



NORTH-HOLLAND

Author Index—Volume 56

- | | |
|----------------------|--------------------------|
| Chiang, J.-T., 77 | Lomberg, J., 171 |
| Glenn, J.C., 203 | Majumdar, S.K., 61 |
| Gordon, T.J., 203 | Meade, N., 49 |
| Haxholdt, C., 119 | Modis, T., 107 |
| Hora, S.C., 155, 171 | Payson, S., 131 |
| Islam, T., 49 | Porter, A.L., 25 |
| Larsen, E.R., 119 | von Tunzelmann, G.N., 1 |
| Linstone, H.A., 201 | von Winterfeldt, D., 155 |
| | Watts, R.J., 25 |

Book Review Index—Volume 56

- | | |
|--|---|
| Dator, J., <i>Paths of Fire: An Anthropologist's Inquiry into Western Technology</i> (Robert McCormick Adams), 87 | <i>Readings</i> (Michael L. Tushman and Philip Anderson), 189 |
| Dator, J., <i>Technological Trajectories and the Human Environment</i> (Jesse H. Ausubel and H. Dale Langsford, eds.), 297 | Rogers, L., <i>The Road Ahead</i> (Bill Gates), 95 |
| Linstone, H.A., <i>War by Other Means: Economic Espionage in America</i> (John J. Fialka), 99 | Sharif, N., <i>Technology and Creativity</i> (Subrata Dasgupta), 197 |
| Pelc, K.I., <i>Managing Strategic Innovation and Change: A Collection of</i> | Sharma, K., <i>Competing in the Information Age</i> (Jerry N. Luftman, ed.), 103 |
| | Sharma, K., <i>Intelligent Information Systems: Meeting the Challenge of the Knowledge Era</i> (Alan J. Rowe and Sue Anne Davis), 193 |

Subject Index—Volume 56

- | | |
|---|--|
| Acres of utilized land, difficulty of measuring capital and, 131 | Aircraft industry, and defense conversion into global system of proprietary technologies, 77 |
| Adoption, and long-term comparison of innovation and industrialization, 1 | Anthropological inquiry, into Western technology, 87 |
| Advertising strategies, genetic re-engineering of corporations and, 107 | Arnol'd waves, mode-locking in forced business cycle and, 119 |
| | Austria, diffusion of successive generations of a technology in, 53 |

- Bass model, diffusion of successive generations of a technology and, 49
- Bibliometric measures, innovation forecasting and, 25
- Capital, difficulty of measuring, 131
- Categories, difficulty of measuring capital and, 131
- Causality, difficulty of measuring capital and, 131
- Ceramic engine technologies, innovation forecasting and, 25
- Change, strategic, 189
- Civilian needs, and defense conversion into global system of proprietary technologies, 77
- Coefficients, diffusion of successive generations of a technology and, 49
- Cognitive intelligibility, markers for nuclear waste sites and, 171
- Combat aircraft, and defense conversion into global system of proprietary technologies, 77
- Commercial buildings, difficulty of measuring capital and, 131
- Commercial jets, and defense conversion into global system of proprietary technologies, 77
- Competition
 - genetic re-engineering of corporations and, 107
 - Information Age and, 103
- Computer technology
 - difficulty of measuring capital and, 131
 - future of, 95
- Consistent patterns, difficulty of measuring capital and, 131
- Constant coefficients, diffusion of successive generations of a technology and, 49
- Contract manufacturing, and defense conversion into global system of proprietary technologies, 77
- Convergence, and long-term comparison of innovation and industrialization, 1
- Core competence, and defense conversion into global system of proprietary technologies, 77
- Corporations, genetic re-engineering of, 107
- Creativity, technology and, 197
- Deep future, nuclear waste and, 155, 171
- Defense conversion, into global system of proprietary technologies, 77
- Design, and defense conversion into global system of proprietary technologies, 77
- Development performance, and long-term comparison of innovation and industrialization, 1
- Devils's staircase, mode-locking in forced business cycle and, 119
- Diffusion
 - digital technology in U.S. telecommunications industry and, 61
 - innovation forecasting and, 25
 - of successive generations of a technology, 49
- Dual-use strategy, and defense conversion into global system of proprietary technologies, 77
- Economic espionage, in America, 99
- Economics
 - and defense conversion into global system of proprietary technologies, 77
 - and long-term comparison of innovation and industrialization, 1
 - mode-locking in forced business cycle and, 119
- Efficiency
 - and defense conversion into global system of proprietary technologies, 77
 - diffusion of successive generations of a technology and, 49
 - digital technology in U.S. telecommunications industry and, 61

- Empirical measures
 digital technology in U.S.
 telecommunications industry
 and, 61
 innovation forecasting and, 25
- Energy consumption capacity, difficulty
 of measuring capital and, 131
- Engineering capability, and defense
 conversion into global system of
 proprietary technologies, 77
- Environment, technological trajectories
 and, 297
- Equipment, difficulty of measuring
 capital and, 131
- Espionage, economic, 99
- Evolution, diffusion of successive
 generations of a technology
 and, 49
- Experience curve, and defense
 conversion into global system of
 proprietary technologies, 77
- Experts, nuclear waste and, 155, 171
- Finland, diffusion of successive
 generations of a technology in, 53
- Firms
 and defense conversion into global
 system of proprietary
 technologies, 77
 digital technology in U.S.
 telecommunications industry
 and, 61
 and long-term comparison of
 innovation and
 industrialization, 1
- Flexibility, and long-term comparison of
 innovation and
 industrialization, 1
- Floor space, difficulty of measuring
 capital and, 131
- Forced business cycle, mode locking
 and, 119
- Formal expert elicitation process, nuclear
 waste and, 155
- France, diffusion of successive
 generations of a technology in, 53
- Full information maximum likelihood
 procedure, diffusion of
 successive generations of a
 technology and, 49
- Functional specifications, and defense
 conversion into global system of
 proprietary technologies, 77
- Gates, Bill, 95
- Generalization, and long-term
 comparison of innovation and
 industrialization, 1
- Genetic re-engineering, corporations
 and, 107
- Germany, diffusion of successive
 generations of a technology in, 53
- Global Look-Out Panel, Millenium
 Project and, 203
- Global system, of proprietary
 technologies, 77
- Goodwin business cycle, mode-locking
 in, 119
- Government
 and defense conversion into global
 system of proprietary
 technologies, 77
 nuclear waste and, 155
- Guidance, genetic re-engineering of
 corporations and, 107
- Hedonic price studies, difficulty of
 measuring capital and, 131
- Heterogeneity, and long-term
 comparison of innovation and
 industrialization, 1
- Hungary, diffusion of successive
 generations of a technology in, 53
- IBM mainframes, diffusion of successive
 generations of a technology
 and, 49
- Ideology, and long-term comparison of
 innovation and
 industrialization, 1
- Image-building strategies, genetic re-
 engineering of corporations
 and, 107
- Imitation, diffusion of successive
 generations of a technology
 and, 49
- Inadvertent human intrusion, nuclear
 waste and, 155, 171

- Industrial equipment, difficulty of measuring capital and, 131
- Industrial revolutions, and long-term comparison of innovation and industrialization, 1
- Industry
 and defense conversion into global system of proprietary technologies, 77
 genetic re-engineering of corporations and, 107
 long-term comparison with innovation, 1
- Information Age, competing in, 103
- Information processing, difficulty of measuring capital and, 131
- Information superhighway, digital technology in U.S. telecommunications industry and, 61
- Information systems, intelligent, 193
- Inhibition, and long-term comparison of innovation and industrialization, 1
- Innovation
 forecasting overview, 25
 long-term comparison with industrialization, 1
 strategic, 189
- Intelligent information systems, challenge of knowledge era and, 193
- Interaction, mode-locking in forced business cycle and, 119
- Interdependences, innovation forecasting and, 25
- Interdisciplinary teams, nuclear waste and, 155, 171
- Internal logic, and long-term comparison of innovation and industrialization, 1
- International standardization, markers for nuclear waste sites and, 171
- Isolation, and defense conversion into global system of proprietary technologies, 77
- Italy, diffusion of successive generations of a technology in, 53
- Knowledge era, intelligent information systems and, 193
- Limitations, and long-term comparison of innovation and industrialization, 1
- Linear systems, mode-locking in forced business cycle and, 119
- Line digitalization, digital technology in U.S. telecommunications industry and, 61
- Linguistic approaches, markers for nuclear waste sites and, 171
- Linkage, and long-term comparison of innovation and industrialization, 1
- Local industry, and defense conversion into global system of proprietary technologies, 77
- Local operating sector, digital technology in U.S. telecommunications industry and, 61
- Long-term comparison, of innovation and industrialization, 1
- Management, of strategic innovation and change, 189
- Manufacturing equipment, difficulty of measuring capital and, 131
- Mapping, innovation forecasting and, 25
- Market niche, genetic re-engineering of corporations and, 107
- Market reaction, diffusion of successive generations of a technology and, 49
- Materials, markers for nuclear waste sites and, 171
- Measuring capital, difficulty of, 131
- Memory, nuclear waste and, 155
- Meso-level changes, and long-term comparison of innovation and industrialization, 1
- Messages, markers for nuclear waste sites and, 171
- Micro-level changes, and long-term comparison of innovation and industrialization, 1
- Military needs, and defense conversion into global system of proprietary technologies, 77

- Millenium Project
 1997 state of the future, 203
 introduction to, 201
- Mismatches, and long-term comparison
 of innovation and
 industrialization, 1
- Mobile telephone technology, diffusion
 of successive generations of a
 technology and, 49
- Mode-locking, in forced business cycle,
 119
- Modularity, digital technology in U.S.
 telecommunications industry
 and, 61
- National accounts, difficulty of measuring
 capital and, 131
- National systems of production, and long-
 term comparison of innovation
 and industrialization, 1
- Natural units, difficulty of measuring
 capital and, 131
- Networks, digital technology in U.S.
 telecommunications industry
 and, 61
- New Mexico, nuclear waste in, 155, 171
- Nodes, Millenium Project and, 201
- Nonlinear dynamics, mode-locking in
 forced business cycle and, 119
- Nuclear waste sites
 future societies and, 155
 very long term communication
 intelligence and, 171
- Operationalization, innovation
 forecasting and, 25
- Optimization, genetic re-engineering of
 corporations and, 107
- Orderliness, innovation forecasting and,
 25
- Oscillatory processes, mode-locking in
 forced business cycle and, 119
- Partitioning, difficulty of measuring
 capital and, 131
- p cycles, mode-locking in forced business
 cycle and, 119
- Physical capital, difficulty of measuring,
 131
- Physical durability, markers for nuclear
 waste sites and, 171
- Physically meaningful units, difficulty of
 measuring capital and, 131
- Pictographic approaches, markers for
 nuclear waste sites and, 171
- Political phenomena, and long-term
 comparison of innovation and
 industrialization, 1
- Portugal, diffusion of successive
 generations of a technology in, 53
- Potential threats, nuclear waste and, 155
- Predecessors
 diffusion of successive generations of
 a technology and, 49
 and long-term comparison of
 innovation and
 industrialization, 1
- Preliminary design criteria, markers for
 nuclear waste sites and, 171
- Productivity
 and defense conversion into global
 system of proprietary
 technologies, 77
 digital technology in U.S.
 telecommunications industry
 and, 61
 and long-term comparison of
 innovation and
 industrialization, 1
- Proprietary technologies, defense
 conversion into global system
 of, 77
- q cycles
 mode-locking in forced business cycle
 and, 119
- Radioactivity, nuclear waste and, 155
- Raw materials, difficulty of measuring
 capital and, 131
- Repositories, for nuclear waste, 155, 171
- Residential housing
 difficulty of measuring capital and, 131
 and long-term comparison of
 innovation and
 industrialization, 1
- Resource exploration, nuclear waste
 and, 155

- Revolutions, industrial, 1
- Scale economies, and defense conversion into global system of proprietary technologies, 77
- Scope economies, and defense conversion into global system of proprietary technologies, 77
- Shapes, markers for nuclear waste sites and, 171
- Simultaneous estimation, diffusion of successive generations of a technology and, 49
- Sine wave perturbation, mode-locking in forced business cycle and, 119
- Sizes, markers for nuclear waste sites and, 171
- Speed of calculations, difficulty of measuring capital and, 131
- Spin-off strategy, and defense conversion into global system of proprietary technologies, 77
- Strains, and long-term comparison of innovation and industrialization, 1
- Strategic innovation and change, managing, 189
- Substitution, innovation forecasting and, 25
- Successive generations of a technology, diffusion of, 49
- Successors, and long-term comparison of innovation and industrialization, 1
- Superposition principle, mode-locking in forced business cycle and, 119
- Sweden, diffusion of successive generations of a technology in, 53
- Switzerland, diffusion of successive generations of a technology in, 53
- Symbolic approaches, markers for nuclear waste sites and, 171
- Taiwan, aircraft industry in, 77
- Technological change, difficulty of measuring capital and, 131
- Technological development rate, nuclear waste and, 155
- Telecommunications industry, digital technology and, 61
- Trajectories, technological, 297
- Transfer, innovation forecasting and, 25
- Trends, innovation forecasting and, 25
- Turkey, diffusion of successive generations of a technology in, 53
- Uncertainty, conquering, 107
- Unemployment, and long-term comparison of innovation and industrialization, 1
- United Kingdom, diffusion of successive generations of a technology in, 53
- United Nations University, Millenium Project and, 201
- United States
 - difficulty of measuring capital in, 131
 - economic espionage in, 99
 - nuclear waste in, 155, 171
 - telecommunications industry in, 61
- Very long term communication intelligence, markers for nuclear waste sites and, 171
- Virtual think tank capability, Millenium Project and, 201
- “Virtual war”, economic espionage and, 99
- Voltera-Lotka equations, genetic re-engineering of corporations and, 107
- Volume of structures, difficulty of measuring capital and, 131
- War, by other means, 99
- Warning markers, for nuclear waste sites, 171
- Waste Isolation Pilot Plant, nuclear waste and, 155
- Weighting, difficulty of measuring capital and, 131
- Western technology, anthropologist’s inquiry into, 87
- World leading integrators, and defense conversion into global system of proprietary technologies, 77