Contents

Acknowledgements	vi: ix
Introduction: Transnational corporations and innovatory activities	22
by John Cantwell	1
Part One: Theory and analytical foundations	
 Technology and technological change E. Mansfield 	37
 Profiting from technological innovation: implications for integration, collaboration, licensing and public policy D.J. Teece 	70
3. The theory of technological competence and its application to international production	73
J. Cantwell	107
Part Two: The internationalization of technological activity	
4. Overseas research and development by US-based firms E. Mansfield, D J. Teece and A. Romeo	149
5. R&D and corporate internationalizationO. Granstrand6. The determinants of the geographical diversification of	161
R&D by MNEs R.D. Pearce	186
7. Large firms in the production of the world's technology: an important case of "non-globalization"	
P. Patel and K. Pavitt	212

Part Three: New organizational forms: innovation through inter-firm cooperation, by Third World transnational corporations, and the organizational development of Japanese transnational corporations	
8. Multinational enterprises and the international diffusion of technology F. Chesnais	
9. International collaboration in research and development	241
10. The theoretical background	275
S. Lall 11. The industrial development of Third World outward investment	296
 P.E.E. Tolentino 12. Japan in a new phase of multinationalism and industrial upgrading: functional integration of trade, growth and FDI T. Ozawa 	315
T. Ozawa	361
Part Four: The ownership and location of innovative capacity, the internationalization of economic activity, and policies for national competitiveness	
13. R&D intensity and multinational involvement <i>M. Hirschey</i>	
14. The conditions for multinational protection	387
G. Y. Bertin and S. Wyatt 15. Multinationals, technology and the competitiveness of European industries J. Cantwell and J.H. Dunning	394
Select bibliography	408
Name index	426
Subject index	434 440