



Uhlenbeck (George E.) papers

This finding aid was produced using ArchivesSpace on September 18, 2015.

Rockefeller Archive Center

15 Dayton Avenue

Sleepy Hollow 10591

archive@rockarch.org

URL: <http://www.rockarch.org>

Table of Contents

| | |
|---|----|
| Summary Information | 3 |
| Biographical/Historical note | 3 |
| Arrangement note | 4 |
| File Plan note | 4 |
| Administrative Information | 4 |
| Controlled Access Headings | 5 |
| Physical Characteristics and Technical Requirements | 5 |
| Collection Inventory | 5 |
| Biographical Material | 5 |
| Correspondence | 6 |
| Subject Files | 16 |
| Manuscripts, Speeches, Seminars, Lecture Notes | 19 |
| Notebooks | 20 |
| Uhlenbeck Reprints | 22 |
| Reprints of Contemporary Physicists | 25 |

Summary Information

| | |
|----------------------------------|--|
| Repository: | Rockefeller Archive Center |
| Creator - aut: | Uhlenbeck, George Eugène, 1900-1988 |
| Creator - ctb: | Goudsmit, Samuel Abraham, 1902- |
| Creator - ctb: | Pais, Abraham |
| Creator: | American Physical Society |
| Title: | George E. Uhlenbeck papers, Rockefeller University Faculty |
| ID: | FA125 |
| Date [inclusive]: | 1925-1988 |
| Physical Description: | 11.44 Cubic Feet |
| Language of the Material: | English |

Preferred Citation

Information regarding the Rockefeller Archive Center's preferred elements and forms of citation can be found at <http://www.rockarch.org/research/citations.php>

[^ Return to Table of Contents](#)

Biographical/Historical note

George Uhlenbeck was born in Batavia, Dutch East Indies' (today Jakarta, Indonesia) in 1900 and died on October 31, 1988 in Boulder, Colorado. He received his Ph. D. degree in 1927 from the State University of Leyden in the Netherlands. While pursuing his graduate studies, he collaborated with Samuel A. Goudsmit in the discovery of the electron spin phenomenon. This concept of an electron's characteristic spin angular momentum about a specific axis has proved to be a cornerstone of basic atomic theory. Uhlenbeck's later research was primarily concerned with the statistical and kinetic theory of the equilibrium and non-equilibrium phenomena of physical systems.

Dr. Uhlenbeck joined the University of Michigan faculty in 1927 and was named professor of theoretical physics in 1939 and Henry Cahart University Professor of Physics in 1954. He served as professor of theoretical physics at the University of Leiden from 1935 to 1939. During World War II, he worked at the Radiation Laboratory at the Massachusetts Institute of Technology. In 1961 he joined the faculty of

Rockefeller University where he helped to establish the University's distinguished theoretical physics faculty. He retired from Rockefeller University in 1974 but continued his interest in physics, serving as both mentor to younger physicists and as an appraiser for articles submitted to scientific journals.

Among Dr. Uhlenbeck's many honors were the Max Planck Medal of the German Physical Society (1964), the National Medal of Science (1977) and the co-recipient of the Wolf Prize (1979). He received honorary degrees from Rockefeller University (1976), Notre Dame University (1953), Case Institute (1960), the University of Colorado (1968) and Yeshiva University (1969). He was elected a member of the National Academy of Sciences in 1955. He was also a member of the American Philosophical Society, the American Academy of Arts and Sciences, the American Association for the Advancement of Science and the American Physical Society, serving as president from 1959-1960.

[^ Return to Table of Contents](#)

Arrangement note

Arranged in chronological and alphabetical order.

[^ Return to Table of Contents](#)

File Plan note

Former Classification: I 450 U600

[^ Return to Table of Contents](#)

Administrative Information

Publication Statement

Rockefeller Archive Center

15 Dayton Avenue

Sleepy Hollow 10591

archive@rockarch.org

URL: <http://www.rockarch.org>

Revision Description

Paper finding aid converted to EAD/XML by AureXus in 2010. Imported into the Archvists' Toolkit by Becky Robbins. 6 August 2010

Conditions Governing Access note

This collection is open for research.

[^ Return to Table of Contents](#)

Controlled Access Headings

- Statistical mechanics
- General relativity (Physics)
- Physics
- Uhlenbeck, George Eugène, 1900-1988
- Goudsmit, Samuel Abraham, 1902-
- Pais, Abraham
- American Institute of Physics
- Strauss, Lewis L.
- American Physical Society
- 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.

[^ Return to Table of Contents](#)

Collection Inventory

| | |
|--|-------|
| Biographical Material, 1961-1989, undated | box 1 |
|--|-------|

Physical Description: 0.4 Cubic Feet

Scope and Contents note

Subjects include curriculum vitae, honors received, bibliographical lists or articles, books, reviews, lectures and speeches, obituaries, American Physical Society memorial services and archival copies of photographs.

Arrangement note

Arranged in alphabetical order.

| Title/Description | Instances | |
|--|-----------|-----------|
| Biographical Material, undated 1961 1964 1967 1970 1974-1975 1977 1979 1983 1989 | box 1 | folder 1 |
| Biographical Material-List of Dr. Uhlenbeck's Articles in Journals, undated | box 1 | folder 2 |
| Biographical Material-List of Dr. Uhlenbeck's Books and Reviews, undated | box 1 | folder 3 |
| Biographical Material-List of Books that Dr. Uhlenbeck reviewed, undated | box 1 | folder 4 |
| Biographical Material-List of Published Lectures and Speeches, undated | box 1 | folder 5 |
| Biographical Material-List of Widely Circulated and Partially Published Reports and Lecture Notes, undated | box 1 | folder 6 |
| Honors, Awards | box 1 | folder 7 |
| Obituaries, 1988 | box 1 | folder 8 |
| American Physical Society Memorial Symposium in Memory of G. E. Uhlenbeck, 1988-1989 | box 1 | folder 9 |
| Personal correspondence, 1961-1962 1964 1966 | box 1 | folder 10 |
| Else Uhlenbeck Correspondence (wife), 1985-1989, undated | box 1 | folder 11 |

[^ Return to Table of Contents](#)

Correspondence, 1943-1988, undated

Physical Description: 2.8 Cubic Feet

Scope and Contents note

Includes personal and professional correspondence. Correspondents include Samuel Goudsmit, A. Pais, Eugene Wigner and H. Woolf which include his memories of Einstein in Leiden.

Arrangement note

Arranged in alphabetical order by correspondent name.

| Title/Description | Instances | |
|--|------------------|-----------|
| Aaserud, Finn, 1980 | box 2 | folder 1 |
| Abramovici, Alex, 1976 | box 2 | folder 2 |
| Abrams, Al, 1978 | box 2 | folder 3 |
| Adair, Robert K., 1979 | box 2 | folder 4 |
| Adomian, George, 1961-1962 1964-1965 1982 | box 2 | folder 5 |
| American Journal of Physics, 1966 1969-1973 | box 2 | folder 6 |
| Amsterdam-Rotterdam Bank, 1974 | box 2 | folder 7 |
| Araki, Huzihiro, 1974 | box 2 | folder 8 |
| Aulick, F. C., 1976 | box 2 | folder 9 |
| "B" Name Letter Correspondence | box 2 | folder 10 |
| Belkin, Samuel, 1975 | box 2 | folder 11 |
| W. A. Benjamin, Book Publishers, 1961-1962 1965 | box 2 | folder 12 |
| Bethe, Hans, 1975 | box 2 | folder 13 |
| de Boer, J., 1961 April 1963 | box 2 | folder 14 |
| de Boer, J. May, 1963-1967 1970 | box 2 | folder 15 |
| de Boer, P.C.I., 1967 | box 2 | folder 16 |
| Borowitz, Sidney, 1980 | box 2 | folder 17 |
| Bowen, Dwain B., 1974 | box 2 | folder 18 |
| Brayshaw, David D., 1965-1966 1968 | box 2 | folder 19 |
| Brink, Frank, 1981 | box 2 | folder 20 |
| Brittin, Wesley, 1974 | box 2 | folder 21 |
| Brookhaven National Laboratories, 1961-1963 1965 | box 2 | folder 22 |
| Brown, Laurie M., 1979 | box 2 | folder 23 |
| Burger, J. M., 1961-1964 | box 2 | folder 24 |
| Cantore, Enrico, 1976 | box 2 | folder 25 |
| Carter, Charles C., 1960-1966 | box 2 | folder 26 |
| Case, Kenneth M., 1974 | box 2 | folder 27 |
| Casimir, H. B. G., 1976-1977 | box 2 | folder 28 |
| Chang, N. P., 1978 | box 2 | folder 29 |

| | | |
|---|-------|-----------|
| Chang, T. S., 1965 1969 | box 2 | folder 30 |
| Chen, J., 1976 | box 2 | folder 31 |
| Chen, Wang Min, 1984 | box 2 | folder 32 |
| Choh, Soon Thak, 1967-1968 | box 2 | folder 33 |
| Cohen, E. G. D., 1960-1962 | box 2 | folder 34 |
| Cohen, E. G. D., 1963-1964 1969-1972 undated | box 2 | folder 35 |
| Columbia University, 1974 | box 2 | folder 36 |
| Compagner, A., 1973 | box 2 | folder 37 |
| Corkern, Robert W. Jr., 1979 | box 2 | folder 38 |
| Cowling, T. G., 1972-1973 | box 2 | folder 39 |
| Crane, H. R., 1979 | box 2 | folder 40 |
| "D" Name Letter Correspondence | box 2 | folder 41 |
| Dorfman, J. Robert, 1961-1964 1966 1969-1970 1979 | box 2 | folder 42 |
| Dresden, Max, 1963-1964 1974 1978 1983 | box 3 | folder 1 |
| Duffendack, O. S., 1980 | box 3 | folder 2 |
| Dutta, M., 1973 1975 1978 | box 3 | folder 3 |
| Dvoretzky, Aryeh, 1978 | box 3 | folder 4 |
| "E" Name Letter Correspondence | box 3 | folder 5 |
| Emch, Gerard G., 1968-1969 | box 3 | folder 6 |
| Emrich, Raymond J., 1967 | box 3 | folder 7 |
| Encyclopaedia Britannica, 1960-1961 1967 1969 | box 3 | folder 8 |
| Evan, William M., 1965 | box 3 | folder 9 |
| Evans, Robert W., 1965 | box 3 | folder 10 |
| "F" Name Letter Correspondence | box 3 | folder 11 |
| Fahrney, D. S., 1972 | box 3 | folder 12 |
| Fisher, M., 1968 | box 3 | folder 13 |
| Fiszdon, W., 1971-1972 1974 | box 3 | folder 14 |
| Fixman. Marshall, 1965 | box 3 | folder 15 |
| Foch, James, 1964-1966 | box 3 | folder 16 |
| Foch, James, 1967 | box 3 | folder 17 |
| Foch, James, 1968-1969 1972 1977-1978 undated | box 3 | folder 18 |
| Foldy, Leslie, 1979 | box 3 | folder 19 |

| | | |
|--|-------|-----------|
| Ford, George W., 1961-1965 1967-1971 | box 3 | folder 20 |
| Ford, Joseph, 1972 | box 3 | folder 21 |
| Fowler, Richard G., 1976-1977 1979 undated | box 3 | folder 22 |
| Fox, Ronald F., 1965-1966 | box 3 | folder 23 |
| Fox, Ronald F., 1967-1973 1975-1979 | box 3 | folder 24 |
| Frenkel, V., 1971 | box 3 | folder 25 |
| Frenkiel, Francois, 1960-1962 | box 3 | folder 26 |
| Frenkiel, Francois, 1963-1965 | box 3 | folder 27 |
| Frenkiel, Francois, 1966-1970 | box 3 | folder 28 |
| Frenkiel, Francois, 1971-1974 1977-1978 | box 3 | folder 29 |
| Friedberg, Richard, 1975 | box 4 | folder 1 |
| Friedman, Ephraim, 1979 | box 4 | folder 2 |
| Frohlich, H., 1966 | box 4 | folder 3 |
| Fujita, S., 1966 1976-1978 | box 4 | folder 4 |
| Fuller, Robert, 1965 | box 4 | folder 5 |
| "G" Name Letter Correspondence | box 4 | folder 6 |
| Galison, Peter, 1979 | box 4 | folder 7 |
| Garber, M., 1976 | box 4 | folder 8 |
| Gebbie, H. A., 1971 | box 4 | folder 9 |
| Gerharz, R., 1976 | box 4 | folder 10 |
| Gilde, Hans-George, 1976 | box 4 | folder 11 |
| Gilson, Greyson, 1976 | box 4 | folder 12 |
| Glaser, Donald A., 1962 1976 | box 4 | folder 13 |
| Goldberger, M. L., 1973 | box 4 | folder 14 |
| Goldhaber, Maurice and Trudy, 1979, undated | box 4 | folder 15 |
| Good, R. H. Jr., 1974 | box 4 | folder 16 |
| Gordon, William L., 1979 | box 4 | folder 17 |
| Goudsmit, Samuel A., 1943 1962-1963 1965 1969-1972 1975 1981 | box 4 | folder 18 |
| Greco, Frank, 1980 | box 4 | folder 19 |
| Green, Melville S., 1970-1971 1973 1977 | box 4 | folder 20 |
| Greenspan, Martin, 1974 1976 | box 4 | folder 21 |
| Greider, K. R., 1979 | | |

| | | |
|--|-------|-----------|
| | box 4 | folder 22 |
| Griffith, Wayland C., 1974 1976 | box 4 | folder 23 |
| de Groot, Sybren R., 1961-1965 1968 | box 4 | folder 24 |
| Guernsey, Ralph, 1961-1963 1969 | box 4 | folder 25 |
| Gugelot, P. C., 1973 | box 4 | folder 26 |
| Guggenheim Foundation, 1961-1965 1967 1970 1972-1973 1976 1979 | box 4 | folder 27 |
| Guth, Eugene, 1975 1978 | box 4 | folder 28 |
| Guttman, James, 1974 | box 4 | folder 29 |
| "H" Name Letter Correspondence | box 4 | folder 30 |
| Haidemanakis, E. D., 1970 | box 4 | folder 31 |
| van den Handel, J., 1972-1973 | box 4 | folder 32 |
| Harary, Frank, 1961-1962 1964 1968-1977 | box 4 | folder 33 |
| Havens W. W. Jr., 1979 | box 4 | folder 34 |
| Healy, James, Bruce, 1968 | box 4 | folder 35 |
| Hecht, Charles E., 1961 1963-1964 1968-1969 | box 4 | folder 36 |
| de Heer J., 1980 | box 4 | folder 37 |
| Hemmer, Per C., 1960-1962 | box 4 | folder 38 |
| Hemmer, Per C., 1963 | box 4 | folder 39 |
| Hemmer, Per C., 1964-1965 1969 | box 4 | folder 40 |
| Hendry, John L., 1978 | box 4 | folder 41 |
| Henlein, Lore, 1980 | box 4 | folder 42 |
| Hermans, J. J., 1971-1973 | box 4 | folder 43 |
| Hesketh, Ross, 1978 | box 4 | folder 44 |
| Holton, Gerald, 1964 | box 4 | folder 45 |
| Houston, William V., 1963-1966 | box 4 | folder 46 |
| Hund, Friedrich, 1980 | box 4 | folder 47 |
| Hynes, J. T., 1974-1975 | box 4 | folder 48 |
| International Biographical Center, 1975-1976 | box 4 | folder 49 |
| Jackson, H. W., 1979 | box 4 | folder 50 |
| Jaffe, Robert L., 1981 | box 4 | folder 51 |
| Jancovici, B., 1963 | box 4 | folder 52 |
| Jehle, Herb, 1964 1976 | box 4 | folder 53 |

| | | |
|---|-------|-----------|
| Jost, Res, 1983 | box 4 | folder 54 |
| American Journal of Physics, 1969 1971-1973 | box 4 | folder 55 |
| Journal of Chemical Physics, 1960-1969 | box 4 | folder 56 |
| Journal of Fluid Mechanics, 1971 1980 | box 5 | folder 1 |
| Journal of Mathematical Physics, 1965 1974 | box 5 | folder 2 |
| 'K' Name Letter Correspondence | box 5 | folder 3 |
| Kac., Mark, 1958 1963-1966 1969 1978 | box 5 | folder 4 |
| van Kampen, N. G., 1971 1974 | box 5 | folder 5 |
| Keizer, Joel E., 1973 1975-1976 1978-1979 | box 5 | folder 6 |
| Keller, Frederick J., 1980 | box 5 | folder 7 |
| Kestin, Joseph, 1972-1973 | box 5 | folder 8 |
| Kincaid, John M., 1974-1979 | box 5 | folder 9 |
| Klein, Martin, 1962 1964-1966 | box 5 | folder 10 |
| Klein, Martin, 1968 1970-1972 1979 | box 5 | folder 11 |
| Klein. Oscar, 1965-1966 | box 5 | folder 12 |
| Koch, H. William, 1977 | box 5 | folder 13 |
| Koga, Toyoki, 1979 | box 5 | folder 14 |
| Kohler, Wolfgang, 1968 | box 5 | folder 15 |
| Koninklijke Nederlandse Akademie van Wetenschappen, 1968 1970 | box 5 | folder 16 |
| Konopinski, Emil, 1964 1979 | box 5 | folder 17 |
| Krimm, Samuel, 1980-1981 | box 5 | folder 18 |
| Krisch, A. D., 1978 1980 | box 5 | folder 19 |
| Kursunoglu, Behram, 1975 | box 5 | folder 20 |
| Kurtz, Paul, 1975 | box 5 | folder 21 |
| "L" Name Letter Correspondence | box 5 | folder 22 |
| Lamb, Willis, 1978 | box 5 | folder 23 |
| Landman. U., 1976 | box 5 | folder 24 |
| Landsberger, Frank, 1980 | box 5 | folder 25 |
| Lannutti, Joseph, 1978 | box 5 | folder 26 |
| Leaf, Boris, 1976 | box 5 | folder 27 |
| Lebowitz, Joel L., 1968 | box 5 | folder 28 |
| Leuchtag, H. R., 1976 | | |

| | | |
|---|-------|-----------|
| | box 5 | folder 29 |
| Lieb, Elliot H., 1974 | box 5 | folder 30 |
| Lin, C. C., 1962-1963 | box 5 | folder 31 |
| Lind, David A., 1975-1976 | box 5 | folder 32 |
| Linnett, J. W., 1966 | box 5 | folder 33 |
| Lipschutz-Yevick, Miriam, 1966 | box 5 | folder 34 |
| Lorentzen, Hans L., 1963 | box 5 | folder 35 |
| Lorentzen, Hans L., 1964-1965 | box 5 | folder 36 |
| Lorentzen, Hans L., 1967-1968 | box 5 | folder 37 |
| Lovitts, Hannah W., 1978 | box 5 | folder 38 |
| Lowdin, Per Olav, 1978 | box 5 | folder 39 |
| Luders, G., 1982 | box 5 | folder 40 |
| "M' Name Letter Correspondence | box 5 | folder 41 |
| Macorini, Edgardo, 1978 | box 5 | folder 42 |
| Madden, Edward H., 1975 | box 5 | folder 43 |
| Maric, Z., 1979 | box 5 | folder 44 |
| Maxfield, Robert, 1973 | box 5 | folder 45 |
| Max Planck Institute, 1967-1970 | box 5 | folder 46 |
| Max Planck Institute, 1971 1978-1979 1981 | box 5 | folder 47 |
| Mayer, Joseph E., 1963-1966 | box 5 | folder 48 |
| Mazur, Paul, 1962-1964 | box 5 | folder 49 |
| Mazur, Peter, 1962-1963 | box 5 | folder 50 |
| McCarty, Maclyn, 1983 | box 5 | folder 51 |
| McFarland, Marvin W., 1974 | box 5 | folder 52 |
| McGraw-Hill Book Company, Daniel N. Lapedes, editor, 1978 | box 5 | folder 53 |
| Meeron, Emmanuel, 1960-1961 1963-1964 1968-1969 | box 6 | folder 1 |
| Mehr, Jagdish, 1969 1972 1974-1976 | box 6 | folder 2 |
| Melehy, Mahmoud A., 1974 | box 6 | folder 3 |
| Menaker, Walter, 1968 | box 6 | folder 4 |
| Misra, S. G., 1975 | box 6 | folder 5 |
| Moldauer, Peter, 1976 | box 6 | folder 6 |
| Mondadori Publishing Company, 1973-1974 1976 | box 6 | folder 7 |

| | | |
|---|-------|-----------|
| Moore, William R., 1974 | box 6 | folder 8 |
| Murphy Thomas, 1964-1969 | box 6 | folder 9 |
| Musher, Jeremy I., 1961-1964 | box 6 | folder 10 |
| "N" Name Letter Correspondence | box 6 | folder 11 |
| Nagel, Ernest, 1973 | box 6 | folder 12 |
| National Academy of Sciences, 1966-1967 1979 | box 6 | folder 13 |
| Neumark, Gertrude F., 1967-1968 | box 6 | folder 14 |
| New York Academy of Science, 1980-1981 | box 6 | folder 15 |
| Niels Bohr Institute, 1982 | box 6 | folder 16 |
| Nishina, Yoshio, 1974 | box 6 | folder 17 |
| Noakes, G. R., 1977 | box 6 | folder 18 |
| Nobel Prize, 1964 1969 | box 6 | folder 19 |
| Nonnenmacher, Theo, 1968-1970 | box 6 | folder 20 |
| North Holland Publishing Company, 1961-1964 | box 6 | folder 21 |
| North Holland Publishing Company, 1965-1966 1968-1972 1974 1977 1980 | box 6 | folder 22 |
| O'Neill, Patrick E., 1968-1969 | box 6 | folder 23 |
| Ong, Rudi, 1962-1963 | box 6 | folder 24 |
| Opdahl, R. Brown, 1961 | box 6 | folder 25 |
| Oppenheimer Prize Committee, 1975 | box 6 | folder 26 |
| "P" Names Letter Correspondence | box 6 | folder 27 |
| Pais, Abraham, 1962-1982 | box 6 | folder 28 |
| Pauli, Wolfgang, 1960-1961 | box 6 | folder 29 |
| Perkeris, C. L., 1965 | box 6 | folder 30 |
| Phillipson, Paul E., 1975 | box 6 | folder 31 |
| Physical Review Letters, 1972-1973 1976-1977 | box 6 | folder 32 |
| The Physical Review, 1975 1977 | box 6 | folder 33 |
| Princeton University Press, 1981 | box 7 | folder 1 |
| Pusey, Nathan, 1970 | box 7 | folder 2 |
| Putterman, Seth, 1974-1978 1981 | box 7 | folder 3 |
| Quintas, Louis V., 1965 | box 7 | folder 4 |
| "R" Name Letter Correspondence | box 7 | folder 5 |
| Rajagopal, A. J., 1978 | | |

| | | |
|--|-------|-----------|
| | box 7 | folder 6 |
| Ratliff, Floyd, 1975 | box 7 | folder 7 |
| Reyseger, W., 1962 | box 7 | folder 8 |
| Rittner, E. S., 1961-1967 | box 7 | folder 9 |
| Roper, L. David, 1977-1978 | box 7 | folder 10 |
| Rota, Gian-Carlo, 1974 1979 | box 7 | folder 11 |
| Rothen, Alexandre, 1975 1977 | box 7 | folder 12 |
| Henry Russel Lecture Dinner, 1961-1963 1965-1966 | box 7 | folder 13 |
| Rutgers, A. J., 1964 1974-1975 | box 7 | folder 14 |
| "S" Name Letter Correspondence | box 7 | folder 15 |
| Saar, Robert A., 1975 | box 7 | folder 16 |
| Sabin, John R., 1979 | box 7 | folder 17 |
| Sachs, Mendel, 1967-1968 | box 7 | folder 18 |
| Sands, Richard H., 1979-1980 | box 7 | folder 19 |
| Sapirie, S. R., 1960-1961 | box 7 | folder 20 |
| Sathe, Dileep V., 1976 | box 7 | folder 21 |
| Schensted, Irene V., 1963 1966 1977 | box 7 | folder 22 |
| Schwinger, Julian, 1975 1977 | box 7 | folder 23 |
| Scully, Marian O., 1977 | box 7 | folder 24 |
| Seaborg, Glen T., 1962 | box 7 | folder 25 |
| Segre, Emilio, 1979 | box 7 | folder 26 |
| Seitz, Frederick, 1976 | box 7 | folder 27 |
| Siegal, Armand, 1963-1964 | box 7 | folder 28 |
| Siegert, Arnold J. F., 1961 1964 1970 | box 7 | folder 29 |
| Simmons, R. O., 1974 | box 7 | folder 30 |
| Sloan Foundation, 1970-1971 1973-1974 | box 7 | folder 31 |
| Smith, Alice Kimball, 1979 | box 7 | folder 32 |
| Smith, Sam C., 1975 | box 7 | folder 33 |
| Springer-Verlag, 1973 | box 7 | folder 34 |
| Spruch, Grace M., 1963-1964 | box 7 | folder 35 |
| Stolzenburg, Klaus, 1974 | box 7 | folder 36 |
| Stout, J. W., 1975 | box 7 | folder 37 |

| | | |
|--|-------|-----------|
| Stoyanov, S., 1974 | box 7 | folder 38 |
| Swinney, Harry L., 1976 | box 7 | folder 39 |
| Szu, H. H., 1971 1973-1976 | box 7 | folder 40 |
| Tellegen, B. D. H., 1973 | box 7 | folder 41 |
| Tempeley, H. N. V., 1964 | box 7 | folder 42 |
| Throop, Gerald, 1965-1969 1972 undated | box 7 | folder 43 |
| Trappeniers, N. J., 1972 | box 7 | folder 44 |
| Trigg, George L., 1975 | box 7 | folder 45 |
| Trotter, Robert, 1980 | box 7 | folder 46 |
| Uehling, Edwin A., 1965 | box 8 | folder 1 |
| Union of Concerned Scientists n.d. | box 8 | folder 2 |
| University of Illinois at Champaign-Urbana, 1974 | box 8 | folder 3 |
| The University of Michigan, 1978-1980 | box 8 | folder 4 |
| Van Gleck, J. H., 1977 | box 8 | folder 5 |
| Van Ootjen, D. J., 1964 | box 8 | folder 6 |
| Veltman, M., 1974-1975 | box 8 | folder 7 |
| Verwey, E. J. W., 1961 | box 8 | folder 8 |
| Vineyard, George H., 1980 | box 8 | folder 9 |
| Vogel, J., 1964 | box 8 | folder 10 |
| "W" Name Letter Correspondence | box 8 | folder 11 |
| Wahl, Charles E., 1965 | box 8 | folder 12 |
| Waldman, L., 1972 | box 8 | folder 13 |
| Wang, Cheng Shu, 1956 1972 | box 8 | folder 14 |
| Wannier, G. H., 1965 | box 8 | folder 15 |
| Ward, J. C., 1960 1964 | box 8 | folder 16 |
| Weart, Spencer, 1974-1975 | box 8 | folder 17 |
| Wehausen, John V., 1978-1979 | box 8 | folder 18 |
| Weiner, Charles, 1979 | box 8 | folder 19 |
| Weisskopf, Victor, 1976 | box 8 | folder 20 |
| Wells. Gene L., 1977 | box 8 | folder 21 |
| Wergeland, H., 1966-1967 1972 1979 undated | box 8 | folder 22 |
| Wigner, Eugene P., 1963 | box 8 | folder 23 |

| | | |
|--|-------|-----------|
| Wilder, R. L., 1977 | box 8 | folder 24 |
| Wilson, Robins L., 1976 | box 8 | folder 25 |
| The Wolf Prize, 1979-1981 1984 | box 8 | folder 26 |
| Woolf, Harry, 1978-1979 | box 8 | folder 27 |
| Wu-Ta-You, 1961 1963 | box 8 | folder 28 |
| Yeshiva University, 1962 1965 | box 8 | folder 29 |
| Zaidi, Mumtaz, 1971-1972 1975 1981 | box 8 | folder 30 |
| Ziff, Robert, 1975-1978 1980-1982 | box 8 | folder 31 |
| Zorn, Jens, 1980 | box 8 | folder 32 |
| Miscellaneous Correspondence, 1962 1964 1970 1972 1976 1977 undated | box 8 | folder 33 |

[^ Return to Table of Contents](#)

Subject Files, 1958-1981

Physical Description: 2 Cubic Feet

Scope and Contents note

Subjects include Dr. Uhlenbeck's correspondence as president of the American Physical Society, material related to the controversy over Admiral Lewis B. Strauss' speech before the Society and documents pertaining to the American Institute of Physics and the Institute's efforts to establish a Center for the History of Physics.

Arrangement note

Arranged in alphabetical order by subject.

| Title/Description | Instances | |
|---|-----------|----------|
| Addison-Wesley Publishing Company, 1961 | box 9 | folder 1 |
| Air Force Office of Scientific Research-Office of Aerospace Research, 1961 | box 9 | folder 2 |
| American Institute of Physics, 1959-1960 March | box 9 | folder 3 |
| American Institute of Physics, 1960 June-September | box 9 | folder 4 |
| American Institute of Physics, 1950 October-December | box 9 | folder 5 |
| American Institute of Physics, 1961 January-March | box 9 | folder 6 |
| American Institute of Physics, 1961 May-July 1964 | box 9 | folder 7 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1961-1962 | box 9 | folder 8 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1963-1964 | box 9 | folder 9 |

| | | |
|--|--------|-----------|
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1964 | box 9 | folder 10 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1964-1966 | box 9 | folder 11 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1970-1973 | box 9 | folder 12 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1973 | box 9 | folder 13 |
| American Institute of Physics-A.I.P. Advisory Committee on History and Philosophy of Physics, 1974-1975 | box 9 | folder 14 |
| A.I.P. Center for the History of Physics-Scripts: The Beginning of Nuclear Energy - The Discovery of Nuclear Fission, 1974 | box 10 | folder 1 |
| A.I.P. Center for the History of Physics-Program 3. The Living History of Physics - Tape 1. The Discovery of Nuclear Fission, 1974 | box 10 | folder 2 |
| A.I.P. Center for the History of Physics-Program 3. The Living History of Physics - Tape 2. The Discovery of Nuclear Fission, 1974 | box 10 | folder 3 |
| American Mathematical Society-Res Jost Manuscript, 1963 | box 10 | folder 4 |
| American Physical Society, 1965 1958 January 1959-April 1959 | box 10 | folder 5 |
| American Physical Society, 1959 May-June | box 10 | folder 6 |
| American Physical Society, 1959 June-August | box 10 | folder 7 |
| American Physical Society September, 1959 | box 10 | folder 8 |
| American Physical Society, 1959 October-November | box 10 | folder 9 |
| American Physical Society, 1959 November-December | box 10 | folder 10 |
| American Physical Society, 1960 January-March | box 10 | folder 11 |
| American Physical Society, 1960 April-November | box 10 | folder 12 |
| American Physical Society Divisions Committee, 1959-1960 | box 10 | folder 13 |
| American Physical Society Reorganization Committee, 1958-1959 | box 10 | folder 14 |
| American Physical Society-Strauss Affair, 1959 | box 11 | folder 1 |
| Debye, P., 1965 | box 11 | folder 2 |
| Encyclopaedia Britannica-J. Robert Oppenheimer Article, 1964 | box 11 | folder 3 |
| Extraterrestrial Research Center-NASA Apollo Applications Program, 1966 | box 11 | folder 4 |
| Harvard College Board of Overseers, 1963-1965 February | box 11 | folder 5 |
| Harvard College Board of Overseers June, 1965-1968 | box 11 | folder 6 |

| | | |
|---|--------|-----------|
| Harvard College Board of Overseers-Visiting Committee Meeting, 1965 | box 11 | folder 7 |
| Harvard College Board of Overseers-Visiting Committee Meeting, 1966 | box 11 | folder 8 |
| Harvard College Board of Overseers-Visiting Committee Meeting, 1968 | box 11 | folder 9 |
| Harvard College Board of Overseers-Committee Assignments, 1963-1967 | box 11 | folder 10 |
| Harvard College Board of Overseers-Committee Assignments, 1968-1969 | box 11 | folder 11 |
| Dannie Heineman Prize, 1958-1962 1966 | box 11 | folder 12 |
| International Mathematical Union, 1960-1961 | box 11 | folder 13 |
| International Union of Pure and Applied Physics, 1960-1961 | box 11 | folder 14 |
| International Union of Pure and Applied Physics, 1961-1962 | box 12 | folder 1 |
| International Union of Pure and Applied Physics, 1963-1965 | box 12 | folder 2 |
| Advisory Board for the Interscience Monograph and Tract Series, 1961-1962 1964 1966 | box 12 | folder 3 |
| Koninklijke Nederlandse Akademie van Wetenschappen (Royal Netherlands Academy of Sciences and Letters), 1961-1962 | box 12 | folder 4 |
| Max Planck Medaille-Deutsche Phys. Gesellschaft, Düsseldorf, 1964-1965 | box 12 | folder 5 |
| McGraw-Hill Book Company, 1962-1965 | box 12 | folder 6 |
| National Academy of Sciences, 1961-1963 July | box 12 | folder 7 |
| National Academy of Sciences August, 1963-1965 | box 12 | folder 8 |
| National Academy of Sciences-Minutes, Laws and By-Laws, 1964 | box 12 | folder 9 |
| National Academy of Sciences-Minutes, Laws and By-Laws, 1965 | box 12 | folder 10 |
| National Science Foundation-Project Referee Reports, 1960 1962-1964 | box 12 | folder 11 |
| National Science Foundation-Project Referee Reports, 1966-1973 1975 1977 1981 | box 12 | folder 12 |
| 'The Natural Philosopher', 1962 1965 | box 12 | folder 13 |
| Nordisk Institut for Teoretisk Atomfysik (NORDITA), 1964 1967 | box 12 | folder 14 |
| Optical Society of America, 1965 | box 12 | folder 15 |
| Phillips Research Laboratories Reprint List, 1961 | box 12 | folder 16 |
| Prentice-Hall Inc., 1964 | box 12 | folder 17 |
| Rockefeller Institute-Requests for Appointments to the Faculty, 1965 | box 12 | folder 18 |

| | | |
|--|--------|----------|
| 'Science' - American Association for the Advancement of Science, 1963-1964 | box 13 | folder 1 |
| Science and Technology, 1964 | box 13 | folder 2 |
| John T. Tate Committee, 1964 | box 13 | folder 3 |
| Vereniging van Wis. en Natuurkundige Studenten Voor-Candidaten A-E, 1964 | box 13 | folder 4 |
| The Wheeler Committee, 1962-1966 | box 13 | folder 5 |
| The Wheeler Committee, n.d. | box 13 | folder 6 |
| John Wiley & Sons. Inc.-Interscience Publishers, 1962 1964-1965 | box 13 | folder 7 |
| Zuiver Wetenschappelijk Onderzoek (Z. O. E.) (Netherlands Organization for the Advancement of Pure Research), 1966 | box 13 | folder 8 |

[^ Return to Table of Contents](#)

Manuscripts, Speeches, Seminars, Lecture Notes, 1963-1980, undated

Physical Description: 0.8 Cubic Feet

Scope and Contents note

Includes: Lectures in Statistical Mechanics, Introduction to the General Theory of Relativity and An Outline of Statistical Mechanics.

Arrangement note

Arranged in alphabetical order.

| Title/Description | Instances | |
|---|-----------|----------|
| Mss. Alte und Neue Fragen der Statistischen Mechanik (in English) Speech at the Conference of the German Physical Society, 1964 | box 14 | folder 1 |
| Mss. A. P. S. Meeting. Speech on S. A. Guidsmit's Recent Death, 1979 | box 14 | folder 2 |
| Mss. Book Reviews: The Image of Eternity: Roots of Time in the Physical World, 1980 | box 14 | folder 3 |
| Mss. The Classical Theory of the Critical Phenomena. Conference on Phenomena in the Neighborhood of Critical Points, 1965 | box 14 | folder 4 |
| Mss. The Macroscopic Causality Problem, 1968 | box 14 | folder 5 |
| "Is There A Direction In Time?" National Academy of Science, Seattle | box 14 | folder 6 |
| Mss. On the Origin of the Quantized Vortex Lines in Superficial Helium, undated | box 14 | folder 7 |

| | | |
|---|--------|-----------|
| Mss. On the Van Der Waals Theory of the Vapor-Liquid Equilibrium. II. Discussion of the Distribution Functions. With P.C. Hemmer and M. Kac, undated | box 14 | folder 8 |
| Mss. On the Van Der Waals Theory of the Vapor-Liquid Equilibrium. II. Discussion of the Critical Region. With P.C. Hemmer and M. Kac, 1963 1964 undated | box 14 | folder 9 |
| Mss. An Outline of Statistical Mechanics. Lecture-Noordwyck-Summer, 1967 | box 14 | folder 10 |
| Mss. Some Notes on the Relation Between Fluid Mechanics and Statistical Physics for the Annual Review of Fluid Mechanics, 1978-1979 | box 14 | folder 11 |
| Some Problems in the Kinetic Theory of Dilute Gases. Given at the Sydney Chapman Memorial Lecture, 1972 | box 14 | folder 12 |
| Mss. Some Questions in Statistical Mechanics. The T. H. Berlin Memorial Lecture, 1965 | box 14 | folder 13 |
| Summarizing Remarks - The N.U.P.A.P. Conference on Statistical Mechanics, 1966 | box 14 | folder 14 |
| Mss. SUNY-Symposium on the Future of Biology, 1965 | box 14 | folder 15 |
| 'Van Der Waals Revisited' Universiteit von Amsterdam, 1964 | box 14 | folder 16 |

[^ Return to Table of Contents](#)

Notebooks, 1920-197?, undated

Physical Description: 2.8 Cubic Feet

Arrangement note

Arranged in chronological order with undated items arranged in alphabetical order.

| Title/Description | Instances | |
|--|-----------|----------|
| Brandeis Summer Institute in Theoretical Physics, 1962 | box 15 | folder 1 |
| Fundamental Problems in Statistical Mechanics, undated | box 15 | folder 2 |
| Scope and Contents note | | |
| Lectures delivered at the Centro de Estudios Avanzados del Instituto Politécnico Nacional. Mexico. | | |
| Introduction to the General Theory of Relativity-Aero 595-695, undated | box 15 | folder 3 |

Scope and Contents note

Lectures 1 thru 10.

| | | |
|--|--------|----------|
| Introduction to the General Theory of Relativity-Aero 595-695, undated | box 15 | folder 4 |
|--|--------|----------|

Scope and Contents note

Lectures 11 thru 21.

| | | |
|---|--------|-----------|
| Lectures-Laws of Thermodynamics (1 of 14), undated | box 15 | folder 5 |
| Lectures-Untitled (first page missing 2 of 14), undated | box 15 | folder 6 |
| Lectures-Notes on the Theory of Phase Transitions (3 of 14), undated | box 15 | folder 7 |
| Lectures-Notes: Distribution of Average with Poisson Distribution (4 of 14) | box 15 | folder 8 |
| Lectures-The Spherical Mode for Ferromagnetism (5 of 14), undated | box 15 | folder 9 |
| Lectures-Lectures in Quantum Statistical Mechanics (6 of 14), undated | box 15 | folder 10 |
| Lectures-Untitled. (7 of 14), undated | box 15 | folder 11 |
| Lectures-Untitled. (8 of 14), undated | box 15 | folder 12 |
| Lectures-Ch. 2. The Kinetic Method of Boltzmann (9 of 14), undated | box 15 | folder 13 |
| Lectures-Ch. 6. The Problem of Boltzmann (10 of 14), undated | box 15 | folder 14 |
| Lectures-Ch. 7. The Kinetic Method of Boltzmann (11 of 14), undated | box 15 | folder 15 |
| Lectures-Ch. 8. The Statistical Method of Boltzmann (12 of 14) | box 15 | folder 16 |
| Lectures-Ch. 8. The Statistical Method of Boltzmann (13 of 14), undated | box 15 | folder 17 |
| Lectures-Ch. 9. The Ideas of Gibbs (14 of 14), undated | box 15 | folder 18 |
| Lectures in Statistical Mechanics, 1961-1963 1966 | box 15 | folder 19 |

Scope and Contents note

[For book contract with The American Mathematical Society].

| | | |
|--|--------|-----------|
| Thermodynamics/Statistical Theory. Quantum Mechanics Seminars, 1962-1965 | box 15 | folder 20 |
| University of Colorado, 1965-1967 | box 15 | folder 21 |

[^ Return to Table of Contents](#)

Uhlenbeck Reprints, 1925-1980, undated

Physical Description: 0.8 Cubic Feet

Arrangement note

Arranged in chronological order.

| Title/Description | Instances | |
|--|-----------|-----------|
| Problem v. Durchlit Existentieren-College Droste [English/Dutch], 1920-1921 | box 16 | folder 1 |
| E. Schrodinger-Zur Einsteinische Gastheorie [in Dutch], 1926 | box 16 | folder 2 |
| Maxwell-Theory I., 1927 February | box 16 | folder 3 |
| Maxwell-Theory II, 1927 2nd Semester-1928 | box 16 | folder 4 |
| Aanteekeiningen I. Ann Arbor [Dutch/English], 1928-1930 | box 16 | folder 5 |
| Statistical Mechanics I., 1928 January-June | box 16 | folder 6 |
| Statistical Mechanics II. [English/Dutch], undated | box 16 | folder 7 |
| Statistical Mechanics III. [in Dutch], undated | box 16 | folder 8 |
| Partial Differential Equations. I (Till Christmas 1928), 1928-1929 | box 16 | folder 9 |
| Partial Differential Equations. II (After Christmas 1928), 1928-1929 | box 16 | folder 10 |
| Partial Differential Equations. III, 1929 | box 16 | folder 11 |
| Quantum Electrodynamics. G. E. Uhlenbeck. 1929-30, 2nd Semester, 1929-1930, 2nd Semester | box 17 | folder 1 |
| Fluctuation Theorie, Brownian Motion etc. Summer, 1933 | box 17 | folder 2 |
| Statistical Mechanics IV. Ann Arbor, After '30. Utrecht' 35. [English/Dutch], 1930-1935 | box 17 | folder 3 |
| Ordinary Diff. Equations. N. D. (early thirties), early thirties | box 17 | folder 4 |
| Positron Calculation Quantum Theory Summer, 1933 | box 17 | folder 5 |
| Untitled-II. Ann Arbor-Utrecht. [English/Dutch/German], 1934-1938 | box 17 | folder 6 |
| Untitled. [Notes-in Dutch], 1935-1939 | box 17 | folder 7 |
| Nucleiana - College. [in Dutch], 1935-1936 1936-1937 | box 17 | folder 8 |
| Dirac Theorie. [in Dutch], 1937-1938 | box 17 | folder 9 |
| Electronen en Relativiteitstheorie. [in Dutch], 1937-1938 | box 17 | folder 10 |
| Mechanica. [in Dutch], 1937-1938 | box 17 | folder 11 |

| | | |
|--|--------|-----------|
| Utrecht and Notes for Lectures in Ann Arbor Summer School. [Dutch/English], 1938 | box 18 | folder 1 |
| Cosmic Rays-II. Utrecht and Ann Arbor. [Dutch/English], 1939 January 24 | box 18 | folder 2 |
| IV-Nuclear Physics-Field Theories. Internal Conversion, 1939 September 20 | box 18 | folder 3 |
| Ming Chen Wang [notes]. 'Must be 40s', 1940s | box 18 | folder 4 |
| Statistical Low Temperature Physics VI, 1940 March 28 | box 18 | folder 5 |
| Nuclear Physics VII, Mesomias Elem. Particles. [English/Dutch]. March 1941 (up to '56), 1941 March | box 18 | folder 6 |
| Statistics-Hydrodynamics VIII Esp. Turbulence of Noise, 1942 January | box 18 | folder 7 |
| Statistics-Hydrodynamics VIII Esp. Turbulence of Noise, 1942 January | box 18 | folder 8 |
| Hydrodynamics, Compr. Fluids IX, Electro Magn. Theory, 1942 March | box 19 | folder 1 |
| Statistics-Viral Coefficient, etc., Transport Phenom., Graphs. Dec. (19) 42, 1942 December | box 19 | folder 2 |
| Solids XI, 1943 March | box 19 | folder 3 |
| Non-linear Vibrations XI B. Rad. Lab, 1944 | box 19 | folder 4 |
| Bogolubov's Theory Plasma XII-Stat. Mechanics, 1944 December | box 19 | folder 5 |
| XVII-Superfluids I-Statistics Superconduct.; Superfluidity, 1948 | box 19 | folder 6 |
| Field Theories XIII B, Princeton, 1948 October | box 19 | folder 7 |
| Field Theories XIV, Princeton, 1948 | box 19 | folder 8 |
| Statistical Mechanics-Lecture Notes. I, [circa 1950-1960] | box 19 | folder 9 |
| Statistical Mechanics-Lecture Notes. II, [circa 1950-1960] | box 19 | folder 10 |
| Statistical Mechanics-XV. Transport Phen., H-Theorem, Ergodic Theorem. Apr. (19) 52, 1952 April | box 19 | folder 11 |
| Group Theory I, [circa 1952] | box 19 | folder 12 |
| Group Theory II, Fall 1952 | box 19 | folder 13 |
| Graphs, Combinations. XVI, 1953 May | box 19 | folder 14 |
| Theory of Relativity I, Lecture Notes, 1953-1954 1955-1956 | box 20 | folder 1 |
| Theory of Relativity II, Lecture Notes, 1953-1954 1955-1956 1969 | box 20 | folder 2 |
| Statistical Mechanics Esp. Many Hazy Problems. XIII, 1954 October | box 20 | folder 3 |
| Particles XVIII, Fall 1958 | box 20 | folder 4 |

| | | |
|--|--------|-----------|
| Statistical Mechanics XIX, Plasma's Sound Propagation. Summer, 1959 | box 20 | folder 5 |
| Thermodynamics, R. I. Lectures, 1961-1962 1963-1964 | box 20 | folder 6 |
| Statistical Mechanics XX, Rockefeller Institute. [Dutch/English], 1961 February | box 20 | folder 7 |
| Statistical Mechanics XXI, Rockefeller Institute, 1962 January | box 20 | folder 8 |
| Scope and Contents note | | |
| [Includes correspondence in Dutch]. | | |
| Statistical Mechanics XXII, Rockefeller Institute, 1962 July | box 20 | folder 9 |
| Notes-Quantum Mechanics. Lectures, Rockefeller Institute, 1962-1963 | box 20 | folder 10 |
| Statistical Mechanics XXIII, Rockefeller Institute, 1963 January | box 20 | folder 11 |
| Statistical Mechanics XXIV, Rockefeller Institute, 1965 January-February | box 20 | folder 12 |
| Statistical Mechanics XXV, Rockefeller Institute, 1966 February | box 20 | folder 13 |
| Statistical Mechanics XXVI, Fluctuation Theory, circa 1966 | box 20 | folder 14 |
| Theory of Relativity-Notes III, 1967 January | box 20 | folder 15 |
| Statistical Mechanics XXVIII, Superfluids II. Rockefeller University, 1967 March | box 20 | folder 16 |
| Statistical Mechanics XXIX. Superfluids III. Lecture Notes, University of Colorado. Summer | box 21 | folder 1 |
| Statistical Mechanics XXII. Superfluids IV, circa 1968 | box 21 | folder 2 |
| Statistical Mechanics XXVII, Mainly Kinetic Theory, Rockefeller University, 1969 May | box 21 | folder 3 |
| Scope and Contents note | | |
| [Includes related, correspondence 1973-1974, 1980 in English and Dutch]. | | |
| Statistical Mechanics XXX, Quantum Stat. Mech., Rocke. University, 1970 July | box 21 | folder 4 |
| Statistical Mechanics XXXI Random Processes and Fluctuation Theory, 1971 December | box 21 | folder 5 |
| Aanteekeininge II. Diraciana [English and Dutch], undated | box 21 | folder 6 |
| Anistrophe Media [in Dutch], undated | box 21 | folder 7 |
| Electricity and Magnetism [Dutch and English]. (1 of 2), undated | box 21 | folder 8 |
| Electricity and Magnetism [Dutch and English]. (2 of 2) | box 21 | folder 9 |
| Equations-Untitled, undated | box 21 | folder 10 |

| | | |
|--|--------|-----------|
| Hydrodynamics, [in Dutch], Utrecht?, undated | box 21 | folder 11 |
| Kinetic Theory Problems (with? Robert L. Lewis Jr), undated | box 21 | folder 12 |
| Methode des Particuliere Soluties [Dutch and English], undated | box 21 | folder 13 |
| Notes of Work with Ehrenfest-Later Published in Nedrl. Academie [in Dutch] (1 of 2), undated | box 21 | folder 14 |
| Notes of Work with Ehrenfest-Later Published in Nedrl. Academie [in Dutch] (2 of 2) | box 21 | folder 15 |
| Quantum Mechanics (1 of 2), undated | box 21 | folder 16 |
| Quantum Mechanics (2 of 2), undated | box 22 | folder 1 |
| Randwaardop. by Particle Diff. Verg I, Elliptisch Type (In Dutch), undated | box 22 | folder 2 |
| Randwaard. Problemen by Particle Diff. Verg. II Hyperbolische Type (in Dutch), undated | box 22 | folder 3 |
| Statistical Mechanics II (in Dutch), undated | box 22 | folder 4 |
| Statistical Mechanics III (in Dutch), undated | box 22 | folder 5 |
| Statistische Mecanica, College Ehrenfest, (in Dutch), undated | box 22 | folder 6 |
| Statistische Mecanica, G.E.U. I, College Ehrenfest. [in Dutch], undated | box 22 | folder 7 |
| Statistische Mecanica, G.E.U. II, [in Dutch], undated | box 22 | folder 8 |
| Statistische Mecanica, G.E.U. III, [in Dutch], undated | box 22 | folder 9 |
| Theorie der Verrauelingen [in Dutch], undated | box 22 | folder 10 |
| Thermodynamics, undated | box 22 | folder 11 |
| Notebook-Untitled, Notes state 'Don't know the writing, Notebook bought in Dan Bosch... ', undated | box 22 | folder 12 |
| Untitled-Russian/English Translation and Grammar Notes, undated | box 22 | folder 13 |

[^ Return to Table of Contents](#)

Reprints of Contemporary Physicists, 1934-1966, undated

Physical Description: 0.8 Cubic Feet

Scope and Contents note

Includes lecture notes and articles by Hans Bethe, Richard Feynman, Enrico Fermi and J. Robert Oppenheimer.

Arrangement note

Arranged in alphabetical order.

| Title/Description | Instances | |
|---|------------------|-----------|
| "Ersetzung der Hypothese vom unmechanischen Zwang durch eine Forderung bezüglich des innern Verhaltens jedes einzelnen Electrons" (with S. Goudsmit), Die Naturwissenschaften, [in German] vol. 13, 953-954, 1925 | box 23 | folder 1 |
| "Opmerking over de Spectra van Waterstof in Helium" (with S. Goudsmit), Physica [in Dutch], vol. 5, 266-270, 1925 | box 23 | folder 2 |
| Over een Steelling van Lorentz en Haar Uitbreiding voor Meerdimensionale Ruimten, Physica [in Dutch], vol. 5, 423-428, 1925 | box 23 | folder 3 |
| "Die Kopplungsmöglichkeiten der Quantenvektoren im Atom" (with S. Goudsmit) [in German] vol. 35, 618-625, 1926 | box 23 | folder 4 |
| "On the Connection of Different Methods of Solution of the Wave Equation in Multi-dimensional Spaces" (with P. Ehrenfest) Proceedings Royal Academy Amsterdam, vol. 29, 1280-1285, 1926 | box 23 | folder 5 |
| "Over het Roteerende Electron en de Structuur der Spectra" (with S. Goudsmit), Physica [in Dutch], vol 6, 273-290, 1926 | box 23 | folder 6 |
| "Zum Einsteinschen "Mischungsparaciodoxon" (with P. Ehrenfest). Zeitschrift für Physik [in German] vol. 41, 24-26, 1927 | box 23 | folder 7 |
| "A Problem in Brownian Motion" (with S. Goudsmit), Physical Review, vol. 34, 145-151, 1929 | box 23 | folder 8 |
| "On the Wentzel-Brillouin-Kramers Approximate Solution of the Wave Equation" (with L. A. Young), Physical Review, vol. 36, 1154-1167, 1930 | box 23 | folder 9 |
| "The Value of e/m by Deflection Experiments" (with L. A. Young), Physical Review, vol. 36, 1721-1727, 1930 | box 23 | folder 10 |
| "Brownian Motion of Strings and Elastic Rods" (with G. A. van Lear), Physical Review, vol. 38, 1583-1598, 1931 | box 23 | folder 11 |
| "Transport Phenomena in Einstein-Bose and Fermi-Dirac Gases" (with E. A. Uehling) Physical Review, vol. 43, 552-561, 1933 | box 23 | folder 12 |
| "On the Recombination of Electrons and Positrons" (with Enrico Fermi), Physical Review, vol. 44, 510-511, 1933 | box 23 | folder 13 |
| "Disintegration of Li/6 by Protons and Deutrons" (with Ta You Wu), Physical Review, vol. 45, 553-554, 1934 | box 23 | folder 14 |
| "Spontaneous Disintegration of Proton or Neutron According to the Fermi Theory" (with H. C. Wolfe). Physical Review, vol. 46, 237, 1934 | box 23 | folder 15 |

| | | |
|---|--------|-----------|
| "The Probability of Position in a Canonical Ensemble", Journal of Mathematics and Physics, (M.I.T.) vol. 14, 10-16, 1935 | box 23 | folder 16 |
| "Statistical Energy Distribution for a Small Number of Particles" (with S. Goudsmit). Pieter Zeeman Jubilee Volume, The Hague, Nijhoff, 201-211, 1935 | box 23 | folder 17 |
| "On the Fermi Theory of B-Radioactivity" (with E. J. Konopinski), Physical Review, vol. 48, 7-12, 1935 | box 23 | folder 18 |
| "Higher Order Derivatives in the Interaction "Ansatz" of the Fermi Theory" (with E. J. Konopinski), Physical Review, vol. 48, 107-108, 1935 | box 23 | folder 19 |
| "The Formation of Electron-Positron Pairs by Internal Conversion of Radiation" (with M. E. Rose), Physical Review, vol. 48, 211-222, 1935 | box 23 | folder 20 |
| "Emission of Gamma Radiation during the Beta Decay of Nuclei" (with J. K. Knipp), Physica. vol. 3, 425-439, 1936 | box 23 | folder 21 |
| "Some Kinetic Problems Regarding the Motion of Neutrons through Paraffine" (with L. S. Ornstein), Physica, vol. 4, 478-486, 1937 | box 23 | folder 22 |
| "Het Principe van Behoud van Energie". [in Dutch]. Gravenhage, Martinus Nijhoff, 1-16, 1935 | box 23 | folder 23 |
| "On the Statistical Calculation of the Density of Energy Levels of the Nuclei" (with C. Van Lier), Physica, vol. 4, 531-542, 1937 | box 23 | folder 24 |
| "Note on the Law of Sargent" (with H. Kuiper), Physica, vol. 4, 601-605, 1937 | box 23 | folder 25 |
| "The Quantum Theory of Non-Ideal Gas. II, Behavior at Low Temperatures" (with E. Beth), Physica, vol. 4, 915-924, 1937 | box 23 | folder 26 |
| "Stability of Nuclear Isomers" (with M. H. Hebb), Physica, vol. 5, 605-608, 1938 | box 23 | folder 27 |
| "On the Theory of Cosmic-Ray Showers. I. The Furry Model and the Fluctuation Problem" (with A. Nordsieck and W. E. Lamb, Jr.), Physica, vol. 7, 344-360, 1940 | box 23 | folder 28 |
| "On the Fermi Theory of B-Radioactivity, II. The "Forbidden Spectra" (with E. J. Konopinski). Physical Review, vol. 60, 308-320, 1941 | box 23 | folder 29 |
| "On the Theory of Cosmic-Ray Showers. Further Contributions to the Fluctuation Problem" (with W. T. Scott), Physical Review, vol. 62, 497-508, 1942 | box 23 | folder 30 |
| "On the Transport Phenomena in Rarified Gas-Monograph" (with C. S. Wang Chang), University of Michigan, 1-22, 1948 | box 23 | folder 31 |
| "Diffraction of Shock Waves Around Various Obstacles", Engineering Research Institute, University of Michigan, Ann Arbor, Monograph (1-6) with photographic examples (1-73), 1950 | box 23 | folder 32 |

| | | |
|--|--------|-----------|
| "On Field Theories with Non-Localized Action" (with A. Pais), Physical Review, vol. 79, 145-165, 1950 | box 23 | folder 33 |
| "On the Directional Correlation of Successive Nuclear Radiations" (with D. L. Falkoff), Physical Review, vol 79, 323-333, 1950 | box 23 | folder 34 |
| "On the Beta-Gamma-Angular Correlation" (with D. L. Falkoff), Physical Review, vol. 79, 334-340, 1950 | box 23 | folder 35 |
| "On the Notion of Pressure in a Canonical Ensemble" (with R. J. Riddell Jr.), Journal of Chemical Physics, vol. 18, 1066-1069, 1950 | box 23 | folder 36 |
| "Transport Phenomena in Polyatomic Gases-Monograph" (with C. S. Wang Chang), University of Michigan, 1-46, 1951 | box 23 | folder 37 |
| "Is There a Neutral u-Meson"? (with C. S. Wang Chang), Physical Review, vol. 85, 684, 1952 | box 23 | folder 38 |
| "On the Propagation of Sound in Monatomic Gases- Monograph" (with C. S. Wang Chang), University of Michigan, 1-52, 1952 | box 23 | folder 39 |
| "The Heat Transport Between Parallel Plates As Functions of the Knudsen Number-" Monograph (with C. S. Wang Chang), University of Michigan, 1-32, 1953 | box 23 | folder 40 |
| "On the Theory of the Virial Development of the Equation of State of Monoatomic Gases" (with R. J. Riddell Jr.), Journal of Chemical Physics. vol. 21, 2056-2064, 1953 | box 23 | folder 41 |
| "Transport Verschijnselen in Meer-Atomige Gassen, Natuurkunde" [in Dutch], 329-336, 1955 | box 24 | folder 1 |
| "Combinatorial Problems in the Theory of Graphs. I." (with G. W. Ford), Proceedings of the National Academy of Sciences. vol. 42, 122-128, 1956 | box 24 | folder 2 |
| "Combinatorial Problems in the Theory of Graphs. II. " (with G. W. Ford and R. Z. Norman), Proceedings of the National Academy of Sciences, vol. 42, 203-208, 1956 | box 24 | folder 3 |
| "On the Behavior of Gas Near a Wall-Monograph" (with C. S. Wang Chang), University of Michigan, 1-32, 1956 | box 24 | folder 4 |
| "Reminiscences of Professor Paul Ehrenfest", American Journal of Physics, vol. 24, no. 6, 431-433, 1956 | box 24 | folder 5 |
| "The Symmetry in Time and Other Basic Symmetry Laws of Nature", Michigan Alumnus Quarterly Review, vol. LXIII, No. 10, 50-55, 1956 | box 24 | folder 6 |
| "Some Fundamental Problems in Statistical Physics", Proceedings of the International Congress of Mathematicians, 256-267, 1958 | box 24 | folder 7 |
| "On the Quantum Theory of the Third Virial Coefficient" (with A. Pais), Physical Review, vol. 116, 250-269, 1959 | box 24 | folder 8 |

| | | |
|--|--------|-----------|
| "Some Recent Progress in Statistical Mechanics", Physics Today, vol. 13, no. 7, 16-21, 1960 | box 24 | folder 9 |
| "Part B, the Theory of Linear Graphs with Applications to the Theory of Virial Development the Properties of Values" (with G. W. Ford), Studies in Statistical Mechanics, vol. 1, 1-211, 1962 | box 24 | folder 10 |
| "On the van der Waals Theory of the Vapor-Liquid Equilibrium. II. Discussion of the Distribution Functions" (with M. Kac and P. C. Hemmer), Journal of Mathematical Physics, vol. 4, 229-247, 1963 | box 24 | folder 11 |
| "Is There an Arrow in Time"? Rockefeller Institute Review, vol. 1, no. 2, 10-15, 1963 | box 24 | folder 12 |
| "Alte und Neue fragen der Statistischen Mechanik", Physikertagung [in English], 1-19, 1964 | box 24 | folder 13 |
| "Part B. A Critical Study of Some Theories of the Liquid State including a Comparison with Experiment", (by J. M. H. Leveit And E. G. D. Cohen), J. de Boer and G. E. Uhlenbeck, editors, North Holland Publishing Co. 1-239, 1964 | box 24 | folder 14 |
| "Statistical Mechanics of Equilibrium and Non-equilibrium. On Critical Phenomena in a van der Waals Gas" (with P. C. Hemmer), Proceedings of the International Symposium on Statistical Mechanics of Thermodynamics, Aachen, 241-252, 1964 | box 24 | folder 15 |
| "Part C. The Heat Conductivity and Viscosity of Polyatomic Gases" (with C. S. Wang Chang and J. de Boer), Studies in Statistical Mechanics, vol. II, 243-268, 1964 | box 24 | folder 16 |
| "On the van der Waals Theory of the Vapor-Liquid Equilibrium. III. Discussion of the Critical Region" (with P. C. Hemmer and M. Kac), Journal of Mathematical Physics, vol. 5, 60-74, 1964 | box 24 | folder 17 |
| "van der Waals Revisited" [in Dutch], North Holland Publishing Co., 1-16, 1964 | box 24 | folder 18 |
| "Structure of Statistical Mechanics", Proceedings of the 1966 Midwest Conference on Theoretical Physics, Indiana University, 1-12, 1966 | box 24 | folder 19 |
| "Propagation of Sound in Monatomic Gases" (with J. Foch), Physical Review Letters. vol. 19, 1025-1027, 1967 | box 24 | folder 20 |
| "Gibt Es eine Richtung im Ablauf der Zeit"? Umschau Verlag, Frankfurt [in German], Heft 8, 237-241, 1967 | box 24 | folder 21 |
| "Teaching of Physics of Fluids in U.S. Colleges and Universities" (with Raymond J. Emerich and Howard A. Snyder), American Journal of Physics, vol. 36, no. 10, 886-895 1968) | box 24 | folder 22 |
| "Thermodynamic Equilibrium of Rotating Superfluids" (with S. Putterman), Physics of Fluids, vol. 12. 2229-2236, 1969 | box 24 | folder 23 |
| "Contributions to Non-Equilibrium Thermodynamics. I. Theory of Hydrodynamical Fluctuations" (with R. F. Fox), Physics of Fluids, vol. 13, 1893-1902, 1970 | box 24 | folder 24 |

| | | |
|---|--------|-----------|
| "Contributions to Non-Equilibrium Thermodynamics. II. Fluctuation Theory for the Boltzmann Equation" (with R. F. Fox), Physics of Fluids, vol. 13, 2881-2890, 1970 | box 24 | folder 25 |
| "Some Questions About Quantum Statistical Mechanics", Physica Norvegica. vol. 5, 139-144, 1971 | box 24 | folder 26 |
| "Theory of Sound Propagation in Mixtures of Monoatomic Gases" (with J. D. Foch and M. Fuentes Losa), Physics of Fluids. vol. 15, 1224-1232, 1972 | box 24 | folder 27 |
| "Possible Origin of the Quantized Vortices in He II" (with S. Putterman and M. Kac), Physical Review Letters, vol. 29, 546-549, 1972 | box 24 | folder 28 |
| "Problems of Statistical Physics", in 'The Physicists Concept of Nature'. D. Reidel Pub. Co., Dordrecht, Holland. 501-513, 1973 | box 24 | folder 29 |
| "Some Problems In the Kinetic Theory of Dilute Gases", Rarefied Gas Dynamics, Academic Press Inc., 3-18, 1974 | box 24 | folder 30 |
| "Fifty Years of Spin: Personal Reminiscences", Physics Today, vol. 29, no. 6, 43-48, 1976 | box 24 | folder 31 |
| "Some Notes on the Relation Between Fluid Mechanics and Statistical Physics", Review of Fluid Mechanics, vol. 12, 1-9, 1980 | box 24 | folder 32 |
| "The Classical Theories of Critical Phenomena", Critical Phenomena, NBS Miscellaneous Pub., 273, 3-6, undated | box 24 | folder 33 |
| Fundamental Problems in Statistical Mechanics. II. An Outline of Statistical Mechanics, 1-29, undated | box 24 | folder 34 |
| "Over den Samenhang van Verschillende Oplossingsmethoden der Golfvergelijking in Meerdimensionale Ruimten" (with P. Ehrenfest), Koninklijke Akademie van Wetenschappen te Amsterdam. Afdeling Natuurkunde, [in Dutch], Deel XXXV, No. 4, 1-6, undated | box 24 | folder 35 |
| Some Aspects of Kinetic Theory, 197-207, undated | box 24 | folder 36 |
| Some Historical and Critical Remarks About the Theory of Phase Transitions, 99-107, undated | box 24 | folder 37 |
| Bethe, Hans and Teller Edward). Deviations from Thermal Equilibrium in Shock Waves, University of Michigan, 1-77, undated | box 25 | folder 1 |
| Bogoliubov, N. "Problems of a Dynamic Theory in Statistical Physics", U.S. Airforce, n.p., 1959 | box 25 | folder 2 |
| Carter, Charles. "On the Van der Waals Theory of Binary Mixtures", Phd. Thesis, Rockefeller University, 1-126, 1966 | box 25 | folder 3 |
| Casimir, H. B. G. "Low Temperature Physics", University of Michigan, Ann Arbor, 1-60, 1948 | box 25 | folder 4 |
| Dirac, P. A. M., Dynamic Theory of Fields Classical and Quantum, Lecture Series, University of British Columbia, 1949 | box 25 | folder 5 |

| | | |
|--|--------|-----------|
| Gyson, Freeman. Recent Developments in Quantum Electrodynamics. Lecture Notes, University of Michigan, 1950 | box 25 | folder 6 |
| Feynman, R(ichard). A New Approach to Quantum Electrodynamics, Notes by M. Fuchs and R. J. Riddell, Jr., University of Michigan, 1949 | box 25 | folder 7 |
| Feynman, R(ichard). "Quantum Electrodynamics and Meson Theories", University of Michigan, 1949 | box 25 | folder 8 |
| Furry, W. H. and Oppenheimer, J. R(ober)bert. "On the Theory of the Electron and Positive", Physical Review, vol. 45, 245-262, 1934 | box 25 | folder 9 |
| Kac, M. On the Theory of Random Noise and Related Problems in Statistical Physics, 1-22 | box 25 | folder 10 |
| Oppenheimer, J. R. Notes on Electrodynamics, Notes on his course Physics 207B by S. Kusaka and S. Frankel, University of Calif., 1-70, 1939 | box 25 | folder 11 |
| Oppenheimer, J. R. Notes on Electrodynamics, Notes on his course Physics 207B by S. Kusaka and S. Frankel, University of Calif., (pp.) 71-148, 1939 | box 25 | folder 12 |
| Oppenheimer, J. R. Speech Delivered in Honor of Einstein at UNESCO House, Paris, 1965 | box 25 | folder 13 |
| Klein, O., Lecture Notes on the Relativity Theory For a Book in Progress, 2 pages of formulas in front [possibly Uhlenbeck's notes]. (1 of 3), Brandeis University, 1965 | box 26 | folder 1 |
| Klein, O., Lecture Notes on the Relativity Theory For a Book in Progress, 2 pages of formulas in front [possible Uhlenbeck's notes]. (2 of 3), Brandeis University, 1965 | box 26 | folder 2 |
| Klein, O., Lecture Notes on the Relativity Theory For a Book in Progress, 2 pages of formulas in front [possible Uhlenbeck's notes]. (3 of 3), Brandeis University, 1965 | box 26 | folder 3 |
| Pais, A., Problems in the Theory of Elementary Particles, Notes by Dr. C. S. W. Chang, University of Michigan, 1947 | box 26 | folder 4 |
| Schwinger, J., Quantum Dynamics Lectures, (1 of 3) University of Calif, 1948 | box 26 | folder 5 |
| Schwinger, J., Quantum Dynamics Lectures, (2 of 3) University of Calif., (1948). [Also has Pauli's letter on these lectures], 1948 | box 26 | folder 6 |
| Schwinger, J., Quantum Dynamics Lectures, (3 of 3) University of Calif., (1948). [Also has Pauli's letter on these lectures], 1948 | box 26 | folder 7 |
| Seitz, F., Notes on Summer Lecture: Topics in the Theory of Solids, 1-64, University of Michigan, 1949 | box 26 | folder 8 |
| Wang Chany, On the Dispersion of Sound in Helium, 1-13, University of Michigan, 1948 | box 26 | folder 9 |
| Wheeler, Nuclear Physics, notes by Feynman, Notes by Wheeler on Fermi's Cosmic Rays 1-76, Princeton University, 1940 | box 26 | folder 10 |

Wigner, E., Notes: On Nuclear Structure and Beta Theory,
University of Wisconsin, 1951

box 26

folder 11

[^ Return to Table of Contents](#)