1. Record Nr. UNISA996395630903316

Autore	Phillippes Henry <d. 1677?>
Titolo	A mathematical manual, containing tables of logarithmes for numbers, sines and tangents [[electronic resource]] : with the manifold use thereof briefly explained and applied in arithmetick, geometry, astronomy, geography, surveying, navigation, dialling, gunnery, and gauging / / by Henry Phillippes
Pubbl/distr/stampa	London, : Printed by E. Cotes for G. Hurlock, W. Fisher, E. Thomas and D. Page ..., 1669
Descrizione fisica	[6], 201, [177] p., [4] leaves of plates : ill
Soggetti	Mathematics Logarithms Gaging Sundials Gunnery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Table of artificial sines and tangets to every degree and minute of the quadrant" has special t.p.; "Table of logarithm numbers, from one to ten thousand ..." has special t.p. dated 1678; "Table of proportional parts, whereby the intermediate logarithms of all numbers ..." has special t.p. dated 1678. Errors in paging: p. 106 misnumbered 107, p. 127 misnumbered 129. Reproduction of original in: Folger Shakespeare Library.
Sommario/riassunto	eebo-0018

2. Record Nr. UNINA9910960838203321

Titolo	The Positive sum strategy : harnessing technology for economic growth / / Ralph Landau and Nathan Rosenberg, editors
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1986
ISBN	9786610222063 9781280222061 1280222069 9780309567985 030956798X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (656 p.)
Altri autori (Persone)	LandauRalph RosenbergNathan <1927->
Disciplina	338.9/26
Soggetti	Technological innovations - United States United States Economic conditions Congresses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Sponsored by the National Academy of Engineering and others.
Nota di bibliografia	Includes bibliographies and index.
Nota di contenuto	The Positive Sum Strategy -- Copyright -- Introduction -- WHY DIALOGUE IS NEEDED -- Why Should Technologists Be Concerned About Economics? -- Why Should Economists Be Concerned About Technology? -- THEMES OF THIS VOLUME -- Contents -- Editors' Overview -- ECONOMIC GROWTH-THE BASIS FOR ANY SOCIETY'S HOPES FOR THE FUTURE -- THE BASIC FACTOR IN ECONOMIC GROWTH: TECHNOLOGY (EMBODIED AND DISEMBODIED) -- INSIDE THE BLACK BOX OF TECHNOLOGY -- THE INNOVATIVE PROCESS AND ITS PROPER CLIMATE -- The Technological and Entrepreneurial Climate -- The Financial Climate -- OBSTACLES TO U.S. GROWTH: SUMMARY -- COMPETITIVENESS: THE FIRST PRIORITY FOR FUTURE AMERICAN PROSPERITY -- The Impact of Technological Innovation: A Historical View -- THE LIMITATIONS OF THE EXPERT -- TECHNOLOGICAL CHANGE AND UNEMPLOYMENT -- CONCLUSION -- NOTES -- Macroeconomics, Technology, and Economic Growth: An Introduction to Some Important Issues -- ISSUES IN MACROECONOMICS RELATED TO TECHNOLOGY -- CHANGING VIEWS ON A CHANGING ECONOMY: ALLEGED CRISIS IN

ECONOMICS -- Economic Events of the 1970s -- Economic Schools of Thought -- RECENT ECONOMIC POLICY -- CONCLUSION AND PARTIAL RESEARCH AGENDA -- REFERENCES AND BIBLIOGRAPHY -- Microeconomics and Productivity -- GROWTH AND PRODUCTIVITY -- ENDOGENOUS PRODUCTIVITY GROWTH -- GROWTH PROSPECTS -- CONCLUSION -- NOTES -- REFERENCES -- Dynamic Competition and Productivity Advances -- MOTIVATED COMPETITION -- STATISTICAL RESULTS -- NEED FOR LONGER-RUN ADJUSTMENTS -- CONCLUSIONS -- NOTES -- The Effect of Recent Macroeconomic Policies on Innovation and Productivity -- Macrorealities of the Information Economy -- SHIFTS IN OUTPUT AND EARNINGS -- INFORMATION WORKERS AND THE INVESTMENT RESPONSE -- A COMMON THREAD -- PRODUCTIVITY IMPLICATIONS -- A DARK SIDE -- REALITIES OR VISIONS? -- Harnessing Technology for Growth.
Technology and Its Role in Modern Society -- REVIEW OF AMERICA'S TECHNOLOGICAL POSITION -- ROLE OF THE NATIONAL ACADEMY OF ENGINEERING -- CONCLUSION -- National Science Policy and Technological Innovation -- HISTORIC ROLES OF GOVERNMENT IN SCIENCE AND TECHNOLOGICAL INNOVATION -- The Growing Role of Government -- Government and Basic Science -- The Watershed of World War II -- THE POSTWAR ERA AND THE NEW SOCIAL CONTRACT BETWEEN SCIENCE AND SOCIETY -- "Science the Endless Frontier" -- Trends in R&amp -- D Expenditures -- THREE EPOCHS IN POSTWAR SCIENCE POLICY -- The Cold War Period: 1945-1965 -- The Social Priorities Period: 1965-1978 -- The Period of Emphasis on Innovation Policy -- COMPARATIVE INDICATORS OF U.S. PERFORMANCE IN SCIENCE AND TECHNOLOGY -- Inputs -- Outputs -- Other Indices of Competitive Erosion -- RELATIVE ROLES OF PUBLIC AND PRIVATE SECTORS IN GENERATION AND COMMERCIALIZATION OF NEW TECHNOLOGY -- Areas of Consensus on Federal Responsibility -- Areas of Consensus on Inappropriateness of Government Role -- Areas of Controversy -- Other Public Policies for Innovation -- OUTLOOK AND PROSPECT: CAN THE U.S. DECLINE BE REVERSED? -- REFERENCES -- The Role of the Legal System in Technological Innovation and Economic Growth -- THE LEGAL SYSTEM AS FACILITATOR -- EFFECTS OF TECHNOLOGY AND ECONOMIC ORGANIZATION ON LAW -- CONSTRAINING ASPECT OF LAW -- Tort Doctrine of Negligence-Interface With Transportation -- Negligence and Nuisance-Interface With Environmental Protection -- Strict Products Liability -- Judicial Fact-Finding -- CONCLUSIONS -- RELATED ISSUES -- REFERENCES -- The Bhopalization of American Tort Law -- TORT LAW, OLD AND NEW -- Bipolarity -- Timeliness -- The World in the Oyster -- The Driving Force -- CAN THE LEGAL SYSTEM COPE? -- Regressive Incentives -- Inefficient Compensation -- Kindling the Flames -- The Writing on the Wall.
THE AGENCIES AND THE COURTS -- Institutional Competence -- Deferring to the Experts -- Compensating Victims -- PUBLIC RISKS AND POLITICAL LEGITIMACY -- NOTES -- From Understanding to Manipulating DNA -- THE DOUBLE HELIX -- THE CENTRAL DOGMA -- THE GENETIC CODE -- THE ENZYMOLOGY OF DNA SYNTHESIS -- RULES FOR GENE EXPRESSION -- A PAUSE WITHIN THE GOLDEN AGE -- THE UNANTICIPATED DISCOVERY OF RESTRICTION ENZYMES -- THE MAKING OF THE FIRST RECOMBINANT DNA MOLECULES -- PRODUCTION OF FOREIGN PROTEINS BY RECOMBINANT DNA-BEARING PLASMIDS -- EXTENSION OF RECOMBINANT DNA METHODS TO CELLS OTHER THAN BACTERIA -- DECREASING BUT STILL HARMFUL REGULATION OF RECOMBINANT DNA -- POTENTIAL TO DO SCIENCE FAR EXCEEDS CURRENT FINANCIAL BASE -- BIBLIOGRAPHY -- The Physical Sciences

As the Basis for Modern Technology -- CHRONOLOGY OF THE PHYSICAL SCIENCES -- APPLIED SCIENCE SUPPORT FOR INNOVATION AND TECHNOLOGY -- Crystals and Glasses -- Phase Rule Applications -- Hydrocarbons -- Surface Technology -- Nuclear Science and Radioisotopes -- SCIENCE SUPPORTING MEASUREMENT AND SYSTEMS -- Technological Education -- TECHNOLOGICAL EDUCATION IN THE UNITED STATES -- TECHNOLOGICAL EDUCATION IN JAPAN -- FUTURE DIRECTIONS -- Basic Research in the Universities: How Much Utility? -- WHY NEW UNIVERSITY-INDUSTRY RELATIONSHIPS ARE DEVELOPING -- THE QUALITY-UTILITY DEBATE -- CONSIDERATIONS IN FORMULATING RESEARCH POLICIES -- What Growth and Cost Features Must Be Considered? -- How Is Quality To Be Recognized and Measured? -- How Is Utility To Be Recognized and Measured? -- Are Commercial Incentives Good Devices for Generating Utility From Quality? -- CONCLUSION -- NOTES -- An Overview of Innovation -- INTRODUCTION -- CHARACTERIZATION OF INNOVATION -- MODELS OF INNOVATION -- The Linear Model -- The Chain-Linked Model -- UNCERTAINTY IN INNOVATION -- ECONOMICS OF INNOVATION. Rising Development Costs -- Resistance to Radical Innovation -- Financial Risks -- Coupling the Technical and the Economic -- CONCLUSIONS -- REFERENCES AND BIBLIOGRAPHY -- Microeconomics of Technological Innovation -- RELATIONSHIP BETWEEN R&amp -- D AND PRODUCTIVITY GROWTH -- SOCIAL AND PRIVATE RETURNS FROM SPECIFIC INNOVATIONS -- BASIC RESEARCH AND PRODUCTIVITY -- CENTRAL ROLE OF IMITATION COSTS AND TIMES -- Patents and Imitation Costs -- Imitation Costs, Entry, and Concentration -- PATENTS AND THE RATE OF INNOVATION -- PRICE INDEXES FOR R&amp -- D INPUTS -- THE DIFFUSION OF INNOVATIONS -- INTERNATIONAL TECHNOLOGY TRANSFER -- EFFECTS ON OTHER COUNTRIES OF THE OUTFLOW OF U.S. TECHNOLOGY -- CONCLUSIONS -- NOTES -- REFERENCES -- Macroeconomics and Microeconomics of Innovation: The Role of the Technological Environment -- OVERVIEW -- IMPORTANCE OF THE TECHNOLOGICAL ENVIRONMENT -- COMMENTS ON CHAPTERS BY JORGENSON AND MANSFIELD -- REFERENCES -- Technical Change and Innovation in Agriculture -- THE CONTRIBUTION OF RESEARCH TO PRODUCTIVITY GROWTH -- PUBLIC AND PRIVATE SECTOR GENERATION OF AGRICULTURAL TECHNOLOGY -- Recent Trends in Public and Private Sector Research -- Perspective -- INDUCED TECHNICAL CHANGE IN AGRICULTURE -- Mechanical Processes -- Biological and Chemical Processes -- INDUCED TECHNICAL CHANGE: THE UNITED STATES AND JAPAN -- IMPLICATIONS AND LESSONS -- NOTES -- REFERENCES -- Technology Adoption: The Services Industries -- TECHNOLOGY, ECONOMICS, AND ENTREPRENEURSHIP -- CREATIONS OF THE MIND -- INNOVATION -- THE SERVICES INDUSTRIES -- Productivity Versus Manufacturing -- Support Services Industries -- Medical Care Services -- TOTAL IMPACT -- Technology Diffusion, Public Policy, and Industrial Competitiveness -- THE ADOPTION OF NEW TECHNOLOGIES AND THE DOG THAT DID NOT BARK -- THE NEW MICROECONOMICS OF TECHNOLOGY DIFFUSION-AN OVERVIEW. Key Demand Factors in Technology Diffusion -- Key Supply Factors in Technology Diffusion -- CONCLUDING PERSPECTIVES ON PUBLIC POLICIES -- ACKNOWLEDGMENT -- REFERENCES -- Determinants of Innovative Activity -- RELATIVE TECHNOLOGICAL POSITIONS OF VARIOUS COUNTRIES -- DETERMINANTS OF NATIONAL PATTERNS OF TECHNOLOGICAL ACTIVITY -- EFFECTS OF GOVERNMENT POLICIES -- REFERENCES -- Programmed Innovation-Strategy for Success -- EASTMAN CHEMICALS: A CASE STUDY OF THE CHEMICAL INDUSTRY -- Making Research Central to a Company's Future -- The Role of

Planning in a Research Organization -- Managing and Guiding the Process of Innovation -- Business Aspects of Managing R&amp -- D -- The Future at Eastman Chemicals -- INTEGRATING TECHNOLOGY WITH CORPORATE STRATEGIC PLANNING -- The Chemical Industry: Challenges, Risks, and Rewards -- NOTES -- Entrepreneurship and Innovation: The Electronics Industry -- Entrepreneurship and Innovation: Biotechnology -- OPPORTUNITIES AND RISKS -- Patent Protection -- REGULATIONS -- FDA Regulations -- Export Policy -- SUMMARY -- Impact of Entrepreneurship and Innovation on the Distribution of Personal Computers -- Making the Transition From Entrepreneur to Large Company -- Cultivating Technological Innovation -- UNDERPINNINGS OF TECHNOLOGICAL GROWTH -- A CLOSER LOOK AT VENTURE FUNDS -- LARGE COMPANIES AND TECHNOLOGICAL INNOVATION -- SUMMARY -- The Role of Large Banks in Financing Innovation -- BANKS AND TECHNOLOGICAL INNOVATION -- THE ROLE OF LARGE BANKS IN THE FINANCIAL SYSTEM -- LARGE BANKS AND THE START-UP COMPANY -- BANKS AND THE EMERGING GROWTH COMPANY -- FINANCING INNOVATION IN THE ESTABLISHED COMPANY -- LARGE FINANCIAL INSTITUTIONS AS GLOBAL INTERMEDIARIES -- CONCLUSIONS -- NOTES -- A View From Wall Street -- Trends in Financing Innovation -- Technology and Trade: A Study of U.S. Competitiveness in Seven Industries.
FINDINGS OF INDUSTRY STUDIES.

Sommario/riassunto

This volume provides a state-of-the-art review of the relationship between technology and economic growth. Many of the 42 chapters discuss the political and corporate decisions for what one author calls a "Competitiveness Policy." As contributor John A. Young states, "Technology is our strongest advantage in world competition. Yet we do not capitalize on our preeminent position, and other countries are rapidly closing the gap." This lively volume provides many fresh insights including "two unusually balanced and illuminating discussions of Japan," Science noted.