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Radioactivity Exploration

From the Arctic to the Antarctic

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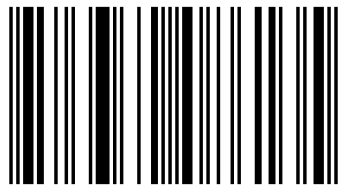
Our first Arctic expedition was "Ymer-80" conducted during 1980 from June 23 to October 6. The aim was to commemorate the discovery of the Northeast Passage by Adolf Erik Nordenskiöld in 1878-1880. Bengt Forkman professor at Lund University, engaged the professor in radioecology Bertil Persson, to arrange an environmental radioactivity research program for the Ymer-80 expedition. He in turn engaged his student Elis Holm who was investigating plutonium isotopes in the environment. For the logistics we found Kjell-Åke Carlsson, mechanical engineer at the department of radiation physics at Lund University. After a successful Ymer-80 expedition we continued the exploration of radioactivity from the Arctic to the Antarctic with the following expeditions arranged by the Swedish Polar Research Program: The expedition "SWEDARP" 1988 -1989, started from Gothenburg with destination Antarctica. In 1991 the Arctic Ocean with the Swedish icebreaker M/S Oden. During 1994 the joint Swedish-Russian "Tundra Ecology-94" with the Russian ice-breaking research vessel R/V Akademik Fedorov as platform went along the Siberian coastline. Finally, in 1996 the Arctic Ocean with the M/S Oden.

Bertil RR Persson
Elis Holm

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Bertil Persson, born Oct. 12, 1938 in Malmö, Sweden Doctor of Philosophy at University of Lund, Sweden (1970), Full Professor in Medical Radiation Physics at University of Lund (1980-2005), Radioecological studies of the fall-out from nuclear weapons and exploring polonium-210, technetium-99 and trans-uranium elements in the Arctic environmen



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