



Campbell Island Party: Dr. Jim K. LOWRY, Mrs. Sue LOWRY, Miss Helen E. STODDERT, Mr. Peter C. TERRILL.



MST'S WEST deploys a weather balloon from the flight deck.

SCIENCE

The GLACIER's primary mission during DEEP FREEZE '80 was a marine geologic survey that spanned the Antarctic continental margin from CApe Adare to McMurdo. As well as discovering an underwater mountain range and several submarine canyons (one of them named in honor of "BIG RED") The GLACIER conducted a seismic survey of McMurdo Sound for the New Zealand Department of Science and Industrial Research. Over two hundred science stations were performed on the voyage. The following science personnel were embarked to obtain piston coring and bathymetric survey of Northern Victoria Land coast and piston coring in McMurdo Sound: Dr. John B. ANDERSON, Ms. Robyn WRIGHT, Mr. Charles P. DUNNING, Mr. Steven J. BURNS, Mr. Steven T. KNAPP. These personnel were replaced later in the trip by Dr. Dennis D. KURTZ, Ms. Kathy BALSRAW, and Ms. Susan B. DAVIS for more coring and a bathymetric survey of McMurdo Sound region to Terra Nova Bay and vicinity, northern Victoria Land coast (Coulman Island-Cape Adare-Yule Bay). Helicopters enabled extensive land surveys and procurement of geologic samples.

The Marine Seismic Survey taken this year aboard GLACIER was conducted by Dave BENNETT and Tom DEAN from the New Zealand Department of Science and Industrial Research, aided by Brian SISSONS, Colin BROWN, and Paul WHITE from Victoria University of Wellington. This is the third time that New Zealand and the United States have worked together on marine seismic surveys of the McMurdo Sound region.