

# Expanding the Arctic Rediscovery Project: A Personnel Database

Sarah Drerup, MLIS University of Washington  
Kimberly Swenson, MLIS University of Washington

## Abstract

In order to generate more information from historical weather and environmental records, the National Oceanic and Atmospheric Administration (NOAA) created the Arctic Rediscovery Project. One initiative of the Arctic Rediscovery Project is the crowdsourcing transcribing website, Old Weather. Old Weather facilitates the digitization and transcription of historical images, logbooks, and documents by dedicated volunteers and students. As a part of their collection, NOAA has thousands of images featuring personnel from the Geodetic Survey, academic institutions, and crew from old research vessels. These images were digitized, but until now the public had no access to the collection. By constructing a searchable and browsable database and designing a functioning website to display these images, our capstone project creates an access point for NOAA researchers, historians, relatives, and Old Weather volunteers.

## Methods

Database Design



Metadata Entry



MySQL Database Creation



Website Design

## Examples of Personnel Image and History of Photograph Form



DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY Form 955 Rev. Mar. 1918 HISTORY OF PHOTOGRAPH	
Date of registration Subject	Shelf Mark Accession No.
	PA 9535
Ensign John C. Tribble, U. S. Coast and Geodetic Survey, Born: Nov. 9, 1906. Entered on duty: Oct 15, 1929.	
Date: Oct 19 1929 Author: White Studio. Negative? NONE Lantern Slide? NONE Class No.	

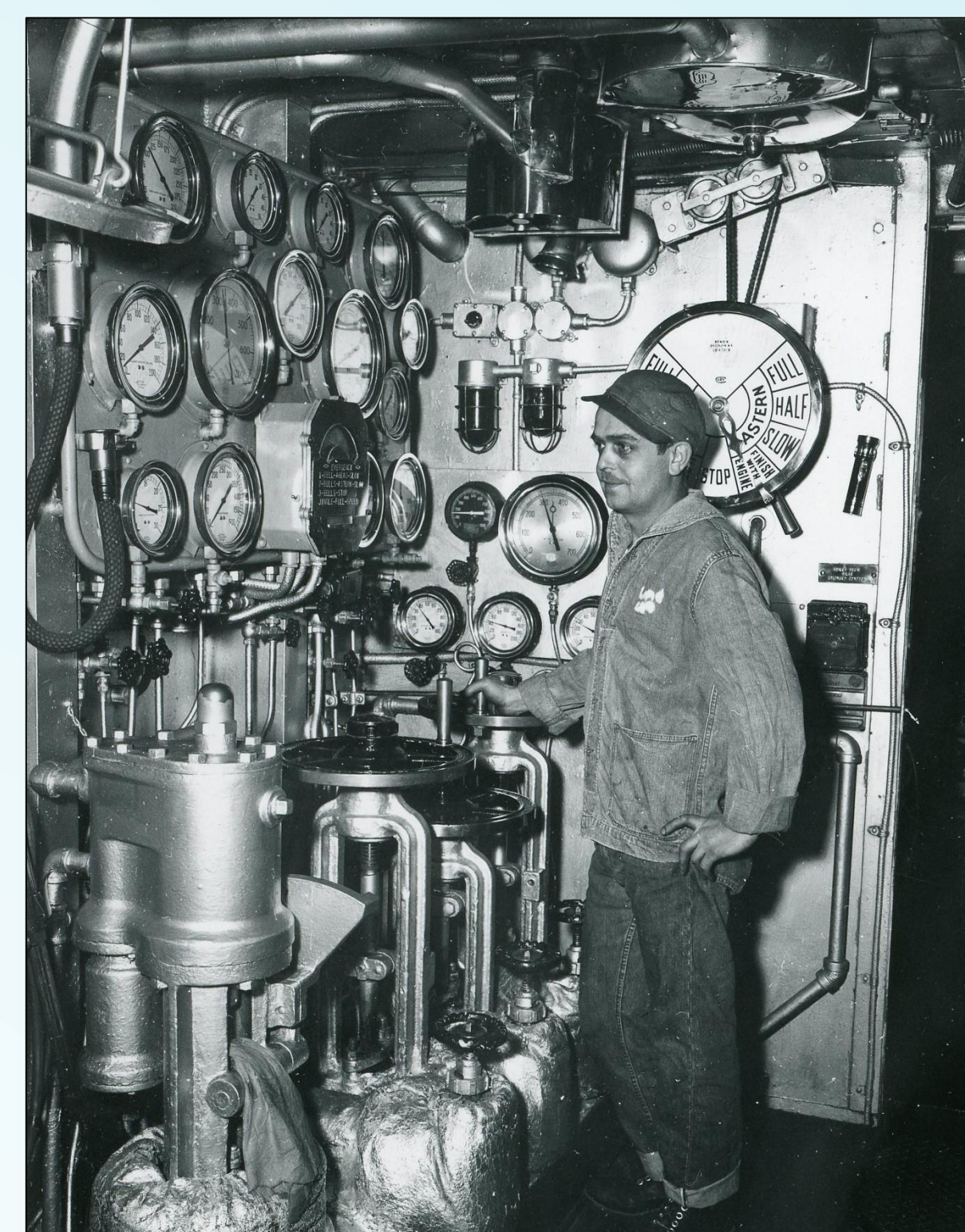
### Searchable Metadata Fields

Image ID: Personnel-0025

Name: John Tribble

Date of Photograph: 1929

History of Photograph ID: Personnel-0025-ex



PHOTOGRAPH HISTORY	
Class: PA	2. Accession No.: 21320A-B
Subject: PROBABLE PERSONNEL	
Descriptive Title: Melvin A. Lang Probable Asst. Engineer on Ship Explorer	
Origin:	
Purpose:	
Date: 1908 July	
Author: B. Hale CHS	
Negative? YES	
Lantern Slide? N/O	
Date Registered: 10/18/58	
Photostat Catalogued? 2	
Remarks:	

### Searchable Metadata Fields

Image ID: Personnel-0934-1

Name: Melvin A. Lang

Date of Photograph: 1956

Ship ID: Explorer

History of Photograph ID: Personnel-0934-ex

## Website Design



The final website was formatted and designed to match other sites associated with the Arctic Rediscovery Project. Users can browse and search by personnel name, ship, date of photograph, and location.

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