

# Contents

<b>1</b>	<b>Introduction</b>	1
<b>2</b>	<b>Some Fundamental Economics</b>	5
2.1	The Economics of Copyright	5
2.1.1	The Basic Concept of Copyright	5
2.1.2	The Economics of Copyright and Copying	21
2.1.3	Copyright in Transition: Challenges in the Information Age	32
2.2	The Economics of Science	37
2.2.1	The Concept of Science and Scientific Research	37
2.2.2	The Reward Structure of Science	41
2.2.3	Some Implications: Why do Scientists do Science?	46
2.3	A Comparison: The Shavell Model and Beyond	47
<b>3</b>	<b>Academic Journal Publishing and the Open Access Movement</b>	53
3.1	The Academic Journal Publishing Market	53
3.1.1	The Principles of Academic Publishing	53
3.1.2	The Journal Publishing Market: An Industry Analysis	57
3.1.3	Implications	64
3.2	The Open Access Movement	65
3.2.1	The Open Access Principles	65
3.2.2	The Open Access Movement: A Brief History	68
3.2.3	The Rise of Open Access Journals: Some Descriptive Statistics	75
3.2.4	Recent Developments	79
<b>4</b>	<b>On the Access Principle in Science: A Law and Economics Analysis</b>	83
4.1	The Organization of Science: Open Access vs. Copyright	83
4.1.1	Academic Copyright in the Publishing Game: A Contest Perspective	84

- 4.1.2 Academic Copyright in the States Game:  
An International Perspective ..... 94
- 4.2 The Political Economy of Access to Scientific Knowledge..... 101
  - 4.2.1 On the International Political Economy of Access  
in Science ..... 101
  - 4.2.2 On the Role of Open Access in Developing  
Countries: A Natural Experiment ..... 120
- 5 The Future of Academic Publishing ..... 141**
  - 5.1 Policy Implications..... 141
    - 5.1.1 Reform of Copyright ..... 142
    - 5.1.2 Alternatives and Complementary Approaches ..... 145
  - 5.2 A Critical Perspective ..... 150
- 6 Conclusions and Further Research ..... 153**
- 7 Appendix ..... 159**
  - 7.1 The Academic Journal Publishing Market and the OA Movement ... 159
    - 7.1.1 The Academic Journal Publishing Market..... 159
    - 7.1.2 The OA Movement ..... 161
  - 7.2 On the Access Principle in Science: A Law  
and Economics Analysis ..... 163
    - 7.2.1 The Organization of Science: Copyright vs. Open Access ... 163
    - 7.2.2 The Political Economy of Access  
to Scientific Knowledge ..... 167
- Bibliography ..... 175**
- About the Author ..... 191**



<http://www.springer.com/978-3-319-12738-5>

Copyright Versus Open Access  
On the Organisation and International Political Economy  
of Access to Scientific Knowledge  
Scheufen, M.  
2015, XVI, 191 p. 39 illus., Hardcover  
ISBN: 978-3-319-12738-5