A TRIBUTE TO SURVEYORS / EXPLORERS OF THE 19TH CENTURY AUSTRALIA

GRAHAM TWEEDIE

Why a tribute to these 19th 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

Matthew Flinders
Surveying from the sea

- Survey of the whole parcel of land
Survey of the parts

Selected Expeditions of Surveyors/Explorers of 19th Century Australia

Eventual subdivision layout
The encounter with the harsh landscape

- Environment and conditions
- Recording information

The Early Land Surveyors / Explorers

George Evans
The first inland surveyor / explorer

Selected Expeditions of Surveyors / Explorers of 19th Century Australia
Evans names the Lachlan river

The early Land Surveyors / Explorers

John Oxley
NSW Surveyor
General leads by example

Selected Expeditions of Surveyors / Explorers of 19th Century Australia
The early Land Surveyors / Explorers

Thomas Mitchell
Use of indigenous place names

- 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

Charles Sturt
The first explorer to venture into Central Australia

Selected Expeditions of Surveyors / Explorers of 19th Century Australia
Edward Eyre and Wylie
A formidable combination revered by other explorers for their toughness

John McDouall Stuart
A true Surveying legend of the outback
The later Land Surveyors / Explorers

Ludwig Leichhardt
A tragic pioneer

John Forrest
A great surveyor of the west

Selected Expeditions of Surveyors / Explorers
of 19th Century Australia

FIG Congress 2010
Facing the Challenges – Building the Capacity
Sydney, Australia, 11-16 April 2010
The later Land Surveyors / Explorers

Ernest Giles
A tough individual who linked east to west

Other great 19th 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…