



Field (Frank H.) papers

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Summary Information

Repository:	Rockefeller Archive Center
Creator - aut:	Field, F. H. (Frank Henry)
Title:	Frank H. Field papers, Rockefeller University Faculty
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Preferred Citation

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Biographical/Historical note

Frank H. Field (1922-), Camille and Henry Dryfus Professor at the Rockefeller University, headed the laboratory of physical chemistry and mass spectrometry. Dr. Field was a leader in the field of mass spectrometry and the study of reactions, energetics, and kinetics of gaseous ions.

Starting in 1972, with funds from the National Institutes of Health, his laboratory provided mass spectrometry services to biomedical workers and institutions in the New York metropolitan area.

In his early work in the petroleum industry, Dr. Field helped advance the analysis of materials of potential economic significance through the use of low-voltage mass spectrometry and chemical ionization mass spectrometry.

Dr. Field received his B.S. (1943), M.S. (1944) and Ph. D. (1948) degrees in chemistry from Duke University. From 1952-1962, he worked with the Humble Oil and Refining Co. and the Esso Research and Development Company. During 1963-1964, Dr. Field was a John Guggenheim Fellow at the University of Leeds. He received a faculty appointment at the Rockefeller University in 1970 and became Dryfus professor in 1988. Dr. Frank H. Field retired in 1989.

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Scope and Contents note

Correspondents include Wilbur Burnaby, Hyp J. Dauben, Jr., Vernon Dibeler, William Doering, A.A. Draeger, Mark G. Inghram, Frederick W. Lampe, W.F. Libby, Einar Lindholm, F.P. Lossing, Fred L. Mohler, R.S. Mullikan, R.I. Reed, and Henry M. Rosenstock.

Subjects include chemical ionization mass spectrometry, gaseous anion chemistry, Humble Oil, reversible reactions of gaseous ions, reaction kinetics, reactions of gaseous ions, and peptide sequencing.

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Arrangement note

Arranged in chronological and in alphabetical order.

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File Plan note

Former Classification: I 450 F454

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Administrative Information

Publication Statement

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Revision Description

Revised 1990 June 8 by Lee Hitzik. Paper finding aid converted to EAD/XML by AureXus in 2010. Imported into the Archivists' Toolkit by Becky Robbins. 1990, 2010

Conditions Governing Access note

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Controlled Access Headings

- Cell and biomolecular sciences
- Chemistry
- Biochemistry
- Mass spectrometry
- Rockefeller Institute for Medical Research
- Rockefeller University

Collection Inventory

Reprints, 1946-1988

Physical Description: 1.32 Cubic Feet

Arrangement note

Arranged in chronological order.

Title/Description	Instances	
The Vapor Pressures of Some Organic Fluorides, J. of Am. Chem. Soc., 68 (1946) : 2649-2650, 1946 August 10	box 1	folder 1
The Absorption Spectra of Certain Nickel (II) and... J. of Am. Chem. Soc., 72 (1950) : 4232-4235, 1950 February 13	box 1	folder 2

The Ionization Potential of Cyclopropane... J. of Chem. Phys., 18 (1950) : 1122-1123, 1950 May 29	box 1	folder 3
A New Calculation of the Latent Heat of... J. of Chem Phys., 19, no. 6 (1951) : 793, 1951 April 10	box 1	folder 4
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Some Aspects of the Dissociation of Benzene... J. of Chem. Phys., 21, no. 11 (1953) : 2082-2083, 1953 August 14	box 1	folder 9
Electron Impact Studies of Some... J. of Chem. Phys., 22, no. 11 (1954) : 1895-1904, 1953 September 15	box 1	folder 10
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Gas Phase Ionic Reactions, Methane and Ethylene, J. of Am, Chem. Soc., 78 (1956) : 5697, 1956 September 14	box 1	folder 12
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Hydroxyl Ion Negative CIMS... Anal. Chem., 51 (1979) : 272-178, 1978 August 4	box 3	folder 9
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Gaseous Anion Chemistry. Hydrogen-Deuterium... J. of Am. Chem. Soc., 45 (1980) : 3483-3492, 1980 May 6	box 3	folder 15
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Physical Description: 5.28 Cubic Feet

Arrangement note

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Calcotte, H.F., 1963		
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Ceskoslovenska Akademie, 1959		
Chalmers, J., 1954		
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Doering, William, 1957-1958		
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National Science Foundation, 1956 1962		
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Smith, Noyes D., Jr., 1958		
Speairs, Mitchell, 1955		

Spokes, G. Neil, 1961		
Steiner, Bruce, 1960		
Stescie, E.W.R., 1960		
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Svec, Harry J., 1958		
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Texas Academy of Science, undated		
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Turner, Richard B., 1957		
University of New South Wales, 1962		
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