

SMS 28  
Updated 8/17/21  
Tawnie Mizer

## BOZARTH, THEODORE W.

Linear ft.: .5  
Approx. no. pgs.: 300

Collection Date: 1943-1958

### Biographical Note

Theodore W. Bozarth was born in Mount Holly, New Jersey on June 11 1918. He received his commission as a pilot, shortly after he finished Aviation Cadet Training in 1943 and entered the U.S. Air Force. Between 1943-1964, he served continually, overseas in England, Japan and The Pacific Theater of Operation working his way up the ranks to Lt. Col. After a successful career in aviation, serving in both World War II and Korea, he retired from the Air Force and moved to Titusville, New Jersey in 1963. At the time of his retirement he was serving as an education and training officer with the Headquarters 1<sup>st</sup> Air Force Reserve Regions, Stewart Air Force Base, New York. After moving to Titusville Bozarth became involved and was a member of the Post Card Club of Washington Crossing, the Coryell Ferry Stamp Club and was an associate editor for the Bozarth Beacon, a geological journal.

Throughout his time in the Air Force he worked with the Institute of Navigation, the Aeronautical Chart Service and the Air Proving Ground Command to advance air navigation and charting, particularly Arctic navigation. Lt. Col Bozarth passed away in his home on December 9 2005 and was buried 14 December 2005 at Ewing Cemetery in Ewing, New Jersey.

**Note:** Biographical information was taken from the Bozarth's collection donor paperwork and Bozarth's obituary published in the Times Trenton, New Jersey on 12 December 2005 and accessed through <https://obits.nj.com/us/obituaries/trenton/name/theodore-bozarth-obituary?pid=15967960> Accessed 8/17/2021

### Scope and Content Note

This collection contains material on Theodore Bozarth's military career in aerial navigation, particularly the development and advancement of Arctic navigation in the U.S. Air Force. This collection consists of one box divided into four folders and four series. **Series 1)** **Correspondence folder 1** Contains correspondence to Lt. Col. Bozarth concerning his paper he published "Improved LORAN Reception and Range Extension." **Series 2) Printed Matter folder 2** contains several published instructional booklets on charting and aerial navigation.

SMS 28-BOZARTH, THEODORE W.

**Series 3) Reports folder 3** contains various military reports concerning aerial and Arctic navigation. **Series 4) Miscellaneous folder 4** contains a Russian Air Almanac in Russian with notes in English and information on the development of the computer in Russian with English translation. This collection was donated by Lt. Col. Bozarth between the period of December 1958-June 1961.

**Keywords and Terms:** 1943-1958; aviation; aeronautics; astronomy; "Improved LORAN Reception and Range Extension"; aerial navigation; Arctic navigation; aerial charting; Air Rescue Service; U.S. Army Air Force; Australian Institute of Navigation; Finding Aids

**Names:** Bozarth, Theodore W Lt. Col.; Johnson, William E.; Williams, Wayland W. 1<sup>st</sup> Lt.; Kirkpatrick, O.R. Capt.; Arnold, Harold M. 1<sup>st</sup> Lt.; Bilder, Brett Capt.

**Places:** Sydney, Australia; Wright Field, Ohio, United States; Orlando, Air Force Base Florida, United States; San Francisco, California, United States; Eglin Air Force Base, Florida, United States; Seattle, Washington, United States

## Arrangement and Description

### SERIES ONE BOX ONE

### CORRESPONDENCE

Folder 1      Thank-you letters dated 1955-1956 to Col. Bozarth from the Air Rescue Service, Australian Institute of Navigation and various other military entities for his paper, "Improved LORAN Reception and Range Extension" and a copy of his paper

### SERIES TWO BOX ONE

### PRINTED MATTER

Folder 2      The Tri-Met System of Aerial Charting, Army Air Forces, Sixth Photographic Squadron, Peterson Field

Operation Instructions for the USAF Type N-1 Compass System, Kearfott Company, Inc., Little Falls, N.J., Jul 1952

Weather Charts of the Army Air Forces, No. 309, Directorate of Weather, AAF, Mar 1943

Introduction to Bombing Tables, Army Service Forces, Ordnance Office, Washington, D.C., Jan 1945

Landfall Relief Models Instruction Manual, US Navy Bureau of Aeronautics, 1945

SMS 28-BOZARTH, THEODORE W.

Polar Path, Bendix Aviation Corporation, N.J.

"Training the Air Force Navigator," paper by Lt. Col. G.D. Ofiesh, to the Institute for Navigation, San Diego, Ca., 25 Jun 1954

Navigation, 8<sup>th</sup> Heavy Bombardment Processing Headquarters, Scott Field, Illinois

An Astronomical Study of Daylight, Twilight, and Darkness in the Arctic and Sub-arctic, Wm. E. Johnson, Air War College

Wartime Training of Individual Specialists, HQ Army Air Forces, Washington, D.C., Jun 1946

**SERIES THREE**  
**BOX ONE**

**REPORTS**

- Folder 3 "United Nations Air Forces Flight Forecast," 20 Dec 1953
- "New Charting and Mapping System," file folder. Photographs and description
- "A Summary of Polar Navigation," by 1<sup>st</sup> Lt. Wayland W. Williams, 46<sup>th</sup> Recon Squadron, Seattle, Washington
- "Report on the Navigational Symposium at Wright Field, Ohio, 15-17 Apr 1947"
- "Report on Photo Drift Sight developed by Capt. O.R. Kirkpatrick," 15 Jun 1948
- "Aerial Analysis of Navigator Duties with Special Reference to Equipment Design and Workplace Layout," 2 Feb 1948
- "Pressure Pattern Flying"
- "Low Altitude Chart Conference," Photo Recon Lab, Wright Air Development Center, 30 Sep-1 Oct 1953
- "Polar navigation," 1<sup>st</sup> Lt. Harold M. Arnold, Air Corps
- "Off-shore Pilotage," Maj. Theodore W. Bozarth, San Francisco, Calif.
- "On the Avoidance of Hurricanes," Capt. Brett Bilder, 4 Dec 1956
- "Antarctica," James L.B. Cowan, Australian Institute of Navigation, Sydney, Australia
- "Underground Navigation," Capt. Brett Bilder, Australian Institute of Navigation, Sydney, Australia. Aug 1958

SMS 28-BOZARTH, THEODORE W.

**SERIES FOUR**  
**BOX ONE**

**MISCELLANEOUS**

Folder 4

Russian Air Almanac, in Russian, 1944

Pamphlet, "Description of Computer," in Russian, with translation