One-day Conference, 21 October 2010

Re-setting science and innovation for the next 20 years

New Zealand Association of Scientists in association with the Institute of Policy Studies, VUW
NZAS and Institute of Policy Studies, Victoria University of Wellington

One-Day Conference, Wellington, 21 October 2010

Re-setting science and innovation for the next 20 years

Welcome and introduction – James Renwick .................................................................4

Setting the scene
Opening Address – Wayne Mapp .................................................................5
Role of innovation in economic growth in a New Zealand context – Struan Little ...............8
Science, innovation and business – G.A. Carnaby ......................................................12

Tertiary education for science and innovation
The role of polytechnics in the innovation system – Linda Sissons .................................15
Role of universities in innovation (Abstract) – Rod Dunbar .........................................18
Enabling innovation – J.S. Rowarth and A.J. Parsons ..................................................19

Science and innovation for sustainability
New Zealand, new futures, new ways of science engaging with society? – Bob Frame, Alison Collins, and Richard Gordon .............................................................24

New Zealand’s productivity paradox
Innovators, innovation and increasing returns to scale: Solving New Zealand’s productivity paradox – Shaun C. Hendy and Catriona M. Sissons .................................................................28

Specific experiences of science and innovation in New Zealand
The challenges and opportunities of commercialisation – Sophie Howard .........................33
Environmental prediction and innovation – Michael J. Uddstrom .....................................37
Building a magnetic resonance company in New Zealand (Abstract) – Andrew Coy ...........42
R&D in a small technology-focused business – Dan McElrea ..........................................42
Māori perspectives on the science and innovation system – Garth Harmsworth ...................45

Research beyond the direct focus of economic growth
The wider roles of science and innovation – P.D. Gluckman ............................................49

Drawing it together – Murray Bain and Colin James ......................................................52

Book review
Gillian Turner: North Pole South Pole – Allen Petrey ........................................................55


New Zealand Science Review provides a forum for the discussion of science policy. It covers science and technology in their broadest sense and their impacts on society and the environment, both favourable and adverse. It also covers science education, science planning, and freedom of information. It is aimed at all scientists and decision makers, and the interested public. Readability and absence of jargon are essential.

Manuscripts on the above topics are welcome and should be sent to: The Editor, NZ Association of Scientists, PO Box 1874, Wellington, or e-mailed to allen.petrey@xtra.co.nz