

# 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

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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 + CaCO<sub>3</sub> 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 Complex of 12, Bi5(dyphenylphosphine)**

**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-NO<sub>2</sub>-CO-Ni<sub>2</sub>t System, A Possible Catalytic Rout for the Conversion of HCl to COCl<sub>2</sub>**

**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)

## **(Cl<sub>3</sub> 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 Some 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)