

泰山蝶蛾志 (上集)

Butterflies & Moths of Mount Tai

山东科学技术出版社



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序

泰山位于我国华北大平原东侧，东经 $117^{\circ}6'$ ，北纬 $36^{\circ}16'$ ，横亘泰安、济南之间，拔起于鲁中群山之中。她山体壮观，气势磅礴，刻石众多，古树参天，资源丰富，风景秀丽，名胜古迹遍布山中，古今中外，颇负盛名。1987年，泰山被联合国科教文组织世界遗产委员会正式列入《世界遗产清单》，从而成为全人类的珍贵遗产，是中外游人向往的游览胜地。

泰山植物资源十分丰富，现已查明有1136种，隶属113科，550属。其中，野生植物814种，栽培植物322种。由于泰山相对高差大，生长着我国南北方广大地区习见树种。随着不同的海拔高度，可划分为阔叶林、针阔叶混交林、针叶林和高山灌木草丛。

泰山历代史志资料繁多，但很少有记载自然资源的史志，仅民国期间有《泰山药物志》一书出版。解放后，由于人民政府注重自然资源的研究保护和开发利用，才陆续出版了《泰山植物检索表》、《泰山森林病虫名录》等。最近即将付梓的《泰山蝶蛾志》，是由泰安市林科所副所长、林业高级工程师卢秀新同志，邀集同行专家，在中国科学院动物研究所研究员刘友樵同志的大力协助下，几年来不辞劳苦，跋山涉水，满怀对泰山森林保护事业的激情撰写的。该书的出版，对丰富泰山自然资源的研究做出了贡献，亦为生产、教学、科研和昆虫爱好者研究泰山的蝶蛾类，提供了科学依据。

泰安市泰山风景名胜区管理委员会主任

李正明

1989年7月25日

前 言

泰山地处古北区与东洋区交界，海拔1545米，面积426平方公里，生物资源十分丰富，已知植物种类达1136种。建国以来，泰山曾发生过多次虫害，其中以松毛虫、油松巢蛾、白头松针巢蛾、松实小卷蛾、侧柏银蛾等尤为严重，造成光枝秃干，形同火焚一般，使一些古树也难逃幸免，甚至死亡。这些害虫大多属鳞翅目昆虫。为确保泰山林木的完好，使其始终保持青山翠岭的美丽景观，维护好祖国和全世界的这一自然文化遗产，我们编著了《泰山蝶蛾志》一书。

泰山的蝶蛾种类繁多，过去知道的很少，短时间全部搞完难度较大，为此计划分三集陆续出版。本书为《泰山蝶蛾志》上集，共收入蝶蛾20科183种。其中，小蛾类13科98种；大蛾类10科55种；蝶类7科30种。为了便于读者识别种类，除每种都有成虫图外，小蛾类还尽量每种增绘雌、雄外生殖器图。

本书由卢秀新、刘士儒编写螟蛾科、斑蛾科和刺蛾科；刘友樵编写蝶蛾简介及除以上三科外的小蛾类；孙渔稼编写大蛾类；牟吉元编写蝶类。

本书编写中承蒙刘静、庞献伟、刘志荣等同志搜集蝶蛾标本，刘友樵、刘静同志制作解剖玻片，李广武同志绘制成虫图，刘友樵同志绘制雌、雄外生殖器图，谨此表示谢忱。

书中讹误、不足之处在所难免，恳请读者批评指正。

编著者

1989年7月27日

Introduction

Mountain Tai is located in between the Palaearctic and Oriental Realm with an altitude of 1545 m, an area of 426 km². It has plenty of biological resources, having a plant variety of 1136 known species. However, since the founding of New China, there have been many insect outbreaks, the worst of which are outbreaks of *Dendrolimus spectabilis*, *Ocnerostoma piniariellum*, *Cedestis gysselinella*, *Petrova cristata* and *Argyresthia sabinae*. The trees were defoliated seriously, leaving only bare branches and trunks, just like those burned by fire, even the ancient trees could not escape the fate, some of which even died. Most of the injurious insects belong to Lepidoptera. For the purpose of keeping the trees there in a perfect condition, maintaining the beauty of the green mountains so as to preserve well the natural heredity for the world as well as our motherland, we compiled the book "Moths and Butterflies in Mount Tai".

There are a lot of species of moths and butterflies in Mount Tai, which were not well-known before. Since it is difficult to compile a book including all of the insect species in a short time, we plan to publish 3 books consecutively. This is the first volume of "Moths and Butterflies in Mount Tai", which includes a collection of 183 species belonging to 30 families. Among these; micro-lepidoptera 13 families, 98 species; macro-lepidoptera 10 families, 55 species and butterflies 7 families, 30 species. To make it convenient for the readers to identify the insects, we provide figures of genitalia of both male and female for each species of micro-lepidoptera as well as the adult figure for all the species.

Finally, we are grateful to show our acknowledgement to Liu Jing, Pang Xian-wei, Liu Zhi-rong etc for their contribution of collecting specimens, to Professor Liu You-qiao and Liu Jing for their contribution of making slides for anatomy, to Li Guang-wu for his contribution of drawing adult figures, to Professor Liu You-qiao for his contribution of drawing figures of genitalia of both male and female.

Since time is short for the preparations of this volume, shortcomings and mistakes are unavoidable, so your suggestions and comments are welcome.

The Authors

4th, June, 1990



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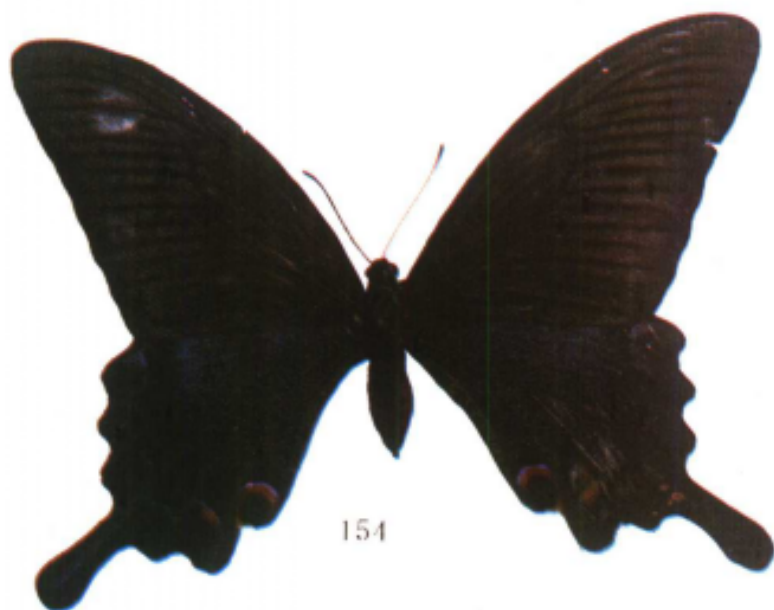
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