Descriptive Summary

Languages: English

Contributing Institution: Special Collections & Archives, UC San Diego
9500 Gilman Drive
La Jolla 92093-0175

Title: Claude E. ZoBell Papers

Identifier/Call Number: SMC 0131

Physical Description: 5.2 Linear feet (13 archives boxes and 1 film)

Date (inclusive): 1931 - 1989

Abstract: Marine microbiologist Claude E. ZoBell's biographical materials, correspondence, professional files, writings and photographs.

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OFF-SITE STORAGE

COLLECTION STORED OFF-SITE. ALLOW ONE WEEK FOR RETRIEVAL OF MATERIALS.

Digital Content

Selected photographs from this collection have been digitized and can be viewed through links in the container list.

Acquisition Information


Preferred Citation

Claude E. ZoBell Papers, SMC 131. Special Collections & Archives, UC San Diego.

Scope and Content of Collection

The collection consists of marine microbiologist Claude E. ZoBell's biographical materials, correspondence, professional files, expedition reports, writings and photographs. Subjects of note include microbiology, oil recovery, marine ecology, the Galathea Expedition, and ZoBell's philanthropic activities.

Arranged in six series: 1) BIOGRAPHICAL FILES, 2) CORRESPONDENCE, 3) SUBJECT FILES, 4) EXPEDITIONS, 5) WRITINGS and 6) PHOTOGRAPHS & SLIDES.

Biography

Claude Ephraim ZoBell (1904-1989) was a forerunner in the field of marine microbiology who pioneered research on microorganisms and microbial processes in the ocean. After graduating from the Southern Idaho College of Education in 1922, he taught and was a principal at an elementary school in Rigby, Idaho. He resigned from teaching in 1926, attaining his M.S. in bacteriology from Utah State University in 1929, and his Ph.D. from the University of California, Berkeley in 1931. In 1932, ZoBell joined the Scripps Institution of Oceanography as a temporary instructor of marine microbiology. He soon became an assistant professor, and in 1948, a full professor. In 1972 he became professor emeritus at UC San Diego.

ZoBell is credited with discovering 68 species of ocean bacteria. He was a participant on the Galathea Expedition (1950-1952), which travelled around the world retrieving deep-sea organisms from 35,000 feet below sea level. He also embarked on the Naga Expedition (1960), the Dodo Expedition (1964) to the Marianas Trench, and the Zetes Expedition (1966) to the Japan-Bonin Trench. His publications include nearly 300 research papers and a landmark textbook on marine microbiology; he also founded the Geomicrobiology Journal in 1976. ZoBell served in executive positions for a variety of scientific associations. He worked as an advisor to NASA on the subject of spacecraft component sterility, and was a consultant for oil companies on petroleum microbiology. He devoted a significant amount of time to activities such as Boy Scouts of America, San Diego County Council, San Diego Science Fairs, the American Red Cross and the Zoological Society of San Diego. He also funded the construction of the Farnsworth Television Pioneer Museum in his hometown of Rigby, Idaho and supported numerous scholarships. He died in La Jolla, California at the age of 84.

Restrictions Apply

Original film in Series 4) EXPEDITIONS is restricted. Patrons may request that a user copy be produced in advanced.

Related Materials

SIO Biographical Files, SAC 5. Special Collections & Archives, UC San Diego.

Subjects and Indexing Terms

Marine microbiology
Danske dybhavsekspedition jorden rundt (1950-1952)
Scripps Institution of Oceanography -- Photographs
Naga Expedition (1959-1961)
ZoBell, Claude E., 1904-1989 -- Archives

**BIOGRAPHICAL FILES**

- **Box 1, Folder 1**
  - Annual Supplements to UC San Diego Bio-Bibliography 1948 - 1971
- **Box 1, Folder 2**
  - Biography 1931 - 1961
- **Box 1, Folder 3**
  - Certificates 1924 - 1982
- **Box 1, Folder 4**
  - Curricula vitae 1955 - 1987
- **Box 1, Folder 5**
  - Memorial Resolution Honoring Claude E. ZoBell, California State Assembly 1989
    - March 28
  - Memorial service 1989 April 7
    - Photographs and program
      - General
        - Contact sheets and negatives by Jackie Parker of ZoBell’s memorial service at Scripps.
        - Attendees in the photographs include Robert Hessler, Richard Morita, Jerome Namias, Roger Revelle and the ZoBell family.
- **Box 1, Folder 6**
  - Service recording on audiocassette
    - Conditions Governing Access
      - Original restricted (digital version available).
- **Box 1, Folder 7**
  - Miscellaneous 1939 - 1987
- **Box 1, Folder 8**
  - Publicity 1947 - 1985
- **Box 1, Folder 9-10**
  - Tribute to Claude E. ZoBell 1972 May
    - General
      - Annual SIO Staff Council meeting.

**CORRESPONDENCE**

- **Box 1, Folder 12**
  - 1934 - 1950
- **Box 2, Folder 1-9**
  - 1951 - 1974
- **Box 3, Folder 1-7**
  - 1975 - 1989
- **Box 8, Folder 9**
  - Miscellaneous 1952 - 1982
- **Box 8, Folder 10**
  - Debyser, Jacques 1951-1953
- **Box 8, Folder 11**
  - Freitas, Yvonne Mal 1963-1966
- **Box 8, Folder 12**
  - Gundersen, Kaare R. 1972 - 1981
- **Box 9, Folder 1**
  - Gunkel, Wilfried 1973-1985
- **Box 9, Folder 2**
  - Kiser, Jackson S. 1943-1963
- **Box 9, Folder 3**
  - Lear, Donald W. 1960
- **Box 9, Folder 4**
  - Marquis, Robert E. 1969-1978
- **Box 9, Folder 5**

**SUBJECT FILES**

- **Box 4, Folder 1**
  - American Association of State Colleges and Universities (AASCU), Distinguished Alumnus Award 1987
- **Box 4, Folder 2**
  - American Society for Microbiology (ASM) 1972 - 1986
- **Box 4, Folder 3**
  - American Society for Microbiology Archives 1982
- **Box 4, Folder 4**
  - Atomic Energy Commission 1950 - 1959
- **Box 4, Folder 5**
  - Boy Scouts of America 1938 - 1982
- **Box 4, Folder 6**
  - Composting 1970 - 1971
- **Box 4, Folder 7**
  - Conference on Microbiological Processes Useful in Enhanced Oil Recovery 1979
Box 4, Folder 8  Department of Health, Education, and Welfare 1965
Box 4, Folder 9  Exxon Research and Engineering Company 1977 - 1980
Box 4, Folder 10-11  Farnsworth Television Pioneer Museum 1979 - 1986
Box 4, Folder 12  Geomicrobiology Journal 1976 - 1982
Box 4, Folder 13  Idaho State University (ISU) 1980 - 1987
Box 5, Folder 1  ISU Alumni Association 1980 - 1986
Box 5, Folder 2  ISU ZoBell-Albion Scholarship in Education
Box 5, Folder 3  International connections and events
Box 5, Folder 4  Australia 1964 - 1979
Box 5, Folder 5  Belgium 1962 - 1967
Box 5, Folder 6  Canada 1958 - 1979
Box 5, Folder 7  Cuba 1954 - 1987
Box 5, Folder 8  Denmark 1954 - 1982
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Box 6, Folder 6  Maps and blueprints 1932, 1979
Box 6, Folder 7  General
Box 6, Folder 8  Ritter Hall floor plans (1932 and 1979), SIO campus map (1932).
Box 6, Folder 9  Marine Ecology Progress Series 1980 - 1987
Box 6, Folder 10  Marine Microbiology, textbook reviews and comments 1946 - 1965
Box 6, Folder 11  Microbial Enhanced Oil Recovery (MEOR) 1978 - 1986
Box 6, Folder 12  National Institutes of Health (NIH) grant applications 1967 - 1969
Box 6, Folder 13  National Lexicographic Board 1954
Box 6, Folder 14  National Oceanic and Atmospheric Administration 1976 - 1977
Box 6, Folder 15  Nealson, Kenneth H. 1974 - 1976
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Box 6, Folder 17  Novelli, G. David 1958
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Box 6, Folder 19  Oppenheimer, Carl H. 1964 - 1987
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Box 6, Folder 26  Correspondence (continued) 1947 - 1948
Box 6, Folder 27  Writings 1947 - 1948
Box 6, Folder 28  "Report on Activities, Observations and Experiences of Dr. Claude E. ZoBell While on Sabbatical Leave..." 1947 - 1948
Box 6, Folder 29  Oil pollution research 1947 - 1948
Box 6, Folder 30  Scholander, Per 1942
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Box 10, Folder 1 ZoBell Scholarship, Utah State University 1981 - 1989
Box 10, Folder 2-3 Zoological Society of San Diego 1936 - 1982

EXPEDITIONS

Galathea Expedition 1950 - 1952
Box 10, Folder 4 General information and reports 1949 - 1952
Box 10, Folder 5-7 Correspondence 1949 - 1960
Box 11, Folder 1-2 Correspondence (continued) 1949 - 1960
Box 11, Folder 3 Publicity 1949 - 1958
Box 11, Folder 4 Memoirs 1950 - 1952
Box 11, Folder 5 Oceanographic instruments undated
Box 11, Folder 6 Photographs 1950 - 1952
Oversize FS-35 Arbejdsmetode [Work Method] film undated

Conditions Governing Access
Restrictions Apply
General

16mm color film, silent, 10 minutes. ZoBell performs experiments in laboratory.

Naga Expedition 1960
Box 11, Folder 7 General information and reports 1960
Box 11, Folder 8 Correspondence 1960
Box 11, Folder 9 Photographs 1960

Dodo Expedition 1964
Box 12, Folder 1 General information and reports 1964
Box 12, Folder 2 Correspondence 1964 January - 1964 November
Box 12, Folder 3 Deck logs 1964 November 25-28

Zetes Expedition 1966
Box 12, Folder 4 General information and reports 1966
Box 12, Folder 5 Correspondence 1956 December - 1966 July
Box 12, Folder 6 Deck log and notes 1966
Box 12, Folder 7 Publicity 1966
Box 12, Folder 8 Photographs 1966

General

Japanese deep submersible Yomiuri-Go, R/V Argo and expedition personnel.

WRITINGS

Box 12, Folder 9 Cultural Requirements and Metabolism of the Brucella Group - Doctoral dissertation 1931 October 28
Box 12, Folder 10 "Special Report to President’s Office on the Accomplishments of The Scripps Institution of Oceanography" 1946 July 12

General

With an addition by Harald Ulrik Sverdrup.
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<td>12</td>
<td>&quot;Occurrence and Importance of Bacteria in Indonesian Waters&quot;, <em>Journal for Scientific Research</em> 1952 January</td>
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<td>13</td>
<td>&quot;The Occurrence of Bacteria in the Deep Sea and Their Significance for Animal Life&quot;, <em>Biology International</em> 1954</td>
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<td>15</td>
<td>&quot;Barophilic Bacteria in Some Deep Sea Sediments&quot;, <em>Journal of Bacteriology</em> 1957 April</td>
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<td>16</td>
<td>&quot;Observations on Seaweeds Along the New Zealand Coast&quot; 1957</td>
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<td>17</td>
<td>&quot;Some Impressions of Seaweeds in Tasmania&quot; 1957</td>
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<td>19</td>
<td>&quot;Introduction to Marine Microbiology&quot; 1959</td>
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<td>&quot;Thermal Changes Accompanying the Compression of Aqueous Solutions to Deep-Sea Conditions&quot;, <em>Limnology and Oceanography</em> 1959 October</td>
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<td>22</td>
<td>Humitake Seki and Claude E. ZoBell. &quot;Microbial Assimilation of Carbon Dioxide in the Japan Trench&quot; 1967 August</td>
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<td>&quot;Magnitude of Earthquakes and the Richter Scale&quot; ca. 1984</td>
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<td>Claude E. ZoBell and Jean Switzer ZoBell. &quot;Purposeful Peregrinations in New Zealand and Australia, 1957&quot; 1986 August</td>
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<td>&quot;Microbial Life in the Deep Sea&quot; undated</td>
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**PHOTOGRAPHS & SLIDES**

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<td>Ships ca. 1952</td>
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<td>Work at sea undated</td>
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<td>7</td>
<td>ZoBell, Claude E. ca. 1930 - 1980</td>
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<td>8</td>
<td>Glass color slides ca. 1938</td>
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* http://library.ucsd.edu/dc/object/bb1024940g
* http://library.ucsd.edu/dc/object/bb5803139w
* http://library.ucsd.edu/dc/object/bb9728090d

**General**

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