

Accession No.: 2007-11

PROCESSING RECORD  
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

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Richards, Adrian F. 1929-

Adrian F. Richards Papers, 1949-1988

Physical Description: 2 manuscript boxes and approx. 1,000 35mm slides in slide case

Description

The accession consists largely of slides, photographic prints, negatives and other papers of marine geologist Adrian F. Richard. The accession includes images of Boqueron (Barcena) volcano in Mexico, the subject of Richard's doctoral dissertation, images of ships, expeditions, oceanographic instruments, and other images taken or collected by Richards for use in lectures and publications.

Biography: Adrian F. Richards was born in Worcester, Massachusetts, April 1, 1929. He got a B.S. from University of New Mexico 1951 and a Ph.D. in oceanography from Scripps Institution of Oceanography in 1957. He worked in academia, industry and the U.S. Navy as an oceanographer, submarine geologist and management consultant until his retirement in 1988. He published over 170 articles and participated in expeditions to most of the oceans of the world on ships, submersibles and aircraft.

Oceanography—History  
Submarine Geology—Archives

SIO MC# 103

**Adrian F. Richards**

**Papers, 1949 - 1988**

**Accession Number 2007-11**

**BOX**

1

**FOLDER TITLE**

Negatives, 1982

Negatives, n.d.

Negatives, n.d.

Isla Clarion, Pub #8, Richards

Isla Socorro, Isla Revillagigedo, Richards, Pub #8

Alijos Rocas (Rocles), Nov. 53 (West of Baja, CA.)

Vol. acoustics, Pub #34, Richards

Dr. T. Hirst, Univ Ill, Dept CE & Marine Geotech Lab, see #77

Special core stopper, dev. For Richards? Mar. geotech work, mid 1960's? Univ. Illinois

Lab Mar. Geot., Lehigh U, Probes aboard Deep Quest, see 96

2<sup>nd</sup> Generation  $\delta$ -Probe, sys on Alvin, operated by elect. motor, see 78, Richards photo

Best, Classic, results of in-situ sheer strength, NOAA ship "Researcher"?, Gulf of Mexico? Richards operating probe in water ca 2km deep, first "natural" shear strength, 2 remolder " ", 3 midor, 1960's

Adrian ?, Hap Gladfeller ,?, ?

Feb 1946, Myojin Sho deeps

See #80, Deep Quest, pub 96, 113, late 70's

Example of Computer-generated summary of geotech. Info, dev. By J.M. Parks, Lehigh U. for A.F. Richards, pub 120, maybe others?

In-Situ vane testing machine, see Richards, #76,79

**BOX**

1

**FOLDER TITLE**

In-situ probe systems dev. for use in Deep Quest & Alvin by Marine Geotech. Lab, Lehigh Univ., Mech. Eng. Ted Ferry, in photo late 1970's? pub 80

Norwegian Geotech., Inst gas-operated, Seafloor sampler, see #52

Ship probably "Alaminos", TAMU

Picture X-ray equip in Richards' geotech. lab., U. Illinois, #71?, Inside Ba-concrete room, a machine for automatically translating & rotating core, X-ray Radiograph through PVC core tube showing gastropod shell

Info used by A.F. Richards when he designed the nuclear-transmission indent used for deepsea res, bib #71, 80, etc, late 1960's

Richards (pictured) with micro-crystalline wax bath he invented for retaining moisture in core samples

Ex. Gas blow-out next to oil platform, where, what, when, etc?, A.F. Richards

Lehigh Univ, Marine Geotech, lab piezometer system being deployed on USGS contract off Miss. Delta in mid-1980's, A.F. Richards, pub 121, 126

See # 78, Alvin, 86?, 88, 90, 92 etc

1<sup>st</sup> Gen  $\delta$ -probe, Alvin, MGL, Lehigh U, Richards

2<sup>nd</sup> Gen  $\delta$ -probe, Alvin, MGL, Lehigh U

A.F. Richards, GH Keller, "Plastic-bbl coret", features a shroud, easily removable weights and an external core catcher, see biblio #15, Ca 1959

Marine Life from Deep Quest, Off San Diego, Late 1970's, Lehigh-Lockheed program, Marine geotech. Invest.

2

Volcan Barcena, Isla San Benedicto

Pub 125, AF Richards in photo

Standard Naval Hydrographic office piston corer, Richards in foreground

**BOX**

2

**FOLDER TITLE**

See Pub 174

Hydroplastic corer, with easy detach. Weights and standard core nose

Misc., no other info, Richards

Richards' 4-bbl corer with external core catchers in 2-bbl mode. PVC tubes sharpened on one end to 5 degrees and top terminated with a self-adjusting rubber stopper, mid 1980's, Lehigh univ. Marine Geotechnical lab, AF Richards photo

Sound-Velocity probe of German hydrographic inst. Kiel, Germany, offshore tech conf., ?, 65

Richards, see 61,71, or from Ken Preiss, Pub. (unknown date)

1 Aug -12 Aug, 1952, birth of volcan, Barcena, maybe for DVD