



中岳 嵩山 世界地质公园

ZHONG YUE SONG SHAN
SHI JIE DI ZHI
GONG YUAN

编著 弋群立
摄影 赵洪山

地质出版社

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ZHONGYUE
SONGSHAN MOUNTAIN
WORLD GEOPARK

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地质出版社

· 北京 ·

图书在版编目 (CIP) 数据

中岳嵩山世界地质公园 / 弋群立编著. —北京: 地质出版社, 2007.2

ISBN 978-7-116-05226-0

I. 中… II. 弋… III. 地质—国家公园—简介—登封市
IV. S759.93

中国版本图书馆 CIP 数据核字 (2007) 第 019026 号

ZHONG YUE SONG SHAN SHI JIE DI ZHI GONG YUAN

责任编辑: 何 蔓

责任校对: 刘艳华 田建茹

出版发行: 地质出版社

社址邮编: 北京海淀区学院路 31 号, 100083

电 话: (010) 82324508 (邮购部); (010) 82324580 (编辑部)

网 址: <http://www.gph.com.cn>

电子邮箱: zbs@gph.com.cn

传 真: (010) 82310759

印 刷: 郑州新海岸电脑彩色制印有限公司

开 本: 787mm × 1092mm ¹/₁₂

印 张: 11

字 数: 200 千字

印 数: 1—1500 册

版 次: 2007 年 2 月北京第 1 版 · 第 1 次印刷

定 价: 268.00 元

书 号: ISBN 978-7-116-05226-0

(如对本书有建议或意见, 敬请致电本社; 如本书有印装问题, 本社负责调换)



弋群立简介

1977年7月至1995年5月，登封市电业局工作，先后任会计、所长、营业室主任等职；1990年8月至1994年8月，河南省委党校经济管理系本科毕业；1995年5月至1996年1月，登封市白坪乡副乡长；1996年1月至2002年3月，先后任登封市颍阳镇镇长，党委书记、人大主席；1998年10月至2001年，就读于河南大学法学院经济法系，取得研究生毕业证书；2002年3月任登封市国土资源局局长。

先后获得国家土地管理工作先进个人、全国农普工先进个人，河南省劳动模范、河南省优秀共产党员、河南省国土资源执法先进工作者等十几项殊荣和郑州市“双十佳”先进个人、登封市“十佳人民公仆”等多项称号。2006年被推选为河南省第八次党代会、郑州市第九次党代会代表。在《党的生活》、《河南日报》等报刊撰写理论文章十余篇。



赵洪山简介

1955年10月1日生，毕业于河南大学中文系，历任濮阳市文化局文化科副科长，濮阳市建设委员会办公室主任，河南省测绘局办公室主任、局调研员。

中国摄影家协会会员，高级摄影师，获河南省摄影30年特别贡献奖。在中国摄影出版社、地质出版社出版多部摄影作品，并在中国·河南省摄影大赛中获得奖项，中国测绘全国摄影大赛中获一等奖。《走进嵩山》于2005年在桂林国际摄影展中参加个展。



序

近日，登封市国土资源局局长弋群立约我为《中岳嵩山世界地质公园》图册写序。由于我多次到过登封，登嵩山，看少林，对嵩山有着特殊的感情，当我看了他送来的彩稿后，便欣然应诺。

嵩山申报世界地质公园的申办材料长达200多页，尽述了嵩山的形成过程和典型的地质构造。在我陪同联合国教科文组织地质专家伊德博士考察嵩山时，伊德博士对嵩山的地质构造给予了充分肯定，并力推嵩山为中国第一批世界地质公园的候选地；登封市市委、市政府对申报世界地质公园也高度重视，尤其是登封市国土资源局干部职工那股心系国土、情系地质的热情深深地打动了我们的心。正像弋群立在后记中所说的，嵩山地质举世无双、入选世界地质公园当之无愧。但我觉着，登封市人民坚韧不拔、千锤百炼、勇于开拓、敢于拼搏、高度敬业的精神也应当名留青史。

翻阅画稿，不禁使我眼前一亮，昔日虽几上嵩山，但碍于工作匆忙，倒没有在意嵩山之美。画稿中的幅幅图片，虽不及黄山云海、九寨风情、泰山日出、桂林山水，但嵩山经过了35亿年的地质构造运动，风雨剥蚀、沧海涤荡、铸造出的山体却挺拔峻峭、怪石嶙峋、奇山异峰、流泉飞瀑、崖壁小径、险路

幽谷、雄险奇秀美不胜收。特别是太室山、少室山、卢崖瀑布景区内出露的典型地质构造，再配上画龙点睛似的介绍，使阅者感到这本画册既有观赏性，又有知识性。尤其画册所表现的嵩山景点就像演绎着一个又一个古老而又神秘的故事。给我的感觉是嵩山不仅有闻名中外的少林功夫，且具阳刚之气的嵩山地质构造恰恰体现了功夫出少林、少林藏嵩山的博大精深。少林功夫的铮铮铁骨正是嵩山阳刚雄浑的佐证。

掩卷细思，远古的地质运动给人类带来的远古地质文化得以重现光彩。从此，登封这个文明遐迩的城市兼具了历史人文文化和地质文化的双赢局面，这一切都应归功于登封人民的聪明和才智。

国土资源部地质环境司司长

姜建军



Preface

Recently, Yi Qunli, the Director of the Bureau of Dengfeng Land and Resources Bureau, gave me a colored compilatory manuscript of Songshan Picture Album, and asked me to write a preface for it. I have been to Dengfeng many times where I climbed Songshan Mountain and visited Shaolin Monastery. So I have special affection for Songshan and agreed with pleasure to write it when I received the Album.

The global geopark application materials of Songshan have more than 200 pages. The pictures and words are a magnificent piece of writing in which the forming process and typical geological structures of Songshan are stated exhaustively. While I accompanied Dr. Eder, the geological specialist of UNESCO (United Nations Educational, Scientific and Cultural Organization), to investigate Songshan, at that time we were sure for the application and did our best to recommend Songshan into the candidate list of the first batch of global geopark. Especially Dengfeng municipal government has paid more attention to this work, and we were deeply moved by the enthusiasm of the cadres and staff of the Dengfeng Land and Resources Bureau. Just like Yi Qunli said in the postscript, the geology of Songshan is matchless and worthy of a global geopark. But I felt that the Dengfeng people are indomitable and thoroughly tempered. They dare to challenge, and love profoundly their glorious cause, so their spirits should also be noted down in the annals of history.

Looking over the Picture Album, my eyes were immediately bright. Although I climbed Songshan several times in former days, due to busy work, I didn't take careful notice of beautiful Songshan. Every photograph in the Picture Album, although is not as good as the cloud sea of Huangshan mountain and amorous feelings of Jiuzhai Valley, or as moving as the sunrise of Mount Taishan

as well as mountains and rivers of Guilin, Songshan had experienced global tectonic movement during past 3.6 billion years, the wind and rain denudation and blue sea cleanse cast such a wonderful mountain, which is tall and straight of delicate beauty, and has jagged rocks of grotesque shapes with strange hills and peaks, where the flowing springs and waterfalls and narrow path in precipice as well as dangerous road on deep and serene steep cliff are real magnificent and marvelous. So many beautiful things that one simply can't take them all in. Especially the typical geological structures exposed in the scenery regions of Mounts Taishi and Shaoshi and Luya waterfall, adding a word or two to clinch the point in the Picture Album, make readers feel that the Picture Album is worth viewing and admiring, and also a valuable book. Songshan is not only world-famous for Shaolin Gongfu (martial art), but the firm geological structure exactly reflects that the Gongfu comes from Shaolin and Shaolin hides the wide and elegant mystery of Songshan. The legends of Shaolin Gongfu are exactly the evidences of vigorous Songshan.

Closing the picture scroll and thinking deeply, I considered that the ancient geological culture brought by the ancient geological movement to the human may reappear its luster. From now on, Songshan, the well-known place far and near, has dual prospect of both historical culture and geological culture. All these should attribute to the intelligence and wisdom of Dengfeng people.

Director of Geological Environmental Department of Ministry of Land and Resources.

Jiang Jianjun

目

录

C

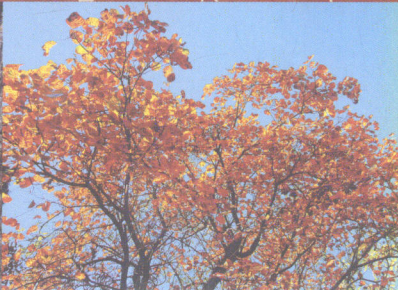
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N

【地质博览】
GEOLOGY LANDSCAPE

P1 ~ P81

N A T U R A L S C E N E R Y



T E N T S

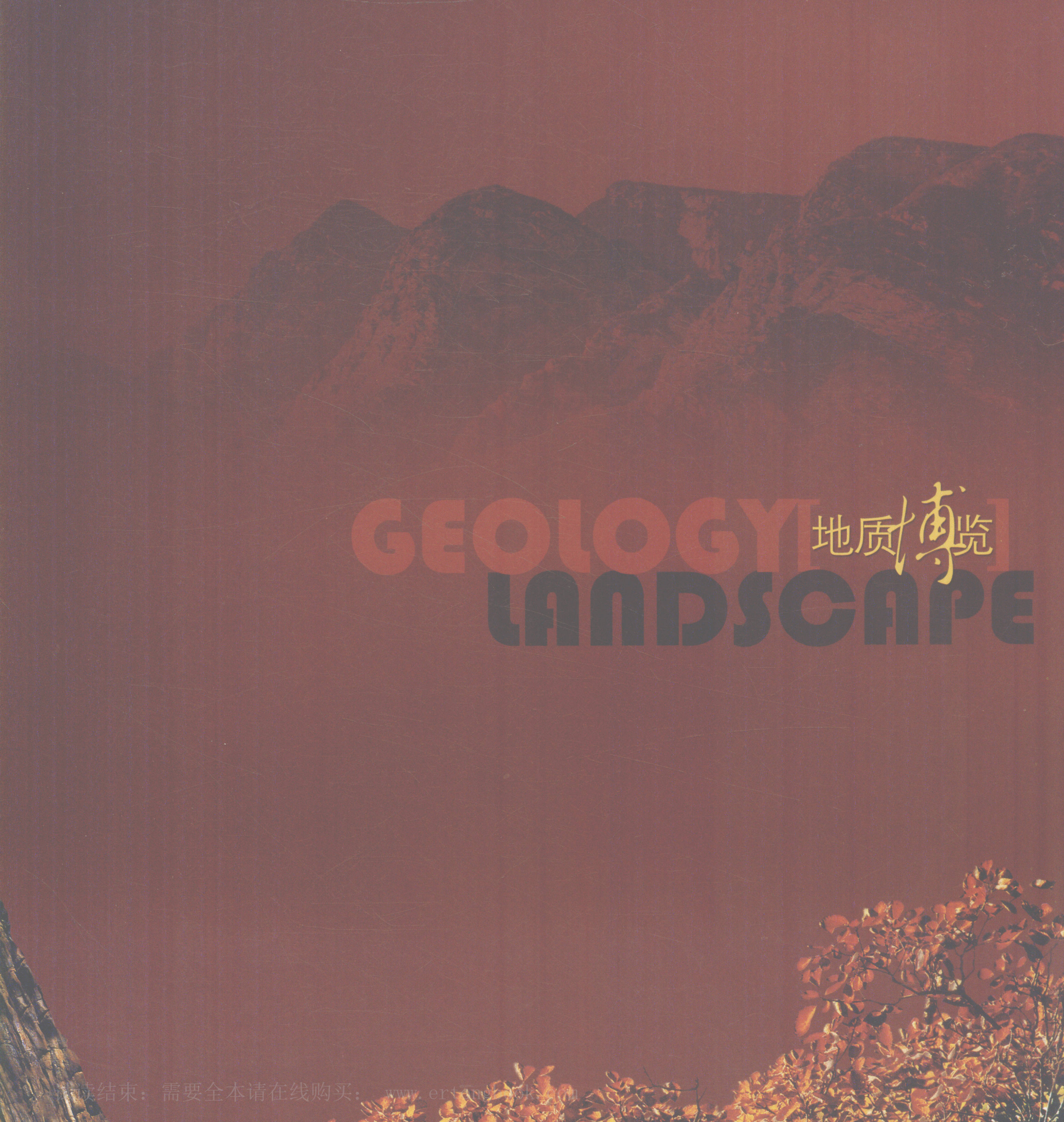
【历史文化】
HISTORY AND CULTURE

P82~P117

H I S T O R Y A N D C U L T U R E







GEOLOGY 地质博览
LANDSCAPE

穿越几十亿载悠悠时空，踏过艰难坎坷的漫漫历程，嵩山终于走向世界。嵩山世界地质公园的揭牌开园，使嵩山为之沸腾！世界为之惊叹！

Several billions of years fly over the whole earth; mountains and rivers have been replaced from each other; constant dropping wears the stone; the paradise of the creatures and plants are deserted. Until now Mt.Songshan begins to approach the human beings. Songshan Geopark is open, so the whole area is full of the boiling celebration, and surprised of the world!





中國·嵩山

China · Songshan World Geopark, China

世界地質公園

中國嵩山世界地質公園

中華人民共和國国土资源部
河南省人民政府
The Ministry of Land and Resources, P.R.C.
Henan Provincial Government of 2009



让历史铭记着这些绝非平凡的日子，让时光凝固在这一个个难忘的瞬间。2001年3月16日，嵩山被确认为我国首批国家地质公园，2003年7月1日，嵩山国家地质公园如期揭牌开园；2003年8月21日，嵩山成为我国首批世界地质公园的候选地，2004年2月13日23时25分，嵩山正式通过联合国教科文组织世界地质公园的评审；2004年6月30日嵩山世界地质公园正式揭牌开园。



Let's remember those wonderful moments in the past years. On March 16, 2001, firstly Songshan geopark was affirmed as the national geopark, and after almost two years' plan and construction; on July first, 2003, the sign stele of the park was shown up, and the park was open as a national geopark; a month later, on August 21, it was picked as the first candidate park under the patronage of UNESCO. At p.m. 23:25, on February 13, 2004, formally Songshan Geopark was listed as the geopark under the patronage of UNESCO by the strict judgement, finally at the same year on June 30, as a world geopark it began to meet the visitors from the domestic and overseas.

巍巍嵩山，雄踞中原，融五岳之灵气，绵延百余公里，如一条巨龙横卧在中原大地上。嵩山丰富完整的地质遗迹，使我们可以穿越漫漫时光隧道，追溯嵩山35亿年的地质演化轨迹。发生在距今25亿年、18.5亿年、5.43亿年的三次剧烈地壳运动，使嵩山一次次浮出海面，又一次次沉入海底，下降、沉积、隆起、剥蚀、褶皱、断裂，来自地球内外的各种应力，共同打造出嵩山独特的地质地貌景观，使嵩山成为举世瞩目的一本“地质百科全书”。



The lofty mountain, called as Zhong Yue, one of five famous mountains in China, is entrenched in China Plain, situated at the centre of the main land. It wanders about several hundreds of kilometres long, just like a huge dragon lying on the ground. On the basis of various geological features here, we can trace the geological evolution of mountain area to present this 3.5 billions of years' history. It is here that three vehemently tectonic movement have taken place since 2.5, 1.85 and 0.54 Ga ago, respectively. Mt. Songshan rises up or sinks into the sea once and again. Its subsidence brings the sedimentary, and its upheaving leads to weathering and erosion, in addition, folds and faults frequently change the shapes of the earth, so the unique geological features and landforms are shaped here by all kinds of forces from the earth. Geologists named this famous place as a geology cyclopedia.

