

Accession No.: 1996-006
Collection No: SMC 70

Scripps Institution of Oceanography Archives
PROCESSING RECORD

Robert Siple Arthur Papers, 1940-1989

Physical Description: .4 linear ft. (2 archives boxes, and 2 map case folders)

Digital Content: Selected materials from this collection have been digitized. Search the UC San Diego Digital Library website <http://library.ucsd.edu/dc/> using the search phrase "Robert Siple Arthur"

Description: Papers of physical oceanographer Robert S. Arthur which largely document his career as a professor of oceanography at the Scripps Institution of Oceanography. The collection includes course notes for UCLA Meteorology 103, SIO Oceanography 110 (1956, 1961), 210 (1948-1949), 210b, and 211 (1951), a small amount of correspondence, and extensive notes on students of oceanography 1938-1959 apparently collected for a Report by The Committee on Education and Recruitment of the American Society of Limnology and Oceanography in 1960.

The collection also contains teaching notes and lists of Ph.D. committees on which Dr. Arthur served. The collection contains over a hundred color and black and white slides, including images of the campus of Scripps Institution of Oceanography and UC San Diego, SIO expeditions including Shellback (July-August 1952), and Friday Harbor taken in 1950.

The collection includes several photographs, including a snapshot of Walter Munk and Harald Sverdrup in academic dress. The donor loaned an original negative of Cleve Burke and Robert S. Arthur, c1946 and two portrait photographs of Robert S. Arthur in naval uniform for copying. The collection includes a copy of a color caricature of Harald Sverdrup labeled "J. Parilla, Seville, XXIX." The original of this item, signed "To Robert S. Arthur with thanks for years of collaboration from HU Sverdrup" and the original portrait photographs of Robert S. Arthur were returned to the donor.

The collection includes four cloth survival charts prepared by Harald Sverdrup during World War II under contract with the Army Air Force. Color copy prints were made (see container list, Box 2) and scans are available through the UC San Diego Digital Library Website (see container list for links). These charts have also been referred to as "waterproof handkerchiefs" as pilots are said to have worn the silk charts as scarves. Briefly, in 1942, Capt. Eddie Rickenbacker's plane was downed over the Pacific and his rescue was delayed by the difficulty of locating survivors at sea. The Army Air Force initiated a contract with the Scripps Institution of Oceanography to prepare a series of pilot charts of Pacific areas annotated with information on currents which could be printed on silk and stowed in life boats to help meet such emergencies. The Air Sea Rescue Agency approved search procedures over oceans and indicated that the cloth survival charts were used successfully on many occasions in the Pacific.

Robert Siple Arthur Papers, 1945-1981

BOX	FLD	FOLDER TITLE
1		RSA Personal, n.d.
		RSA Personal, 1944-1979
		RSA Personal, 1981-1989
		RSA Correspondence, 1950-1988
		RSA Signed and Annotated Reprints, 1940-1950
		RSA Signed and Annotated Reprints, 1954-1957
		RSA Signed and Annotated Reprints, 1962-1981
		RSA Notes, Oceanography 110, 1956
		RSA Teaching Notes, Introduction to Physical Oceanography #110, 1961 Fall
		RSA Notes for Course 210B, Physical Oceanography, n.d.
2		RSA Wave Notes Course 211 (Walter Munk), UCLA Meteorology 103 Notes, n.d.
		RSA Class Notes for a Course in Ocean Waves #211, 1951
		RSA Notes on Teaching, 1949-1967
		RSA Beta Spiral Notes, Stommel & Schott, 1979
		RSA Student Committees, 1950-1953
		Summary, Students Majoring in Physical Oceanography, 1938-1955
		Recruitment Report Statistics for SIO, 1938-1970
		Color copy print of a caricature of Harald Sverdrup signed by J. Padrilla, c1946
		8x10 color copies (on paper) of silk cloth survival charts
		RSA slides (no captions listed, folders 10 and 12)
		RSA Slides, Friday Harbor, 1950 (Slide Captions Listed Below)
		<ul style="list-style-type: none">• June 1950. Cantilever Pier• June 1950. Cottages at Friday Harbor• June 1950. Lab Buildings• June 1950. Lab 6• July 4, 1950. Woods at Friday Harbor• July 4, 1950. Fishing boat and lab beyond• July 4, 1950. Mail boat and Brown Island

- July 6, 1950. Oceanography Class on the "ONCHY," Waldichuck, Wang, Burtner, Ayres, Barnes, Carlson
- July 6, 1950. 1026 PST. View to East Toward Alden Pt., Patos Is. of Boundary
- July 6, 1950 1030 PST. Water Boundary Looking Toward East Pt., Saturna Is. Rough water
- July 11, 1950. Cleve Van Hersleus Skipper on HYDA and Winch Assembly.
- July 11, 1950 0900. U.S. Army FS-210 at Lab Dock after Bringing Panel on Oceanography
- July 11, 1950 1030 PST. Tide rips looking south toward middle channel
- July 11, 1950 1035 PST. Rips and Boils in middle channel between Deadman and Goose Islands. Flood Current 2-3 Knots from Onchy
- July 11, 1950 1040 PST. Whirlpool, boils, rips in middle channel from ONCHY
- July 11, 1950 1700 PST. Turn Island and Ware of Onchy
- July 11, 1950 1700. Cantilever Pier and Turn Is. - Note slicks
- July 11, 1950. Heavy Grab Sampler Ready for Lowering
- July 21, 1950. 3 FT. Mud Core from South of East Sound
- July 21, 1950. Coring Device
- July 21, 1950. Cleve's HYDA
- July 21, 1950. HYDA approaching dock
- July 21, 1950 Kuellenberg Type
- July 21, 1950. Grab Sampler "Ready"
- July 21, 1950 1136 PST. Grab Sampler on Deck and Release of Sample
- July 21, 1950 1138 PST. Grab Sample from 50f between Lawson Reef and Smith Island Shell and Coarse Mud
- July 21, 1950 1140 PST. Emery Type Sampler in "Ready" position
- July 29, 1950. View of Onchy From Dock
- July 29, 1950 1430 PST. McConnell Is. Yellow Is. Jones Is. Orcas from Heaven-Note slicks
- July 30, 1950 1030 PST. View Toward West and Victoria Across Haro Strait, View from Near Lime Kiln Light
- July 30, 1950 1030 PST. Slicks Across Haro St. from near Lime Kiln Windblown Douglas Fir
- July 30, 1950 1030 PST. Slicks to North from Near Lime Kiln
- July 30, 1950, 1030 PST. View of slicks to south from Near Lime Kiln Light Haro Strait Tide Ebbing from N. to S. at 1-2 Knots
- July 30, 1950, 1030 PST. Windblown Fir Haro Strait from Lime Kiln Region
- July 30, 1950 1500 PST. Yellow Island from "Heaven."
- July 30, 1950 1500 PST. Harvey Channel from "Heaven."
- July 30, 1950 1500 PST. Jones Island Toward Boundary Pass from "Heaven" Note current patterns
- July 30, 1950 1600 PST. View of Lab Dock
- July 30, 1950 1600 PST. Ferry "Klickitat" and Mt. Baker from Cantilever
- August 2, 1950 1000 PST 11' Mud Core Depth of 16f off Rosario, East Sound Frank Wang on HYDA

- August 4, 1950. Urchins and Star Fish at Friday Harbor
- August 4, 1950 0900 PST. Vertical Velocity Meter in still water off U. of W. Lab Dock
- August 4, 1950 0915. Cliff Barnes With BT [bathythermograph] on HYDA off cattle PT
- August 4, 1950 1300 PST. Lowering Current Cross 60' Line Attached to Buoy
- August 4, 1950 1320 PST. Buoy Drifting with Deep Cross off Salmon Bank LT. Current 1 Knot to N.W. Note Wake Current Pole showed Spc. Current on 1 Knot to SW
- August 7, 1950 The Steam Engine
- August 7, 1950 Thomas G. Thompson, Jr.'s Steamboat at Lab Dock Note Fuel!
- August 8, 1950 1120 PST Current Pattern in San Juan Chan. Viewed from Near Cantilever toward Shaw Island wind 7mph-E-Anemograph
- August 9, 1950 1200 PST. Line of Vortices viewed from Cantilever to south wind 9-10mph, SSE
- August 11, 1950. Vertical Velocity Meter and Mike Waldichuck
- August 11, 1950. 1530 PST. Vertical velocity Meter in Tide Rip of TURN Light during Flood Current
- August 12, 1950, 1730. Fishing boats at F.H.
- August 12, 1950 1630. Madronna Tree in San Juan Park
- August 16, 1950 1630 Ferry "NISQUALLY" As Viewed from Lab 6

Map Case Folders

Folder 1: A laminate-type instruction sheet titled "The Use of Cloth Survival Charts in the Navigation of Rubber Rafts," with instructions, diagrams, etc.
<http://library.ucsd.edu/dc/object/bb72026005>

Cloth survival charts:

- Chart C-44. Borneo, North (Winter); verso Chart C-43 Mindanao Island (Winter)
 - <http://library.ucsd.edu/dc/object/bb56326201>
 - <http://library.ucsd.edu/dc/object/bb35848216>
- Chart C-860 Bintan Island (Summer & Winter); verso Chart C859, Penang Island.
 - <http://library.ucsd.edu/dc/object/bb2253754v>
 - <http://library.ucsd.edu/dc/object/bb4642849m>
- Chart S12-2-36 Caroline Is., Central (Summer & Winter); verso S12-17 Marianas Is.
 - <http://library.ucsd.edu/dc/object/bb4847631v>
 - <http://library.ucsd.edu/dc/object/bb0308339k>

- Chart S12-2-40 Caroline Is., Western (Winter & Summer); verso S12-2-20 Palau Is. Area & N.W. New Guinea.
 - <http://library.ucsd.edu/dc/object/bb8977358t>
 - <http://library.ucsd.edu/dc/object/bb00011743>

Folder 2: Sketch of Donald Duck (possibly a photocopy?) Approximately legal-sized.

A photocopy of a 'gag' achievement award addressed to Robert Arthur, by the "Society for the Investigation of Non-Gastronomical Characteristics of the Grunion," acknowledging his excellence in handling "slippery fish." Approximately legal-sized.