

Past and Future of NOAA Publications

Katie Poser
Outreach Librarian

Jennifer Fagan-Fry
NOAA Institutional Repository Manager & Scholarly Communications Librarian

Office of Oceanic and Atmospheric Research, Office of Science Support, NOAA Central & Regional Libraries
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Science, Service, Stewardship

NOAA Central Library



Jennifer Fagan-Fry,
NOAA IR Manager



Katie Poser,
Outreach Librarian



History of NOAA

Coast & Geodetic Survey

- Est. 1807

U.S. Weather Bureau

- Est. 1870

U. S. Fish Commission

- Est. 1871



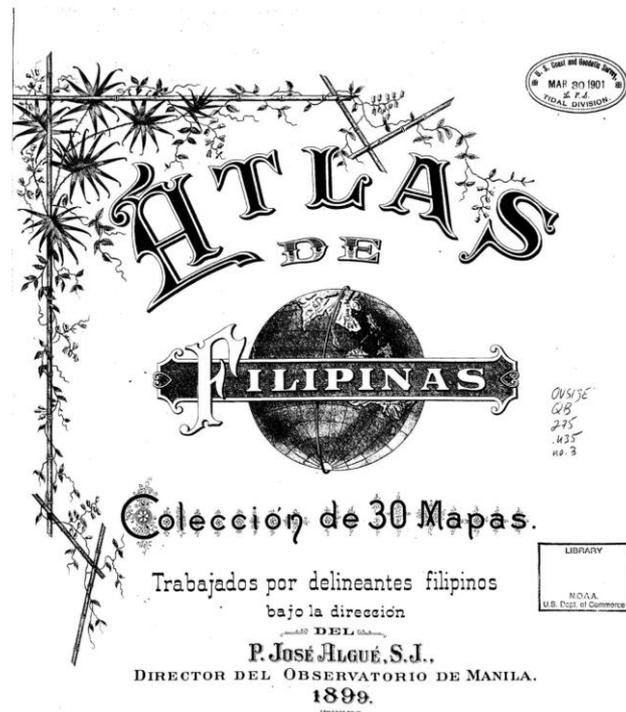
What Did They Publish? Coast & Geodetic Survey

U.S. Coast and Geodetic Survey Annual Reports

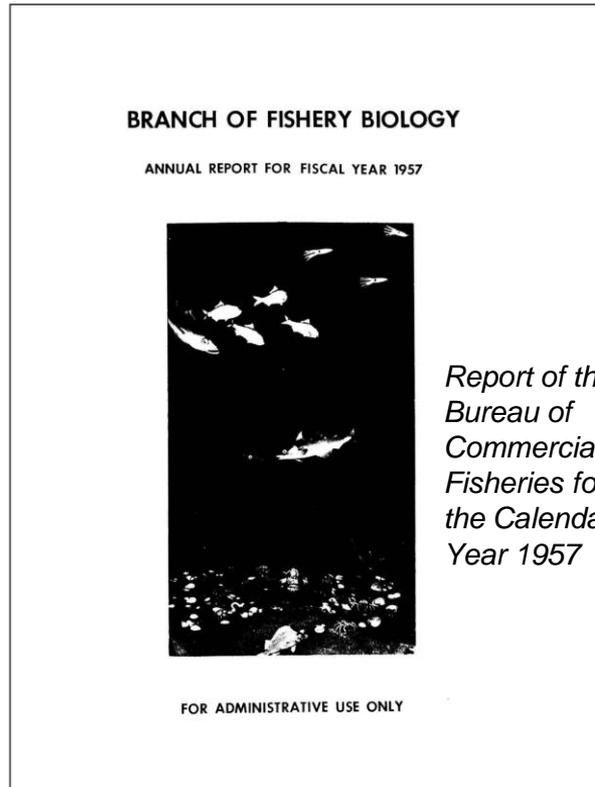
- Annual reports of the Coast and Geodetic Survey from 1844-1965.

U.S. Coast and Geodetic Survey Special Publications (1898-1969)

- Special Publications of the U. S. Coast and Geodetic Survey were published from 1898 to 1969 regarding technical and scientific methods of the Survey.



What Did They Publish? U.S. Fish Commission



Fisheries Heritage Digital Collection Digital collection of historical documents on fisheries of the United States from the early 1800s to early 1900s.

U.S. Fish Commission Annual Reports Annual reports of the United States Fish Commission and the United States Fish and Fisheries Commission from 1871 to 1940, and 1947-1979, in PDF format.

BONUS: Bulletin of the United States Fish Commission An official publication of the U.S. Government since 1881, the years 1881 to 1997 are available in PDF format.

What Did They Publish? - U.S. Weather Bureau

[U.S. Army Signal Corps/Weather Bureau Annual Reports](#) Meteorological observations from 1861 to 1942 in PDF format.

[U.S. Daily Weather Maps](#) This collection provides access to historical daily weather maps from 1871 thru 2002. Images in DejaVu format; free plug-in provided.

[Monthly Weather Review](#) Free access from 1871 to 1973 in cooperation with the American Meteorological Society.

[Report of the Chief of the Weather Bureau \(1891-1953\)](#) Practical and theoretical aspects of the work of the Bureau: forecasts, weather maps, flood and frost warnings, climate research, the State Weather Services, instruments, meteorological records, soil physics, crop conditions, and more.

[Daily Synoptic Weather Maps](#) Historical daily synoptic weather maps for the northern hemisphere from 1899 to 1971.



What Did They Publish? - U.S. Weather Bureau pt.2

[George Washington Carver and Tuskegee Weather Data](#) Volunteer weather observations taken at the Tuskegee Institute in Tuskegee, Alabama from November 1899 through June 1954.

[Weather Bureau Topics and Personnel](#) Monthly publication from 1915-1965. Includes personnel information such as biographical sketches, transfers, awards, retirements, and deaths. Also includes organizational guidance, budget matters, and a wide range of policy and scientific issues.

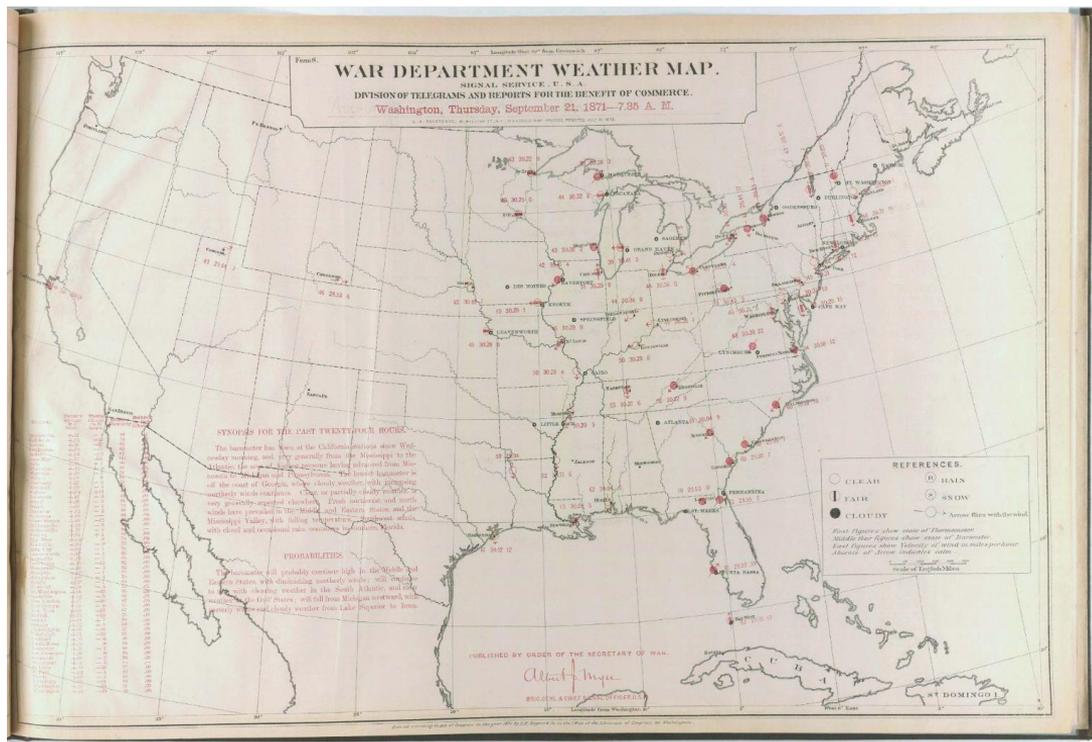
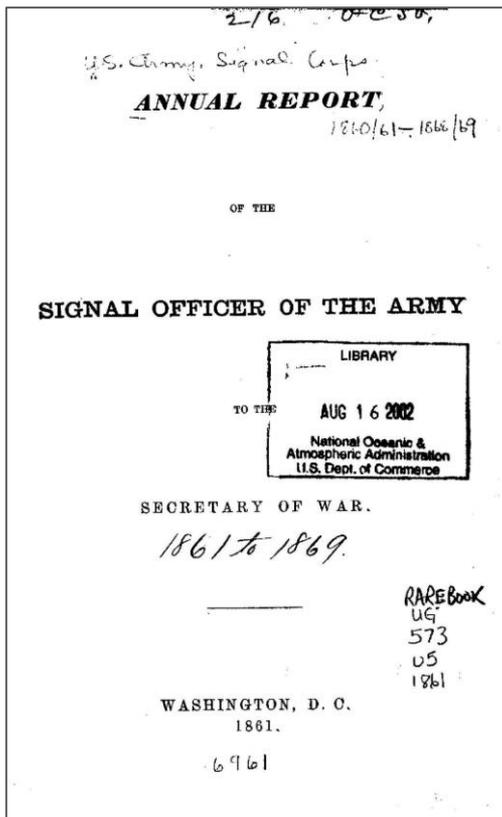
[Why The Weather](#) Daily public service announcements regarding weather facts, phenomena and proverbs provided for the Science Service beginning in May 1923.

[U. S. Weather Bureau Circular Letters](#) Monthly communications to U. S. Weather Bureau personnel from 1940-1966.

[Hurricane Reports](#) Beginning with Hurricanes Edna and Hazel in 1954 and ending with Hurricane Katrina in 2005, preliminary advisories and reports with bulletins issued by the U.S. Weather Bureau and in some instances post hurricane service assessments.



What Did They Publish? - U.S. Weather Bureau pt.3

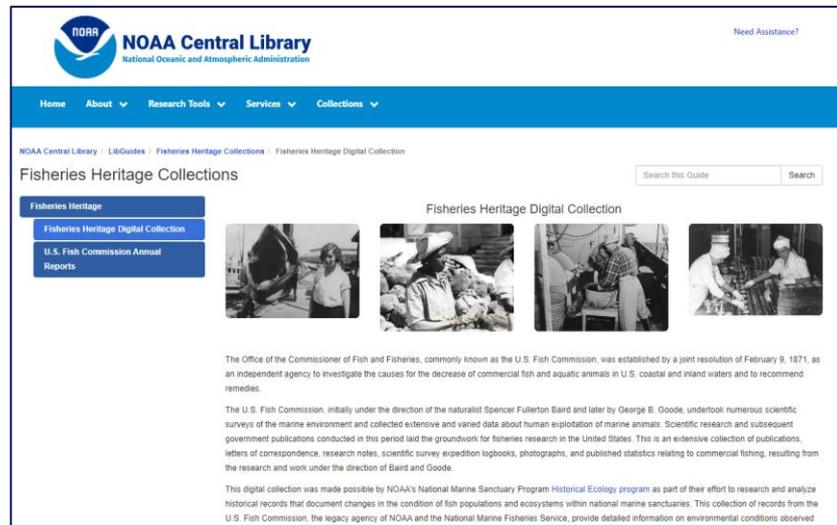


Accessing & Using NOAA Historical Publications

NOAA predecessor publications can be found:

- [Library Catalog](#)
- [Library Collection pages](#)
 - Divided by agency, digitized PDFs or similar file format

Both spaces are freely accessible by the public.



The screenshot displays the NOAA Central Library website. At the top, the NOAA logo and "NOAA Central Library National Oceanic and Atmospheric Administration" are visible. A navigation bar includes links for Home, About, Research Tools, Services, and Collections. Below the navigation bar, the breadcrumb trail reads: NOAA Central Library / LibGuides / Fisheries Heritage Collections / Fisheries Heritage Digital Collection. The main heading is "Fisheries Heritage Collections" with a search box to its right. A sidebar on the left lists "Fisheries Heritage" and "Fisheries Heritage Digital Collection" as active sections, with "U.S. Fish Commission Annual Reports" listed below. The main content area features the heading "Fisheries Heritage Digital Collection" and four historical black and white photographs. Below the photos, there are three paragraphs of text providing historical context about the U.S. Fish Commission and the digital collection.

NOAA Central Library
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Fisheries Heritage Collections

Fisheries Heritage

Fisheries Heritage Digital Collection

U.S. Fish Commission Annual Reports

Fisheries Heritage Digital Collection

The Office of the Commissioner of Fish and Fisheries, commonly known as the U.S. Fish Commission, was established by a joint resolution of February 9, 1871, as an independent agency to investigate the causes for the decrease of commercial fish and aquatic animals in U.S. coastal and inland waters and to recommend remedies.

The U.S. Fish Commission, initially under the direction of the naturalist Spencer Fullerton Baird and later by George B. Goode, undertook numerous scientific surveys of the marine environment and collected extensive and varied data about human exploitation of marine animals. Scientific research and subsequent government publications conducted in this period laid the groundwork for fisheries research in the United States. This is an extensive collection of publications, letters of correspondence, research notes, scientific survey expedition logbooks, photographs, and published statistics relating to commercial fishing, resulting from the research and work under the direction of Baird and Goode.

This digital collection was made possible by NOAA's National Marine Sanctuary Program Historical Ecology program as part of their effort to research and analyze historical records that document changes in the condition of fish populations and ecosystems within national marine sanctuaries. This collection of records from the U.S. Fish Commission, the legacy agency of NOAA and the National Marine Fisheries Service, provide detailed information on environmental conditions observed.



Establishing NOAA: 1970 and beyond



Establishment of NOAA

- President Nixon, October 3, 1970
- Robert M. White, first Administrator of NOAA
- Combined 4 agencies under Dept. of Commerce banner
 - BCF→ National Marine Fisheries Service
 - ESSA→ further split in the mid-1970s (NESDIS/OAR)
 - C&GS→ National Ocean Service
 - WB→ National Weather Service
- Retained separate “line offices” based on these agencies, continued same fields of science, research, and output.



NOAA Publishing 1970-2010s

- Administrative Orders determine the types of publications & how/where they are disseminated
 - NAO 201-32G: defines publications
 - Technical & Scientific
 - NAO 205-17A: lays out how publications are distributed
 - Who gets a copy, etc.
 - Policies very focused on physical materials
- No centralized publishing office
 - Each Line Office maintains their own publishing policies/procedures
- Materials were scattered
 - Housed on separate office websites, buried on “resource” pages, etc.
 - Broken links, bit-rot, etc.



Public Access Requirements & NOAA Policy

- OSTP Holdren memo (2013)
 - Office of Science & Technology Policy Memo (2013): “[Increasing Access to the Results of Federally Funded Scientific Research](#)”
 - Agencies with >\$100M in research annually to create a plan to make results of this research available to the public
 - Calls for “Repositories [...] maintained by the Federal agency funding the research [or] with other Federal agencies”
 - [NOAA PARR Plan](#) (2015)
- OSTP Nelson memo (2022)
 - Updates/expands scope and applicability of the 2013
 - All agencies (regardless of R&D spending); removes embargoes, etc.
 - Leaves room for requiring gray literature (at agency discretion)
 - NOAA already did this with the 2013 memo



NOAA Institutional Repository



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2022 NOAA Science Report

Many of NOAA's scientific accomplishments represent transformative advancements for priority research and development topics.

[Learn More](#)



NOAA IR Annual Operating Report FY22



NOAA R&D Vision Areas:2020-2026



Recent NOAA Publications



Gaps in NEXRAD Radar Coverage

Quick Links

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[Submission & DOI Request Form](#)

[Submission FAQs](#)

[Section 508 Guide](#)

[NOAA Resources](#)

[NOAA IR API \(For Developers\)](#)

Trending This Week

[Chemical and physical properties of refined petroleum products](#)

[Diagnosis of noise in the NMC Global Model using a time filter](#)

[FM/CW radar signals and digital processing](#)

[Biological Impact of Ocean Acidification in the Canadian Arctic: Wides...](#)



NOAA IR Holdings

- NOAA authored and funded publications
- 18 Collections
 - By Line Office & program specific
- NOAA Publications back to 1970
 - Includes:
 - Technical reports/memoranda, etc.
 - Data/Cruise/Administrative reports (methodologies)
 - Program/Strategic documents
 - Conference proceedings
 - Manuals/Handbooks
 - Reports (to Congress, annual, grant, etc.)
- Journal articles 2015-present



Highlighted Collections: Sea Grant

- Transitioned the National Sea Grant Library holdings to the NOAA IR
 - Some items are found in the NCL catalog (i.e., newsletters, etc.)
- Materials from all 34 SG Programs dating back to 1970
 - Reports, research, journal articles, etc.
- Ability to sort by SG program, document type, year, etc.

A screenshot of the NOAA IR website's 'Sea Grant Publications' page. The page header includes the NOAA logo and 'National Oceanic and Atmospheric Administration United States Department of Commerce'. A search bar is visible with 'Sea Grant Publications' entered. The main content area features a title 'Sea Grant Publications' and a descriptive paragraph. Below this is a table with columns for 'Year Published' and 'Count'. A 'More' link is present. A 'SAVE BULK CITATIONS' button is also visible. A sample publication entry is shown with a thumbnail and title: 'Forecasting Seasonal Vibrio parahaemolyticus Concentrations in New England Shellfish'.

Year Published	Count
2023	49
2022	229
2021	396
2020	483
2019	170
More	
Sea Grant Program	
AKU (Alaska Sea Grant)	438



Highlighted Collections: Ocean Exploration Program

- The only federal program dedicated to exploring our deep ocean
- Collection contains all publications produced by the program
 - Data/Cruise reports;
 - Cruise instructions;
 - Mapping information;
 - Journal publications, etc.



Digitization

- To-date: digitized approximate 5000 titles from current and predecessor NOAA offices including:
 - Reports;
 - Correspondence/memos;
 - White papers;
 - Conference proceedings;
 - Observations & logs; etc.
- Currently working on a new contract to digitize another 1500 rare materials from our rare book room
 - Primarily C&GS historical items

Month of AUGUST 1967 Station TUSKEGEE County, ALABAMA
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Observer George W. Carver

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Questions?

katie.poser@noaa.gov
jennifer.fagan-fry@noaa.gov

