

# Posters



# PRESERVING THE LEGACY OF POLAR RESEARCH

A COLLABORATIVE EFFORT

DIGITIZATION OF SELECTED DOCUMENTS IN THE ANTARCTIC BIBLIOGRAPHY MICROFICHE COLLECTION

## THE ANTARCTIC BIBLIOGRAPHY MICROFICHE COLLECTION

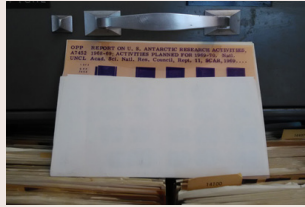
The National Science Foundation (NSF) has a long history of leadership in preserving polar research. The creation of the six sets of the Antarctic Bibliography microfiche is one example. This collection was microfilmed by the Library of Congress in the 1990s, and aimed to borrow and microfilm as much of the international polar research known at that time as possible. The NSF Library will begin selectively scanning and digitizing grey literature from the microfiche to make this research more accessible.

### THE ANTARCTIC BIBLIOGRAPHY COVERS THESE MAJOR POLAR RESEARCH CATEGORIES

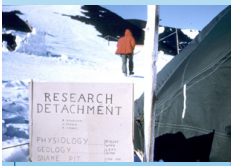
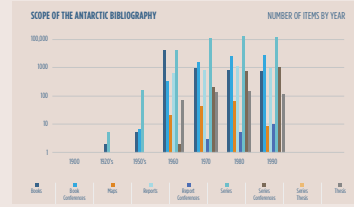
- Biological Sciences
- Geological Sciences
- Medical Sciences
- Atmospheric Physics
- Cartography
- Ice and Snow
- Meteorology
- Terrestrial Physics
- Expeditions
- Logistics, Equipment and Supplies
- Oceanography
- Political Geography



Cabinets containing one complete set of the Antarctic Bibliography microfiche.



Microfiche from the Antarctic Bibliography.



East Side | Visual Summer 1953-55



East Bay | Visual Summer 1953-55



Photograph Collection | 1953 - 1957



E.L. Hunt | January 12, 1955 - 1957



East Side | Visual Summer 1953-55



E.L. Hunt | December 1954 - 1957

## DIGITIZING THE COLLECTION

The Cold Regions Bibliography Project, coordinated by the American Geosciences Institute (AGI) and funded by NSF, has created an online database containing records from the Antarctic Bibliography and the Bibliography on Cold Regions Science and Technology. This database will be used as source metadata for the digitization project. It can also help identify records that may have already been digitized and are freely available to the public.

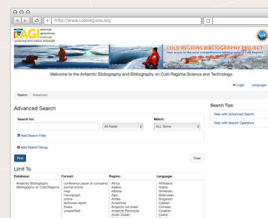
## DIGITIZATION STANDARDS

NSF has identified and will coordinate the use of digitization standards across institutions participating in the digitization project. Guidance is derived from Technical Guidelines for Digitizing Cultural Heritage Materials from Federal Agencies Digital Guidelines Initiative (FDGI).

- 400 dpi, TIFF archival master files
- PDF/A Searchable (OCR) access files

## COLLABORATING IS A WIN-WIN EFFORT

Our goal is to spark a conversation about the long-term digital storage and preservation of these materials. Past Polar Libraries Colloquy (PLC) projects to coordinate digitization of polar literature did not include this Collection per se. Through a coordinated effort with other institutions, we envision that selected Antarctic Bibliography resources can be made publicly available and used by future researchers. Six sets of microfiche exist throughout the United States.



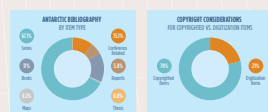
Screenshot of the Cold Regions Bibliography Project database, which contains searchable metadata about items in the microfiche - [WWW.COLREGIONS.ORG](http://WWW.COLREGIONS.ORG)



Scanning Technology at NSF: the SF ViewScan III microform scanner and software with 14-megapixel full color camera.

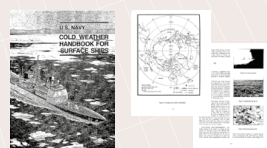
TWO SETS NEED PERMANENT HOMES, PREFERABLY IN STRATEGIC GEOGRAPHIC LOCATIONS AROUND THE WORLD!

Contact [LIBRARY@NSF.GOV](mailto:LIBRARY@NSF.GOV) for more information.



Many of the items in the bibliography are books and serials, which are likely to be copyrighted. We will focus our efforts on grey literature, such as reports and conference proceedings.

This chart provides an estimate of the volume of publications that are likely outside of copyright and are therefore candidates for digitization.



Sample of digitized content from the Antarctic Bibliography.

EXISTING COLLABORATORS

- United States National Science Foundation (NSF)
- American Geosciences Institute (AGI)
- Alaska Resources Library and Information Services (ARLIS)
- United States Geological Survey (USGS)

The Antarctic Bibliography microfiche contains a variety of items, including conference papers, monographs, journal articles, and reports. Many of these items are currently under copyright. This collaborative project will focus its digitization efforts on public domain items, which represent a fraction of the overall collection.



PROJECT GOAL TO PROVIDE THE PUBLIC WITH FREE AND OPEN ACCESS TO SELECTED DIGITIZED GREY LITERATURE FROM THE ANTARCTIC BIBLIOGRAPHY.

JOIN THE EFFORT! For more information on participating in this collaborative digitization project, contact [LIBRARY@NSF.GOV](mailto:LIBRARY@NSF.GOV)

PROJECT TEAM - National Science Foundation, Alexandria, Virginia, USA; Sony Gardner-Clarke | LAC Federal, Rockville, Maryland, USA; Sue Olmsted, Colleen Funkhouser, Grace Troxel