

22 DEC 79

Crossed  $60^{\circ}$  South Latitude.

24 DEC 79

Crossed the Antarctic Circle at  $169^{\circ}$  -  $50.6^{\circ}$ E Longitude and sighted our first iceberg of DEEP FREEZE 80 in position  $67^{\circ}$  -  $17.55$ ,  $170^{\circ}$  -  $02.0^{\circ}$ E.

25 DEC 79

Crossed  $70^{\circ}$  South Latitude. Discovered three large submarine canyons, including "BIG RED CANYON" at the continental shelf off Victoria Land.



26 DEC 79

Discovered an unusual deep underwater basin off Cape Hooker.

1 JAN 80

Discovered a large Seamount Chain extending northwesterly from a point about 45 miles north of Cape Adare.