

# A TRIBUTE TO SURVEYORS / EXPLORERS OF THE 19<sup>TH</sup> CENTURY AUSTRALIA

GRAHAM TWEEDIE



## Why a tribute to these 19<sup>th</sup> Century Pioneers ?

- Opened up our knowledge of the Australian Landscape
- Opened Australia to the world with opportunities
- Led to a better standard of living for many coming from over congested homelands
- Setting the example under extreme conditions and a motivator for getting things done and pushing the bounds of knowledge. If they could do it, so can we.



## SETTING THE SCENE

- Sheer size of Australia
- Explorers from many countries and indigenous Australians
- Many cultures now making up modern day Australia

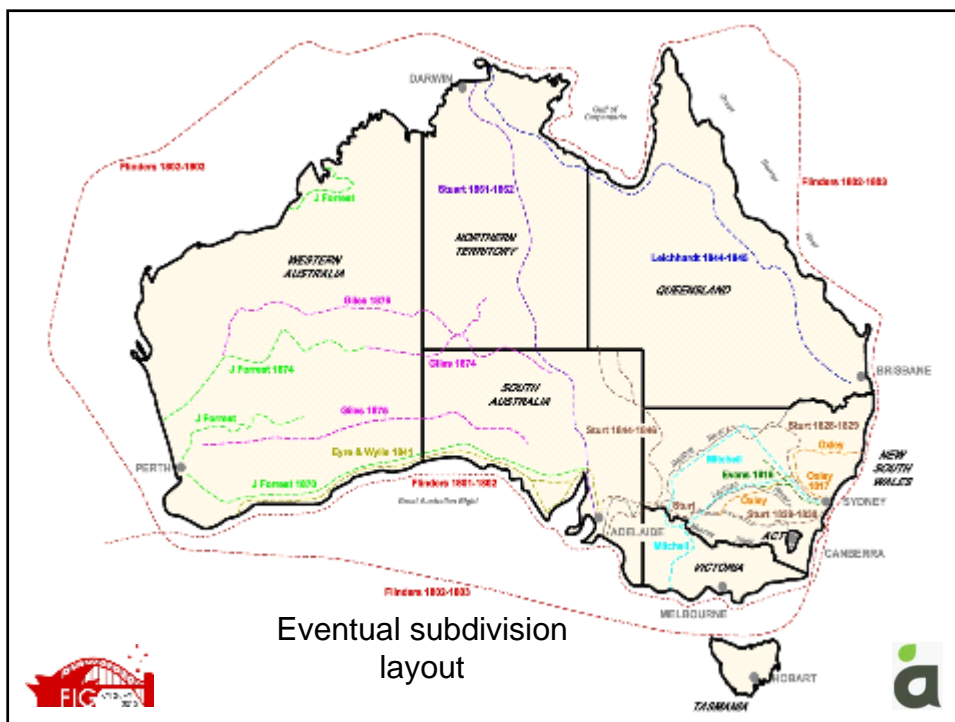
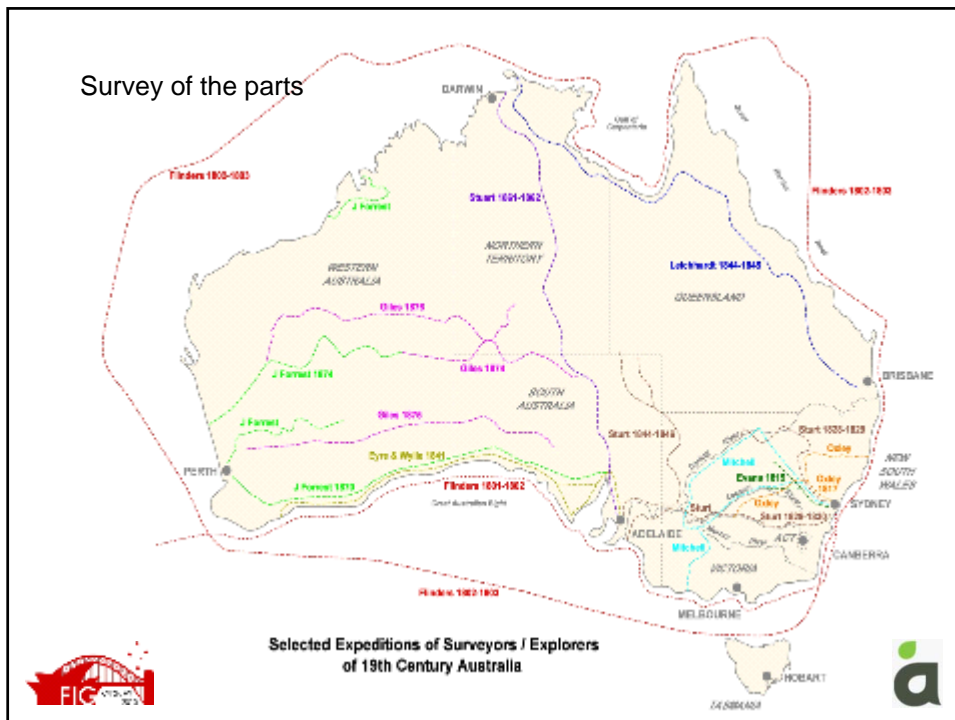
## SUBDIVISION ON A MASSIVE SCALE

April 10: Flinders, as recorded in the Royal Geographical Society, U.K.

(Scott editor, Aust Discovery 2010, Project Gutenberg)

**Matthew Flinders**  
Surveying from the sea

- Survey of the whole parcel of land





## The encounter with the harsh landscape



(Knowles, 1969)

- Environment and conditions
- Recording information



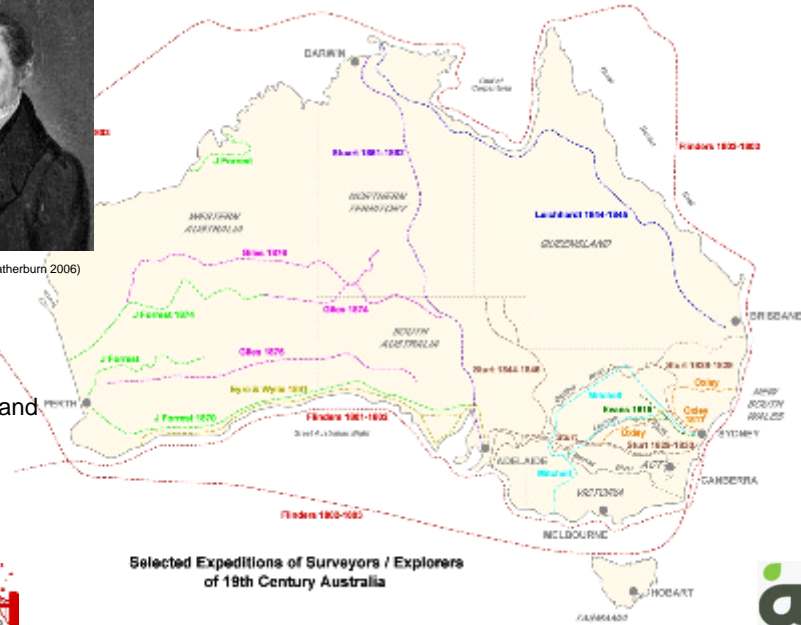
## The Early Land Surveyors / Explorers



(Weatherburn 2006)

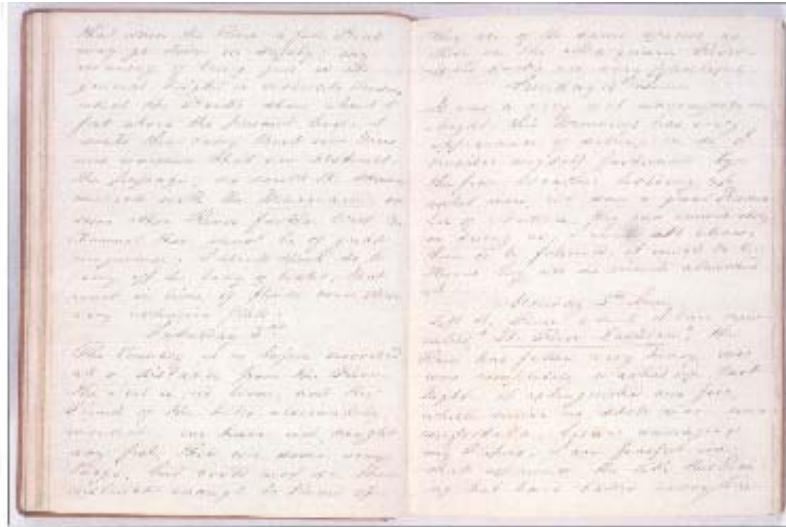
George  
Evans

The first inland  
surveyor /  
explorer



Selected Expeditions of Surveyors / Explorers  
of 19th Century Australia



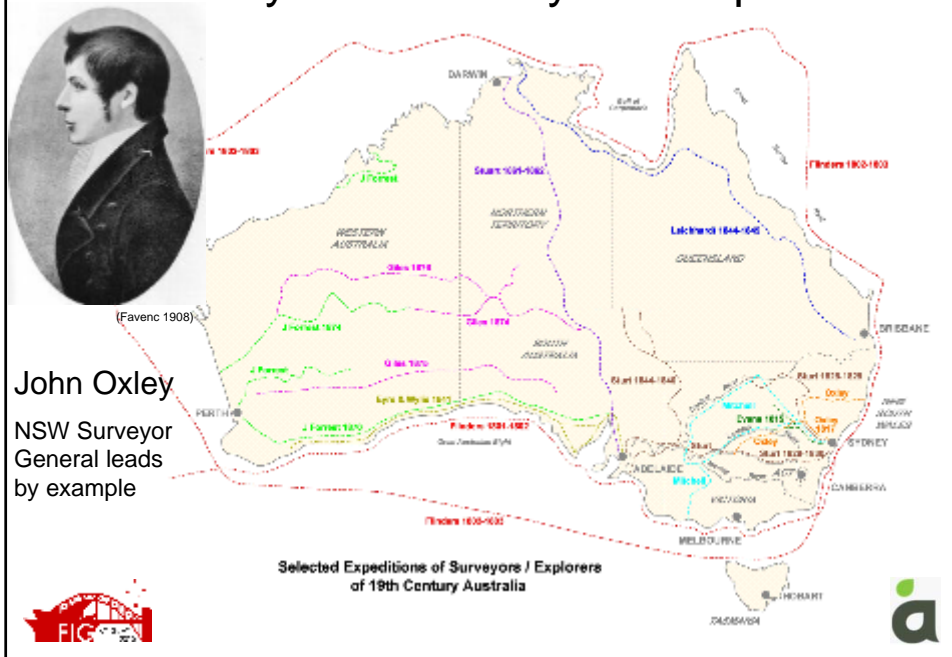


Courtesy of State Library of NSW  
(Call No. MLMSS-589)

Evans names the Lachlan river



## The early Land Surveyors / Explorers



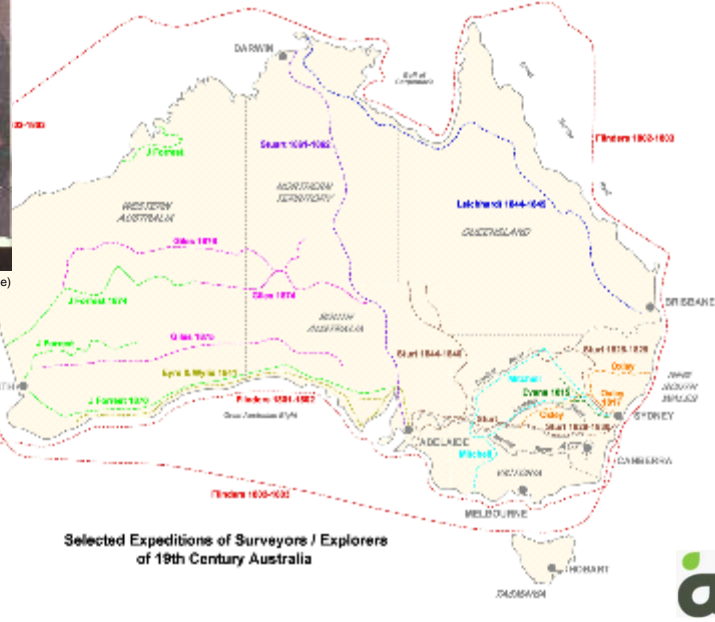
# The early Land Surveyors / Explorers



(Universal Books, no date)

Thomas Mitchell

Use of indigenous place names



Selected Expeditions of Surveyors / Explorers of 19th Century Australia



- The past and present
- The starting point of Mitchell's journeys





## Methods and equipment used

- Theodolite, sextant, circumferentor, compass, chronometer, measuring chain, barometer
- Obs to Stars, Sun, Moon
- Heighting methods
- Descriptions of environment, drawings



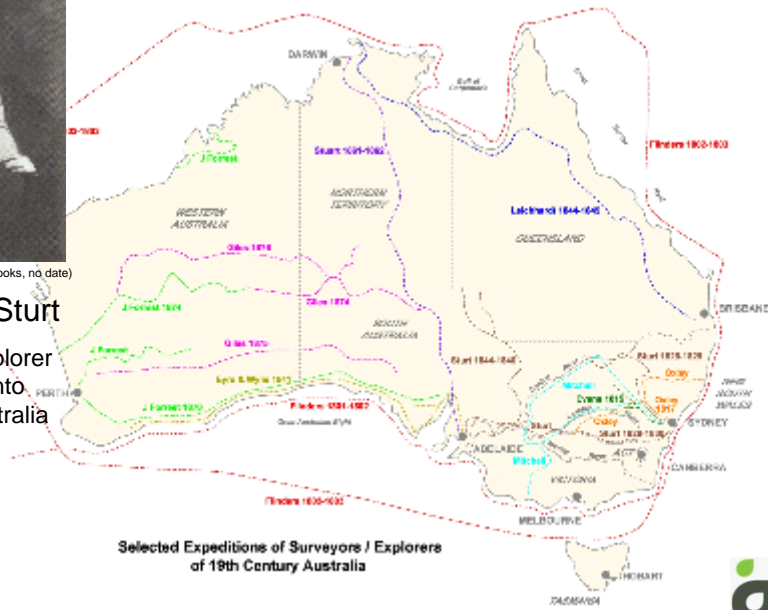
## The later Land Surveyors / Explorers



(Universal Books, no date)

### Charles Sturt

The first explorer to venture into Central Australia



## The later Land Surveyors / Explorers



(Dutton, 1982)

**Edward Eyre  
and Wylie**

A formidable  
combination  
reversed  
by other explorers  
for their toughness



Selected Expeditions of Surveyors / Explorers  
of 19th Century Australia



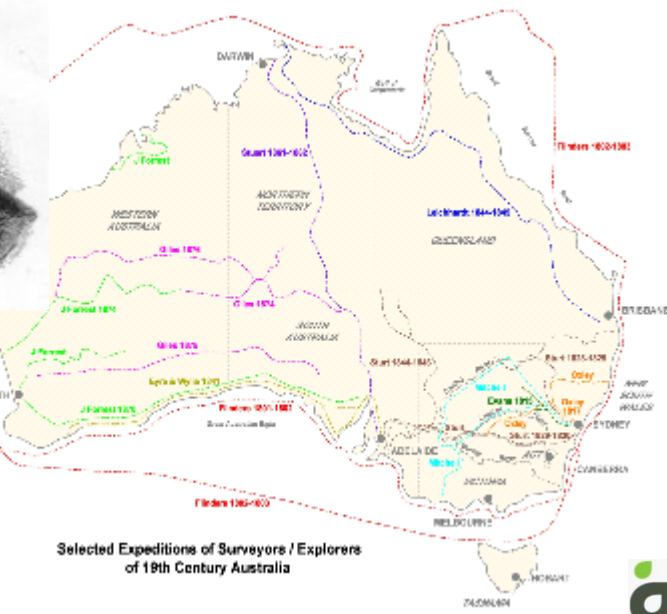
## The later Land Surveyors / Explorers



(Favenc 1908)

**John McDouall  
Stuart**

A true Surveying  
legend of the outback

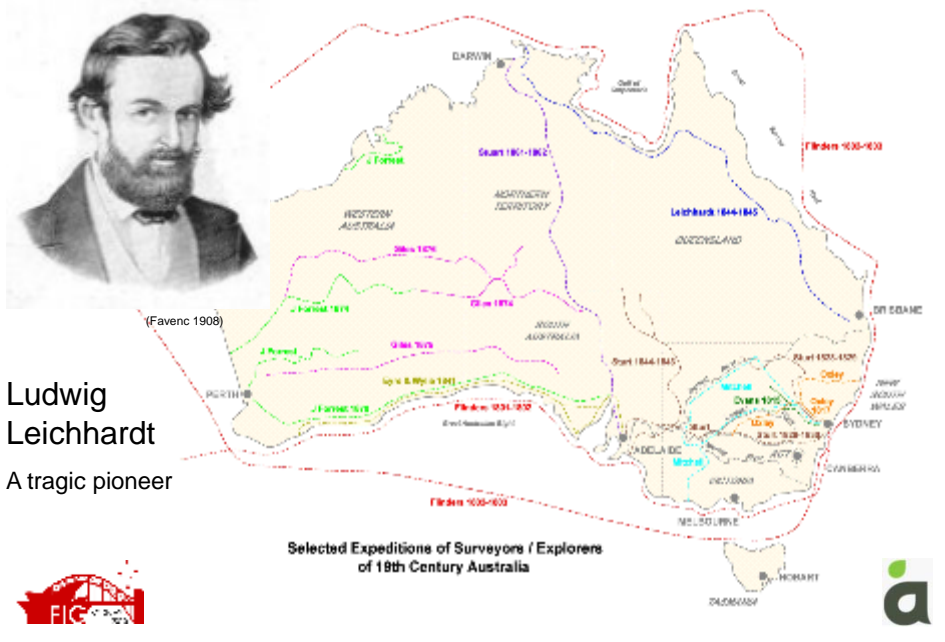


Selected Expeditions of Surveyors / Explorers  
of 19th Century Australia





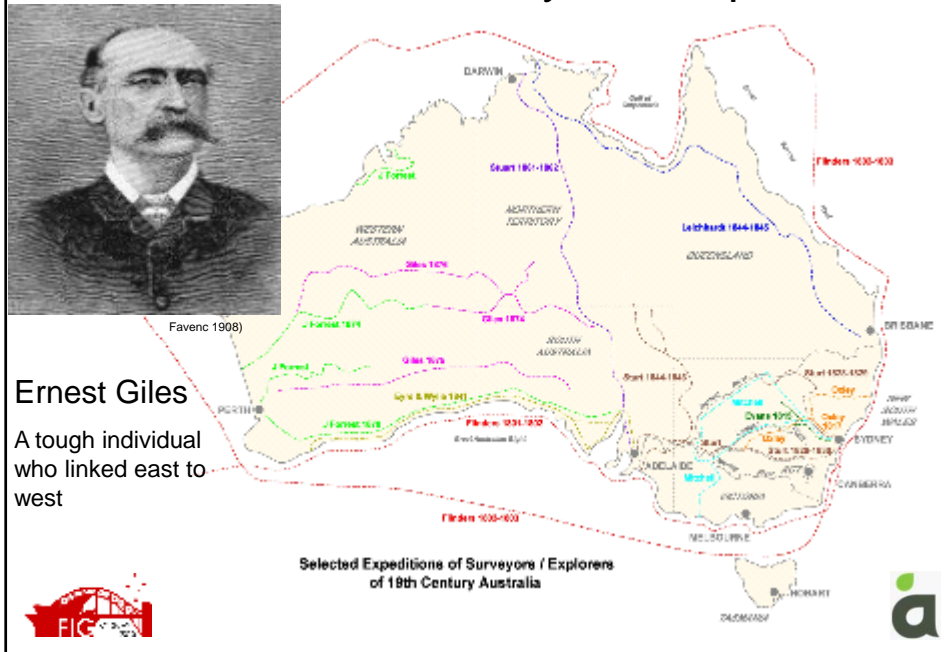
## The later Land Surveyors / Explorers



## The later Land Surveyors / Explorers



## The later Land Surveyors / Explorers



## Other great 19<sup>th</sup> Century Pioneers

- Charles Tyers
- James Meehan
- Hamilton Hume
- William Light
- Burke and Wills (ill fated trek across the continent from south to north)
- Phillip Barker King (surveys of parts of northern coasts of QLD and NT), completing gaps in Flinders charts of Australian coastline.
- Allan Cunningham
- Henry Hellyer (Surveyor who explored and mapped north west Tasmania in 1827)
- E. Kennedy
- Warburton
- Gregory
- McKinlay

## Epilogue

- A tribute...

