

CAPTAIN J.W. Coste, Jr.



GLACIER was deployed on Operation Deepfreeze '82 during the period from 17 October 1982 to 21 April 1982. Our primary mission was to provide icebreaking, logistical and science support to the National Science Foundation in Antarctic region.

The science effort was divided into three phases:

Phase I was conducted in the vicinity of Cape Adare, Franklin and Beaufort Islands and consisted of bird observations, seal surveys and penguin rookery visits.

Phase II, carried out near the Ross Ice Shelf and McMurdo Sound, consisted of water quality measurements and current flow data.

Phase III saw **GLACIER** operating in and around the Bransfield Straits, Weddell Sea, Antarctic Peninsula, and Gerlache Strait. The ship supported geological surveys, seal collections, bottom coring and sediment sampling teams. It was during this period that a science party we placed on Seymour Island made the historic discovery of the first land mammal fossils on the continent of Antarctica.

In conjunction with this deployment, **GLACIER** called at Noumea, New Caledonia; Brisbane and Sydney, Australia; Wellington, New Zealand; Punta Arenas and Valparaiso, Chile; Callao, Peru; and Puerto Vallarta, Mexico.

During this six month deployment, **GLACIER** steamed over 25,000 miles, supported fourteen separate science missions, and visited eight foreign ports. In each of the science missions, the expectations of the embarked scientists were met or exceeded. In foreign ports, the hospitality shown our hosts on board and the exemplary conduct of the crew ashore reflected great credit on our service and the **GLACIER** and the United States military.

Each Man and Woman assigned to **GLACIER** should take pride in their contribution to this highly successful deployment. I commend each and every one of you for a job well done and thank you for your hard work and devotion to duty which made it all possible.

J. W. COSTE, Captain
Commanding Officer,
USCGC **GLACIER**