

中国科普报告

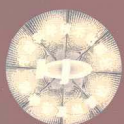
SCIENCE POPULARIZATION REPORT OF CHINA

2008



中国科普研究所

CHINA RESEARCH INSTITUTE
FOR SCIENCE POPULARIZATION



科学普及出版社
POPULAR SCIENCE PRESS

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前言

2008 中国科普报告

《2008 中国科普报告》是中国科普研究所组织研究编撰的第 7 部科普报告。今年正值中国科协成立五十周年,中国科普报告课题组谨以《2008 中国科普报告》的出版致贺。

从 2001 年启动研究编撰中国第一部科普报告《2002 中国科普报告》以来,本课题组对中国科普状况开展了全面的研究和持续的跟踪,通过中国科普报告记录每年度主要的科普事件和各领域科普发展的状况,并尽可能地做一些定性和定量的分析比较。

回顾 8 年来中国科普的历程,我们深感振奋。在这 8 年中,中国科普事业处于国家经济、科技和社会快速发展的时期。经济发展为科普事业的发展打下良好的基础,科技进步成为科普不竭的源泉,而我国社会的全面发展则为科普事业带来重要的发展机遇。同时,中国科普与国际科技传播的潮流日益融合,中国科普取得的成就和经验在世界科技传播领域影响逐渐扩大,真可谓“盛世科普兴”!

8 年来,中国科普的社会环境得到了极大的改善,《中华人民共和国科学技术普及法》的颁布与《中华人民共和国科学技术进步法》的修订,有力地保障了中国科普事业的发展。《国家中长期科技发展规划》和《全民科学素质行动计划纲要(2006~2010~2020 年)》的制定,为中国科普事业明确了近期和中期目标,勾画出清晰的发展蓝图。在这样的环境中,中国科普事业的发展进入了历史上最好的时期,科普工作在社会化、经常化、制度化、规范化等方面都实现了明显的进步,科普事业呈现出持续、稳定发展的态势。科普事业的稳定发展必将对中华民族科学素质的提高和国家的富强作出更大的贡献。

本年度的中国科普呈现出新的特点,国家科普能力建设被摆到国家科技发展和公共科技服务的重要位置。政府部门出台了一系列科普政策,科普资源的建设、科普创作的繁荣和科普队伍的建设等,受到前所未有的重视。这意味着国家的科普服务公共设施将更加完善,意味着中国的普通公众将得到更方便和优质的科普服务。

中国科普报告课题组经过 8 年的探索实现了“定位明确、框架固定、合作平台形成”,初步实现了反映国家科普状况的功能。但面对科普蓬勃发展的态势和人民群众日益增长的科技文化需求的新形势,面对不断丰富和创新的科普内容和形式,科普报告的框架、内容以及研究方法需要有所改进和创新。课题组全体成员以全面准确地记

载中国科普发展的历程并向社会公众报告为己任,将继续精诚合作和努力。

《中国科普报告》的编撰出版得到中国科协书记处的长期支持与关怀,科技部、教育部、人力资源和社会保障部、农业部、全国总工会、共青团中央、全国妇联、中国科学院、国家自然科学基金委、科技新闻机构、开展科普研究的大学和研究机构等 20 多家单位的参与,以及中国科协各有关部门和有关全国学会、协会、研究会,以及各省、自治区、直辖市科协和中国科协直属事业单位的配合。本报告的顺利出版得到科学普及出版社的帮助。本人作为课题组长在此代表总课题组真挚地感谢有关领导、单位、学者和所有参与课题研究和报告撰写的人员,并对给予课题组具体指导的中国科协书记处书记齐让和程东红,全国政协教科文卫体委员会副主任、原中国科协副主席徐善衍致以崇高的敬意,对 8 年来始终给予课题组热诚帮助的王可、崔建平、王慧梅、任林、王渝生、杨文志、张小林等同志致以最衷心的感谢!

雷绮虹

2008 年 10 月 9 日



PREFACE

2008 Science Popularization Report of China

Science Popularization Report of China 2008 is the seventh report on science popularization of China compiled and produced by China Research Institute for Science Popularization. On the occasion of the fiftieth anniversary of China Association for Science and Technology (CAST), the compilation panel presents its congratulations with the publication of *Science Popularization Report of China 2008*.

Since the publication of *Science Popularization Report of China 2002*, the compilation panel has continually engaged in general investigation and research on the current science popularization in China. Annual science popularization events and science popularization development of the different fields are recorded in the report, and necessary qualitative as well as quantitative analysis and comparison are practiced.

The eight-year growth of science popularization in China deeply inspires every one of us. With the rapid development of economy, science and technology, and society in the past eight years, science popularization in our country gains better basis, resource and opportunity. At the same time, with the increasing exchange and interaction between science popularization of China and international science communication, the achievements and experience of science popularization in China began to exert influence in the international science communication field. To sum up in a word, prosperity in China brings science popularization boom!

The social environment of science popularization in China has greatly improved in the last eight years, the issuance of *the Law of the People's Republic of China on Science and Technology Progress* and *the Law of the People's Republic of China on Popularization of Science and Technology* effectively guarantees the development of science popularization. The constitution of the *Outline of the National Program for Long and Medium Term Scientific and Technological Development* and *the Outline of the National Scheme for Scientific Literacy* sets the recent and medium term goals and draws a clear blueprint of science popularization in China. Under such circumstances, the development of science popularization in China has stepped into its

best period, and made obvious progress in socialization, regularization, institutionalization and standardization, which shows a continuous and stable development trend of science popularization enterprise of the country. And the trend will surely contribute to the prosperity of the country and the enhancement of all citizens' scientific literacy.

Science popularization of our country presented new features in the last year. The construction of national science popularization capacity has been treated with significance on the agenda of national science and technology development and public science and technology service. Government departments promulgated a series of science popularization policies, and the construction of science popularization resources, the prosperity of science popularization writing and the building of science popularization human resources have been emphasized. This means that public service infrastructure of science popularization in China will be greatly improved and the public will enjoy more convenient and good quality science popularization service.

After eight years' study of the compilation panel, *Science Popularization Report of China* takes its shape of "clear orientation, stable framework and cooperative platform", which primarily secures its function of reflecting the status of science popularization in China. But facing the flourishing development of science popularization, the increasing demand of the public for science, technology and culture, and the enriched innovative contents and forms of science popularization, the report series needs improvement and innovation in its framework, contents and studies. Members of the compilation panel will take their responsibility to make accurate record of the history of science popularization development in China and will continue to cooperate earnestly and sincerely.

The compilation and publication of *Science Popularization Report of China* receives long-lasting concern and support from the Secretariat of CAST, involving more than 20 participatory organizations as the Ministry of Science and Technology, the Ministry of Education, the Ministry of Labor and Social Security, the Ministry of Agriculture, All China Federation of Trade Unions, Chinese Communist Youth League, All China Women's Federation, Chinese Academy of Sciences, the National Natural Science Foundation of China, science and technology news agencies as well as universities and research institutions that are doing science popularization studies, and it

also testifies the cooperation with organizations directly affiliated to CAST and the provincial associations of science and technology. The successful publication of this report is also indebted to the Popular Science Press for its assistance. We are here extend our sincere thanks to relevant leaders, units, scholars and workers. We would like to express our sincere respect to Secretary Qi Rang and Secretary Cheng Donghong of the Secretariat of CAST, and Xu Shanyan, Vice Chairman of the Subcommittee of Education, Science, Culture, Health and Sports of national Committee of CPPCC and Executive Vice Chairman of CAST, who offered us concrete guidance, and we also gratefully acknowledge Wang Ke, Cui Jianping, Wang Huimei, Ren Lin, Wang Yusheng, Yang Wenzhi and Zhang Xiaolin for their long-term help.

Lei Qihong

9th October, 2008



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目 录

前言	1
综述 加强国家科普能力建设,推动科普事业发展	1
第一章 重大科普事件	15
新修订的《中华人民共和国科学技术进步法》关注我国科普事业的发展	17
“科普惠农兴村计划”写入中央 1 号文件	21
八部门发布《关于加强国家科普能力建设的若干意见》	26
“节能减排科普行动”成为“节能减排全民行动”的重要组成部分	30
第二章 重要科普活动	35
全国科技周:携手建设创新型国家	37
全国科普日:节约能源资源,保护生态环境,保障安全健康	39
中国科学院“公众科学日”:科技促进创新型国家建设	41
全国职业技能竞赛系列活动	43
中国青工技能月	45
第二届全国职工优秀技术创新成果评选活动	47
青少年科学调查体验活动:节水在我身边	49
振兴老区,服务三农,科技列车大别山行	51
“嫦娥”探月引发太空科普热	53
第三章 面向重点人群的科普	55
面向未成年人的科普	57
面向农民的科普	68
面向城镇劳动人口的科普	78
面向领导干部和公务员的科普	84
第四章 科普能力建设	91
科普政策	93
科普经费	107
科普专项资助	116
科普人员	127
大众传媒	
科普图书	138
科普期刊	149
报纸科普	157

影视科普	165
网络科普	180
基础设施	
自然科学类博物馆	218
科普画廊	224
第五章 科普研究	229
提高民族地区群众科学素质的对策研究	231
中国农村基层科普组织现状及建设研究报告	241
中国科学技术馆理念研究报告	258
全国科普教育基地调研报告	274
附录一 全国学会、地方科协记事	287
部分全国学会科普记事	289
地方科协科普记事	300
附录二 科普政策及重要文件(见光盘)	
国务院办公厅 国务院办公厅关于印发兴边富民行动“十一五”规划的通知	
全民科学素质工作领导小组办公室	
关于转发《未成年人科学素质行动实施方案》的通知	
全民科学素质工作领导小组办公室	
关于印发《全民科学素质行动 2007 年工作要点》的通知	
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关于转发全民科学素质工作领导小组第二次会议纪要的通知	
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关于转发《科学教育与培训基础工程实施方案》的通知	
全民科学素质工作领导小组办公室	
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全民科学素质工作领导小组办公室	
关于转发 2007 年农民科学素质行动重点工作的通知	
全民科学素质工作领导小组办公室	
关于转发《关于实施“五个一”行动提升城镇劳动人口安全素质的通知》的通知	
全民科学素质工作领导小组办公室	
关于转发《农民科学素质教育大纲》的通知	
中央组织部 教育部 科技部 人事部 中国科协	
关于动员和组织广大科技工作者为建设创新型国家作出新贡献的若干意见	

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体验活动”的通知

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(2007)》的通知

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关于命名第二批“全国消防科普教育基地”的决定

中国科协 关于印发《全国科普示范县(市、区)标准(2007 年修订)》和测评指标
的通知

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中国科协科普部 关于印发《全国科普示范县(市、区)及创建单位“一站、一栏、一员”建设
示范项目的通知

Contents

Preface	1
Summary Strengthening the Construction of National Science Popularization Capacity, Promoting the Development of Science Popularization Enterprise	1
Chapter 1 Highlights of Science Popularization Events	15
The Newly-Revised <i>Law of the People's Republic of China on Science and Technology Progress</i> Emphasizes Science Popularization	17
“The Program for Benefiting Farmers and Revitalizing Countryside by Means of Science Popularization” is Written in No. 1 Document of the Central Committee of CPC	21
Eight State Departments Jointly Promulgate <i>Opinions on Strengthening the Construction of National Science Popularization Capacity</i>	26
“Energy-Saving and Emission Reduction Science Popularization Activity” Becomes an Important Part of “National Energy-Saving and Emission Reduction Activity”	30
Chapter 2 Major Science Popularization Engagements	35
National Science Week: Cooperating to Build an Innovation-Oriented Country	37
National Science Popularization Day: Saving Resources, Protecting the Environment and Safeguarding Health	39
Science Day of Chinese Academy of Sciences: Science and Technology Contribute to the Building of an Innovation-Oriented Country	41
National Skill Competition Series	43
Skill Month for Chinese Young Workers	45
The 2nd Chinese Workers’ Innovation Award	47
Experiencing Activities of Science Survey for Youth: Water-Saving around Us	49
Prospering Old Revolutionary Areas, Serving “Agriculture, Countryside and Peasants”, Science and Technology Trains’ Trip to Dabieshan	51
“Chang’e-1” Lunar Exploration Increases Science Popularization about Outer Space	53

Chapter 3 Science Popularization for Key Groups of Citizens	55
Science Popularization for Minors	57
Science Popularization for Farmers	68
Science Popularization for Urban Workforce	78
Science Popularization for Leading Cadres and Public Servants	84
Chapter 4 Science Popularization Capacity Building	92
Science Popularization Policies	93
Science Popularization Funds	107
Grants for Science Popularization Programs	116
Science Popularization Human Resources	127
Mass Media	
Science Popularization Books	138
Science Popularization Journals	149
Science Popularization Newspapers	157
Science Popularization on Television and in the Films	165
Science Popularization Online	180
Basic Infrastructure	
Natural Science Museums	218
Science Popularization Galleries	224
Chapter 5 Science Popularization Research	229
Research on Measures in Promoting Civil Scientific Literacy of the	
Minority Regions	231
Report on Status and Construction of Rural Science Popularization	
Organizations on Grass-Roots Level	241
Report on Concept for China Science and Technology Museum	258
Research Report on National Science Popularization Education Bases	274
Appendix I Records on Science Popularization Events with Local Associations	
for Science and Technology and Some National Societies	287
Science and Technology Events with Some National Societies	289
Science and Technology Events with Local Associations for Science and	
Technology	300
Appendix II Science Popularization Policies and Major Documents (in CD)	
<i>Notice of General Office of the State Council of PRC on Printing and Distributing the Outline of “the Eleventh Five-Year Plan” of Prospering Outlying Areas and Enriching Farmers.</i> General Office of the State Council of PRC	
<i>Notice on Transmitting “the Implementation Scheme for Minors’ Scientific Literacy”.</i> Office of the Leading Group on Scientific Literacy for All Chinese Citizens	

Notice on Printing and Distributing “2007 Working Points of the National Scheme for Scientific Literacy”. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

Notice on Transmitting the Summary of the 2nd Meeting of the Leading Group on Scientific Literacy for All Chinese Citizens. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

Notice on Transmitting “the Implementation Scheme for the Basic Project of Science Education and Training”. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

Notice on Printing and Distributing “2007 Working Agenda of Office of the Leading Group on Scientific Literacy for All Chinese Citizens on the Working Themes of Saving Resources, Protecting the Environment, and Safeguarding Health”. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

Notice on Transmitting 2007 Focus Work of the Farmers’ Scientific Literacy Action. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

Notice on Transmitting “the Implementation of ‘Five Best One Projects’ to Raise Urban Workforce Safety Literacy”. Office of the Leading Group on Scientific Literacy for All Chinese Citizens

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Opinions on Mobilizing and Organizing Scientific and Technological Workers to Contribute to Building an Innovation-Oriented Country. Department of Organization of Central Committee of CPC, Ministry of Education, Ministry of Science and Technology, Ministry of Personnel, China Association for Science and Technology

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Notice on Carrying Out the Project of “Bring Health Science and Technology into Living Communities”. Ministry of Public Health, Ministry of Science and Technology, China Association for Science and Technology

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