 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: LAX90FA060	Aircraft Registration Number: N1604L
	Occurrence Date: 12/29/1989	Most Critical Injury: Fatal
	Occurrence Type: Accident	Investigated By: NTSB

Location/Time

Nearest City/Place SANTA ROSA	State CA	Zip Code 95043	Local Time 1130	Time Zone PST	
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Airport Proximity: On Airport/Airstrip	Distance From Landing Facility: 0
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Aircraft Information Summary


Aircraft Manufacturer McDonnell Douglas	Model/Series 369E /369E	Type of Aircraft Helicopter
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Revenue Sightseeing Flight: No	Air Medical Transport Flight: No
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Narrative

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

(This area is intentionally left blank for the narrative statement.)

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: LAX90FA060				
		Occurrence Date: 12/29/1989				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name SONOMA COUNTY		Airport ID: STS	Airport Elevation 125 Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type: Concrete						
Runway Surface Condition: Dry						
Approach/Arrival Flown: NONE						
VFR Approach/Landing: None						
Aircraft Information						
Aircraft Manufacturer McDonnell Douglas		Model/Series 369E /369E		Serial Number 0266E		
Airworthiness Certificate(s): Normal						
Landing Gear Type: Skid						
Amateur Built Acft? No		Number of Seats: 5		Certified Max Gross Wt. 3000 LBS		Number of Engines: 1
Engine Type: Turbo Shaft		Engine Manufacturer: ALLISON		Model/Series: 250-C20		Rated Power: 375 HP
- Aircraft Inspection Information						
Type of Last Inspection 100 Hour		Date of Last Inspection 11/1989		Time Since Last Inspection Hours		Airframe Total Time 367 Hours
- Emergency Locator Transmitter (ELT) Information						
ELT Installed?/Type No		ELT Operated?		ELT Aided in Locating Accident Site?		
Owner/Operator Information						
Registered Aircraft Owner JOHN M. & ONA R. ROTH		Street Address 2280 AIRPORT BOULEVARD				
		City SANTA ROSA		State CA	Zip Code 95401	
Operator of Aircraft INTERWEST, INC.		Street Address 2280 AIRPORT BOULEVARD				
		City SANTA ROSA		State CA	Zip Code 95401	
Operator Does Business As:				Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Business						

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: LAX90FA060
	Occurrence Date: 12/29/1989
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 34
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Sex: M	Seat Occupied: Left	Occupational Pilot? <input type="checkbox"/> Civilian Pilot <input type="checkbox"/>	Certificate Number: On File
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Certificate(s): Airline Transport; Flight Instructor; Commercial

Airplane Rating(s): Multi-engine Land; Single-engine Land; Single-engine Sea

Rotorcraft/Glider/LTA: Helicopter

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine

Current Biennial Flight Review?

Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 05/1989
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	4123	57	2137	1832	645	540	202	128	1	
Pilot In Command(PIC)	3705	57	2050	1655	641	530	120	97		
Instructor	1023		823	200	80	100	100			
Instruction Received										
Last 90 Days	106	57		49	10	14	6	57		
Last 30 Days	27	9		18	6	5		9		
Last 24 Hours	2	1		2		1		1		

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? No
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Flight Plan/Itinerary

Type of Flight Plan Filed: None

Departure Point Same as Accident/Incident Location	State	Airport Identifier STS	Departure Time 1130	Time Zone PST
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance: VFR

Type of Airspace: Class D

Weather Information

UAT/CA Source of Wx Information:
No record of briefing

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: LAX90FA060
	Occurrence Date: 12/29/1989
	Occurrence Type: Accident

Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
	1132	PST	125 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear				0 Ft. AGL	Condition of Light: Day
Lowest Ceiling: None			0 Ft. AGL	Visibility: 30 SM	Altimeter: 30.00 "Hg
Temperature: 15 °C	Dew Point: 3 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 310	Wind Speed: 5	Wind Gusts:			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM				
Precip and/or Obscuration:					

Accident Information

Aircraft Damage: Destroyed	Aircraft Fire: None	Aircraft Explosion: None
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- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers	1	1	2		4
- TOTAL ABOARD -	1	1	3		5
Other Ground	0	0	0		0
- GRAND TOTAL -	1	1	3		5

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: LAX90FA060

Occurrence Date: 12/29/1989

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

A. D. LLORENTE

Additional Persons Participating in This Accident/Incident Investigation:

DAVID ELLIOTT
OAKLAND, CA

JONATHAN D KURTZ
MESA, AZ