



### 特稿

## 青藏高原的奧秘

中國科學工作者經過最近四年的科學考察，初步揭開了青藏高原的奧秘。

雅魯藏布江以北的地區與廣東、湖北以及蘇聯南部，朝鮮南部屬於同一塊地。研究岩性的地質工作者初步揭開了岩質活動變質作用的時空分布規律，進一步研究了某些對開高原地質演變歷史有意義的岩床。在地理學專業考察研究的基礎上，地質構造專業的科學工作者用板塊構造的觀點對高原隆起的原因進行了初步的探討。他們認為，喜馬拉雅山的上升主要原因，是由於印度洋底的擴張，與南亞次大陸板塊逐漸北移，最後和歐亞板塊相撞，並分階段擠壓，穿入亞細亞大陸前緣的緣故。兩個板塊碰撞合線的位置大體上就在雅魯藏布江沿線。參加青藏高原科學考察工作會議的科學工作者，對高原形成的以上觀點進行了認真的討論，有的提出一些不同的看法，展開了熱烈的爭鳴。

▲青藏高原特有珍貴動物

為了研究高原突起後對自然環境和人類活動的影響，科學工作者對西藏的自然地理、氣候、水文、冰川、泥石流、地貌、土壤、植被以及高等植物、藻類、苔蘚(上叢草)、真菌、地衣、鳥類、昆蟲、魚類進行了全面的考察。據初步統計，最近四年科學工作者在那裏採集的高等植物標本就有二萬多號，其多寡，已發現一百多個新種，有的是青藏高原特有的，有的是隨着高原的隆起在進化系列中比較原始的類型。許許多多高原特有的珍貴動物，都是這幾年考察中才第一次採集到的。這些收穫，大大豐富了我國生物資源的寶庫，初步闡明了高原生物區系的組成、演化。

通過四年的考察，科學工作者基本上摸清了西藏高原各自然帶的類型、特徵和分布規律，並在此基礎上對西藏的自然條件作了初步區劃，闡明了每個自然帶不同的特徵，以及綜合開發、利用、改造的方向。

研究冰川和泥石流的科學工作者，重點調查了我國的海洋型冰川的特徵和運動規律，確定了海洋型冰川與大陸型冰川劃分指標和分布界限。

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