

J. H. (John Hasbrouck) Van Vleck papers, 1923-1959
1923-1959
Mss.530.1.Ar2.2

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Summary Information

Repository	American Philosophical Society
Creator	Van Vleck, J. H., (John Hasbrouck), 1899-1980
Title	J. H. (John Hasbrouck) Van Vleck papers, 1923-1959
Date [inclusive]	1923-1959
Call number	Mss.530.1.Ar2.2
Extent	189.0 Item(s)
Extent	189 items.
Location	LH-MV-B-11
Language	English
Container	1
Abstract	These contain a few notes and memoranda by Van Vleck, but the bulk of the collection is letters to and from him. Correspondents include Raymond T. Birge, Gerhard H. Dieke, Paul A. M. Dirac, Edwin C. Kemble, and Robert S. Mulliken.

Background note

J. H. Van Vleck was a physicist.

Administrative Information

Publication Information

American Philosophical Society

Provenance

Acquisition Information

Presented by J. H. Van Vleck and accessioned, 1964.

Indexing Terms

Genre(s)

- Educational Material
- Notebooks

Personal Name(s)

- Dieke, Gerhard Heinrich, 1901-1965
- Kemble, Edwin C., (Edwin Crawford), 1889-1984

Subject(s)

- Education
- Physics.
- Quantum theory.
- Science and Technology

Other Descriptive Information

This collection forms part of the Archives for the History of Quantum Physics, for which a complete listing appears in "Sources for the History of Quantum Physics," edited by Thomas S. Kuhn, et al. (Philadelphia, 1967).

Collection Inventory

Van Vleck, J. H., (John Hasbrouck), 1923-1959
1899-1980

Papers

D. 189 items. Various sizes. Presented to the Archive for the History of Quantum Physics by Van Vleck;1964.

Van Vleck, J. H. (John Hasbrouck), 1899- July?, 1923 8-3/4x5-1/2

Summary, paragraph by paragraph, of
 Bohr's "Über die Anwendung der Quanten-
 theorie auf den Atombau...";

A.D. 4p. (see Archive for the History of Quantum Physics, No.2.)

Foote, Paul D. (Paul Darwin), 1888- March 22, 1924 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis,
 Minn.;

Washington, Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning
 his paper: "The Quantum Theory of Line Spectra" with comments by Ruark. Suggestions for its
 publication in the Bulletin of the National Research Council.

Ruark, Arthur Edward, 1899- March 22, 1924 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis,
 Minn.;

Washington, A.L.S. 1p. and enc. of pp. 1-16, 19-33. (see Archive for the History of Quantum Physics.
 No.2.) Encloses his comments on the article: "The Quantum theory of Line Spectra." at the request to
 Foote.

Slater, John C. (John Clarke), 1900-1976 July 27, 1924 7x4-1/2

Letter to [John S.] Van [Vleck];

Papers

A.L.S. 12p. (see Archive for the History of Quantum Physics. No.2.) His work in physics for the year with Bohr and Kramers and his comments on them. Refers to Urey as a fellow student.

Kemble, Edwin C. (Edwin Crawford), 1889- Aug. 29, 1924 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis, Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Comments on his paper and work on the correspondence principle for absorption.

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 22, [1924] 11x8-1/2

Letter to [Hendrik Anthony] Kramers;

Typed L.with 1p. in A.L. 3p. (see Archive for the History of Quantum Physics. No.2.) Concerning dispersion formula and his work on the quantum theory of line spectra Needs comments of Bohr on Rydberg formula.

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 24, 1924 11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Typed L.S. 1p. (see Archive for the History of Quantum Physics. No. 2.) Questions concerning footnotes of his bulletin on quantum physics.

Born, Max, 1882-1970 Oct. 24, 1924

Letter to John H. Van Vleck

A.L.S. 1p. in German.

Kramers, Hendrik Anthony, 1894-1952 Nov. 11, 1924 11x8-1/2

Letter to [John H.] Van Vleck;

Copenhagen, A.L.S. 3p. (see Archive for the History of Quantum Physics.No.2.) Concerning the absorption and dispersion formulae. "Motion [in atoms]"...can not be described by mechanics." Refers to work done by Slater, Einstein, Planck and Bohr.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 13, 1924 11x8-1/2

Letter to M[ax] Born, Göttingen, Ger.;

Papers

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Their articles on dispersion and absorption formulae. Quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 21, 1924 11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Sorry he is taking so long to get his paper ready for publication. Quantum theory.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 30, 1924 11x8-1/2

Letter to H[endrik] A[nthony] Kramers,
Copenhagen, Den.;

Typed L. 4p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Agrees with him rather than with Becker on the correspondence principles for absorption and dispersion.

Van Vleck, J. H. (John Hasbrouck), 1899- Dec. 1, 1924 11x8-1/2

Letter to E[dwin] C. Kemble, Cambridge,
Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning atomic theory. His work goes slowly.

Slater, John C. (John Clarke), 1900-1976 Dec. 8, 1924 11x8-1/2

Letter to [John H.] Van [Vleck];

Cambridge, Mass., Typed L.S. 4p. (see Archive for the History of Quantum Physics. No.2.)
Concerning his paper on correspondence principles. His work on polarization of resonance radiation.

Kemble, Edwin C. (Edwin Crawford), 1889- Dec. 10, 1924 10-1/2x8

Letter to J[ohn] H. VanVleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.)
Questions on inner quantum numbers. Physics. Refers to Slater.

Van Vleck, J. H. (John Hasbrouck), 1899- Dec. 15, 1924 11x8-1/2

Papers

Letter to E[dwin] C. Kemble, Cambridge,
Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Comments on study on "the states of maximum inter quantum numbers should be those of minimum energy."

Van Vleck, J. H. (John Hasbrouck), 1899- Dec. 15, 1924 11x8-1/2

Letter to John C. Slater, Cambridge, Mass.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Discusses his problem and has tried to include it in the Correspondence Principle of Dispersion. Will discuss it with him.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 28, 1925 11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Minneapolis, Minn., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Questions for the publication of his paper and his just finished a section on the "dynamical technique of the quantum theory."

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 3, 1925 11x8-1/2

Letter to John O. Slater, Cambridge, Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning spatial quantization.

Birge, Raymond T. (Raymond Thayer), 1887- June 16, 1925 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., A.L.S. 4p. (see Archive for the History of Quantum Physics. No.2.) Questions on molecular energy.

Birge, Raymond T. (Raymond Thayer), 1887- July 4, 1925 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Thanks for his help in developing his energy formula.

Papers

Van Vleck, J. H. (John Hasbrouck), 1899- Aug. 10, 1925 11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Madison, Wisc., Typed L. 5p. and enc. of 7p. Carbon copy (see Archive for the History of Quantum Physics. No.2.) Forwards his manuscript: "Quantum Principles and Line-Spectra" and encloses some pages listing material which might be deleted. Comments on publication.

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 27, 1925 11x8-1/2

Letter to G[erhard] H. Dieke, Berkeley,
Cal.;

Typed L. 3p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Discusses questions in quantum physics.

Dieke, Gerhard Heinrich, 1901-1965 Oct. 9, 1925 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning his paper on curves of specific molecules, calculated "on Einstein's suggestion."

Van Vleck, J. H. (John Hasbrouck), 1899- Oct. 19, 1925 11x8-1/2

Letter to Max Born, Gottingen, Ger.;

Typed L. 1p. Incomplete. (see Archive for the History of Quantum Physics. No.2.) Comments on his articles on excited molecules. Physics.

Van Vleck, J. H. (John Hasbrouck), 1899- Oct. 29, 1925 11x8-1/2

Letter to G[erhard] H. Dieke, Berkeley,
Cal.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the study on curves and oscillations.

Kemble, Edwin C. (Edwin Crawford), 1889- Nov. 10, 1925 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Papers

Cambridge, Mass., Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.)

Concerning specific heat of hydrogen. Projected work of Slater on "alternating intensities in band spectra of gas molecules...of two similar atoms."

Foote, Paul D. (Paul Darwin), 1888-

Nov. 20, [1925?]

3-1/4x5-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Washington, D.C., L.on postal card. 1p.and add. (see Archive for the History of Quantum Physics. No.2.) Concerning his proof for his work on line spectra.

Born, Max, 1882-

Nov. 25, 1925

11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.)

Apologizes for errors in his text. Hopes to meet him to explain certain things about quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899-

Dec. 5, 1925

11x8-1/2

Letter to Max Born, Cambridge, Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Hopes to invite him to lecture at Minnesota.

Van Vleck, J. H. (John Hasbrouck), 1899-

Dec. 7, 1925

11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning proof of his book. Would like to see such publications in hard bindings, even at additional cost.

Foote, Paul D. (Paul Darwin), 1888-

Dec. 10, [1925]

3-1/4x5-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Washington, D.C., A.L.on postal card. 1p.and add. (see Archive for the History of Quantum Physics. No.2.) Doesn't believe the important publications can be bound at this time.

Born, Max, 1882-

Dec. 14, 1925

11x8-1/2

Papers

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Can visit him in Chicago. Would like to lecture on the new quantum theory at Minneapolis.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 8, 1926 11x8-1/2
Letter to Max Born, Cambridge, Mass.;

Typed L.with ms.notes. 1p. Carbon copy (see Archive for the History of Quantum Physics. No.2.)
Concerning his lecture at Minnesota on quantum physics.

Born, Max, 1882- Jan. 13, 1926 11x8-1/2
Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Has already filled his schedule and cannot lecture on quantum theory at Minnesota. Hopes they can meet.

Breit, Gregory, 1899- Jan. 25, 1926 10-1/2x8
Letter to [John H.] Van [Vleck];

Washington, D.C., A.L.S. 2p. (see Archives for the History of Quantum Physics. No.2.) Concerning quantum theory as worked out by Born and Fermi.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 8, [1926?] 7x8-1/2
Letter to Paul D. Foote;

Telegram. 1p. Carbon copy "Approximate Copy." (see Archive for the History of Quantum Physics. No.2.) Concerning his publication on quantum physics.

Born, Max, 1882- Feb. 25, 1926 11x8-1/2
Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Berkeley, Cal., Typed L.S. 1p (see Archive for the History of Quantum Physics. No.2.) Is to lecture on quantum theory at Madison, but would like to discuss things with him, personally.

Papers

Birge, Raymond T. (Raymond Thayer), 1887- March 12, 1926 11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Asks him to write on quantum theory for the Optical Society of America. Physics.

Birge, Raymond T. (Raymond Thayer), 1887- March 23, 1926 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Articles and work for committee on physical optics. Concerning work on quantum theory. Refers to Mulliken and Dieke.

Van Vleck, J. H. (John Hasbrouck), 1899- April 19, 1926 11x8-1/2

Letter to E[dwin] C. Kemble, Cambridge, Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Congratulates him on his Guggenheim. Concerning publications on quantum theory. Friendly letter.

Dieke, Gerhard Heinrich, 1901-1965 May 1, 1926 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning a study on quantum of the hydrogen.

Dushman, Saul, b. 1883 May 5, 1926 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis, Minn.;

Schenectady, N.Y., Typed L. 1p. (see Archive for the History of Quantum Physics.No.2.) Compliments him on his publication on quantum principles. Wishes it had been better bound and printed.

Van Vleck, J. H. (John Hasbrouck), 1899- May 10, 1926 11x8-1/2

Papers

Letter to E[dwin] C. Kimball [Kemble],
Cambridge, Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Hopes they can get cloth covers on his publication.

Birge, Raymond T. (Raymond Thayer), 1887- June 1, 1926 11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics.No.2.) Thanks for the publication, and explain why he sold it. Concerning work for the Physical Optics committee.

Dennison, David Mathias, 1900- July 21, 1926 11x8-1/2

Letter to [John H.] Van Vleck;

Ludington, Mich., A.L.S. 2p. (see Archive for the History of Quantum Physics.No.2.) Is glad he is publishing on quantum theory for he thinks the more published, the better. Concerning dielectrics.

Birge, Raymond T. (Raymond Thayer), 1887- Aug. 24, 1926 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning reports for the Physical Optics committee on various studies.

Kronig, R. (Ralph), 1904- Sept. 10, 1926 11x8-1/2

Letter to [John H.] Van Vleck;

Chocorua, N.H., A.L.S. 2p. (see Archive for the History of Quantum Physics.No.2.) Concerning his work on dielectrets.

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 16, [1926] 10-3/4x8-1/4

Letter to [Raymond T.] Birge;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning his syllabus on the new quantum mechanics and comments on it.

Papers

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 18, 1926 10-1/2x8-1/4

Letter to [Ralph de Laer] Kronig;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning work on dielectric constants. Concerning atoms and molecular activity.

Birge, Raymond T. (Raymond Thayer), 1887- Sept. 20, 1926 11x8-1/2

Letter to the members of the Committee on Physical Optics, Optical Society of America;

Cal., Typed L.S. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Reports on what is to be printed, including Van Vleck's article on quantum theory.

Birge, Raymond T. (Raymond Thayer), 1887- Sept. 23, 1926 11x8-1/2

Letter to the members of the Committee on Physical Optics, Optical Society of America;

Berkeley, Typed L.S. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Additional information on the forthcoming report on relativity, etc.

Kronig, R. (Ralph), 1904- Sept. 24, 1926 10-1/2x8

Letter to [John H.] Van Vleck;

New York, N.Y., A.L.S. 2p. (see Archive for the History of Quantum Physics. No. 2.) Concerning his study of rigid rotations of molecules; encloses carbon copy. For enclosure, see: Kronig. The Dielectric Constant...; [Sept. 1926].

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 31, 1926 10-1/2x8-1/4

Letter to R[aymond] T. Birge, Berkeley, Cal.;

Typed L. 3p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning their report for the Optical Society, with comments on bibliography for quantum theory.

Papers

Kronig, R. (Ralph), 1904-

Sept., 1926

11x8-1/2

The dielectric constant of symmetrical
polyatomic dipole-cases on the new
quantum mechanics;

Typed D. 6p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Enclosed
originally in: Kronig to Van Vleck; Sept. 24, 1926.

**Birge, Raymond T. (Raymond Thayer),
1887-**

Oct. 7, 1926

11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning a
publication on quantum physics for the Optical Society.

Ingersoll, Leonard Rose, 1880-1958

Oct. 11, 1926

11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Madison, Wisc., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.)
Congratulates him on his report on the new quantum theories.

**Birge, Raymond T. (Raymond Thayer),
1887-**

Oct. 13, 1926

11x8-1/2

Letter to the members of the Physical Optics
Committee;

Berkeley, Cal., Typed L.S. 1p. Carbon copy. (see Archive for one History of Quantum Physics.
No.2.) Concerning the publication on quantum physics.

**Kemble, Edwin C. (Edwin Crawford),
1889-**

Oct. 29, 1926

10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.)
Concerning studies on quantum physics and comments on them.

Papers

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 1, 1926 11x8-1/2

Letter to E[dwin] C. Kemble, Cambridge,
Mass.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Discusses various problems in quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 4, 1926 11x8-1/2

Letter to [Sir] C[harles] G. Darwin,
Edinburgh, Scotland;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning his work on lines.

Birge, Raymond T. (Raymond Thayer), 1887- Nov. 15, 1926 11x8-1/2

Letter to the members of the Physical Optics
Committee;

Berkeley, Typed L.S. 1p. (see Archives for the History of Quantum Physics. No.2.) Hopes their report will soon be out. Suggestions for proof-reading.

Rodebush, Worth Huff, b. 1887 Dec. 1, 1926 11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Orbana, Ill., Typed L.S. 1p. (see Archives for the History of Quantum Physics. No.2.) Comments on studies on chemical constants.

Van Vleck, J. H. (John Hasbrouck), 1899- Dec. 1, 1926 11x8-1/2

Letter to E[dwin] C. Kemble, Cambridge,
Mass.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Suggests editorial changes for paper by Mulliken on quantum physics.

Rawlins, F. I. G. (Francis Ian Gregory), 1895-1969 Dec. 10, 1926 11-1/4x8-3/4

Papers

Letter to J[ohn] H. Van Vleck;

Cambridge, England, A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Asks for his publications on quantum physics and encloses his own.

Kemble, Edwin C. (Edwin Crawford), Dec. 20, 1926 10-1/2x8
1889-

Letter to J[ohn] H. Van Vleck, Madison,
 Wis.;

Cambridge, Mass., Typed L. 2p. (see Archive for the History of Quantum Physics.No.2.) Concerning publications on the new quantum mechanics.

Birge, Raymond T. (Raymond Thayer), Dec. 28, 1926 11x8-1/2
1887-

Letter to the members of the Physical Optics
 Committee;

Berkeley, Cal., L.S. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the publication and distribution of the Physical Optics report.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 4, 1927 11x8-1/2
 Letter to Arthur [Edward] Ruark, Pittsburg,
 Penna.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Comments on his paper on quantum postulates.

Birge, Raymond T. (Raymond Thayer), Jan. 15, 1927 11x8-1/2
1887-

Letter to [John H.] Van Vleck;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning their publication and problems in getting it off the press. Refers to Kemble and his publication.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 17, 1927 11x8-1/2
 Letter to Robert S. Mulliken, New York;

Papers

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Hopes he moves to Minnesota. Gives some new results on NO and O₂ in quantum theory

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 26, 1927 11x8-1/2

Letter to Gregory Breit, Washington, D.C.;

Typed L.S. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Thanks for loan of slides. Comments on Dr. Schroedinger who visits Washington.

Kramers, Hendrik Anthony, 1894-1952 Jan., 1927 10-3/4x8-1/2

Letter to [John H.] Van Vleck;

Utrecht, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Recommends a young physicist, Niessen, for a post and comments on his work.

Birge, Raymond T. (Raymond Thayer), 1887- Feb. 3, 1927 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Typed L.S. 2p. (See Archive for the History of Quantum Physics. No.2.) Several questions on line-spectra and quantum theory.

Mulliken, Robert Sanderson Feb. 8, 1927 11x8-1/2

Letter to [John H.] Van [Vleck];

New York, Typed L.S. 3p. (see Archive for the History of Quantum Physics. No.2.) Comments on work on NO and O₂. Quantum theory.

Reiche, F. (Fritz), 1883-1969 Feb. 20, 1927 11-1/2x8-3/4

Letter to [John H.] Van Vleck];

Breslau, Ger., A.L.S. 2p. In German. (see Archive for the History of Quantum Physics. No.2.) Thanks for publication on line-spectra of the hydrogen atom. Some of his own experiments.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 22, 1927 11x8-1/2

Letter to "Mully" [Robert S. Mulliken];

Typed L. 3p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Comments on his paper. Asks him to read a paper on quantum physics for him.

Papers

Mulliken, Robert Sanderson

Feb. 25, 1927

11x8-1/2

Letter to [John H.] Van [Vleck];

New York, Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning line-spectra.

Darwin, Charles Galton, Sir, 1887-1962

Feb. 27, 1927

9x7

Letter to [John H.] Van Vleck;

Edinburgh, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Comments on, "The Electron as a Vector Wave" and theories on the atom.

Van Vleck, J. H. (John Hasbrouck), 1899- March 1, 1927

11x8-1/2

Letter to the Secretary for Research Council

Fellowships in Physics..., National Research

Council, Washington, D.C.;

Typed L. 1p. (see Archive for the History of Quantum Physics. No.2.) Recommends Oppenheimer for a fellowship

Van Vleck, J. H. (John Hasbrouck), 1899- March 2, 1927

11x8-1/2

Letter to R[aymond] T. Birge, Berkeley,

Cal.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the normal state of NO, as Mulliken states. Publications.

Kemble, Edwin C. (Edwin Crawford), 1889-

March 5, 1927

8-3/4x7

Letter to [John H.] Van Vleck;

Munich, Ger., A.L.S. 4p. (see Archive for the History of Quantum Physics. No.2.) His work. Interest in NO and O₂, and comments on them. Friendly letter.

Birge, Raymond T. (Raymond Thayer), 1887-

March 10, 1927

11x8-1/2

Letter to [John H.] Van Vleck;

Papers

Berkeley, Cal., Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Considering his and Mulliken's work on line-spectra. Concerning Dirac and comments on his anti-American statements. Refers to Condon.

Kramers, Hendrik Anthony, 1894-1952 March 31, 1927 10-3/4x8-1/2

Letter to [John H.] Van Vleck;

Utrecht, A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Thanks for his letter on the lack of posts for Niessen.

Kronig, R. (Ralph), 1904- April 15, 1927 11x8-1/2

Letter to [John H.] Van Vleck;

New York, A.L.S. 6p. (see Archive for the History of Quantum Physics.No.2.) Disagrees with him on his paper regarding "the validity of the formula for the magnetic movement of atoms and molecules induced by a magnetic field," and explains Refers to Darwin.

Debye, Peter J. W. (Peter Josef William), 1884- April 19, 1927 11x7-1/4

Letter to [John H.] Van Vleck;

Madison, A.L.S. 1p. (see Archive for the History of Quantum Physics.No.2.) Thanks for his publication on physics and has already used the main features of it in a lecture.

Van Vleck, J. H. (John Hasbrouck), 1899- April 24, 1927 11x8-1/2

Letter to [Ralph de Laer] Kronig;

Typed L.S. 7p.and 3p.duplicated. (see Archive for the History of Quantum Physics. No.2.) Concerning the measurement of angular momentum measured with reference to fixed nuclei. Refers to Debye.

Kronig, R. (Ralph), 1904- May 4, 1927 10-1/2x8

Letter to [John H.] Van Vleck;

New York, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning molecules and atoms as expressed in his last letter.

Slater, John C. (John Clarke), 1900-1976 May 27, 1927 6-3/4x5-1/4

Letter to [John H. Van Vleck;

Papers

A.L.S. 4p. Incomplete. (see Archive for the History of Quantum Physics. No.2.) On quantum mechanics. Is "computing helium!!" Glad he will be at Palo Alto, California.

Birge, Raymond T. (Raymond Thayer), 1887- Aug. 25, 1927 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Comments on publications on quantum theories with comments of certain men.

Van Vleck, J. H. (John Hasbrouck), 1899- Aug. 26, 1927 10-1/2x8

Letter to Wheeler P. Davey, State College, Penna.;

Typed L. 1p. Incomplete. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Forwards article and makes comments on what can be omitted, etc.

Rodebush, Worth Huff, b. 1887 Sept. 27, 1927 11x8-1/2

Letter to J[ohn] H. Van Vleck, Minneapolis, Minn.;

Orbana, Ill., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Asks a question based upon his paper on dielectric constant.

Slater, John C. (John Clarke), 1900-1976 Nov. 13, 1927 11x8-1/2

Letter to [John H.] Van [Vleck];

A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning his work on helium. Friendly letter.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 28, 1927 11x8-1/2

Letter to G. E. Stechert and Co., New York;

L. 1p. Incomplete. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the possibility of a reprint of his work on "Quantum Principles and Line Spectra."

National Research Council Dec. 7, 1927 11x8-1/2

Papers

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Washington, D.C., Typed L.S.: Dayton C. Miller, by Nera E. Reynolds. 1p. (see Archive for the History of Quantum Physics. No.2.) Will make 300 reprints of his "Quantum Principles and Line Spectra."

Kemble, Edwin C. (Edwin Crawford), 1889- Jan. 13, 1928 8-1/2x5-1/2

Letter to [John H.] Van Vleck;

Cambridge, Mass., A.L.S. 2p. (see Archives for the History of Quantum Physics. No.2.) His studies on atomic matter of oxygen.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 19, 1928 11x8-1/2

Letter to [Edwin C.] Kemble;

Typed L. 3p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) States his "contraction of the doublets." Asks him to see if it conflicts with present work. Friendly letter.

Kemble, Edwin C. (Edwin Crawford), 1889- Jan. 25, 1928 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis,
Minn.;

Cambridge, Mass., Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Congratulates him on his formula for the "doublet contraction." His work on the subject is now worthless. Friendly letter.

Dennison, David Mathias, 1900- Feb. 1, 1928 6-1/2x8

Telegram to [John H.] Van Vleck,
Minneapolis, Minn.;

Ann Arbor, Mich., D. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning an article which he believes "a half page addition to proof will correct" on computations.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 2, 1928 11x8-1/2

Letter to Paul D. Foote, Washington, D.C.;

Papers

Typed L. 1p. Carbon copy. Mutilated (see Archive for the History of Quantum Physics. No.2.) Since quantum theory progresses so rapidly, he has had to rewrite a large part of a chapter, even though in galley, which he returns.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 12, 1928 11x8-1/2

Letter to [Edwin C.] Kemble;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the formula for "narrow doublets" as worked out with Hill. Concerning Hill's future as a graduate student. Friendly letter.

Kemble, Edwin C. (Edwin Crawford), 1889- Feb. 16, 1928 10-1/2x8

Letter to J[ohn] H. Van Vleck, Minneapolis, Minn.;

Cambridge, Mass., Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning possible position for Hill. Quantum theory.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 16, 1928 11x8-1/2

Letter to Wheeler P. Davey, State College, Penna.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Forwards his manuscript and states that the quantum theory "is now getting in a more settled condition."

Kramers, Hendrik Anthony, 1894-1952 Feb. 24, 1928 10-3/4x8-1/2

Letter to [John H.] Van Vleck;

Utrecht, A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Plans to lecture in the U.S. and would like to visit Minnesota to lecture and talk with him.

Van Vleck, J. H. (John Hasbrouck), 1899- March 25, 1928 11x8-1/2

Letter to [Robert S.] Mulliken;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Theory. No.2.) Asks if certain work has been done in quantum physics and explains his need to know.

Mulliken, Robert Sanderson March 28, 1928 11x8-1/2

Papers

Letter to [John H.] Van [Vleck];

New York, A.L.S. 6p. (see Archive for the History of Quantum Physics.No.2.) Concerning O-type doubling and related theory.

Mulliken, Robert Sanderson

April 11, 1928

11x8-1/2

Letter to [John H.] Van [Vleck];

New York, A.L.S. 4p. (see Archive for the History of Quantum Physics. No.2.) Concerning "magnetic susceptibilities." Concerning a problem in quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899- April 19, 1928

11x8-1/2

Letter to E[dwin] C. Kemble,

Cambridge, Mass., Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Congratulations on his Guggenheim. Concerning his book on quantum physics.

Not Found: 4/2011

Other Descriptive Information

Unlocated 5/2011

Van Vleck, J. H. (John Hasbrouck), 1899- April 22, 1928

11x8-1/2

Letter to [Hendrik A.] Kramers;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Theory. No.2.) Extends invitation for him to visit Minnesota. Comments on trip to the West Coast.

Kramers, Hendrik Anthony, 1894-1952 April 24, 1928

8x5

Letter to [John H.] Van Vleck;

Toronto, Can., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Hopes he can visit Minnesota and lecture.

Van Vleck, J. H. (John Hasbrouck), 1899- April 28, 1928?

11x8-1/2

Letter to [Ralph de L. Kronig?];

Typed L. 1p. Carbon copy. Incomplete for this is marked: [Page] 4. (see Arhive for the History of Quantum Physics. No.2.) Concerning quantum theory.

Kramers, Hendrik Anthony, 1894-1952 April 28, 1928

8x5

Papers

Letter to [John H.] Van Vleck;

Toronto, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Can visit and lecture at Minnesota and states dates and hours.

Van Vleck, J. H. (John Hasbrouck), 1899- April 28, 1928 11x8-1/2

Letter to [Ralph de Laer] Kronig;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) States that his work may overlap Kronig's, but explains work of self and Hill. Quantum theory.

Van Vleck, J. H. (John Hasbrouck), 1899- May 15, 1928 11x8-1/2

Letter to [Hendrik A.] Kramers;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Theory. No.2.) Asks if he could lecture so that appeal would be made to chemists as well as physicists.

Mulliken, Robert Sanderson May 21, 1928 11x8-1/2

Letter to [John H.] Van [Vleck];

New York, A.L.S.: Mully. 3p. (see Archive for the History of Quantum Physics No. 2.) His work on O-type doubling. Comments and questions on O-type doubling.

Van Vleck, J. H. (John Hasbrouck), 1899- May 21, 1928 11x8-1/2

Letter to W[orth] H. Rodebush, Urbana, Ill.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Comments on the atom in the "S-state."

Mulliken, Robert Sanderson May 25, 1928 11x8-1/2

Letter to [John H.] Van [Vleck];

New York, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Forwards article and asks comments. Concerning "excited electron states."

Kronig, R. (Ralph), 1904- May 27, 1928 11-3/4x8-1/4

Letter to [John H.] Van Vleck;

Zurich, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning O-doubling. Comments on his work in "fine structure terms".

Papers

Birge, Raymond T. (Raymond Thayer), 1887- June 8, 1928 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., A.L.S. 3p. (see Archive for the History of Quantum Physics. No.2.) Concerning work on the theory of molecular structure and states that Mulliken deserves credit for work listed as "Birge and Mulliken".

Van Vleck, J. H. (John Hasbrouck), 1899- June 8, 1928 11x8-1/2

Letter to John [C. Slater];

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Cites a new publication and asks if he [Slater] wishes to change his current article on helium.

Mulliken, Robert Sanderson June 20, 1928 11x8-1/2

Letter to [John H.] Van [Vleck];

New York, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning O-type doubling.

Van Vleck, J. H. (John Hasbrouck), 1899- June 23, 1928 11x8-1/2

Letter to "Dear Mully" [Robert S. Mulliken];

Typed L. 7p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Wants them to publish on O-type doubling together. Comments on various questions of quantum theory.

Van Vleck, J. H. (John Hasbrouck), 1899- June 24, 1928 11x8-1/2

Letter to [Ralph de L.] Kronig;

Typed L.S. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning work on electron spin and asks if he would like to publish together.

Kronig, R. (Ralph), 1904- June 30, 1928 11-1/2x8-1/4

Letter to [John H.] Van Vleck;

Zurich, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Writes on his computations on the "perturbation matrix which give rise to the splitting [doublet splitting]."

Papers

Mulliken, Robert Sanderson June 30, 1928 11x8-1/2
Letter to [John H.] Van [Vleck];

Ann Arbor, Mich., A.L.S. Mully. 4p. (see Archive for the History of Quantum Physics No.2.) O-type doubling. Will revise his article. Comments on work of Birge.

Van Vleck, J. H. (John Hasbrouck), 1899- July 9, 1928 11x8-1/2
Letter to [Edwin C.] Kemble;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning a paper by Hill and self "on the rotational distortion."

Kronig, R. (Ralph), 1904- July 11, 1928 11-3/4x8-1/4
Letter to [John H.] Van Vleck;

Zürich, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning work on "the perturbations in bands and the predissociation of molecules" and the prospects of their publishing together.

Slater, John C. (John Clarke), 1900-1976 July 17, 1928 11x7-1/4
Letter to [John H.] Van [Vleck];

Chicago, Ill., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning his work on helium. Kramers is to visit.

Van Vleck, J. H. (John Hasbrouck), 1899- July 19, 1928 11x8-1/2
Letter to [Raymond T.] Birge;

Typed L. 1p. Incomplete. Carbon copy (see Archive for the History of Quantum Physics. No.2.) Concerning the publication of his table of constants.

Mulliken, Robert Sanderson Oct. 8, 1928 11x8-1/2
Letter to [John H.] Van [Vleck];

Chicago, A.L.S. 2p. (see Archive for the History of Quantum Physics.No.2.) Will visit him, but not for football. Comments on a letter of Dirac. Refers to Bohr, physics, etc.

Van Vleck, J. H. (John Hasbrouck), 1899- Oct. 26, 1928 11x8-1/2

Papers

Letter to P[aul] A. M. Dirac, Cambridge,
Eng.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Glad he is to lecture at Minnesota and hopes the lecture will be on quantum physics.

Slater, John C. (John Clarke), 1900-1976 Nov. 8, [1928] 10-1/2x8
Letter to [John H.] Van [Vleck];

A.L.S.with initials. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning a program for talks on quantum physics and comments on the men and subjects.

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 12, 1928 11x8-1/2
Letter to John [C. Slater];

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Outlines his talk on quantum theory and comments on the rest of the program. Suggests Swann be invited to talk.

Kramers, Hendrik Anthony, 1894-1952 Nov. 13, 1928 113-/4x8-1/4
Letter to [John H.] Van [Vleck];

Utrecht, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Hopes Van will visit. Concerning work on the oxygen molecule. Concerning Dirac and his new ideas.

Slater, John C. (John Clarke), 1900-1976 Nov. 17, 1928 11x8-1/2
Letter to [John H.] Van [Vleck];

Typed L.S.with initials. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning their talks and he wishes them to be on the "inherently statistical nature of quantum mechanics," at a meeting

Van Vleck, J. H. (John Hasbrouck), 1899- Nov. 20, 1928 11x8-1/2
Letter to "Dear Dana;"

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning reading in quantum theory.

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984 Dec. 6, 1928 7x4-1/2

Papers

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Will begin his lectures with the transformation theory and go from there. Students will need prior quantum theory.

Birge, Raymond T. (Raymond Thayer), 1887- Dec. 28, 1928 11x8-1/2

Letter to [John H.] Van Vleck;

Berkeley, Cal., Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Concerning his tables of constants and the general constants for physical science

Kramers, Hendrik Anthony, 1894-1952 Dec. 28, 1928 11-3/4x8-1/4

Letter to [John H.] Van [Vleck];

Utrecht, A.L.S. 2P. (see Archive for the History of Quantum Physics. No.2.) Concerning his work on Oxygen and some problems of a student in physics.

Dennison, David Mathias, 1900- 1928 11x8-1/2

The vibrations of CO₂ molecule, [to John H. Van Vleck;

ca.]. A.D. 3p. (see Archive for the History of Quantum Physics. No.2.)

Kennard, E. H. (Earle Hesse), b. 1885 Jan. 8, 1929 10-1/2x8

Letter to J[ohn] H. Van Vleck, Madison, Wisc.;

Ithica, New York, Typed L.S. 1p. (see Archives for the History of Quantum Physics. No.2.) Concerning a report on the symposium at the Franklin Institute on physics.

Mulliken, Robert Sanderson Jan. 10, 1929 11x8-1/2

Letter to [John H.] Van [Vleck];

Chicago, A.L.S.: Mully. 2p. (see Archive for the History of Quantum Physics No.2.) Asks for information from him or Hill about the Zeeman levels,etc.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 14, 1929 11x8-1/2

Letter to E[arle] H. Kennard, Ithaca, N.Y.;

Papers

Typed L. 3p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Replies to questions pertaining to quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 15, 1929 11x8-1/2

Letter to Mully [Robert S. Mulliken];

L. 1p. Carbon copy. (see Archive for the History of Quantum Physics No.2.) Concerning his paper on various aspects of quantum theory and comments on it.

Van Vleck, J. H. (John Hasbrouck), 1899- Jan. 16, 1929 11x8-1/2

Letter to H[endrik] A. Kramers, Utrecht, Holland;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Comments on "matrix elements with the type of binding force" in his oxygen paper Comments on work in quantum physics.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 14, 1929 11x8-1/2

Letter to Mully [Robert S. Mulliken];

Typed L. 4p.and 1p.equations. Carbon copy. (see Archive for History of Quantum Physics. No.2.) Lengthy comments on various questions on work in quantum physics as in certain papers which they are writing.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 19, 1929 11x8-1/2

Letter to R[aymond] T. Birge, Berkeley, Cal.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Thanks for his table on constants and comments on it.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 19, 1929 11x8-1/2

Letter to G[regory] Breit, Washington, D.C.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No. 2.) Comments on "doubling phenomena in molecular spectroscopy. Refers to Dirac's visit. His comments on Eddington's theory of fine structure constant,value 1/136.

Van Vleck, J. H. (John Hasbrouck), 1899- Feb. 22, 1929 11x8-1/2

Papers

Letter to P[aul] A. M. Dirac, Cambridge,
Eng.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning his lecture on quantum physics. Suggestions as to the means of travelling across the U.S.

Mulliken, Robert Sanderson

Feb. 25(?), 1929

11x8-1/2

Letter to [John H.] Van [Vleck];

A.L.S.: Mully. 3p. (See Archive for the History of Quantum Physics No.2.) Concerning their articles on quantum theory.

Van Vleck, J. H. (John Hasbrouck), 1899- March 18, 1929

11x8-1/2

Letter to [Edward L.] Hill;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the Raman effect and hopes a book will appear on it.

Breit, Gregory, 1899-

April 1, 1929

10-1/2x8

Letter to [John H.] Van [Vleck];

Washington, D.C., A.L.S. 2p. (see Archive for the History of Quantum Physics.No.2.) Suggestions on a colloquia on atomic physics and Suggests Heisenberg, Dirac, Sommerfeld, Vallarta, with possible topics

Hill, Edward Lee, 1904-1974

April 1, 1929

11x7-1/4

Letter to [John H.] Van Vleck;

Cambridge, Mass., A.L.S. 3p. (see Archive for the History of Quantum Physics.No.2.) Concerning the Raman effect. Concerning Heisenberg's lectures and the "small mutiny" he has stirred up in physics.

Rodebush, Worth Huff, b. 1887

May 21, 1929

11x8-1/2

Letter to J[ohn] H. Van Vleck, Madison,
Wisc.;

Urbana, Ill., Typed L.S. 1p. (see Archive for History of Quantum Physics.No.2) Concerning the "chemical constant of hydrogen."

Papers

Van Vleck, J. H. (John Hasbrouck), 1899- May 24, 1929

11x8-1/2

Letter to W[orth] H. Rodebush, Urbana, Ill.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning the chemical constants of hydrogen.

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984 June 9, 1929

8-1/2x5-1/4

Letter to [John H.] Van Vleck;

A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Travelled across the U.S. on train full of Shriners. Grand Cañyon and Yosemite full of Shriners, but Yosemite empty of them now. Beautiful place.

Bitter, Francis, 1902-1967

June 22, 1929

11x8-1/2

Letter to [John H.] Van Vleck;

Pasadena Cal., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) His apparatus for measuring the magnetic susceptibilities of gas proves Van Vleck's predictions on NO. Friendly letter.

Van Vleck, J. H. (John Hasbrouck), 1899- June 26, [1929]

11x8-1/2

Letter to G[lenn] G. Havens;

A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2) Forwards his letter to Bitter on measuring magnetic susceptibilities of gas. On same sheet as: Van Vleck to Bitter; June 26, 1929.

Other Descriptive Information

Unlocated 5/2011

Van Vleck, J. H. (John Hasbrouck), 1899- June 26, 1929

11x8-1/2

Letter to Francis Bitter, Pasadena, Cal.;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning his measurements of the magnetic susceptibilities of gas. Other work in the same field. On same sheet is: Van Vleck to G.G. Havens; June 26, 1929, on copy of above.

Van Vleck, J. H. (John Hasbrouck), 1899- July 29, 1929

11x8-1/2

Letter to W[orth] H. Rodebush, Urbana, Ill.;

Papers

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning Fowler and his work on the chemical constant of hydrogen.

Mulliken, Robert Sanderson

Aug. 16, 1929

8x5

Letter to [John H.] Van [Vleck];

A.L.S.: Mully. 3p. (see Archive for the History of Quantum Physics. No.2.) Questions concerning an equation.

Slater, John C. (John Clarke), 1900-1976 Dec. 29, 1929

11x6-3/4

Letter to [John H.] Van [Vleck] Leipzig,

[ca.]. A.L.S. 4p. (see Archive for the History of Quantum Physics.No.2.) Describes Leipzig. Concerning his stay in Germany and Plans for trip home. Friendly letter.

Van Vleck, J. H. (John Hasbrouck), 1899- [1929]

11x8-1/2

Plans for study in connection with an application for a Guggenheim fellowship;

Typed D. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.)

Darwin, Charles Galton, Sir, 1887-1962 Nov. 7, 1930

9x7

Letter to [John H.] Van Vleck;

Edinburgh, Scotland, [ca.]. A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Has tried to get a grant for Schlapp to work under Van Vleck.

Mulliken, Robert Sanderson

Jan. 6, 1931

11x8-1/2

Letter to J[ohn] H. Van Vleck, Madison, Wisc.;

Chicago, Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Questions concerning work on doublets, meaning of the "magnetic moment", energy levels in a magnetic field, etc.

Bitter, Francis, 1902-1967

Jan. 13, 1931

11x8-1/2

Letter to J[ohn] H. Van Vleck, Madison, Wisc.;

Papers

East Pittsburgh, Pa., Typed L.S. 1p. (see Archives for the History of Quantum Physics. No.2.)
Concerning the susceptibility of the salts of the iron group paper and its result.

Dirac, P. A. M. (Paul Adrien Maurice), April 24, 1931 7x4-1/2
1902-1984

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 3p. (see Archive for the History of Quantum Physics. No.2.) Asks for help to plan a trip across the U.S. Concerning Bohr and quantum physics in general.

Dirac, P. A. M. (Paul Adrien Maurice), June 1, 1931 7x4-1/2
1902-1984

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning his travels in the U.S.

Dirac, P. A. M. (Paul Adrien Maurice), July 8, 1931 7x4-1/2
1902-1984

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Will extend his visit to Glacier National Park.

Dirac, P. A. M. (Paul Adrien Maurice), July 18, 1931 7x4-1/2
1902-1984

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 3p. (see Archive for the History of Quantum Physics. No.2.) His plans for visiting Glacier National park and their visiting there.

Dirac, P. A. M. (Paul Adrien Maurice), Sept. 10, 1931 7x4-1/2
1902-1984

Letter to [John H.] Van Vleck;

A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) His visits at some of the National Parks and plans for visit at Madison.

Papers

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984 Oct. 2, 1931 11x8-1/2

Letter to [John H.] Van Vleck;

Princeton, N.J., A.L.S. 1p. (see Archive for the History of Quantum Physics.No.2.) Has visited Washington, D.C. Is in Princeton and reports on result achieved by Wigner on certain atoms.

Mulliken, Robert Sanderson Feb. 28, 1932 11x8-1/2

Letter to [John H.] Van [Vleck];

A.L.S.: Mully. 6p. (see Archive for the History of Quantum Physics No.2.) Concerning the electronic structure of molecules.

Brillouin, Léon, 1889-1969 March 20, 1932 7-3/4x6-1/2

Letter to [John Hasbrouck] Van Vleck;

Paris, France, A.L.S. 2p. (see Archive for the History of Quantum Physics. No. 2) Thanks for the review of his [Brillouin] book on quantum physics for students.

Mulliken, Robert Sanderson March 28, 1932 11x8-1/2

Letter to J[ohn] H. Van Dyke [Vleck],
Univ.of Wisc.;

Chicago, Typed L.S.: Mully. 3p. (see Archive for the History of Quantum Physics. No.2.) His ideas on molecular structure.

Van Vleck, J. H. (John Hasbrouck), 1899- May 21, 1932 11x8-1/2

Letter to R. H. Fowler, Cambridge, Eng.;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning a future publication by Condon and also possible translation by Brillouin and wonders is he would like to publish them, since the Oxford Press does such beautiful mathematical printing.

Barnett, Samuel Jackson, 1873- Aug. 11, 1932 11x8-1/2

Letter to P. Weiss, Alsace, France;

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No. 2.) States his prior claim to "magnetization by rotation" and cites Einstein as acknowledging his claim.

Papers

Dirac, P. A. M. (Paul Adrien Maurice), Nov. 8, 1933 9x7
1902-1984

Letter to [John H.] Van [Vleck];

Cambridge, Eng., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Sent his paper to the Royal Society and believes it was accepted. Conference on nuclei.

Van Vleck, J. H. (John Hasbrouck), 1899- May 23, 1934 11x8-1/2

Letter to [Hendrik A.] Kramers;

Typed L. 1p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning ferromagnetic anisotropy.

Dirac, P. A. M. (Paul Adrien Maurice), July 22, 1934 9x7
1902-1984

Letter to [John H.] Van [Vleck];

Cambridge, Eng., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Plans for travelling in the U.S. West.

Dirac, P. A. M. (Paul Adrien Maurice), Sept. 20, 1934 10-1/2x7-1/4
1902-1984

Letter to [John H.] Van [Vleck];

Bryce Cañyon Nat. Park, Utah, A.L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) His adventures in the West.

Dirac, P. A. M. (Paul Adrien Maurice), Oct. 30, 1934 10x8
1902-1984

Letter to [John H.] Van [Vleck];

Princeton, N.J., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Would like to lecture at Cambridge. His travels in the West.

Dirac, P. A. M. (Paul Adrien Maurice), Feb. 13, 1935 10x8
1902-1984

Letter to [John H.] Van [Vleck];

Papers

Princeton, N.J., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Will fly to Boston to lecture and meet people.

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984 Feb. 22, 1935 10x8

Letter to Mrs. [Abigail] Van [vleck];

Princeton, N.J., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Thanks for the week-end. Describes his flight back to Princeton from Boston.

Mulliken, Robert Sanderson March 25, [1935] 11x8-1/2

Letter to [John H.] Van [Vleck];

ca. A.L.S.: Mully. 4p. (see Archive for the History of Quantum Physics No.2.) Discusses points at issue and the main point of "configuration method."

Mulliken, Robert Sanderson July 1, [1935] 11x8-1/2

Letter to [John H.] Van [Vleck];

Chicago, Ill., ca. A.L.S.: Mully. 3p. (see Archive for the History of Quantum Physics No.2.) Comments on his [Van Vleck] publication and suggests corrections and revisions, especially for work on electrons.

Dirac, P. A. M. (Paul Adrien Maurice), 1902-1984 Oct. 14, 1935 9x6

Letter to [John H.] Van [Vleck];

Cambridge, Eng., A.L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) His travels in the Far East. His views on conferences. Friendly letter.

Darwin, Charles Galton, Sir, 1887-1962 Sept. 9, 1937 11-1/4x9

Letter to [John H.] Van Vleck;

Cambridge, Eng., A.L.S. 6p. (see Archive for the History of Quantum Physics.No.2.) His ideas on Lars Onsager and the theory of magnets and dielectric fields.

Van Vleck, J. H. (John Hasbrouck), 1899- Sept. 28, 1937 11x8-1/2

Letter to [Sir] C[harles] G. Darwin,
Cambridge, Eng.;

Papers

Typed L. 2p. Carbon copy. (see Archive for the History of Quantum Physics. No.2.) Concerning Onsager and his theory.

Kronig, R[alph] de L[aer], 1904-	Nov. 21, 1938	11-1/2x8
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Letter to [John H.] Van Vleck, Cambridge, Mass.;

Groningen, Germany, Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Concerning their work on atomic physics

Casimir, H. B. G. (Hendrik Brugt Gerhard), 1909-	Sept. 23, 1957	11-1/2x8
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Letter to J[ohn] H. Van Vleck, Cambridge, Mass.;

Eindhoven, Netherlands, Typed L.S. 1p. (see Archive for the History of Quantum Physics. No.2.) Congratulates him on his evaluation of Becquerel and says that Kramers was helped by Becquerel.

Goudsmit, Samuel Abraham, 1902-	March 22, 1959	11x8-1/2
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Letter to [John H.] Van [Vleck];

Upton, Long Island, N.Y., Typed L.S. 2p. (see Archive for the History of Quantum Physics. No.2.) Quantum physics in the 1920's. Teaching physics today with little reference to the 1920's.
