

Accession No.: 85-04

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Van Dyke, Gilbert Rusk, III 1943-1982

Gilbert Rusk Van Dyke III Papers, 1959-1982

BULK DATES: 1968-1982

PHYSICAL DESCRIPTION: 2 record center cartons

DESCRIPTION: Gilbert Rusk Van Dyke III worked at Scripps Institution of Oceanography from 1968 until his death in 1982. His candidacy for the doctoral degree was approved in 1980 and he was working on his dissertation at the Visibility Laboratory under the supervision of his doctoral committee chairman Seibert Quimby Duntley. The Van Dyke Papers consist largely of notes and data connected with his oceanographic studies and proposals, radiative transfer, optical instrumentation, remote sensing, and drafts and notes concerning his dissertation, "Natural Light Field in the Upper Layers of the Sea: A Study of Their Diffuse Optical Properties." The collection also includes papers concerning SIO and TRW.

GILBERT RUSK VAN DYKE III
Papers, 1959-1982
Accession Number 85-04

BOX	FOLDER TITLE
	NOTES, REFERENCES AND OTHER PAPERS
1	Papers, n.d.
	Papers, n.d.
	Notes, n.d.
	Notes, n.d.
	Notes, n.d.
	Notes, n.d.
	Notes, n.d.
	Notes, n.d.
	Reading Notes, n.d.
	Reading Notes, n.d.
	Notes from Papers, n.d.
	References, n.d.
	[References, Card File, n.d.]
	Important Reference Data, n.d.
	Review Data, n.d.
	Review Notes, n.d.
	Reviewed, n.d.
	Review Papers, n.d.
	Optical Papers
	Two-Flow Models, [Reading Notes], n.d.

BOX**FOLDER TITLE****NOTES, REFERENCES AND OTHER PAPERS (cont.)**

- 1 Two-Flow Related [Reading Notes], n.d.
Notes, 1973-1974
Papers, 1975-1982
Notes, 1978
Notes, 1978

PAPERS CONCERNING DISSERTATION

- [Thesis notes, n.d.]
[Thesis notes, n.d.]
Workbook I, n.d.
Presentation, no good, n.d.
[Radiance Light Research Proposal, n.d.]
a*/b* calculations, n.d.
[Research Project Notes, n.d.]
Thesis Proposal, n.d.
[Proposal, n.d.]
Proposal, Points, n.d.
Proposal writeup [for doctoral dissertation], n.d.
Proposal writeup [for doctoral dissertation], n.d.
Chapter on Optical Sensors, n.d.
Small Angle, Approx., 1972
Write Ups, 1974-1975

BOX**FOLDER TITLE****PAPERS CONCERNING DISSERTATION (cont.)**

- 1 [Thesis Research Notebook, c1975]
Vis Lab 0 (0) plots, Van Dyke Program, 1975
Old [Proposal], 1975
Review (Proposal), March 1975
Proposal, 1977
Proposal notes, "good," 1980
b ' (0) Filters, 1980
Qualifying Examination Handout, 1980
Proposal Guidelines, 1980-1983

LABORATORY NOTEBOOKS

- [Untitled notebook, reading notes, n. d.]
[Untitled notebook, reading notes, n. d.]
[Untitled notebook, reading notes, n. d.]
Notebook, n.d.
Instrument notebook, Mechanical, n.d.
Instrument notebook, Electrical, n.d.
Past Projects Experiments Notebook, n.d.
Natural Day Light, October 1, 1974

SUBJECT FILES

- 2 Air-Sea, Reflectance, n.d.
AOS Seminars, n.d.

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

2

Hugh Bradner, c1980

Computer Nomenclature, notes, n.d.

Contrast Transmittance, n.d.

Correspondence, 1974-1980

Old Correspondence Capital 77, Spherical Irradiance Collector, 1977

Depth-Pressure Sensors, n.d.

Dimension Analysis

DISTRI Program Outputs, n.d.

Program DISTRI, 1973-1974

Dynamical Oceanography [Eckart Notes, 1959]

FOR [Foundation for Ocean Research] Proposal, ["The Development of a New Optical Instrumentation Technique," 1979-1982]

Chris Garrod, 1980-1981

GASM, 1975

Gary Gilbert, 1980

Hydrologic Optics Data, n.d.

Instrument Design, notes, n.d.

Ishimara, n.d.

Light and Biology [notes], 1969

Ocean Dynamics, n.d.

General Oceanography, n.d.

Ocean Optical Properties, n.d.

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

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Optics, Reflectance, notes, n.d.

Hydrologic Optics Data, n.d.

Hydrologic Optics Models, n.d.

Making Fisheye Lens, n.d.

Integrating Sphere vs. Direct PMT, n.d.

Patents, n.d.

Rudolph W. Preisendorfer, "Principles of Hydrologic Optics," Chapter 8, mss., n.d.

R.W. Preisendorfer, "Lectures on Radioactive Transfer in the Sea," mss., n.d.

R.W. Preisendorfer, "Volume I, Lectures on Photometry, Hydrological Optics, Atmospheric Optics," Visibility Laboratory, Fall 1953

Radiance Data, n.d.

Radiative Transfer, [Student notes, 1969]

Remote Sensing, n.d.

Remote Sensing, n.d.

Remote Sensing/Models, Notes, n.d.

Satellite Photos [Landsat], 1981

SIO Remote Sensing Facility, n.d.

Resume, March 1982

Lost Estimate to Luis Vega [San Clemente Island Data Collection Study], 1982

San Clemente Island Waves and Currents Proposal, 1982

BOX**FOLDER TITLE****SUBJECT FILES (cont.)**

2

San Clemente Island Wave/Current Proposal, 1982

San Clemente Island Wave/Current Proposal, 1982, Interstate Proposal

Scripps Institution of Oceanography, 1977-1981

SIO Papers, 1979-1982

Sea Surface Optics, 1971

Scattering, n.d.

Notes on Scattering, n.d.

[Raymond] Smith - Post-Doc, 1977

Suspended Material, n.d.

Technical Information, n.d.

Terms and Symbols, n.d.

TRW Optical Fibers, n.d.

[TRW Memoranda, 1981-1982]

U/W Optical Instruments, n.d.

U/W Optics & oceanography, notes, n.d.

USC Work, n.d.

Visibility, n.d.

Visibility Laboratory Computer System notes, n.d.