

Contents

Introduction	7
Chapter I THE MARXIST-LENINIST THEORY OF THE DEVELOPMENT OF SCIENCE	15
1. The Conceptual Prerequisites and Theoretical-Methodological Foundations of the Marxist Conception of Science	15
2. Science as a Form of Cognition and a Form of Spiritual Production	22
3. The Social Functions of Science	29
4. Science as an Immediate Productive Force	35
5. The Laws of Development of Science	45
Chapter II FROM THE REVOLUTION IN NATURAL SCIENCE TO THE SCIENTIFIC AND TECHNOLOGICAL REVOLUTION	59
1. The Revolution in Natural Science in the 20th Century and Changes in their Structure and Methodological Foundations	59
2. The Nature and Specific Features of the Scientific and Technological Revolution	77
Chapter III SCIENCE IN THE SYSTEM OF SOCIAL RELATIONS	93
1. Science and Ownership Relations	93
2. Science and Ideology	103
3. Science and Politics	115
4. Social Systems and the Development of Science. Science and the Struggle for Peace	126
Chapter IV CONDITIONS FOR THE DEVELOPMENT OF SCIENCE AND ITS SOCIAL FUNCTIONS UNDER SOCIALISM	143

	1. Socialist Social Relations and Inner Needs of the Development of Contemporary Science	143
	2. Science and Democracy	153
	3. Changes in the Social Function of Science under Socialism	169
	4. The Mounting Role of Social Sciences under Socialism	179
	5. The Development of the Theoretical and Methodological Foundations of Scientific Knowledge of Nature and Society	194
Chapter V	SCIENCE POLICY AND THE CONTROL OF THE DEVELOPMENT OF SCIENCE	203
	1. The Communist and Workers' Parties and Problems of the Control of the Development of Science and Technology	203
	2. The Elaboration of the Strategy for the Development of Science as Part of the General Strategy for the Development of the Socialist Society	215
	3. The Principles of Planning, Organization and Management of Scientific Activity under Socialism	233
	4. Paths for Increasing the Efficiency of Scientific Activity	253
Chapter VI	SCIENCE, PRODUCTION AND SOCIAL MANAGEMENT	277
	1. New Forms of the Linkage of Science and Production	277
	2. The Role of Science in the Development of the Non-Productive Sphere	297
	3. Social Management and the Social Sciences	307
Chapter VII	PROBLEMS OF INTERNATIONAL SCIENTIFIC AND TECHNOLOGICAL COOPERATION	321
	1. The Scientific and Technological Integration of the Socialist Countries	324
	2. The Scientific and Technological Cooperation between the Socialist Countries and the Developed Capitalist Countries	333
	3. The Scientific and Technological Cooperation of the Socialist Countries and the Developing Countries	339
Chapter VIII	THE SCIENTIST IN SOCIALIST SOCIETY	351
	1. The Relationship between the Social and Individual Factors in Creative Scientific Activity	351
	2. The Motivation of the Activity of Scientists	361
	3. The Scientist and the Scientific Collective	373
Chapter IX	SCIENCE AND MAN	383
	1. Science, Culture and the Problems of Personality Development	383
	2. Socialist Humanism and the Scientist's Responsibility to Society: Socio-Ethical Aspects	396
Chapter X	THE HISTORICAL SIGNIFICANCE OF THE DEVELOPMENT OF SCIENCE UNDER SOCIALISM	409
Bibliography	427