

1. Record Nr.	UNINA9910456375803321
Titolo	Public science in liberal democracy // edited by Jene M. Porter and Peter W. B. Phillips
Pubbl/distr/stampa	Toronto, [Ontario] ; ; Buffalo, [New York] ; ; London, [England] : , : University of Toronto Press, , 2007 ©2007
ISBN	1-4426-8472-0
Descrizione fisica	1 online resource (356 p.)
Disciplina	303.48/3
Soggetti	Democracy and science Science and state Research - Government policy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Essays presented at a conference held in Saskatoon, Sask., October 2004.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Abbreviations -- Introduction: The History, Philosophy, and Practice of Public Science / Porter, Jene / Phillips, Peter W.B. -- Section One: The History of Public Science in Theory and Practice -- 1. The Element Publicum / Stewart, Larry -- 2. Science, Democracy, and Philosophy: From Marginal Achievements to Impossible Opportunities / Mitcham, Carl -- 3. Public Geoscience at the Frontiers of Democracy / Hutchinson, Deborah R. / Williams, Richard S. -- 4. Public Science, Society, and the Greenhouse Gas Debate / Cook, Peter J. -- Section Two: Solutions to the Problems: Philosophic -- 5. The Role of Humanities Policy in Public Science / Frodeman, Robert -- 6. Science Studies Encounter with Public Science: Mertonian Norms, the Local Life of Science, and the Long Duré / McOuat, Gordon -- 7. The Democratic Deficit of Science and Its Possible Remedies / Jarvie, Ian -- 8. New Atlantis Reconsidered / Craig, Leon Harold -- 9. Expertise, Common Sense, and the Atkins Diet / Shapin, Steven -- 10. The Role of the Public Academic Scientist in the Twenty-first Century: Who Is Protecting the Public Interest? / McHughen, Alan -- 11. The Science Literacy Gap: Enabling Society to Critically Evaluate New Scientific

Developments / Sachs, Eric S. -- Section Three: Solutions to the Problems: Institutional -- 12 Science and Policymaking: The Legitimation Conundrum / Skogstad, Grace / Hartley, Sarah -- 13. Bringing Balance, Disclosure, and Due Diligence into Science-Based Policymaking / McKittrick, Ross -- 14. Technoscience in an 'Illiberal' Democracy: The Internet and Genomics in Singapore / Baber, Zaheer -- 15. Retaining Scientific Excellence in Setting Research Priorities: Lessons from the Consultative Group on International Agricultural Research (CGIAR) / Gerrard, Christopher D. -- 16. Toward Centres for Responsible Innovation in the Commercialized University / Guston, David H. -- 17. Citizens and Biotechnology / Dhanda, Rahul K. -- Contributors

Sommario/riassunto

Regardless of whether science is practised in industry, the academy, or government, its conduct inescapably shapes and is shaped by democratic institutions. Moreover, the involvement of science with public policy formation and democracy has dramatically increased over the centuries and, by all accounts, will continue to do so. In order to understand the functioning of science and democracy, it is necessary to acknowledge the complex relationship between them. Public Science in Liberal Democracy aims to do this from an interdisciplinary perspective, presenting an array of substantively different positions on the issues that it explores. The volume focuses on three major questions: Can science retain independence and objectivity in the face of demands to meet commercial and public policy objectives? In what ways is scientific discourse privileged in the formation of public policy? How can scientific knowledge and methodology be made compatible with the interdisciplinarity and integration required of public policy formation and discourse? Representing a wide range of viewpoints, the contributors to Public Science in Liberal Democracy come from Canada, Europe, the United States, and Australia, and include practising scientists as well as scholars working in the humanities and social sciences. This timely and thought-provoking collection makes an important contribution to the literature and will appeal to anyone interested in scientific research and its political and philosophical ramifications in democratic society.
