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Guide to the Ramon B. Hoff Papers 1950-1980



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Descriptive Summary

Identifier	ICU.SPCL.HOFFRB
Title	Hoff, Ramon B. Papers
Date	1950-1980
Size	3.5 linear feet (7 boxes)
Repository	Hanna Holborn Gray Special Collections Research Center University of Chicago Library 1100 East 57th Street Chicago, Illinois 60637 U.S.A.

Abstract Ramon Brewster Hoff (1935-2016) was a University of Chicago graduate and physicist. The Papers contain Hoff's course notes, assignments, and exams, research notes, dissertation materials, published writings, and a collection of articles and lectures written by others. The bulk of the material dates from 1957 to 1969, during his doctoral study and research at the University of Chicago.

Information on Use

Access

The collection is open for research.

Citation

When quoting material from this collection, the preferred citation is: Hoff, Ramon B. Papers, [Box #, Folder #], Hanna Holborn Gray Special Collections Research Center, University of Chicago Library

Biographical Note

Ramon (Ray) Brewster Hoff was born on June 25th, 1935 in Pennsylvania. Ramon Hoff received his A.B. in physics from Harvard University in 1957, S.M. in physics from the University of Chicago in 1958, and Ph.D. in Physics from the University of Chicago on September 4th, 1970, while teaching at DePaul University, Illinois. Hoff married Gloria Thelma Albuerne (1930-2003), another doctoral student in physics at the University of Chicago, and together they have two children. Ramon Hoff died on August 3rd, 2016 in Chicago, Illinois.

Scope Note

The Ramon B. Hoff Papers are organized into four series:

Series I: UNIVERSITY OF CHICAGO

This series contains course notes, assignments, and exams from Hoff's coursework, centering around 1957-1958, his first year of graduate school. It also contains Hoff's thematically organized notes and papers related to his program of study. It also contains drafts, notes, lists of reference, and charts for Hoff's doctoral dissertation titled "Baryon Coupling Regularities," as well as a copy of the dissertation itself. The dissertation was orally defended on February 22nd, 1968, and provisionally accepted pending major revisions. The first subseries is organized chronologically and by course number.

Series II: RESEARCH NOTES

This series contains Hoff's research notes, which are mostly manuscript and occasionally typed. The original organization of these notes has not been changed, and the titles of the original folders, when present, are preserved as well.

Series III: WRITINGS BY HOFF

This series contains research articles written by Hoff, either as single author or collaboratively with his wife. It also contains the editorial correspondence related to his 1969 article published in *Physics Review Letters*.

Series IV: WRITINGS BY OTHERS

This series contains research articles, conference proceedings, lectures, dissertations, and reports by others in Hoff's papers, the vast majority of which are related to his own research. The exception is a 1959 article by Paul K. Alkon on the melody of speech, on which is handwritten "For Ramon & Thelma from Paul." These writings are grouped by author last names or, on a few occasions and following Hoff's own organization, by the name of the laboratory to which all authors are affiliated. The bulk of this series dates from the 1960s.

Related Resources

Subject Headings

- Hoff, Ramon B.
- Nambu, Yoichiro, 1921-2015

- University of Chicago. Department of Physics
- Physics

INVENTORY

Series I: University of Chicago

Subseries 1: Coursework

Box 1

Folder 1

Math 261 - Set Theory and Metric Spaces, Typescript Notes, 1950.

Box 1

Folder 2

Math 261 - Set Theory and Metric Spaces, Exams, n.d.

Box 1

Folder 3

Physics 323 - Advanced Electrodynamics I (Wentzel), Notes, Autumn 1957.

Box 1

Folder 4

Physics 323 - Advanced Electrodynamics I (Wentzel), Assignments, Autumn 1957.

Box 1

Folder 5

Math 261, Phys 323, Phys 361, and Chem 261, Notebook 1 of 3, Autumn 1957.

Box 1

Folder 6

Math 261, Phys 323, Phys 361, and Chem 261, Notebook 2 of 3, Autumn 1957.

Box 1

Folder 7

Math 261, Phys 323, Phys 361, and Chem 261, Notebook 3 of 3, Autumn 1957.

Box 1

Folder 8

Physics 236 - Structure of Matter II (Lawson), Mid-Quarter Quiz, Feb. 14, 1958.

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Physics 236 - Structure of Matter II (Lawson), Final Exam, Mar 19, 1958.

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Physics 316 - Mathematical Physics III, Notes, Winter 1958.

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Physics 316 - Mathematical Physics III, Notebook, Winter 1958.

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Physics 316 - Mathematical Physics III, Mid-Quarter Exam, Feb. 18, 1958.

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Physics 316 - Mathematical Physics III, Final Exam, Mar. 18, 1958.

Box 1

Folder 14

Physics 324 - Advanced Electrodynamics II (Wentzel), Notebook, Winter 1958.

Box 1

Folder 15

Physics 341 - Quantum Mechanics I (Dalitz), Notes, Winter 1958.

Box 1

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Physics 341 - Quantum Mechanics I (Dalitz), Notebook, Winter 1958.

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Folder 17

Physics 341 - Quantum Mechanics I (Dalitz), Assignments, Winter 1958.

Box 1

Folder 18

Physics 342 - Quantum Mechanics II (Dalitz), Notebook (with Physics 341 material), Spring 1958.

Box 1

Folder 19

Physics 342 - Quantum Mechanics II (Dalitz), Assignments, Spring 1958.

Box 2

Folder 1

Math 264 - Lebesgue-Stieltjes Integrals (Brauer), Notebook, Spring 1958.

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Math 264 - Lebesgue-Stieltjes Integrals (Brauer), Exam, May 15, 1958.

Box 2

Folder 3

Physics 352 - Statistical Mechanics (Dalitz), Notebook 1 of 2, Autumn 1958.

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Physics 352 - Statistical Mechanics (Dalitz), Notebook 2 of 2, Autumn 1958.

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Folder 5

Physics 352 - Statistical Mechanics (Dalitz), Assignments, Autumn 1958.

Box 2

Folder 6

Physics 466 - Meson Physics (Schein), Notebook, Autumn 1959.

Box 2

Folder 7

Physics 486 - Dispersion Theory (Oehme), Notes, 1962.

Box 2

Folder 8

Physics 411 - Solid State (Lawson), Notes, n.d.

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Folder 9

Physics 411 - Solid State (Lawson), Notebook, n.d.

Box 2

Folder 10

Physics 411 - Solid State (Lawson), Assignments, n.d.

Box 2

Folder 11

Solid State (Schrieffer), Notes, n.d.

Box 2

Folder 12

Assignments, n.d.

Subseries 2: General

Box 2

Folder 13

Basic Program and Types of Problems, n.d.

Box 2

Folder 14

Answers to Problems. W. J. Moore, Physical Chemistry, 2nd ed, n.d.

Box 2

Folder 15

Notes on Charles Kittel, Introduction to Solid State Physics, n.d.

Box 2

Folder 16

Notes on Enrico Fermi, Thermodynamics, n.d.

Box 2

Folder 17

Notes on Dirac Equations, n.d.

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Notes on Relativity, n.d.

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Folder 19

Notes on Functionals and Variation, n.d.

Box 2

Folder 20

Notes on Atomic Physics, n.d.

Box 2

Folder 21

Notebook on Thermodynamics etc., n.d.

Box 2

Folder 22

Problem Sets for Undergraduate Courses, c. 1964

Box 2

Folder 23

In Memoriam, Ralph Estes, 1958.

Subseries 3: Dissertation

Box 3

Folder 1

Dissertation, Revised Oct. 3, 1968.

Box 3

Folder 2

Partial Draft One, n.d.

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Partial Draft Two, n.d.

Box 3

Folder 4

List of References, n.d.

Box 3

Folder 5

Tables, n.d.

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Folder 6

Thesis Calculations, Summer 1968.

Series II: Research Notes

Box 3

Folder 7

Dispersion Relations, n.d.

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Quantum Field Theory, Dispersion Relations, n.d.

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Resonance Phenomena, n.d.

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$5/2+$ Resonances, n.d.

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f/d , n.d.

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Table Captions, Computations, n.d.

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Resonances with Good Data, n.d.

Box 3

Folder 14

Status of the $3/2-$ Octet, n.d.

Box 3

Folder 15

New York Talk, Jan. 1966.

Box 3

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Uncorrected Data Calculator, circa 1964.

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Charts and Computations, n.d.

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Folder 18

New York, 1963.

Box 4

Folder 1

Notes and Computations One, n.d.

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Notes and Computations Two, n.d.

Box 4

Folder 3

Unfinished Business, n.d.

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Folder 4

Miscellaneous Calculations, n.d.

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Folder 5

Coupling Relations, n.d.

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Folder 6

Part of paper, n.d.

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Folder 7

Notes and Computations, n.d.

Box 4

Folder 8

Eightfold Way, Mass-Mixing, Okudo Tensor, n.d.

Box 4

Folder 9

High Vacuum Physics References, 1980.

Box 4

Folder 10

Speculation

Series III: Writings by Hoff

Box 4

Folder 11

With G. T. Hoff. Evidence for a $T=1/2$ $S=0$ Resonance Near 1.5 BeV/c, Jan 1966.

Box 4

Folder 12

Study of Higher Baryon Resonances, Part I: Text, Oct. 1967.

Box 4

Folder 13

Study of Higher Baryon Resonances, Part II: Tables, Figures, References. Oct. 1967.

Box 4

Folder 14

Baryon Coupling Regularities, Drafts, Jan. 1969.

Box 4

Folder 15

Baryon Coupling Regularities, Editorial Correspondence, Mar. 13, 1969.

Box 4

Folder 16

Baryon Coupling Regularities, Reprints from Phy. Rev. Letters, May 12, 1969.

Series IV: Writings by others

Box 4

Folder 17

Alexander, G. et al., Sep. 14, 1964.

Box 4

Folder 18

Alkon, Paul K. Joshua Steele and the Melody of Speech. Jul.-Sep. 1959.

Box 4

Folder 19

Anderson, P. L. et al., Apr. 24, 1962.

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Folder 20

Armenteros R. et al., 1965-1967.

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Folder 21

Arnold, Richard C. 1962.

Box 5

Folder 1

Arnold, R. C. and J. J. Sakurai, Jun. 1962.

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Arnold, R. C. and Charles Vossler, Jul. 1969.

Box 5

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Auerbach, L. B. et al., n.d.

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Folder 4

Bareyre P. et al., Sep. 1, 1965.

Box 5

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Barger V. and D. Cline, n.d.

Box 5

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Barmawi, M., May 1967.

Box 5

Folder 7

Behrends, R.E. et al., Jan. 1962.

Box 5

Folder 8

Belyakov V. A. et al., Aug. 1965.

Box 5

Folder 9

Branden B. H. et al., Nov. 15, 1965.

Box 5

Folder 10

Brookhaven National Laboratory, n.d.

Box 5

Folder 11

Buschhorn G. et al., Jun. 22, 1967.

Box 5

Folder 12

Carruthers, P., Jul. 1963.

Box 5

Folder 13

CERN (European Organization for Nuclear Research), 1962-1967.

Box 5

Folder 14

Comitato Nazionale per L'Energia Nucleare, Jun. 22, 1967.

Box 5

Folder 15

Cooper, W.A. et al., 1963.

Box 5

Folder 16

Dalitz, R. H. and R. G. Moorhouse, Jan. 15, 1965.

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Davies, J. D. et al., n.d.

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Deans, S. R. and W. G. Holladay, n.d.

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Folder 19

Dodson, Peter N., 1966.

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Folder 20

Donnachie, A. et al., Oct. 1, 1965.

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Folder 21

Donohue, John Thomas, 1967.

Box 6

Folder 1

Ebel, M. E. and P. B. Jones, circa 1966.

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Eden, Richard J., 1961.

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Ernest O. Lawrence Radiation Laboratory, 1963-1967.

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Erwin, A. R. et al., Apr. 16, 1962.

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Freund, Peter G. O. and Yoichiro Nambu, Jun. 1964.

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Gell-Mann, Murray, Feb. 1, 1962.

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Gillespie, John, Jul. 1967.

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Hoehler G and J. Giesecke, Sep. 15, 1964.

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Hoff, G. T., 1964-1967.

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Islam, M. M., Mar. 1967.

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Jaffe, Arthur M., Dec. 29, 1966.

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James, Phillip B., n.d.

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Leveque A. et al., Aug 1, 1965.

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Levy-Leblond, Jean-Marc., Sep. 1968.

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Mandelstam, S., Jun 27, 1958.

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McLeod, D., 1967.

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Minami, Shigeo, 1966-1967.

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Musgrave B. et al., 1965.

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Nambu, Yoichiero and J. J. Sakurai., Apr. 1963.

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Neville, Donald E.. Sep. 1962.

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Noyes, H. Pierre et al., Feb. 1967.

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Oehme, Reinhard, 1961-1962.

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Okubo, Susumu, 1962-1963.

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Rajasekaran G., n.d.

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Rush, J. E. and W. G. Holladay, Jan. 21, 1966.

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Rutherford High Energy Laboratory, 1964-1967.

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Sakurai, J. J., 1961-1969.

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Sakurai, J. J. and A. Wattenberg, Mar. 1967.

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Session Proceedings on Baryon Resonance, n.d.

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Sharp, R. T., May 19, 1967.

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Stodolsky, L., 1964-1967.

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Folder 10

Swart, J. J. and G. Dullemond, Mar. 1962.

Box 7

Folder 11

Virasora, M.A., Nov. 1968.

Box 7

Folder 12

Wangler T. P. et al., Jan. 25, 1965.