

参 考 文 献

- [1] 李培泉、李金岭, 1978. 海洋与湖沼 9(1):43—48。
[2] 国家海洋局, 1979. 海洋污染调查暂行规范, p362。
[3] 水产厅调查研究部, 1955. 昭和29年における

ビキ=海域の放射能影响调查报告(第1集), p1—188。

- [4] Miyake, Y., Sugiura, Y., and K. Kameta, 1978. In "Geochemical Study of the Ocean and the Atmosphere", Edited by Y. Miyake. p420—427.

THE DETERMINATION OF THE GROSS BETA RADIOACTIVITY IN EAST CHINA SEA AND ITS ADJACENT REGION

Li Peiquan, Kang Xinglun, Lu Guangshan, Yuan Yi

(Institute of Oceanology, Academia Sinica)

Abstract

The determination of the gross beta radioactivity in the waters of East China Sea and adjacent region (E 123°00'—129°00', N 26°28'—32°33') was carried out in 1978. The gross beta radio activity varies from 0.32 to 3.44 Pci/L, with a mean activity of 1.73 Pci/L. It shows that there was no new source of contamination entering this area at that time.

The different horizontal distribution of the gross beta radioactivity in surface water may be related to the air deposition and the mass of Break Stream as well as the transfer of isotope by silts and suspension.

The vertical distribution of the gross beta radioactivity shows a tendency of increase from surface to bottom in shallow water area, resulting a higher concentration in mud and sand. But in deep water the situation is different in that it decreases gradually from surface to bottom. This shows that some isotopes can't penetrate into deep water because of stratification of the sea water.



“电连接模拟海洋腐蚀试验装置与方法”成果鉴定会在青岛举行

“电连接模拟海洋腐蚀试验装置与方法”科研成果鉴定会, 于1981年10月22日至24日在青岛举行。有冶金部、六机部、交通部、石油部、中国科学院和高等教育系统的十四个单位的代表参加了会议。中国腐

蚀与防护学会副秘书长潘健武同志主持了这次鉴定工作。中国海洋湖沼学会化学学会理事长纪明侯教授出席了会议。

中国科学院海洋研究所助理研究员侯保荣在会上作了关于“电连接模拟海洋腐蚀试验装置及其方法”的研究报告; 冶金系统有关单位作了该装置及其方法的运用报告。代表们参观了试验装置及其运转情况, 并进行了热烈讨论。与会代表一致认为, 电连接模拟海洋腐蚀试验装置及其方法的理论依据是正确的, 方法简便、数据可信。试验装置设计基本上是合理的、成功的。它既有长尺试验反映海上整体结构物腐蚀行为的特点, 又有节省人力物力、操作简单易行、便于计量等优点。因此, 是一项比较理想的模拟试验方法, 在国内属于首创, 在国际上尚未见到这样的报道。

与会代表还一致建议, 将该方法推广使用, 并希望研制单位进一步完善该试验装置及其方法。

(孙佩锦)