COMMONWEA	A D		T OF TRAN	SPORT			Rota	Hence No.			
Publication of this import is authorized				SUMMARY REPORT			S	SI/783/1022			
1. LOCATION OF OCCURREN				Height a.s	n.a.l.	Data		Time (Le	(ion	Zana	
Six kilometres north-	ietville, Vic.		C.		_	4.78			ES!		
2. THE AIRCRAFT				<u>2500 feet</u>		19.4.78		1440 hours E			
Moke and Madel		Registratio			of Airworthine		75				
Hughes 369HS Helicopter		VH-C		Vario	Valid from 23.10						
Certificate of Registration issued to		Operator						ol demoge to elected. Stroyed			
•				3	3		property d				
	•			-							
Defects discovered		1									
N11											
3. THE FLIGHT	THE FLIGHT										
Lost or intended departure paint	Time of departure	Next point of intended		od landing	Purpose of fl	ght		Class of operation			
Wondiligong	1435 hours	, Bright			Forest burn		-off Aerial Work		ĸ		
4. THE CREW	.				A	·····		L			
Nama	Status	Age	Age Class of licence		Hours on type		al hours	0	Degree of injury		
	Pilot	44 Commercia Helicopte			936 46		81 Fatal				
5. OTHER PERSONS (All post	engers and person	s injured a	on ground)					**************************************			
Neme	Status	Degree of Injury			Neme		Status		Degree of inju		
	Bombardier	Fatal					Navigator		Fatal		
6. RELEVANT EVENTS											
The helicopte debris for the Victor flown some 250 feet a delayed action incend were about 18cm. long from the left control occupied the front ri to be burned, occupie Melbourne Flight Serv at Bright.	ian Forests bove the for iary devices and were 1: seat; the 1 ght seat; an d the rear s	Commis rest at s (DAIL ike lar bombard nd the seat.	ssion. c a for DS) wer rge mat lier, w naviga The pi	In carn ward spe e droppe ches. I ho was I tor, who lot had	rying out eed of at ed on sel The pilot responsit o directe radio co	this out ect fl ole d the onnu	is op 35 ki ed ar ew th for di he pi nicat:	eration nots with eas. e heli roppin lot to ion with	n, it hile The DA copter g the the a th	was IDS DAI area	
The door of t external attachment o modification permitte the DAIDS individuall plate, and drop them permitted the bombard	of a steel be ad the bombas by from the b to the fore lier to jett	ox as a rdier r box, ig st floc ison th	a conta ready a gnite t or belo ne box	iner for ccess to hem by s w. The in fligh	r 700 to 5 the bos striking attachme nt if neo	800 c so the ent cess	DAID: that ir hea mechau ary.	S. Th he co ads on nism a	e door uld re a str lso	mov 1ke	
The helicopte in the area on the da accident, it operated completed about 1300 filled with DAIDS was DAIDS was placed in t lunch, the helicopter	y prior to l in the Beed hours. It attached to the rear pass	the acc chworth was the o the r senger	cident. n and B en refu right d compar	On the right an elled to oor. An tment.	e morning reas and o capacit nother co After th	the ty a onta ne t	the se op nd a iner l hree	day of eratio contai box fu crew m	the ns wei ner bo ll of embers	re Dx s ha	

The pilot, at 1346 hours, advised Melbourne FSU that he had departed Bright and, at 1415 hours, that he was 15 miles south of Bright and operations were normal. At about 1430 hours, the bombardier advised the Forests Commission base that they were looking for a place to land in order to replace the now empty DAIDS box attached to

south-east.

the right door with the full box in the passenger compartment. No further radio communications were received from the helicopter.

The helicopter was seen to land in a field at about 1430 hours and, some five minutes later, return towards the burn-off area. When there was no response to attempted communication checks by Melbourne FSU, Search and Rescue action was initiated. The burnt out wreckage of the helicopter was located on the following day.

The helicopter had struck a large tree at a low forward speed and a low rate of descent. It then fell vertically to the ground and was virtually destroyed by fire. Detailed examination of the wreckage did not reveal evidence of any defect or malfunction of the helicopter which might have contributed to the accident. There was evidence, however, to indicate that ignition of a substantial number of DAIDS had occurred in the container box while it was attached to the door of the helicopter and that the box had been jettisoned shortly before the helicopter struck the tree.

4. OPINION AS TO CAUSE

There is insufficient evidence to establish precisely the circumstances leading to this accident, however, it is evident that in-flight ignition of DAIDS in the container box was a major factor.

Approved for publication

Unduchu.

Delegate of the Secretary

14.7.80

Date

ACCIDENT - An occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all those persons have disembarked and in which

(a) any person suffers death or serious injury as a result of being in or upon the aircraft or by direct contact with the aircraft or anything attached to the aircraft; or

Note - Specifically excluded are: death from natural causes and fatal or serious injury to any person on board whether self-in-flicted or inflicted by another person, or to ground support personnel before or after flight, or fatal or serious injury which is not a direct result of the operation of the aircraft, or which concerns stowaways.

- (b) the aircraft suffers substantial damage or is destroyed; or
- (c) the aircraft is missing or is completely inaccessible.

FATAL INJURY - Any injury which results in death within 30 days.

SERIOUS INJURY - Any injury other than a fatal injury which

- (a) requires hospitalisation for more than 48 hours, commencing within seven days from the date the injury was received; or
- (b) results in a fracture of any bone (except simple fractures of fingers, toes or nose); or
- (c) involves lacerations which cause severe haemorrhages, nerve, muscle or tendon damage; or
- (d) involves injury to any internal organ; or
- (e) involves second or third degree burns, or any burns affecting more than five percent of the body surface.

MINOR INJURY - Any injury other than as defined under "Fatal Injury" or "Serious Injury".

DESTROYED - Consumed by fire, demolished or damaged beyond repair.

SUBSTANTIAL DAMAGE - Damage or structural failure which adversely affects the structural strength, performance or flight characteristics of the aircraft and which would normally require major repair or replacement of the affected component. The following types of damage are specifically excluded: engine failure; damage limited to an engine or its accessories, or to propeller blades; bent fairings or cowlings; small dents or puncture holes in the skin; damage to wing tips, antennas, tires, or brakes.

MINOR DAMAGE - Damage other than as defined under "Destroyed" or "Substantial Damage".