

Professor John J. Pigram

Summary C.V. - 2007

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Qualifications: B.A.Hons.1 (UNE) 1968; Ph.D. (UNE) 1971;
Corporate Member, Planning Institute of Australia;
Fellow, International Water Resources Association;
Justice of the Peace, New South Wales – 1955-present; re-appointed 2006

Positions: Adjunct Professor, Centre for Ecological Economics and Water Policy Research, University of New England, 2001-present
Professor, University of New England – appointed 8 August 2000
Lecturer; Senior Lecturer; Associate Professor; University of New England, 1970-2000
Executive Director and Director, Centre for Water Policy Research, 1987-2001

Visiting Professor, University of Iowa
Visiting Professor, University of Waterloo
Visiting Professor Wilfrid Laurier University

Nationality: Australian

Professional Affiliations:

- World Water Council, Board of Governors, 1996-2006
- International Water Resources Association, Executive Board, 1995-1998; Vice-President, 1998-2000; President, 2001-3.; Past President 2003-6
- Invited Member, Club of Tokyo, 2000-2006
- Invited Member, Advisory Committee, Rosenberg International Water Policy Forum, 1997-2007
- Australian National Committee of International Commission on Irrigation and Drainage
- Australian Water Association
- Universities Council on Water Resources (USA) – Lead Delegate
- Australian and New Zealand Association for the Advancement of Science
- Member Editorial Board: Water International; International Journal of Water Resources Development; Annals of Tourism Research

Background:

Professor Pigram has over 40 years experience in applied research, teaching and administration, in water policy, water reform and water resources management in Australia and internationally. He is the recipient of major grants from the Australian Research Council; Land and Water Resources R&D Corporation; Murray-Darling Basin Commission; Environment Protection Authority; Government Agencies; Greenhouse Information Program; US National Science Foundation; and the World Water Council. He was twice nominated for the Stockholm Water Prize.

During his career at New England, Professor Pigram has supervised 49 higher degree students – 28 Ph.D; 21 Masters/Litt B. Several graduates now occupy senior academic and professional positions in Australia, New Zealand and North America. Among these are Professor John Jenkins, University of Newcastle – now appointed to Southern Cross University; Professor Norman McIntyre, Lakehead University, Canada; Dr Neil Lipscombe, Charles Sturt University; Dr Xiandeng Hu, James Cook University; Dr Peiyi Ding, University of Queensland; Professor Robert Payne, Lakehead University, Canada; Dr Baeng Cho, Pusan University Korea;

Dr Tian Shi, CSIRO, Adelaide; Dr Bruce Hooper, Director DHI, Australia; Dr Jeannet van der Lee, UNE; Dr Anthony Meppem, CSIRO, Alice Springs; and Dr John Wolfenden, UNE.

In 1987, Professor Pigram, with Professor Warren Musgrave and Professor John Burton, received an award of \$750 000 from the Australian Government to establish the Centre for Water Policy Research at the University of New England, Australia. Professor Pigram was Executive Director and Director of the Centre until 2001, and had overall responsibility for management of a diverse program of applied research, fostering excellence in scholarship and professional activity at the cutting edge of water policy. This research has had a lasting impact on the process of water reform in Australia and in the wider international scene. Under his leadership, the Centre carried out major studies in rural and urban water policy and practice in both the public and private sector.

Professor Pigram was a Founding Member of the Board of Governors of the World Water Council and the Club of Tokyo (modelled on the Club of Rome), He was also President, 2001-3, of the International Water Resources Association and chaired the Organising Committee for the Xth World Water Congress of the Association in Melbourne, Australia in March 2000. In October 2002, Professor Pigram made a major contribution to the organisation of the Rosenberg International Water Policy Forum in Canberra, Australia. The Forum attracted leading world figures to examine the issues involved in balancing conflicting claims on water resources.

In 2005, Professor Pigram was appointed Fellow of the International Water Resources Association, the highest rank of membership in the Association. In 2006, Professor Pigram was the recipient of the Distinguished Service Award of the International Water Resources Association for outstanding contributions in the field of water policy and exceptional academic leadership in water resources management and water reform in Australia and other regions of the world.

Professor Pigram remains actively associated with the University of New England. He is engaged in research and supervision of graduate students in the Centre for Ecological Economics and Water Policy Research and maintains a demanding schedule of involvement in leading international water organisations, including the 3rd World Water Forum, Osaka, 2003, and the 4th World Water Forum, Mexico City, 2006. Dr Pigram acted as invited Chair of the Australian Water Summit in Sydney in 2005 and 2006 and has been invited to chair the Summit again in 2007. In October 2006, he was invited to present a lecture at McGill University, Montreal, Canada, entitled 'Water Resources Management: The Australian Experience'.

Professor Pigram's involvement in water resources research has been successfully linked to related research activities and teaching in outdoor recreation and tourism in the Department of Geography and Planning at the University of New England. He is a Charter Member of the International Academy for the Study of Tourism. His primary research interests encompass:

- Integrated water resources management
- Environmental water allocations and in-stream use
- Ecologically sustainable resource management
- Water pricing markets and trade in water entitlements
- Climate change and irrigation
- Institutional reform and structural adjustment
- Organisational change in the water industry
- Water resources management in island environments
- Sustainable tourism management
- Water resources, national parks and protected areas

Professor Pigram is the author, co-author and editor of a large number of scholarly publications, including six books (two in 2006), two encyclopaedia, 19 major edited works, and 32 monographs and research reports. He has produced numerous book chapters and articles in leading refereed journals and has made over 70 presentations to national and international conferences. Professor Pigram also serves on the Editorial Boards

of international journals and acts as reviewer, assessor and examiner for higher degree theses, and in funding applications and research submissions

Selected books, edited works and recent papers that Professor Pigram has authored, co-authored and edited are listed below:

- 0-582-681243 Cotton – 1970
 0-85834-126-3 An Atlas of New England – 1976
 0 312 59135-7 Outdoor Recreation and Resource Management - 1983
 0-582-71139-8. Issues in the Management of Australia's Water Resources - 1986
 0-85834-899-3 Transferability of Water Entitlements - 1990
 0-85834-986-8. Water Allocation for the Environment – 1991
 1-86389-382-2 Security and Sustainability in a Mature Water Economy - 1996
 1-86389-401-2 National Parks and Protected Areas: Selection, Delimitation and Management - 1997
 0 415 16001 4 Tourism, Development and Growth – 1997
 0 415 15999 7 Outdoor Recreation Management - 1999; reprinted 2002; 2003 (twice)
 0 415 15405 7 Encyclopaedia of Tourism - 2000
 0 415 25226 1 Encyclopaedia of Leisure and Outdoor Recreation – 2003
 0 415 36540 6 (hbk) Outdoor Recreation Management , 2nd Edition – 2006
 0 415 36541 4 (pbk) Outdoor Recreation Management , 2nd Edition – 2006
 (Chinese Translation – 2007)
 0 643 09337 9 Australia's Water Resources; From Use to Management – 2006
 (In a review by Malcolm Turnbull, Minister for the Environment and Water Resources in Federal Cabinet, the comment was made: "If there is one book to get you up to speed on our water challenges, it is this one")
 The publisher, CSIRO, is to publish an updated and revised version of the book in 2007.

Selected papers:

- 2007 "The Current Drought Crisis in Australia", Newsletter, World Water Council, Marseille.
 2007, "Water-Related Infrastructure for Nautical Tourism" Chapter 2 in Nautical Tourism Development: Concepts and Issues, Ed. M. Lueck (in press)
 2006 "Outdoor Recreation", Handbook of Leisure Studies, 363-385 (co-author)
 2004 "Towards Healthier River Systems – A Flawed Process", Water 30. 1, 6-9.
 2003 "Vers des rivieres en meilleure sante – Un processus defectueux d'allocation des ressources en eau", **La Houille Blanche Revue Internationale de L'Eau, 1/2003, 71-75.**
 2002, "Towards a National Water Policy for Australia", presented to Club of Tokyo, Alexandria, Egypt, August.
 2002, "Water Resources Management in Island Environments", Tourism, 49. 3, 267-274
 2001, "Opportunities and Constraints in the Transfer of Water Technology and Experience between Countries and Regions", Water Resources Development, 17, 4, 563-579.
 2001, "The Contribution of Desalination to addressing the Freshwater Requirements of a Thirsty World", Keynote Address, Proceedings of the Workshop on Water Conservation in the Kingdom, Dhahran, Saudi Arabia, E-2-1, April.
 2001, "International Perspectives on Watershed Management: From Vision to Reality", Keynote Address to the Annual Conference of the Canadian Water Resources Association, Guelph, June.
 2001, "Water for the Natural Environment – Sharing the Resource and Sharing the Costs", presented to Club of Tokyo, Aswan, Egypt, November.
 2001, "Integrated Water Resources Management and the Arab World", Keynote Address to International Conference on Economic and Social Uses of Water in Arab Countries, Beirut, June.
 2001, "Integrated River Basin Management - Australia's Murray-Darling Basin: An Unfinished Agenda", Keynote Address to Foundation for Water Research, Birmingham, UK, October.
 2001, "The Global Outlook for Water Resources: A Perspective from the International Water Resources Association", Keynote Address to the International conference on the Spanish Hydrologic Plan and Sustainable Water Management, Zaragoza, Spain.
 2000, A Vision for Australia's Water Resources – 2025, World Water Forum, The Hague.
 2000, "Towards Upstream-Downstream Hydro-solidarity: Australia's Murray-Darling Basin", Water International, 25, 2, 222-226.

- 2000, "Options for Rehabilitation of Australia's Snowy River: An Economic Perspective", Regulated Rivers, Research and Management, 16, 363-373.
- 1999, "Economic Instruments in the Management of Australia's Water Resources: A Critical View", Water Resources Development, December, 15, 4, 493-509.
- 1999, "Tradeable Water Rights: the Australian Experience", in Proceedings of International Conference on Water Management, Taiwan Institute of Economic Research, 91-110.
- 1999, "North-South or South-South? Projecting the Australian Experience in Water Reform", Water International, 24, 4, 385-390
- 1997, "Australia's Water Situation: Resource Allocation and Management in a Maturing System", in D. Parker and Y. Tsur (eds.) Decentralization and Coordination of Water Resource Management, Berkeley: Kluwer, 67-86.
- 1996, "Sharing the Waters of the Murray-Darling Basin: Co-operative Federalism under Test in Australia", in R. Just, and S. Netanyahu, (eds.) Conflict and Co-operation in Trans-Boundary Water Resources, Berkeley: Kluwer, 131-151 (Co-Author).
- 1993, "Property Rights and Water Markets in Australia: An Evolutionary Process Towards Institutional Reform", Water Resources Research, 29, 4, 1313-1319.
- 1991 "Private Sector Involvement in Irrigation Agriculture", Land Use Policy, 8, 2, 133-142. (Co-Author)
- 1991, "Transferability of Water Entitlements in Australia", Regulated Rivers: Research & Management 5: 391-399. (Co-Author).

