



Natural History of the first National Park

A Symposium hosted by the Linnean Society of New South Wales
and the National Parks and Wildlife Service

THURSDAY 29 September

9.00 Registration

Introductions

- 9.20 David Keith (President, Linnean Society NSW) Introduction and welcome
- 9.25 Michael Treanor (Manager, Royal Area) Strong beginnings to a bright future – Natural History in Royal National Park and the importance of research and education into the future
- 9.35 Angus Robinson (Foundation for National Parks & W'life) Caring for Australia's natural and cultural heritage - including the Royal National Park, since 1970
- 9.40 Indigenous representative Welcome to country

Plenary

- 9.50 Paul Adam Royal National Park – lessons for the future from the past.

People and the park

- 10.20 Val Attenbrow Aboriginal sites in Royal National Park.
- 10.40 Dan Lunney An ecological history of Royal National Park.

11.00 Morning tea (30 mins)

- 11.30 Sunil Bajpai Visitor attitudes and erosional impacts on the Coast Walk, RNP.
- 11.50 Patsy Ross Volunteering in Royal – 1994 to 2011.
- 12.10 Libby Robin Being first: why the Americans needed it, and why Royal National Park didn't stand in their way.

Landscape evolution and dynamics

- 12.30 Robert Young Coastal cliffs and platforms of Royal National Park.
- 12.50 David Keith Vegetation dynamics on coastal sandstone plateaus of the Sydney Basin.

1.10 Lunch

- 1.50 Ann Young Soils and Swamps of Royal National Park.
- 2.10 David Keith The vegetation of Royal National Park and surrounding landscapes.

Fauna

- 2.30 Elizabeth Magarey An area of outstanding fauna diversity: results of a recent systematic vertebrate fauna survey of Royal National Park and adjoining reserves.
- 2.50 Clare McArthur Direct and indirect ecological interactions between rusa deer, vegetation and small mammals in the Park .

3.10 Afternoon tea

- 3.40 Martin Schulz Turbo chargers versus wildlife: summary of a four-year roadkill study.
- 4.00 Ian Hayes What do visitors to Royal National Park know about the endangered broad-headed snake?
- 4.20 Richard Major Is an island reserve enough? The decline and fall of the White-fronted Chat in southern Sydney.

4.40 Close



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Fire

- 9.00 Scott Mooney A long term perspective on fire in the Sydney Basin, set against trends in Australia.
- 9.30 Glenn Atkinson Soil erosion following wildfire in Royal National Park, NSW.
- 9.50 Debbie Andrew Post Fire Vertebrate Fauna Survey of Royal and Heathcote National Parks and Garawarra State Conservation Area.
- 10.10 Kylie Madden Fauna recovery after extreme wildfire in Sydney's sandstone bushland.

10.30 Morning tea (30 mins)

Flora

- 11.00 Ralph Cartwright The Royal as an education resource: Developing an interactive identification CD-Rom on Coastal Plants of the Royal National Park.
- 11.20 Andrew Denham Temporal and spatial patterns of recruitment in waratahs.
- 11.40 Sharon Bowen The ecology of the Gynea Lily (*Doryanthes excelsa* (Corr.)); sentinel plant of the Royal National Park.
- 12.00 Mark Tozer Population dynamics of *Xanthorrhoea resinosa* over two decades: implications for fire management.
- 12.20 David Keith Are there spatial patterns in threats posed by root rot disease, *Phytophthora cinnamomi*, in Royal National Park?

12.40 lunch (40 mins)

Aquatic

- 1.20 Bob Creese A jewel on the edge of the Royal National Park - the marine habitats of Port Hacking.
- 1.40 Sharon Ryall Managing the information overload for rivers – a WISE (Water Information System for the Environment) solution at the catchment scale.
- 2.00 Ron West Sun, sea and sand, a watery view of the Royal and its surroundings.
- 2.20 Yoshi Kobayashi Aquatic microinvertebrates in Marley and Jibbon lagoons in the Royal National Park.

2.40 Afternoon tea (30 mins)

Management implications

- 3.10 Ross Goldingay Ecological Research and Management of Biodiversity in National Parks: Royal National Park as a Case Study.
- 3.30 Micheal Treanor Accessing, Interpreting and Integrating Science on the Run. The challenge of combining science, policy and planning on the ground.
- 3.50 Open discussion, focussing on Plan of Management

4.15 Close

SATURDAY 1st October

Field excursion 9am - 3pm