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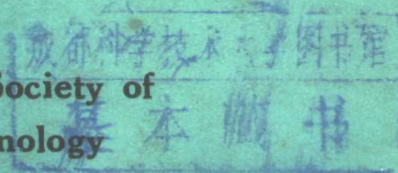
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第二次中国海洋湖沼科学会议论文集

Proceedings of the Second Chinese
Oceanological and Limnological
Science Conference

中国海洋湖沼学会 编辑

Edited by the Chinese Society of
Oceanology and Limnology



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内 容 简 介

本论文集比较集中地反映了近几年我国海洋湖沼科学研究的进展和成就,其中很多论文报道了我国陆架海区的研究成果,还有不少论文述及了河口界面化学、湖泊水文学、高山湖泊的成因等方面的研究,填补了有关学科的空白。

本论文集可供从事海洋湖沼科学科研工作的科技人员以及有关高校师生参考。

第二次中国海洋湖沼科学会议论文集

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前 言

中国海洋湖沼学会第三届会员代表大会暨第二届学术年会，于1979年10月9日至14日在武汉召开，接着又举行了中国海洋湖沼学会的鱼类学会、藻类学会、水文气象学会三个二级学会的成立大会。

这是我国海洋湖沼学界的一次空前盛会，代表人数共达四百多人，还有外国学者七人应邀出席了会议，并作了学术报告和交流座谈。会议收到的学术论文、报告（全文或摘要）共三百八十五篇，内容广泛，涉及海、洋、湖、沼的水文物理、化学、地质、地貌、动物、藻类和仪器设备等各个方面，象征我国海洋湖沼科学研究事业兴旺发达的景象。

在大会上，有七位同志分别作了我国海洋湖沼各分支学科三十年来研究情况的报告，比较系统地综述了建国以来各有关学科的主要工作、进展和成就，引起了与会代表的兴趣。会议还按学科分为水文气象、化学、地质、藻类和动物等组，宣读和讨论了六十五篇论文，其余则在会上散发和交流。这些论文比较集中地反映了粉碎“四人帮”后所取得的科研成果，体现出以下特点：1. 有关我国陆架海区的论文占很大比重，调查研究的海域遍及渤、黄、东、南诸海；关于各个著名湖泊和河口的论文，也有一定数量。研究课题涉及水文动力、热平衡、沉积过程、海岸地貌、海平面变动、水化学等环境因子和生物生态区系及地质、化学、水产资源。理论研究与资源开发有较好地结合。2. 填补了许多学科空白，加强了不少薄弱环节，如河口界面化学、湖泊水文学、高山湖泊的成因和沼泽的研究等等，都有了可喜的开端。3. 基础理论的研究水平有了明显的提高，新技术的应用日益引起重视，如对固氮蓝藻的系统研究，以及藻类亚微结构、藻类植物的进化和化石藻类学的探讨，就是例子。不少论文都有一定的学术水平，提出了颇有创造性的见解。这一切都表明，建国三十年来，在中国共产党领导下，我国海洋湖沼科学事业，从无到有、从小到大，迅速发展的喜人局面；反映了我国海洋湖沼科学工作者团结协作，为社会主义四化建设大业艰苦奋斗的精神。这为争取尽快地使我国的海洋湖沼科学赶上和超过世界先进水平奠定了良好的基础。

为及时交流科研成果，反映这次学术年会的概貌，编辑出版了本论文集。除鱼类学和藻类学方面的论文，已由鱼类学会和藻类学会分别编辑出版专集外，收入本论文集的共有论文全文二十九篇、摘要一百一十四篇，这些论文都由作者所在单位审查、学术年会的分组会推荐，并经作者认真修订。因限于篇幅，还由编辑组进行了必要加工。

本论文集是由尤芳湖同志负责的编辑组编辑的，错误、疏漏之处，请读者批评指正。

在编辑过程中，得到了广大学会会员的有力支持，谨此志谢。

曾 呈 奎

一九八〇年七月

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水 文 物 理 学

建国以来我国海洋水文学的调查研究*

管 秉 贤

(中国科学院海洋研究所)

解放前,海洋水文学在我国几乎是个空白。只是在三十年代,曾在渤海和福建沿海水域进行过一些零星的调查。建国三十年来,在中国共产党的领导下,通过全国广大海洋水文科学工作者的共同努力,这门学科,从无到有,从小到大,由浅及深,无论在为国防和生产实践服务上或在学科理论研究上,都进行了大量的工作,取得了许多显著的成绩。海洋水文学的科研队伍也有了较大的发展。

现就建国以来我国海洋水文学(包括海洋调查、水文和海流等三方面)研究工作的进展以及所取得的主要成果作一概略的回顾。

一、海 洋 调 查

1956年制定的国家科学技术发展远景规划指出,我国海洋科学事业的发展,应结合生产实践;其发展途径,应从综合调查开始;并将“中国海海洋调查以及海洋图集的编绘”列为我国海洋科学的第一个中心课题。后来,周总理又指示,科学发展应在广泛深入实践的基础上,往高处提。三十年来我国海洋水文学的调查研究工作,就是沿着这个方向发展起来的。

建国初期,在开展渔场调查(例如烟威鲈鱼渔场调查、黄河口小黄鱼渔场调查、辽东湾毛虾渔场调查等等)的同时,就进行了海洋水文观测工作,这为以后开展较系统的调查工作作了一些技术上的准备。

1957年是我国海洋科学发展史上的一个新起点。这一年,我国第一艘专用海洋综合调查船——中国科学院的“金星”号,在渤海及北黄海西部开展了我国首次系统的包括海洋物理、化学、生物及地质等方面的海洋综合调查。“渤海及北黄海西部综合调查报告”中的水文学部分,第一次用我国自己调查得到的资料,对上述海区水文要素的分布变化、水系和海流、潮流的概况,勾划出了一个粗线条的轮廓。这一轮廓迄今仍有一定的代表性。这项工作也为以后开展全国性的海洋综合调查,在技术和干部培养等方面打下了基础。

浅海水文要素的周日变化颇为显著。因而,根据单船观测资料绘制分布图时,其代表性是一个值得考虑的问题。为了在以后全国性海洋调查中较好地解决这个问题,在国家科委海洋组的统一组织下,有关单位于1957年7月到1958年6月,先后在渤海及北黄海

* 本文承我所翁学传、甘子钧同志提供有关材料及宝贵意见,我所曾呈奎、毛汉礼教授及山东海洋学院赫崇本教授审阅文稿,笔者向他们致以深切的谢意!

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