

CLAIMS IN SPACE

Joe Hinzer, President, Watts, Griffis & McOuat



Watts, Griffis and McOuat

CLAIMS IN SPACE

History

Gem stones and precious metals –emblem of power wealth

Ownership exercised by tribal leadership –royalty, power groups

Developed nations exploited less developed groups for mineral wealth

As societies evolved mineral resources became trade items

Sophisticated regulatory and management systems evolved on national basis

Global sustainable development movement initiated



CLAIMS IN SPACE

Defining a Mineral Resource

-a mineral or natural resource
contained within, (on the surface or under the
surface) considered of economic value to
society



CLAIMS IN SPACE

Defining a Mineral Claim

- a traditional mining claim-(a titled property) a recognized property right
- ownership of resources contained within the claim
 - a right to explore and exploit
- an entitlement to the contained mineral resources



CLAIMS IN SPACE

Defining a Mineral Resource

Ownership

State.....Individual

Unencumbered right..... Rent



CLAIMS IN SPACE

Hayabusa-2 dispatches European Mascot lander

29 April 2015 Japan's 'touch-and-go' Hayabusa-2 spacecraft, now en route to a little-known asteroid, a six-year round-trip for Japan's Hayabusa-2, which is on course to arrive at the carbon-rich asteroid 1999 JU3 in June 2018.

Once there, it will study the surface in detail in preparation for dispatching three diminutive landing drones. It will also deliver the DLR German Aerospace Center developed lander in cooperation with France's CNES space agency and equipped with a 'hopper' mechanism to enable it to explore the tiny world from multiple locations.

Hayabusa will also use explosives to fire a copper impactor into the 980 m-diameter asteroid, then scoop up the debris fragments in a complex touch-and-go manoeuvre. The fragments will be returned to Earth in 2020.

http://www.esa.int/Our_Activities/Operations/Tracking_Japan_s_asteroid_impact_mission



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History

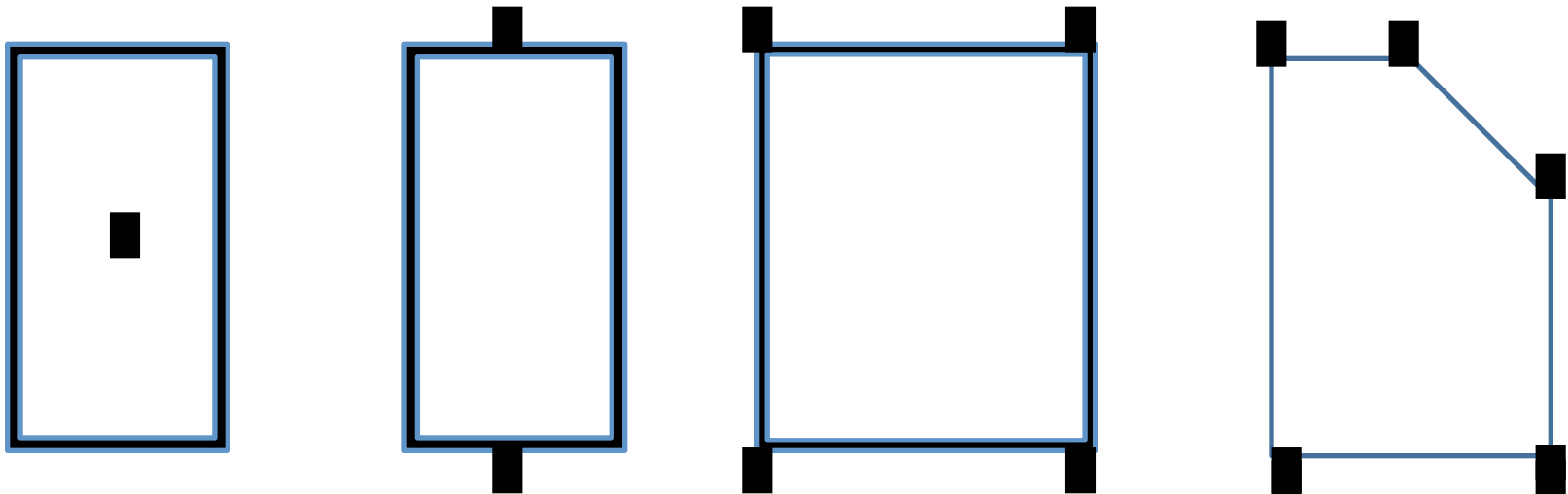
- Rights to Access
- Defining and Marking Out of the Land
- Registration /Administration/
 - Rights and Obligations
 - Buy sell/trade.. Fees work and report etc
- Regulatory System and Legal Court System

BARRY RYAN (Read at a Meeting of the
Australian Law Society on 27 June 1974)



CLAIMS IN SPACE

What is a claim



Marking out a Mineral Claim

Size generally suited to the underlying conditions of issue.



CLAIMS IN SPACE



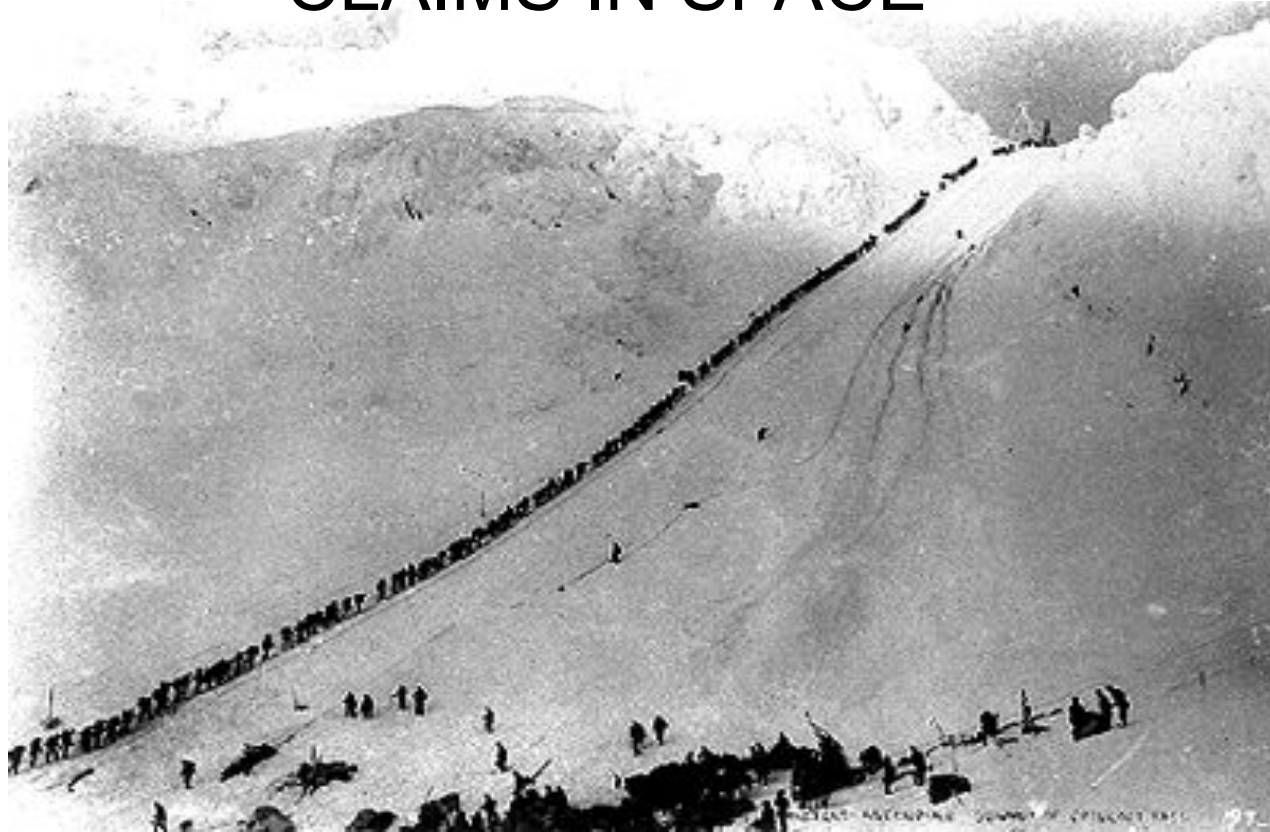
MARKING OUT THE LAND

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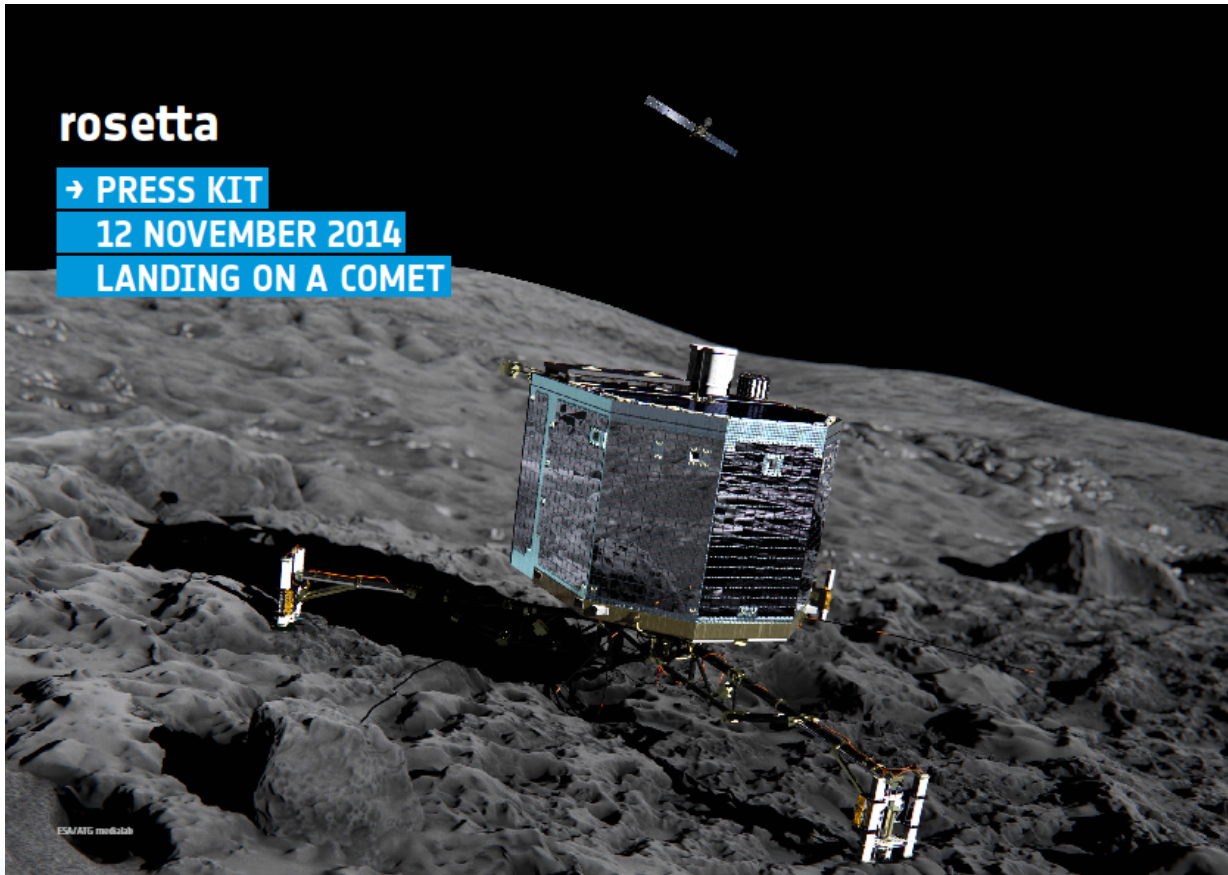


Chilkoot Pass Packers ascending summit of Chilkoot Pass, 1897-98, en route to the Klondike Gold Rush (courtesy Library and Archives Canada/C-5142).



CLAIMS IN SPACE

Staking or Marking out of a claim



http://download.esa.int/esoc/shares/1/Rosetta_PressKit_CometLanding_November2014_v4.pdf



CLAIMS IN SPACE

REGULATION / ADMINISTRATION

The historical perspective



CLAIMS IN SPACE

Where do we go from here

Current Challenges

Ownership Rights

Who Administers

Who Regulates



CLAIMS IN SPACE

Current Concepts

- a property right
- a right to explore/exploit minerals
- an entitlement
- a right of occupation



CLAIMS IN SPACE

Regulatory bodies

Legislation



CLAIMS IN SPACE

Claim size

Asteroids- <10 - 1000km^2

$>1000\text{km}^2$

Celestial bodies 1000km^2 blocks with a maximum
of 10/holder



CLAIMS IN SPACE

Summary

Demonstrate capacity

Physical presence activity

Trade-able right explore/mine

Size/quantity

Administrative / Regulatory / Legal system



CLAIMS IN SPACE

Thank You

