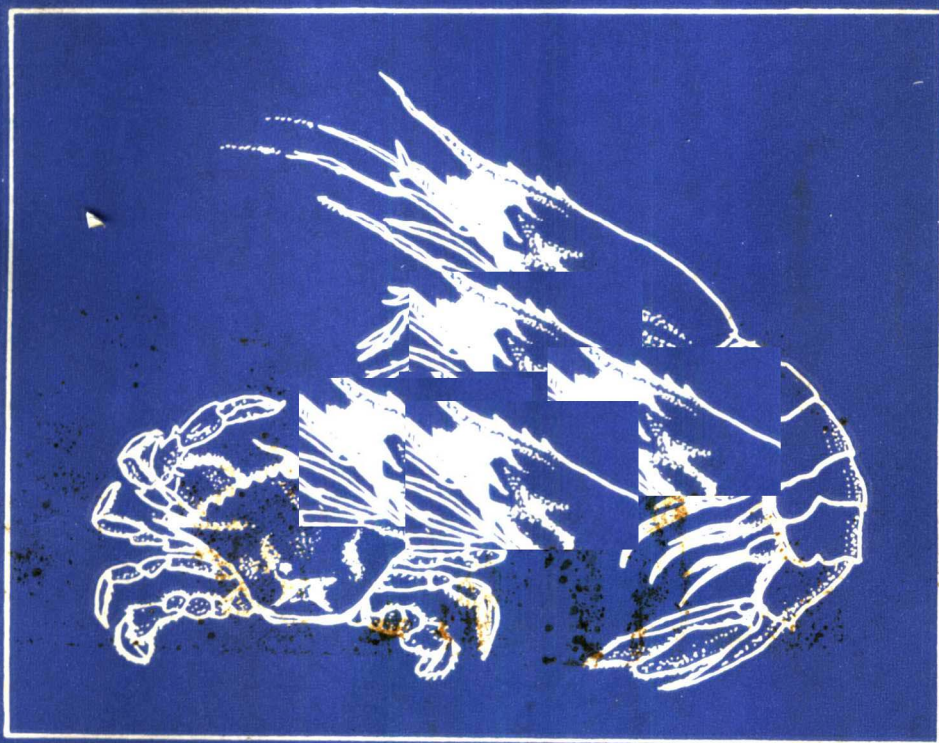


《甲壳动物学论文集》编辑委员会 编辑

甲壳动物学论文集

(中国甲壳动物学会成立大会暨学术讨论会)



科学出版社

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内 容 简 介

本论文集包括中国甲壳动物学会成立大会及学术讨论会上所作特邀专题报告及与会代表的论文,内容涉及甲壳动物的形态、分类、区系、生态、生理、生化、与渔业有关的资源估计、人工育苗和养殖、饵料生物以及古甲壳动物等各方面,在地理范围上,从海洋到内陆水域和陆地,从潮间带近岸浅海到西太平洋热带区和南极水域。其中专题报告及部分论文刊登全文,其余为论文摘要。

本论文集可供有关从事生物及水产的科研人员、大专院校生物系水产系师生、水产单位工作人员、中学生物教师及甲壳动物爱好者参考使用。

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前 言

中国甲壳动物学会于1982年12月13日在杭州成立,并于13日至17日召开了学术讨论会。甲壳动物学会的成立标志着我国甲壳动物学研究已经进入了新的历史阶段。

中华人民共和国建立以来,我国甲壳动物研究,由于社会主义建设的需要而得到迅速发展。甲壳动物,特别是虾类和蟹类,数量大,繁殖生长快,经济价值高,在世界和我国渔业生产中占一定地位。许多小型种又是经济鱼虾类的天然饵料;有些附着、寄生生活的种类危害人类和养殖动物,所以受到重视,使研究工作有了很大的发展;在分类区系、生态、生理、生化和资源估计、预报、人工育苗、养殖和有害生物防除等方面都取得了显著成绩。从事甲壳动物研究的人员正在迅速增多,形成了一支不小的科技队伍。学科的发展有力地支持了国民经济建设、科研和教学工作,促进了有关生产的发展。目前对虾养殖中人工培育的虾苗,已大大超过了全国养虾的需要。养殖生物学和营养生理的研究也使养殖产量提高很快,居世界前列。另外这些工作也引起了人们对甲壳动物学的重视,从各方面向甲壳动物工作者提出了越来越多的问题和要求。在这种形势下,广大甲壳动物学工作者迫切要求成立自己的组织,指导学科和应用研究更加迅速地发展。

应广大会员的要求,特别邀请了一些同志为大会作了专题报告,总结了甲壳动物学各分支领域所取得的成绩,明确了发展方向。大会收到专题报告和论文不少,内容十分丰富,从海洋到内陆水域和陆地,从潮间带、近岸浅海到西太平洋热带区和南极水域,涉及甲壳动物的形态、分类、分布、生态、生理和生物化学,也包括了与渔业有关的资源估计和水产养殖。令人兴奋和喜悦的是我国甲壳动物研究的一些薄弱环节,如生理学和组织化学等领域都有质量不错的论文提出,这表明我国甲壳动物学研究正在蓬勃发展。

为了进一步推动学科发展,进行学术交流,甲壳动物学会第一届理事会确定编辑出版成立大会及学术讨论会的论文集。由于篇幅所限,全文刊登特邀报告和论文19篇,其它论文只刊登摘要(计101篇),有少数论文(计6篇)已经在其它刊物上发表,故仅刊列题目。

本集在出版过程中,得到科学出版社的大力协助,还有郑守仪、路成铭先生帮助核改外文摘要,特此致谢。

由于我们的水平及能力有限,编辑过程中的缺点和错误在所难免,敬请会员和读者提出宝贵意见。

刘瑞玉

1983年5月

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论 文 ARTICLES



我对甲壳动物研究的五十年

郑 重

(厦门大学海洋系)

本文是将我五十年(1933—83)来对于甲壳动物的(主要是小型低等浮游甲壳动物)研究作一回顾,并对今后有关这类动物研究作了展望。这五十年的研究以分类、生态(分布)和个体生物学(生长、生殖)为主要内容,也就是以基础理论研究为主,但也涉及到渔业生产(如研究鱼类的食性和饵料)。兹将研究结果分述如下:

一、过去的研究

(一) 分类研究

这项研究占了我五十年甲壳类研究历史中的重要部分。我先后研究了以下几类浮游甲壳动物: 1. 枝角类: 记载了 20 多种北京清华园附近的淡水枝角类(这是我 1933—34 年在清华大学生物系的毕业论文),和 5 种我国海洋枝角类(这篇论文是我和陈孝麟合写的,文中描述了种的特征、地理分布,并附有种的检索表和详细特征图。本文^[1]为我国海洋枝角类的分类研究奠定了可靠的基础)。2. 桡足类: 描述了 185 种我国近岸海域常见的浮游桡足类的特征、地理分布,并附有种、属检索表和特征图。这是我和张松踪、李松、李少菁等合写的 2 本专著^[2,3],为我国海洋浮游桡足类的分类研究作出了贡献。此外,本人还和李松、李少菁合写了一篇“南海浮游桡足类的新记录”,描述了 11 种,并附有特征图^[4]。3. 磷虾类: 描述了一种厦门港常见的宽额假磷虾^[5](现改名为中华假磷虾)。本文附有该种地理分布、雌雄区别及磷虾类属的检索表。4. 莹虾类: 描述了 3 种厦门港的常见莹虾^[6],附有种的检索表和特征图。此外,本人还和蔡秉及合写了一篇“中国东南沿海莹虾的分类研究”^[7],共描述了 6 种(包括 3 个新纪录),并附有种的检索表、地理分布和特征图。本文为我国莹虾类分类研究打下了很好基础。5. 毛虾类: 描述了一种厦门港常见的日本毛虾。本文^[8]附有雌雄区别、地理分布,以及和其它毛虾的比较。

(二) 分布研究

最近本人和曹文清合写了一篇“我国海洋枝角类的分布”^[9],叙述了我国 5 种海洋枝