

Smith, Hampton D. Collection

Hampton D. Smith Collection,
1974-1990



Title Statement

Smith, Hampton D. Collection Hampton D. Smith Collection, 1974-1990 Ms.2012.079

Author: Adrienne Glenney, Student Assistant, and Kira A. Dietz, Archivist

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specref@vt.edu
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Profile Description

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Descriptive Summary

Unit ID

Ms.2012.079

Unit Date

1974-1990

Language

English .

Abstract

The Hampton D. Smith Collection, consists of a collection of papers, raw data, presentations, and laboratory notes pertaining to Dr. Hampton D. Smith's work in the Virginia Tech Chemistry Department from 1974 to 1990.

Creator

Smith, Hampton D.

Extent

3 Cubic Feet 2 boxes; 2 oversized folders

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Access Restrictions

Collection is open for research.

Use Restrictions

Permission to publish material from the Hampton D. Smith Collection must be obtained from Special Collections, Virginia Tech.

Acquisition Information

The Hampton D. Smith Collection was acquired by Special Collections in 2007.

Processing Information

The processing, arrangement, and description of the Hampton D. Smith Collection was completed in January 2013.

Preferred Citation

Researchers wishing to cite this collection should include the following information: Hampton D. Smith Collection, Ms2012-079, Special Collections, Virginia Tech, Blacksburg, Va.

Scope and Content

The Hampton D. Smith Collection collection contains research and lab tests pertaining to the formation of undiscovered carboranes and nitriles created by Smith and other collaborators. The collection contains raw data spanning a period of over fifteen years (1974-1990), and several formal proposals pertaining to theories developed from that data. The correspondence in this collection is primarily between Smith and chemists at other prominent universities and colleges, and discuss the possible theories regarding the synthesis and formation of carboranes.

Keywords

Faculty and staff

Chemistry

Chemists

Virginia Polytechnic Institute and State University (1970-)

Arrangement

The collection is organized by type (research data, charts, notebooks). Within each type, files are organized alphabetically by folder title. Original folder titles were retained whenever possible.

Description of Subordinate Components

ACiO + CaCO₃ Unknowns

box-folder 1 (box)

Container 1 (folder)

Article Reprints (3 folders)

box-folder 1 (box)

Container 2-4 (folder)

Alfred P. Sloan Foundation

box-folder 1 (box)

Container 5 (folder)

American Chemical Society Meeting, 12 March 1978, Anaheim CA

box-folder 1 (box)

Container 6 (folder)

American Chemical Society Paper, 3 August 1976, San Francisco, CA

box-folder 1 (box)
Container 7 (folder)

Boron Nitrate- Review Paper

box-folder 1 (box)
Container 8 (folder)

Boron Papers

box-folder 1 (box)
Container 9 (folder)

BX3/Nitriles

box-folder 1 (box)
Container 10 (folder)

Carboranes: Article Reprints and Notes

box-folder 1 (box)
Container 11 (folder)

Carborane Papers

box-folder 1 (box)
Container 12 (folder)

Correspondence, University of South Carolina

box-folder 1 (box)
Container 13 (folder)

Five Coordinate Nickel Complexes of 12, Bis(diphenylphosphine)

box-folder 1 (box)
Container 14 (folder)

Galbraith Laboratories- Analyses

box-folder 1 (box)
Container 15 (folder)

Hydrogen Storage- Carboranes

box-folder 1 (box)
Container 16 (folder)

Infrared Data- Arsenic Carborane

box-folder 1 (box)
Container 17 (folder)

Inorganic Synthesis

box-folder 1 (box)
Container 18 (folder)

Investigation of the HCl-NO₂-CO-Ni₂t System, A Possible Catalytic Route for the Conversion of HCl to COCl₂

box-folder 1 (box)
Container 19 (folder)

Mass Spectrometer Data**box-folder** 1 (box)**Container** 20 (folder)**National Science Foundation****box-folder** 1 (box)**Container** 21 (folder)**Polymers Derived from 1, 2 -BI5 (Mercapto), Carboranes and Isocyanates****box-folder** 1 (box)**Container** 22 (folder)**Proposal Data (2 folders)****Unit Date** 1979**box-folder** 1 (box)**Container** 23-24 (folder)**Proposal Data, Carboranes (2 folders)****box-folder** 1 (box)**Container** 25-26 (folder)**Proposal Data- National Science Foundation****Unit Date** 1981**box-folder** 1 (box)**Container** 27 (folder)**Proposal: "A Study of Carbon-Based Ligan Transition Metal Complexes"****box-folder** 1 (box)**Container** 28 (folder)**Proposal Data****Unit Date** 1978**box-folder** 1 (box)**Container** 29 (folder)**Proposal Data****Unit Date** 1973**box-folder** 1 (box)**Container** 30 (folder)**Proposal Data- VPI****Unit Date** 1973**box-folder** 1 (box)**Container** 31 (folder)**Proposal Copies- National Science Foundation****Unit Date** 1980**box-folder** 1 (box)**Container** 32 (folder)

Proposal- 8 January**Unit Date** 1978**box-folder** 1 (box)**Container** 33 (folder)**Research Data (3 folders)****box-folder** 1 (box)**Container** 34-36 (folder)**Research****Unit Date** 1974**box-folder** 1 (box)**Container** 37 (folder)**Research Notes****Unit Date** 1974**box-folder** 1 (box)**Container** 38 (folder)**Research****Unit Date** 1975**box-folder** 1 (box)**Container** 39 (folder)**Research****Unit Date** 1976-1977**box-folder** 1 (box)**Container** 40 (folder)**Research****Unit Date** 1979**box-folder** 1 (box)**Container** 41 (folder)**Research Data****Unit Date** 1980**box-folder** 1 (box)**Container** 42 (folder)**Research Data****Unit Date** 1982**box-folder** 1 (box)**Container** 43 (folder)**Research****Unit Date** 1983**box-folder** 1 (box)**Container** 44 (folder)

Syntheses and Crystallographic Characterization of Heterocarbons

box-folder 1 (box)

Container 45 (folder)

Synthesis, Characterization, and Selected Reactions of $(\text{Ni}(\text{CH}_3\text{CN})_6)(\text{BCl}_4)_2$

box-folder 1 (box)

Container 46 (folder)

Thallium Paper

box-folder 1 (box)

Container 47 (folder)

VPI and S.U. Chemistry Departments (2 folders)

box-folder 2 (box)

Container 1-2 (folder)

1, 2, Bi5 (Marcapto)-o-carbonate

box-folder 2 (box)

Container 3 (folder)

5 Coordinate Research

Unit Date 1977

box-folder 2 (box)

Container 4 (folder)

(Cl3 PO BCl) Data

Unit Date 1976

box-folder 2 (box)

Container 5 (folder)

IR Spectrum Charts

Unit Date 1964

box-folder 2 (box)

Container 6 (folder)

IR Spectrum Charts (2 folders)

Unit Date 1965

box-folder 2 (box)

Container 7-8 (folder)

IR Spectra Data (2 folders)

oversize 1-2 (folder)

NMR Spectra

Unit Date 1983

box-folder 2 (box)

Container 9 (folder)

The Synthesis and Reactions of 1,2,(2-substituted-1,3,2)

box-folder 2 (box)

Container 10 (folder)

The Synthesis and Chemistry of Same Monocarbon and Dicarbon Metallcarboranes

box-folder 2 (box)

Container 11 (folder)

Laboratory Research Notebook, Glenn F. Hermann, Hampton D. Smith

box-folder 2 (box)

Container 12 (folder)

Laboratory Research Notebook, Dr. John Petty

box-folder 2 (box)

Container 13 (folder)

Laboratory Research Notebook, Boron Chemistry, 1982

box-folder 2 (box)

Container 14 (folder)

Laboratory Research Notebook, Research III, Dr. John Petty

box-folder 2 (box)

Container 15 (folder)

Laboratory Notebook, Boron Research I, Dr. John Petty

box-folder 2 (box)

Container 16 (folder)

Research Notebook, H.D. Smith (2 folders)

box-folder 2 (box)

Container 17-18 (folder)