1	TOTAL HOURS, 16 IN TYPE, NOT INSTRUMENT KATED.
				PHA	SE (	OF OPERATION	
	TYPE OF ACCIDENT  ENGINE FAILURE OR MALFUNG  DITCHING	CTION		1	M F	IGHT CLIMB TO CRUISE ING POWER-OFF AUTOROTATI	VE LANDING
	COMPLETE POWER LOSS -	FORCED LANDING DEF AIRP	ORT ON	LANI	)		
	REMARKS - DITCHED IN BRABIA	N GULF. INVESTIGATION U	NDEK JU	RISE	ICT	IUN OF GOVT OF SAUDI ARAR	14.
-0029	2/3/69 . SANTO DOMINGO, DI						
-0029	2/3/69 . SANTO DOMINGO, DI TIME - 1505	R SIKORSKY S-52-3 N4643S Damage-Surstantial	CR-			IUN OF GOVT OF SAUDI ARAB MISCELLANEOUS OTHER	
-0029	2/3/69 . SANTO DOMINGO, DI TIME - 1505	R SIKORSKY S-52-3 N4643S Damage-Surstantial	CR-				CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, BI IN TYPE, MOT INSTRUMENT
-0029	2/3/69 . SANTO DOMINGO, DI TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT	R SIKORSKY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO,DR	CR- PX-	n (	1 2	MISCELLANEOUS OTHER	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, BI IN TYPE, MOT INSTRUMENT
-0029	2/3/69 . SANTO DOMINGO, DI TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT ENGINE FAILURE OR MALFUN COLLIDED WITH RESIDENCE	R SIKORSKY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S)	CR- PX-	ก (1 ก (1 ) (H4	SE SIN F		CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, 80 IN TYPE, MOT INSTRUMENT RATED.
-0029	2/3/69 . SANTO DOMINGO, DI TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT	R SIKORSMY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S) FORCED LANDING OFF AIRP	CR- PX- ORT ON	O (O	SE N F	MISCELLANEOUS OTHER  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATI	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, BE IN TYPE, MOT INSTRUMENT RATED.  VE LANDING
	2/3/69 SANTO DOMINGO, DE TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT ENGINE FAILURE OR MALFUN COLLIDED WITH RESIDENCE EMERGENCY CIRCUMSTANCES - REMARKS- SIGHT-SEEING FLT.	R SIKORSKY S-52-3 N46435 DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S) FORCED LANDING OFF AIRP INVESTIGATION UNDER THE	CR- PX- PX- PX- PX- PX- PX- PX- PX- PX- PX	D (PH)	SE IN F. AND	MISCELLANEOUS OTHER  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATI OF DOMINICAN REPURLIC GOV	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, 80 IN TYPE, MOT INSTRUMENT RATED.  VE LANDING T.  PRIVATE, AGE 43, 1356
	2/3/69 SANTO DOMINGO, DE TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE DF ACCIDENT ENGINE FAILURE OR MALFUN COLLIDED WITH RESIDENCE EMERGENCY CIRCUMSTANCES - REMARKS- SIGHT-SEEING FLT.  6/14/69 TWIN LAKE, BC TIME - 1330	R SIKORSKY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S) FORCED LANDING OFF AIRP INVESTIGATION UNDER THE RELL 206A N6280N	CR-PX-ORT ON JURISO	D (PH)	SE IN F. AND	MISCELLANEOUS OTHER  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATI OF DOMINICAN REPURLIC GOV	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, BE IN TYPE, MOT INSTRUMENT RATED.  VE LANDING T.
	2/3/69 SANTO DOMINGO, DETIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNICULIDED WITH RESIDENCE EMERGENCY CIRCUMSTANCES - REMARKS- SIGHT-SEEING FLT.  6/14/69 TWIN LAKE, BC TIME - 1330  DEPARTURE POINT TWIN LAKE, BC	R SIKORSKY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S) FORCED LANDING OFF AIRP INVESTIGATION UNDER THE  BELL 206A N6280N DAMAGE-SURSTANTIAL INTENDED DESTINATION TWIN LAKE, RC	CR-PX-  ORT ON JURISO  CR-PX-	PH/: ILANIIICT:	ASE AND	MISCELLANEOUS OTHER  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATI OF DUMINICAN REPUBLIC GOV  NONCOMMERCIAL PLEASURE/PERSONAL TRANS	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, 88 IN TYPE, MOT INSTRUMENT RATED.  VE LANDING T.  PRIVATE, AGE 43, 1356 P TOTAL HOURS, 190 IN TYPE
	2/3/69 SANTO DOMINGO, DE TIME - 1505  DEPARTURE POINT SANTO DOMINGO, DR TYPE OF ACCIDENT ENGINE FAILURE OR MALFUN COLLIDED WITH RESIDENCE EMERGENCY CIRCUMSTANCES - REMARKS- SIGHT-SEEING FLT.	R SIKORSKY S-52-3 N4643S DAMAGE-SURSTANTIAL INTENDED DESTINATION SANTO DOMINGO, DR CTION (S) FORCED LANDING OFF AIRP INVESTIGATION UNDER THE  BELL 206A N6280N DAMAGE-SURSTANTIAL INTENDED DESTINATION TWIN LAKE, RC	CR-PX-  ORT ON JURISO  CR-PX-	PH/: ILANIIICT:	ASE AND	MISCELLANEOUS OTHER  OF OPERATION LIGHT NORMAL CRUISE ING POWER-OFF AUTOROTATI OF DUMINICAN REPUBLIC GOV  NONCOMMERCIAL PLEASURE/PERSONAL TRANS	CERTIFICATE OTHER, AGE 33, 1100 TOTAL HOURS, 8 IN TYPE, MOT INSTRUMENT RATED.  VE LANDING T.  PRIVATE, AGE 43, 1356 P TOTAL HOURS, 190 IN TYP

			THE ACCIDENTS	
FILE	DATE LOCATION	AIRCRAFT DATA	INJURIES FLIGHT F S M/N PURPOSE	PILOT DATA
	3/13/69 NR.REN HOA,S.VIETNAM TIME - 1330	BELL 204-B	CR- 0 2 1 COMMERCIAL PX- 0 0 5 CTR PASSG-I	COMMERCIAL, FL.IMSTR., AGE 33, 5451 TOTAL HOURS, 2325 IN TYPE, NOT INSTRU-
	NAME OF AIRPORT - XT9125	NICHOED DECITIVATION		
	PEPARTURE POINT I SAIGON	NTENDED DESTINATION BLEN HOA		
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTI COLLIDED WITH TREES	אס	PHASE OF OPERATION TAKEOFF INITIAL CL LANDING OTHER	I MR
	PARTIAL POWER LOSS - PARTIAL REMARKS- UNDER JURISDICTION C		NF	•
6-0041	7/3/69 LEH-KASHMIR,INDIA	HUGHES 369MH N9027F	CR- 0 0 2 MISCELLANEOUS PX- 0 0 1 DEMONSTRATION	
	DEPARTURE POINT I	DAMAGE-SUBSTANTIAL NTENDED DESTINATION UNKNOWN/NOT REPORTED		UNKINR INSTRUMENT RATED.
	TYPE OF ACCIDENT COLLIDED WITH OBJECT REMARKS- T/R HIT ROCKS.INVEST		PHASE OF OPERATION IN FLIGHT HOVERING SDICTION OF THE GOVE OF IND	1A.
6-0045	8/5/69 CHIPPEWA, CAN	BELL <b>47</b> 6-2 N8403F	CR- 1 0 0 COMMERCIAL PX- 2 0 0 DTHER	COMMERCIAL, FL.INSTR., AGE 31, 2612 TOTAL HOURS,
	TIME - 1440	DAMAGE-DESTROYED	PA- 2 0 0 UINER	1090 IN TYPE, NOT INSTRU- MENT RATED.
	UNKNOWN/NOT REPORTED	NTENDED DESTINATION UNKNOWN/NOT REPORTED	DIANCE OF OUEDATION	
	TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTI HARD LANDING		<u> </u>	RUISE AUTOROTATIVE LANDING
	EMERGENCY CIRCUMSTANCES - FOR REMARKS- INVESTIGATION UNDER			
6-0066	H/5/69 NGARA FALL, CANADA TIME - 1440		CR- 1 O O COMMERCIAL PX- 2 O O AIR TAXI-PASS	COMMERCIAL, AGE UNK/NR, G 2600 TOTAL HOURS, 380 IN TYPE, NOT INSTRUMENT RATED.
		NTENDED PESTINATION NGARA FALL, CANADA	PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTI COLLISION WITH GROUND/WATER COMPLETE POWER LOSS - COMPLET	UNCONTROLLED	IN FLIGHT NORMAL C IN FLIGHT UNCONTRO	
	REMARKS - INVESTIGATION UNDER			

FILE	DATE	LOCATION	AIRCRAFT DATA		RIES S A		ELIKHT PURPUSE		PILOT DATA
6-0068	7/12/69 TIME - 134	LADNER, AC 5	HUGHES 369HS N9008F DAMAGE-SUBSTANTIAL	_			IMSTRUCTIONAL DUAL		CERTIFICATE OTHER, AGE UNK/NR, 6585 TOTAL HOURS, 1130 IM TYPE, NOT INSTRU- MENT RATED.
	DEPARTURE LADNER, A TYPE OF AC HARD LAN REMARKS- 1	BC CCIDENT IDING	INTENDED DESTINATION LADNER, AC	ovt c	L	ND I	F OPERATION NG POWER-OFF	AUTOROFATIVE	

PAGE 110

6 P 0 919-428