



Field (Frank H.) papers

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Summary Information

Repository:	Rockefeller Archive Center
Creator:	Rockefeller Institute for Medical Research
Creator - aut:	Field, F. H. (Frank Henry)
Creator:	Rockefeller University
Title:	Frank H. Field papers, Rockefeller University Faculty
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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

This collection is open for research.

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Controlled Access Headings

- Cell and biomolecular sciences
- Chemistry
- Biochemistry
- Mass spectrometry
- Rockefeller Institute for Medical Research
- Field, F. H. (Frank Henry)
- Rockefeller University

Physical Characteristics and Technical Requirements

Materials requiring specialized equipment for access (film, audio, video, slides) may be closed to research dependent on availability of the applicable equipment

Brittle or damaged items, or materials otherwise in need of preservation care, may be closed to researchers at the discretion of the RAC Head of Archival Services/Head of Reference.

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Collection Inventory

Reprints, 1946-1988

Physical Description: 1.32 Cubic Feet

Arrangement note

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Title/Description	Instances	
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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
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The Energies of Strained Carbonium Ions, J. of Chem. Phys., 21, no. 3 (1953) : 550-551, 1953 January 5	box 1	folder 8
Some Aspects of the Dissociation of Benzene... J. of Chem. Phys., 21, no. 11 (1953) : 2082-2083, 1953 August 14	box 1	folder 9
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Benzene Production in the Radiation... J. of Phys. Chem., 68 (1964) : 1039-1047, 1963 October 12	box 1	folder 36

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Correlation between Exothermicity Rate and... J. of Am. Chem. Soc., 100 (1978) : 1356-1359, 1977 March 22	box 3	folder 3
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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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Cholest-5-ene-3B, 26-diol: Synthesis... Biomed. Mass Spect., 9, no. 2 (1982) : 61-63, 1981 January 14	box 3	folder 19
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Arrangement note

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Physical Description: 0.88 Cubic Feet

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Anderson, J.A., Jr., 1954		
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Applied Physics Corporation, 1957		
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Atkins, Marc, 1964		
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Barton, Henry A., 1956		
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Brandt, Preston L., 1958		
Brown, A.E., 1964		
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Calcotte, H.F., 1963		
Cameron, Thomas B., 1952		
Carlson, T.A., 1962		
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Ceskoslovenska Akademie, 1959		
Chalmers, J., 1954		
Cloyd, W. P, 1953		
Collin, Jacques E., 1963		
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Doering, William, 1957-1958		
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Fineman, Morton A., 1962		
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Holcomb, H.A., 1960		
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Magat, M., 1956		
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National Science Foundation, 1956 1962		
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Padgett, A.R., 1957		
Page, F.M., 1962-1964		
Paulson, J.F., 1961		
Peterson, E.H., 1963		
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Robinson, Charles F., 1956		
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Schulz, G.J., 1960		
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Shriner, Ralph L., 1955		
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Slack, Wayne A., 1964		
Smith, Noyes D., Jr., 1958		
Spears, 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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Tal'Rose, V.L., 1962		
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Taylor, Archibald L., Jr., 1952		
Texas Academy of Science, undated		
Thomas, L.I., 1963		
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Thyme, John, 1964		
Tickner, A.W., 1961-1962		
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Tribble, Robert, 1860		
Tuffly, B.L., 1958		
Tunncliff, Lizabeth G., 1955		

Turner, Richard B., 1957		
University of New South Wales, 1962		
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Wahrhaftig, Austin L., 1963-1964		
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Custodial History

Added to the collection, March 2006.

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