List of Maps

Antarctica in relation to world ocean. 2
Antarctic sea ice extent in winter/summer. 22
The main natural regions and constraints on human activity in Antarctica. 24
The location and approximate extents of rocky coast around the Antarctic Continent. 25
Inland Water Bodies. 28
Sub-Antarctic Islands Scotia Arc. 30
Location and geotectonic setting of the Sub Antarctic islands. 31
Schematic tectonic map of Antarctica based, in part, upon Craddock (1972) and Comeron (1978). 38
Stages in the Dispersal of the Gondwana Continent. 40
Position of Antarctic structural belts in relation to those of adjacent Gondwana land masses. 41
Antarctic Basins distribution. 43
Climatic zoning of Antarctica. 46
Surface Air Temperature Differences, DJF. 48
Surface Air Temperature Differences, JJA. 48
Map of Antarctica, showing the water equivalent mean annual precipitation in cm and the principal iceshelves. 49
Accumulation (isoline and underlined numbers) is gram cm year . 50
Atmospheric pressure at sea level, averages for January (above) and July.

Circumpolar wind/water boundaries.

Surface currents and the position of the Antarctic Convergence, and the Antarctic Divergence, Various sources.

Circumpolar salinity distribution at maximum salinity depth (parts per thousand).

Location of Antarctic icebergs sighted from 1773 to 1960 as compiled by Nazerov (1962).

Major flow directions of the Antarctic ice-sheets (modified after Drewry, 1983).

Trends in Antarctic winter population 1964-79.

The network of routes envisaged in the 1973 airbus proposal.

The magnetosphere of Earth. Schematically illustrating a number of important morphological features.

Geomagnetic coordinate system superimposed on the Antarctic continent at local magnetic noon at South Pole. The nominal auroral oval is indicated at this local time.

Antarctica: Climatic recording stations.

India and Antarctica.

Increases in the United States Antarctic expenditures from 1952 to 1984.

Antarctic botanical zone (Skotteberg, 1960).
Known mineral occurrences and Probable Areas of Oil and Gas exploration.

Oil Exploration in Antarctic Region.

Gondwanaland: Showing the disposition of anomalous metalliferous concentrations in selected crustal areas around Antarctica.

Iceberg and buoy trajectories in the Southern Ocean.

Antarctic Claims.

Territorial claims in Antarctica.

Territorial division of the Antarctic.

British, Argentina and Chilean Antarctic claims.

Global EEZ demarcation.

Antarctic claims and 200-mile economic zones.

Map of Antarctica showing generalized regions of mountains and summer-snow and ice-free ground where territorial and inland water ecosystems can develop (after Tedrow and Ugolini in Tedrow, 1966).

Schematic representation of the impact of petroleum hydrocarbons on various environments.

The Ozone Hole.

Long-term variations of climate (effectively of world temperature) over the past 400,000 years and calculation for the next 60,000 years, based on the orbital variables.
Cumulative equilibrium surface temperature warning due to increase in carbon-dioxide and other trace gases from AD 1980 to 2030 as computed by a one-dimensional model.

The strategic importance of Drake's Strait.

Southern Tierra Del Fuego.

Falkland islands.

Southern Cone EEZs and unrecognized claims.

Oceanic division line of 1984 Argentine-Chilean Treaty.

The Brazilian 'frontage theory' of Antarctic sectors.