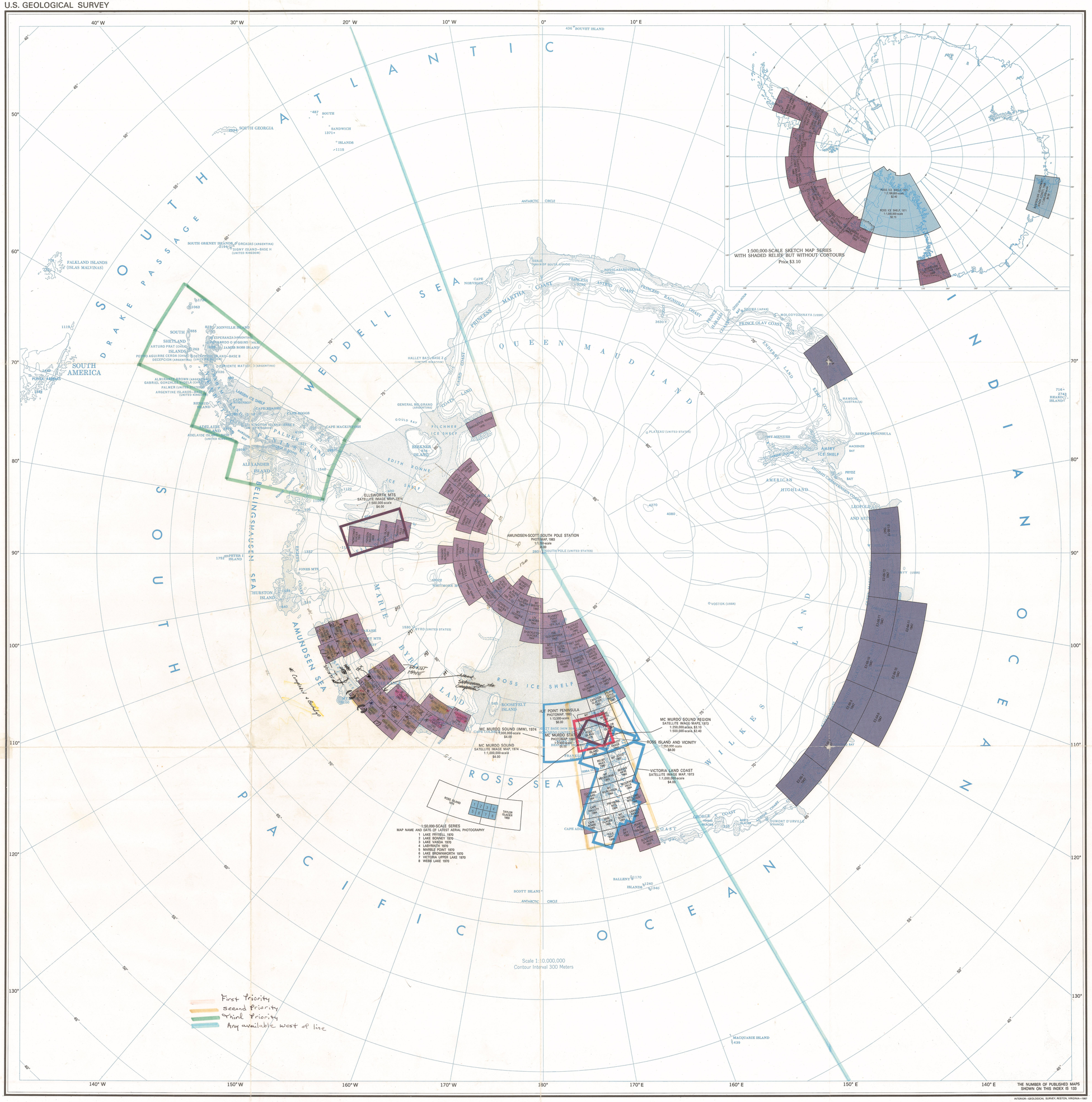
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



INDEX TO UNITED STATES TOPOGRAPHIC AND OTHER MAP COVERAGE OF ANTARCTICA

July 1, 1987

The U.S. Geological Survey (USGS) in cooperation with the National Science Foundation (NSF) is preparing and publishing topographic and geologic maps of selected areas in Antarctica. These maps are prepared in support of NSF-sponsored science research which comprise the United States Antarctic Research Program.

The Antarctic Treaty binds the United States and other signatory nations to maintain Antarctica exclusively for peaceful purposes and encourages international cooperation in scientific investigations. The Scientific Committee on Antarctic Research (SCAR), a committee of the International Council of Scientific Unions, is charged with furthering the coordination of scientific activity in Antarctica. The SCAR Working Group on Geodesy and Cartography has made recommendations concerning Antarctic mapping specifications and standards. Accordingly, USGS topographic maps of Antarctica published since 1965 are on a subdivision of the International Map of the World (IMW) system and use symbols approved by SCAR. The following series of maps are available:

WEBB LAKE 1970 — A series at 1:50,000-scale. Basic contour interval, 50 meters with supplementary contours at 25 meter intervals. The maps cover 15 minutes of latitude and 60 minutes of longitude. Size, 22 by 27 inches. Price $2.40.

HEAT BUDGET 1962 1970, A-1 — Reconnaissance maps with shaded relief at 1:250,000-scale (1 inch represents about 4 miles). Basic contour interval, 200 meters. Sheet sizes, 26 inches by 30, 33, or 36 inches, according to latitude. Because aerial photography was not available, some of these maps have only partial coverage (indicated by an asterisk preceding a map name).

Geologic multicolor maps on shaded relief bases at 1:250,000-scale of the ice-free areas are also available (indicated by A-1, A-2, etc.). Price $3.60.

ROSS ISLAND AND VICINITY 1970 — Topographic map with shaded relief at 1:250,000-scale. Basic contour interval, 200 meters. Size, 41 by 51 inches. Price shown on index.

ELWORTH 1967 — Reconnaissance maps with shaded relief at 1:500,000-scale (1 inch represents about 8 miles) covering coastal areas of Wilkes Land and Enderby Land. Basic contour interval, 1,000 feet with supplemental 500-foot contours in some areas. Size, 25 by 33 inches. Price $2.40.

VICTORIA LAND 1968 — A sketch map series with shaded relief but without contours at 1:500,000-scale. Price shown on inset (upper right corner).

ROSS ICE SHELF 1971 — A sketch map series at 1:1,000,000-scale and 1:2,188,000-scale. A mosaic of topographic shaded relief with some areas showing topographic contours only. Price shown on index.

Note: The sketch map series will be replaced by future satellite image maps.

ELLSWORTH MOUNTAINS 1974 — Satellite image maps from NASA Earth Resources Technology Satellite (ERTS 1) at 1:500,000-scale. Elsworth Mountains is a Multispectral Scanner (MSS) photomosaic of 8 areas in a blue tone. 1974. McMurdo Sound Region is a MSS photomap in black and white. 1973. Prices shown on index.

Satellite image map of McMurdo Sound Region from ERTS 1 at 1:250,000-scale. Imagery from MSS in black and white. 1973. Covers same area as 1:500,000-scale map. Price shown on index.

MC MURDO SOUND 1974 — Satellite image map from ERTS 1 at 1:1,000,000-scale. MSS photomosaic of 14 areas in blue tone. 1972-73. Price shown on index.

International Map of the World with shaded relief at 1:1,000,000-scale (1 inch represents about 13.71 miles). 1972-74. Price shown on index.

* Locality of photomaps, at various scales, too small to delineate. Titles and prices shown on index.

OPEN FILE MAPS

(Results of investigations that are made available to the public outside the formal USGS publications series. Black and white paper duplicates of reports are available)

OF 84-301. Cape Crozier, Ross Island, Antarctica. Contour Map. 1963. Sheet 1, scale 1:4,800, size 24 by 19 inches. Sheet 2, scale 1:2,400, size 52 by 40 inches. 77°27′ to 77°28′; 169°12′E to 169°19′E. Price $10.00 per set.

OF 84-302. Wright Valley Labyrinth Area, Antarctica. Contour Map. 1965. Scale 1:20,000, size 18 by 18 inches. 77°31′ to 77°35′; 160°40′E to 160°59′E. Price $3.00.

OF 84-303. Ice Free Valleys – Victoria Land, Antarctica. Topographic Map. 1962. 2 sheets. Scale 1:100,000, size 19 by 38 inches. 77°15′ to 78°; 162°E to 164°E. Price $7.00 per set.

OF 84-304. Skelton Glacier, Antarctica. Topographic Map. 1962. Scale 1:100,000, size 23 by 41 inches. 78° to 79°; 160°E to 163°E. Price $3.50.

OF 84-305. Pensacola Mountains, Antarctica. Topographic Map. 1975. Scale 1:50,000. Sheet 1, size 23 by 41 inches. 82°20′ to 82°45′; 52°W to 54°W. Sheet 2, size 23 by 41 inches. 82°20′ to 82°45′; 50°W to 52°W. Sheet 3, size 21 by 48 inches. 82° to 83°30′; 50°W to 52°W. Sheet 4, 21 by 48 inches. 83° to 83°30′; 48°W to 50°W. Price $11.50 per set.

OF 84-306. Berkner Island, Antarctica. Satellite Image Map. 1974. Scale 1:1,000,000, size 31 by 36 inches. 74° to 81°; 37°W to 58°W. Price $4.00.

OF 84-307. Filchner Ice Shelf, Antarctica. Satellite Image Map. 1974. Scale 1:1,000,000, size 31 by 36 inches. 74° to 81°; 16°W to 37°W. Price $4.00.

OF 84-308. Ronne Ice Shelf, Antarctica. Satellite Image Map. 1974. Scale 1:1,000,000, size 43 by 36 inches. 74° to 81°; 58°W to 90°W. Price $5.00.

HOW TO ORDER

Published maps may be purchased over the counter from the USGS Public Inquiries Office, Room 1-C-402, National Center, 12201 Sunrise Valley Drive, Reston, Virginia or ordered from Map Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, Colorado 80225.

Open File maps may be ordered from the SCAR Library. Orders should be addressed to the National Cartographic Information Center, U.S. Geological Survey, 507 National Center, 12201 Sunrise Valley Drive, Reston, Virginia 22092.

For technical information concerning these maps, contact the Antarctic Program Manager, Office of International Activities, National Mapping Division, U.S. Geological Survey, 515 National Center, 12201 Sunrise Valley Drive, Reston, Virginia 22092. Telephone (703) 648-5110.

Prepayment is required for published maps and for open file maps. A $1.00 postage and handling charge is applicable on orders of less than $10.00. Full remittance, payable to Department of the Interior – USGS, must accompany each order.

Prices shown are in effect as of January 1, 1985.

PRICES ARE SUBJECT TO CHANGE.

About the cover—Eight former directors of the U.S. Geological Survey have been honored by the U.S. Board on Geographic Names by bestowing their names on Antarctic mountain peaks, knobs, etc.

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