

# 中国著名科研院所

**A Guide to  
Major Sci-Tech  
Institutions of  
China**

1

海 洋 出 版 社  
《中國著名科研院所》叢書編輯委員會



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## A Guide to Major Sci-Tech Institutions of China



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任何國家和民族都有權利用世界科學技術的成就為自己的人民造福……

*Every country or nation has the right to utilize the achievements of the world's science and technology for the benefits of its people ...*

# 中国著名科研院所

宋健

The title of the book in Chinese is written by Mr. Song Jian,  
State Councilor and Chairman of SSTC, P.R.C.

本書書名由中華人民共和國國務委員、國家科委主任宋健題簽

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# 前言

## Preface

大型彩色系列叢書《中國著名科研院所》，在四十三個國務院部委、直屬局及總公司的大力支持下，終於與廣大讀者見面了。這是中國科技界的一件有重要意義的大事。

現代科學技術是人類文明的最重要的組成部分，它是沒有國界的。沒有人能阻止現代文明的擴散和傳播。任何國家和民族都有權利用世界科學技術的成就為自己的人民造福。由於現代科學技術的高度綜合性、技術擴展速度加快、研究成果轉化為商品周期的日益縮短和爭奪國際市場的緊迫性、以及技術的發展日益變化多端，使得當今世界上沒有任何國家可以用獨自的力量來解決所需的一切技術。因此，國際間的科技交流與合作就成為客觀必然，它的驅動力就是各國的利益和實力。在開拓我國一些著名科研院所的國際間科技交流與合作的整個過程中，將這些大院大所的基本實力全面展示於經濟、文化、社會以及外交等一切國際（國內）活動領域，協助大院大所在改革開放大潮中對內對外去交流、去交換、去競爭，以加速其自身的發展，就顯得非常必要。正是在這樣的背景下，我們編輯了《中國著名科研院所》系列叢書。

建國四十多年來，在中國政府和中國人民的艱苦努力下，特別是經過十幾年來改革開放的實踐，中國的科學技術事業取得了舉世矚目的成就。首先，中國已有1000多萬人的科技隊伍，其中專門從事科學研究與應用技術研究的科學家和工程師有近百萬人。並建立了5000多個獨立的科研機構。中國建立的一整套科學技術體系，幾乎覆蓋了全部現代科學和技術領域，她已成為國家大規模經濟建設所必不可少的支撐體系。在這個體系中，絕大多數科研機構都已經成為科學、技術和文化知識的强大輻射源。在過去幾年中，每年取得的重要科技成果都在一萬項以上，其中相當部分已經商品化，然而要促使更多的成果轉化為現實的生產力，還需要做多方面的工作，這裡也包括通過《中國著名科研院所》叢書這樣的媒體來廣為宣傳。

《中國著名科研院所》一書是第一套以圖文并茂的形式較為全面地、系統地向國內外介紹中國科研機構的大型工具書；是我國著名的科學研究和應用開發研究院所及中試基地、科研型企業的集錦；是建國以後，特別是改革開放以來迅速發展的我國科技領域優秀群體的集中展示。其宗旨在於向國內外社會各界，如各國科技界、產業界，各國駐華使（領）館，各國駐華民間機構，聯合國有關組織；中國各類政府機構、駐外機構、中外交流機構；各國情報、諮詢及藏書機構等，展示中國科研領域、科研成果及科技產業界的基本實力，尋求並引導與我國科研院所進行多層次多渠道多方式的交流與合作，以利于引進輸出并舉，促進科研成果轉化為生產力。

該書的編輯體例大致按行業部門、專業科研系統、地方科研院所三大類編輯。該書共收錄了中國科研院所1000余家，其中附有詳細中英文介紹和圖片的有680余家。這些院所的收錄全部是在各行業部門、專業科研系統和地方主管單位推薦、審核下進行的。該書是迄今為止較為翔實地介紹和展示中國科技實力的指南性工具書。

這裡應該詮釋的是“著名”二字的基本含義。鑒于國內外對於科研機構(院所)尚無一種公認的評價體系，更由于本書編輯的基本目的是“宣傳科技”“展示實力”和“促進科技交流”，因此，所謂“著名”沒有特定的統一標準，只要科研院所有一定實力和優勢，有能力參與國內外同行的交流、合作和競爭，就達到了本書的基本要求。

毋庸諱言，本書在收錄、編輯、印刷的全過程中，由于主客觀方面的原因，還有一些不盡人意，甚至是不妥之處。特別是還有許多很有實力和優勢的科研院所，由于種種原因未能收錄進來，直到本書結稿後，還有一些單位來函來人聯系有關事宜。這些不足之處，只好待本書再版續編之日予以補救了。

在本書長達一年多的征訂、編輯、譯審、核准的過程中，得到了科技界以及社會各界衆多領導、同志們的熱情支持，編委會謹代表本書收錄的科研院所向他們表示由衷的感謝。

《中國著名科研院所》叢書編委會

一九九三年十二月

*With the support from 46 ministries, commissions and bureaus directly under the State Council as well as from relevant corporations, the huge, colour book – A Guide to Major Sci-Tech Institutions of China – has come out at last. This is a significant event in this country's sci-tech fields.*

*As the most important component part of the civilization of mankind, modern science and technology have no national boundaries, and nobody can prevent the modern civilization from diffusing and spreading. Every country or nation has the right to utilize the achievements of the world's science and technology for the benefits of its people. It is hard, however, for any single country of the contemporary world to solve by itself all the sci-tech problems it is faced with due to the highly comprehensive nature of modern science and technology, the increasingly faster diffusion of technologies, the ever shorter cycle of scientific results' transforming into commodities, the inherent urgentness of competing for the international markets, and the unceasing changes in the ways of technological development. International sci-tech exchange and*

scientific institutes, it seems essential to lay bare all-sidedly the basic strength of each of these academies or institutes before all of the national and international activity fields, including those of society, culture, economy, trade and foreign affairs, so as to assist them in accelerating their own growth through both their internal and external communications, exchanges and infiltrations along with the tide of the country's reform and opening to the outside world. It is just against such a background that we have compiled the present Guide.

Since the founding of this country 40-odd years ago, especially over the past 15 years of her practice in reform and opening to the outside world, China has achieved universally acknowledged successes in her sci-tech undertakings through the arduous efforts jointly made by the government and the people. A high-quality contingent of about 10 million scientific and technological workers has been brought up, of whom nearly one million are scientists and engineers specialized in scientific research and applied technological research. Besides, more than 5000 independent organizations have been established. The entire set of sci-tech systems in China covers almost all of the fields of modern science and technology, thus constituting a vital foundation indispensable for the country's large-scale economic construction. Most of the organizations have become powerful sources of radiation for spreading science, technology and cultural knowledge. In each of the last few years, at least 10,000 major sci-tech achievements were made, of which a considerable part has been commercialized. In order to have more results of this kind transformed into real productivity, however, a variety of further efforts have to be made, including extensive propagation through such a medium as the present volumes of *A Guide to Major Sci-Tech Institutions of China*.

Serving as the first multi-volume reference book with texts and illustrations introducing the Chinese scientific organizations in a fairly comprehensive and systematic manner, the present Guide collects the major academies and institutes engaged in scientific research and applied developmental research, in addition to a variety of intermediate-test/development bases and research-oriented enterprises, while showing the outstanding ones in the rapidly developing sci-tech fields since the founding of the country, particularly since the beginning of reform and opening to the outside world. It aims at showing various circles both at home and abroad (including those foreign ones of science and technology, industries, their diplomatic and consular missions as well as nongovernmental organizations in China, all the relevant UN organizations, various foreign intelligent and consultant agencies and libraries, various Chinese governments, Chinese missions and other organizations in foreign countries, and domestic organizations engaged in Sino-foreign exchanges) the Chinese sci-tech fields and the achievements therefrom, as well as the basic strength of the sci-tech industries in China, for the purposes of seeking and guiding the exchanges and cooperations with the above-mentioned academies and institutes at multiple levels, through various channels, and in different forms, so as to facilitate the simultaneous development of sci-tech introducing and export, and promote the transformation of sci-tech achievements into real productivity.

cooperation have thus become indispensable, and the motive force thereof lies in their own interests and strength of the individual countries. Therefore, in the whole process of developing the international sci-tech exchange and cooperation of some of the major

The present book consists of three categories of organizations: those subordinate to professional departments, those of the specialized sci-tech systems, and those under the local governments. A total of over 1000 Chinese academies and research institutes are included, of which more than 680 are dealt with detailed texts (both in Chinese and English) and photographs. Since all the manuscripts of the book have been recommended and approved by the authorities of relevant departments, specialized sci-tech systems and local organizations, it may be rated as a full and accurate reference book introducing and exhibiting the present strength of China in science and technology.

What deserves explanation is the basic meaning of the word "Major". Since there exists no generally accepted system for the assessment of sci-tech institutions either at home or abroad and, particularly, since the basic purposes of the Guide are "propagating science and technology," "showing the actual strength thereof," and "promoting sci-tech exchanges," the wording of "major" as used to define those institutions collected in the present book is, in fact, not endowed with any unified standard. So long as an institute possesses a certain degree of strength of superiority so that it is capable of participating the exchange, cooperation or competition with its counterparts both at home and abroad, it does have come up to the basic requirements for getting itself included in the Guide.

It has to be acknowledged that, due to some causes, both subjective and objective, there must be something unsatisfactory or inappropriate in terms of compilation, editing and printing of the book. It is particularly a pity that quite a number of sci-tech institutions are not included in the book although they are likewise powerful and have considerable superiority. From time to time, the Editorial Office still received letters or visitors asking for additional inclusion even after the winding-up of manuscripts collection. All these shortcomings have to be remedied in the future editions or continued volumes of the book.

The Editorial Committee members of the Guide would like, on behalf of all the institutions listed herein, to express their heartfelt gratitude to the multitudinous leaders and colleagues in both the sci-tech fields and social circles, who have offered their enthusiastic support to the compilation, edition, English text examination and revision, and final approval of the book over the past year.

The Editorial Committee of  
A Guide to Major Sci-Tech Institutions of China  
December 1993

# 總目次

- 
- 第一卷:
- 1 ■ 中国科学院
  - 2 ■ 中国高等院校及所属研究所
  - 3 ■ 农业部、林业部
  - 4 ■ 卫生部、国家医药管理局、国家中医药管理局
  - 5 ■ 中国气象局、国家海洋局、国家地震局、国家技术监督局、  
国家测绘局、国家环境保护局
  - 6 ■ 公安部、国家体育运动委员会
  - 7 ■ 国内贸易部
- 

- 第二卷:
- 8 ■ 地質礦產部
  - 9 ■ 冶金工業部、中國有色金屬工業總公司
  - 10 ■ 煤炭工業部、水利部、電力工業部
  - 11 ■ 中國核工業總公司、中國石油天然氣總公司、中國海洋石油總公司
  - 12 ■ 鐵道部、交通部
  - 13 ■ 中國航空工業總公司、中國航天工業總公司
  - 14 ■ 中國船舶工業總公司
  - 15 ■ 電子工業部、郵電部、廣播電影電視部
  - 16 ■ 機械工業部、中國北方工業(集團)總公司、中國汽車工業總公司
  - 17 ■ 建設部、國家建築工程總公司、國家建築材料工業局
  - 18 ■ 化學工業部、中國石油化工總公司
  - 19 ■ 中國紡織總會、中國輕工總會、中國包裝總公司、中國烟草總公司
- 

- 第三卷: (地方科研院所)
- 20 ■ 農、林、牧、漁
  - 21 ■ 醫藥、衛生
  - 22 ■ 化工、輕工
  - 23 ■ 機械、電子
  - 24 ■ 能源、環境保護
  - 25 ■ 建築、建材
  - 26 ■ 計量、測試
  - 27 ■ 冶金
  - 28 ■ 其它
-



# GENERAL CONTENTS

- 
- Vol. I :**
- 1** ■ Academia Sinica
  - 2** ■ Chinese Colleges, Universities and their Subsidiary Institutions of Scientific Research
  - 3** ■ Ministry of Agriculture • Ministry of Forestry
  - 4** ■ Ministry of Public Health • State Pharmaceutical Administration of China (SPAC) • State Administration of Traditional Chinese Medicine
  - 5** ■ China Meteorological Administration • State Oceanic Administration • State Seismological Bureau • State Bureau of Technical Supervision of China • National Bureau of Surveying & Mapping (NBSM) • National Environmental Protection Agency
  - 6** ■ Ministry of Public Security • Commission for Physical Culture and Sports of the People's Republic of China
  - 7** ■ Ministry of Domestic Trade
- 

- Vol. II :**
- 8** ■ Ministry of Geology and Mineral Resources
  - 9** ■ Ministry of Metallurgical Industry • China National Nonferrous Metals Industry Corporation (CNNC)
  - 10** ■ Ministry of Coal Industry • Ministry of Water Resources • Ministry of Electric Power
  - 11** ■ China National Nuclear Corporation • China National Petroleum Corporation • China National Offshore Oil Corporation
  - 12** ■ Ministry of Railways • Ministry of Communications
  - 13** ■ Aviation Industries of China • China Aerospace Corporation (CASC)
  - 14** ■ China State Shipbuilding Corporation
  - 15** ■ Ministry of Electronics Industry • Ministry of Posts and Telecommunications • Ministry of Radio, Film and Television
  - 16** ■ Ministry of Machinery Industry • China North Industries Group • China National Automotive Industry Corporation
  - 17** ■ Ministry of Construction • China State Construction Engineering Corporation • State Administration of Building Materials Industry
  - 18** ■ Ministry of Chemical Industry • China Petro-Chemical Corporation
  - 19** ■ China National Textile Council • China National Council of Light Industry • China National Packaging Corporation • China National Tobacco Corporation
- 

**Vol. III: (Local Institutions)**

- 20** ■ Agriculture, Forestry, Animal Husbandry and Fishery
  - 21** ■ Medicine & Health
  - 22** ■ Chemical Industry & Light Industry
  - 23** ■ Machinery & Electronics
  - 24** ■ Energy and Environmental Protection
  - 25** ■ Construction & Building Material
  - 26** ■ Measurement & Test
  - 27** ■ Metallurgy
  - 28** ■ Others
-

# 目 录

(第一卷)

<b>1</b>	中国科学院	(1)
<b>2</b>	中国高等院校及所属研究所	(87)
<b>3</b>	农业部	(235)
	林业部	
<b>4</b>	卫生部	(283)
	国家医药管理局	
	国家中医药管理局	
<b>5</b>	中国气象局	(315)
	国家海洋局	
	国家地震局	
	国家技术监督局	
	国家测绘局	
	国家环境保护局	
<b>6</b>	公安部	(353)
	国家体育运动委员会	
<b>7</b>	国内贸易部	(371)

# Contents

Vol. I

<b>1 ■</b>	Academia Sinica .....	(1)
<b>2 ■</b>	Chinese Colleges, Universities and their Subsidiary Institutions of Scientific Research .....	(87)
<b>3 ■</b>	Ministry of Agriculture .....	(235)
	Ministry of Forestry .....	
<b>4 ■</b>	Ministry of Public Health .....	(283)
	State Pharmaceutical Administration of China (SPAC) .....	
	State Administration of Traditional Chinese Medicine .....	
<b>5 ■</b>	China Meteorological Administration .....	(315)
	State Oceanic Administration .....	
	State Seismological Bureau .....	
	State Bureau of Technical Supervision of China .....	
	National Bureau of Surveying & Mapping (NBSM) .....	
	National Environmental Protection Agency .....	
<b>6 ■</b>	Ministry of Public Security .....	(353)
	Commission for Physical Culture and Sports of the People's Republic of China .....	
<b>7 ■</b>	Ministry of Domestic Trade .....	(371)