

## AIRCRAFT ACCIDENT INVESTIGATION SUMMARY REPORT

Reference No.  
AS/695/1044

## 1. LOCATION OF OCCURRENCE

Naraling, Western Australia	Height a.m.s.l. (ft) 680 feet	Date 19.11.69	Time (Local) 0815	Zone WST
-----------------------------	----------------------------------	------------------	----------------------	-------------

## 2. THE AIRCRAFT

Make and Model Cessna 182E	Registration VH-RHJ	Certificate of Airworthiness	Valid from 5.3.65	Valid to 4.3.74
Registered Owner J.T. Hughes, 290 Seventh Street, Wonthella, W.A.	Operator J.T. Hughes, 290 Seventh Street, Wonthella, W.A.	Degree of damage to aircraft Substantial		
Defects discovered		Other property damaged Nil		

## 3. THE FLIGHT

Last or intended departure point Ogilvie	Time of departure 0750	Next point of intended landing Naraling	Purpose of flight Travel	Class of operation Private
---	---------------------------	--	-----------------------------	-------------------------------

## 4. THE CREW

Name	Status	Age	Class of licence	Hours on type	Total hours	Degree of injury
John Tucket HUGHES	Pilot	45	Private	296	600	Nil

## 5. OTHER PERSONS (All passengers and persons injured on ground)

Name	Status	Degree of injury	Name	Status	Degree of injury

## 6. CONTRAVENTIONS OF REGULATIONS AND ORDERS

Regulation or Order No.	Nature of contravention


## 7. RELEVANT EVENTS

The pilot elected to land with about an eight knot crosswind component from the right. The surface of the landing area was stoney and some stones and small rocks had been cleared and placed in a heap to the left of the chosen landing path. Towards the end of the landing roll, the pilot turned the aircraft to the right to avoid this heap of stones and, during an attempt to straighten the aircraft following this manoeuvre, the nosewheel yoke broke. The propeller and left wing tip then struck the ground.

Examination of the nosewheel yoke indicated that it failed as a result of an overload to the right hand side of the wheel.

## 8. OPINION AS TO CAUSE

The probable cause of the accident was that the pilot applied coarse steering control inputs to the nosewheel while manoeuvring on a hard, stony surface.

Report approved  (D.S. GRAHAM)	Designation Assistant Director-General (Air Safety Investigation)	Date 11.11.1970
--	---	--------------------

## DEFINITIONS

**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
- (b) the aircraft suffers substantial damage.

**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, bent fairings or cowling, dented skin, small punctured holes in the skin or fabric, taxi-ing damage to propeller blades, damage to tyres, engine accessories, brakes, or wingtips.

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