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## Guide to the Walter Guyton Cady Papers

NMAH.AC.0046

James A. Steed

1975

Archives Center, National Museum of American History  
P.O. Box 37012  
Suite 1100, MRC 601  
Washington, D.C. 20013-7012  
archivescenter@si.edu  
<http://americanhistory.si.edu/archives>

# Table of Contents

Collection Overview .....	1
Administrative Information .....	1
Biographical / Historical.....	1
Arrangement.....	2
Scope and Contents.....	2
Names and Subjects .....	3
Container Listing .....	4
Series 1: Research Notebooks, 1896-1972.....	4
Series 2: Chapter Drafts for Piezoelectricity and Introduction to the Theory and Applications of Electromechanical Phenomena in Crystals, 1945.....	14
Series 3: Technical Reprint File, 1900s-1960s.....	16
Series 4: Walter G. Cady Writings and Reviews, 1950s-1960s.....	45
Series 5: Consultant Work, 1931-1967.....	46
Series 6: Institute of Radio Engineers, 1945-1963.....	49
Series 7: Institute of Electrical and Electronics Engineers (IEEE), 1932-1973.....	51
Series 8: Patent Records, 1914-1974.....	52
Series 9: Books, 1887-1960.....	54
Series 10: Miscellaneous, 1949-1973.....	55
Series 11: Card Index Files, 1940s-1960s.....	56

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Walter Guyton Cady Papers
<b>Identifier:</b>	NMAH.AC.0046
<b>Date:</b>	1903-1974
<b>Extent:</b>	22.5 Cubic feet (73 boxes)
<b>Creator:</b>	Cady, Walter Guyton, 1874-1973 (physicist) Electricity and Modern Physics, Division of, NMAH, SI.
<b>Language:</b>	English .
<b>Digital Content:</b>	<a href="#">Image(s): Walter Guyton Cady Papers</a>

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## Administrative Information

### Provenance

Transferred to the Archives from the Division of Electricity on May 21, 1983.

### Processing Information

Collection processed by James Steed, 1975

### Preferred Citation

Walter Guyton Cady Papers, 1903-1974, Archives Center, National Museum of American History.

### Restrictions

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## Biographical / Historical

Walter Guyton Cady (1874 1973) was born in Providence, Rhode Island. He graduated from Brown University (Bachelors 1895 and Masters 1897) and from the University of Berlin (Ph. D. Physics, 1900). Cady worked at a magnetic observatory of the U.S. Coast and Geodetic Survey from 1900-1902. In

1902, Cady joined the faculty of Wesleyan University as a professor of physics where he remained until 1946. During WW I, Cady used piezoelectricity—electricity or electric polarity due to pressure especially in a crystalline substance as quartz—and underwater sound to make devices that would locate enemy submarines. From this work evolved the crystal resonator and oscillator. Piezoelectricity is utilized in microphones, phonograph pickups, and telephone communications systems.

During World War II, Cady worked on military applications of piezoelectricity. Among the applications were supersonic trainers for radar operators, which employed piezoelectric transducers in liquid tanks to generate realistic echoes on radar indicators. In 1946, Cady published a book titled *Piezoelectricity An Introduction To The Theory And Applications Of Electromechanical Phenomena In Crystals*, 1946. After his retirement in 1951 to Pasadena, California, Cady returned to Providence, Rhode Island in 1963 and was active in consulting work for industry and the Federal government. Cady was an active member of Institute of Radio Engineers (IRE), becoming a fellow of the institute in 1927 and receiving the Morris N. Liebmann Memorial Award in 1928. He also received the Dudell Medal from the Physics Society of Great Britain in 1936. Cady also served as an editor for the *PROCEEDINGS OF IRE* and as president of IRE, was Editor of the *Physical Review* from 1924-1926, a member of the national Research Committee, 1935-1938, and a fellow of the American Academy of Arts and Sciences. Cady's principal interests included the study of electrical discharges in gases, detection of wireless waves, piezoelectricity, ultrasonics, piezoelectric resonators and oscillators, and crystal devices.

Cady married Kathrin Olive Miller (1883-1909) and they had one son, Willoughby Miller Cady (1907-1953), also a physicist.

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## Scope and Contents

Consists chiefly of Cady's research notebooks on various subjects in physics and a considerable technical reprint file; some records of Cady's consultant work and patents granted.

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## Arrangement

Divided into 11 series.

Series 1: Research Notebooks, 1896-1972

Series 2: Chapter Drafts for *Piezoelectricity An Introduction To The Theory And Applications Of Electromechanical Phenomena In Crystals*, 1945

Series 3: Technical Reprint Files, 1900s-1960s

Series 4: Walter G. Cady's Writings and Reviews, 1950s-1960s

Series 5: Consultant Work, 1931-1967

Series 6: Institute of Radio Engineers (IRE), 1945-1963

Series 7: Institute of Electric and Electronics Engineers (IEEE), 1932-1973

Series 8: Patent Records, 1914-1974

Series 9: Books, 1887-1960

Series 10: Miscellaneous, 1949-1973

Series 11: Card Indexes, 1940s-1960s.

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Crystal devices
- Electrical science and technology
- Physicists
- Physics
- Piezoelectric resonators
- Piezoelectricity
- Professors
- Resonators
- Scientists
- Ultrasonics

Types of Materials:

- Notebooks

Names:

- Electricity and Modern Physics, Division of, NMAH, SI.

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## Container Listing

### Series 1: Research Notebooks, 1896-1972

The notebooks are arranged according to Cady's original groupings. Cady labeled each notebook using an alpha-numeric system. In some instances, a date range and a brief listing of the subjects/topics covered in the notebook are provided in the container list.

#### Subseries 1.1: Alphabetic Notebooks, 1919-1972

Box 73, Folder 10	Notebook Q, 1930-1935
Box 1, Folder 1	Notebook AV, undated
Box 1, Folder 2	Notebook AD, undated
Box 1, Folder 3	Notebook A, undated
Box 1, Folder 4	Notebooks AM, undated
Box 1, Folder 5	Notebook AMAS, undated
Box 1, Folder 6	Notebook AC, undated
Box 1, Folder 7	Notebook AK, undated
Box 2, Folder 1	Notebook AR, undated
Box 2, Folder 2	Notebook AV, undated
Box 2, Folder 3	Notebook B, Resonator theory, vibrating rods and circle diagram, 1935-1962
Box 2, Folder 4	Notebook C, Resonance circle, current limiting device (crystal filter), and methods for determining resonator constants, 1920-1934
Box 2, Folder 5	Notebook D, Resonator theory, short electrodes, equivalent stiffness, and harmonics, 1935
Box 2, Folder 6	Notebook E, Rotated cuts, transformation of axes, air gap, resonator theory, graphical methods and notes on Giebe and Scheibe, 1935-1937
Box 3, Folder 1	Notebook F, Rochelle salt theory, Mueller's work, L-cut, comments on Currie book, and thermodynamic equations, 1936-1938

- Box 3, Folder 2 Notebook H, Quartz steel resonator theory, 1920-1921
- Box 3, Folder 3 Notebook J, Hypothetical devices, thermo-electric vibrator, photo-cell to control vibrations, energy produced by a rotating dielectric, television by totally reflecting prism, optical transmission line, reading device for the blind, ultrasonic images, ultrasonic echo, and river dredging 1930-1956
- Box 3, Folder 4 Notebook K, Rochelle salt classic constants, aluminum octant, L-cut, Strabel contour, 1937-1940
- Box 3, Folder 5 Notebook CB, Rochelle salt classic constants, aluminum octant, L-cut, Strabel contour, 1948-1949
- Box 3, Folder 6 Notebook CQ, Rochelle salt classic constants, aluminum octant, L-cut, Strabel contour, 1952-1956
- Box 3, Folder 7 Notebook L, Graphical methods, crystallography, Rochelle salt resonator and theory, polarization theory, thermodynamics, notes on Giebe, Scheibe And Koga, and the history of amber, 1938-1940
- Box 3, Folder 8 Notebook M, Resonator theory, flexure, resonance circle, inversion, stabilization, and tourmaline, 1928-1934
- Box 4, Folder 1 Notebook N, Beginning of resonator theory for rod, circle diagram, air gaps, flexural vibrations, equivalent constants, shear vibrations, and quartz cuts, 1921-1930
- Box 4, Folder 2 Notebook S, Shear and flexural vibrations, Y-cut resonator, rotated y-cut, 1927-1936
- Box 4, Folder 3 Notebook T, Resonator theory, crevasse method, resonance circle, space charge, gap effect, and polarization, 1929-1937
- Box 4, Folder 4 Notebook U, Tartaric acid, Rochelle salt, metallic crystals, acoustic reflection and pressure, 1919-1948
- Box 4, Folder 5 Notebook V, Rochelle salt, ferromagnetism, magnetostriction, piezomagnetism, pyroelectricity, electro and piezo-optics, 1938-1940
- Box 4, Folder 6 Notebook W, Christoffel theory, ellipsoids of elast, flexure, torsion, Rochelle salt resonator and theory, and quartz vibrations, 1940-1941
- Box 4, Folder 7 Notebook X, Earliest piezoelectric observations in Schenectady, primitive transducers of quartz and Rochelle salt, toggle receiver, submarine detection, and first attempt at piezo-oscillator, 1917-1919

- Box 5, Folder 1 Notebook Y, 1Resonator theory, graphical methods, tensorial pyroelectricity, vibrations with gap, electrostriction, electrets, stereographic projection, and transducers, 941-1943
- Box 5, Folder 2 Notebook Z, Elastic constants, rotated axes, resonator theory, graphical methods, etch figures, and accelerometer, 1943-1944
- Box 5, Folder 3 Notebook BA, Polarization, charge, and displacement theories of Rochelle salt, space charge, transducer theory, beginning of piezoelectric receiver theory and PN and L-cut crystals, 1945-1946
- Box 5, Folder 4 Notebook BC, 1Notes on ultrasonics, streaming acoustic energy, mostly in connection with the Radiation Laboratory contract, 945
- Box 5, Folder 5 Notebook BD, Radiation Laboratory Report, corrections correspondence, radiometer and receiver theory, 1947-1955
- Box 6, Folder 1 Notebook BF, Voigt theory, transducer and resonator theories, 1945-1946
- Box 6, Folder 2 Notebook BG, Thickness vibrations in ADP, capacitance bridge, transducer theory, receiving transducer, and graphical methods, 1945-1950
- Box 6, Folder 3 Notebook BH, Acoustic streaming and acoustic radiometer, 1945
- Box 6, Folder 4 Notebook BJ, Energy equations, and space charge theory, 1946-1950
- Box 6, Folder 5 Notebook BL, Dietz's notes on ultrasonics, 1945-1946
- Box 6, Folder 6 Notebook CK, Cavity radiometer, 1950-1951
- Box 7, Folder 1 Notebook BE, Instrumental data, 1948-1949
- Box 7, Folder 2 Notebook BM, Ordwes and color filters, 1946
- Box 7, Folder 3 Notebook BR, Notes from Brush Company, 1940-1945
- Box 7, Folder 4 Notebook WV, Notes on Wooster and Voigt, 1939
- Box 7, Folder 5 Notebook BN, Transducers, cavity radiometer, capacitance bridge, and space charge, 1949-1952
- Box 7, Folder 6 Notebook BP, Notes on Wesleyan ONR reports, 1947-1950
- Box 7, Folder 7 Notebook BQ, 1Goodman's notes, 1947-1948



Box 7, Folder 8 Notebook BS, Condenser radiometer, lengthwise vibration theory, optical methods in ultrasonics, transducer and resonator theory, 1947-1948

Box 8, Folder 1 Notebook BT, Log of visits received, applicants for assistantships, and ONR business, 1945-1956

Box 8, Folder 2 Notebook BU, ADP transducer and L-cut, 1947-1952

Box 8, Folder 3 Notebook BW, Transducer equations, composite resonator, and space charge, 1948-1949

Box 8, Folder 4 Notebook BY, Cavity radiometer and power measurement, 1948-1949

Box 8, Folder 5 Notebook CA, Cady's personal notes on cricket chirps, mirages, micro-photography and record of color slides, 1961-1968

Box 8, Folder 6 Notebook CC, Capacitance bridge and circle diagram, 1949-1950

Box 9, Folder 1 Notebook CE, Crystal equivalent network, ultrasonic reflection, and tractrix., 1951-1963

Box 9, Folder 2 Notebook CH, Acoustic absorption and Borgnis notes, 1950

Box 9, Folder 3 Notebook CL, Transducers as receivers and space charge., 1950

Box 9, Folder 4 Notebook CM, Transducer and resonator theory, project of generating acoustic waves at frequency 3000 megacycles, (see also Notebook AV), 1951-1953

Box 9, Folder 5 Notebook CO, Variable frequency interferometer, transducers, 3000 megacycles, crystals as receivers and acoustic radiometer, 1950-1954

Box 9, Folder 6 Notebook CP, 15 megacycle transducers, resonance circle, and 15 megacycle thickness resonators, 1951-1952

Box 10, Folder 1 Notebook CR, Measurement of acoustic intensity, 1951-1953

Box 10, Folder 2 Notebook CS, 3000 megacycle, 1955

Box 10, Folder 3 Notebook DA, Beginning of work at 3000 megacycles and composite resonator, 1950-1960

Box 10, Folder 4 Notebook DD, Transducer as receiver and acoustic filter, 1954

Box 10, Folder 5 Notebook DC, 3000 megacycle, composite resonator, and capacitance bridge, 1953-1954

Box 10, Folder 6	Notebook DE, Electrets, monolayers and 3000 megacycle, 1953-1958
Box 10, Folder 7	Notebook DG, 3000 megacycle and acoustic filters, 1955
Box 10, Folder 8	Notebook DH, Acoustic filters., 1954
Box 11, Folder 1	Notebook DJ, Double piezoelectric resonator, thickness transducer, and plate with detuned backing, 1955-1956
Box 11, Folder 2	Notebook DN, Work for Mullenbach on electrostriction, 1955-1959
Box 11, Folder 3	Notebook DP, Work for Mullenbach and electrostriction theory, 1956-1958
Box 11, Folder 4	Notebook DS, Electrostriction, broad-band transducer, consulting work, and rotating electric field, 1959-1960
Box 11, Folder 5	Notebook DR, 1Electrostriction and notes on consulting work, 959
Box 11, Folder 6	Notebook DQ, Electrostriction and work for Mullenbach, 1958
Box 12, Folder 1	Notebook DT, Broad-band transducer, visible acoustic images, consulting work, two-way accelerometer and electrostriction, 1960-1961
Box 12, Folder 2	Notebook DU, Consultant work and 2-way and other forms of accelerometer, 1951-1963
Box 12, Folder 3	Notebook DU, Consultant work and 2-way and other forms of accelerometer, 1964-1965
Box 12, Folder 4-5	Notebook DX, Tests of crystals for accelerometer, 1-way, 2-way and 3-way devices, theory, equivalent network, coupling factor, power, use of magnetostriction and capacitance, work as consultant, and manuscript for paper, 1965-1969
Box 12, Folder 6	Notebook DY, Consulting work, rotating and oscillating electric fields, shear rules for 1-way and 2-way, DC transmission, generator and motor, 1967-1970
Box 13, Folder 1	Notebook DY, Consulting work, rotating and oscillating electric fields, shear rules for 1-way and 2-way, DC transmission, generator and motor, 1970-1972
Box 13, Folder 7	Notebook RS (A-K), Papers on Rochelle salt arranged according to author, [circa 1940s?]

- Box 14, Folder 1 Notebook RS (E-K), Papers on Rochelle salt arranged according to author., [circa 1930s?]
- Box 14, Folder 2 Notebook RS (L-MO), [Papers on Rochelle salt arranged according to author, circa 1930s-1940s?]
- Box 14, Folder 3 Notebook RS (MU-R), [Papers on Rochelle salt arranged according to author, circa 1930s?]
- Box 14, Folder 4 Notebook RS (S-Z), Papers on Rochelle salt arranged according to author., [circa 1930s?]

### Subseries 1.2: Numeric Notebooks, 1903-1948

- Box 17, Folder 1 Notebook 1, Miscellaneous notes on apparatus at Wesleyan, 1903-1904
- Box 17, Folder 2 Notebook 2, Magnetic variometer, bolometer, glow-arc, and rotation in the electric arc, 1905-1909
- Box 17, Folder 3 Notebook 3, Glow-arc, arc rotations, and vaporizing cathode, 1909-1912
- Box 17, Folder 4 Notebook 4, Singing transformer, hertz waves, and magnetic variometer, 1907-1910
- Box 17, Folder 5 Notebook 5, Perikon and silicon detectors and signing arc, 1909-1913
- Box 17, Folder 6 Notebook 6, Electrolytic detector, coherer, astigmatism tests with CS<sub>2</sub> lens, arc rotations and W and Mo arcs, 1908-1912
- Box 17, Folder 7 Notebook 7, Magnetic variometer and aluminum anode 1910-1912, undated
- Box 17, Folder 8 Notebook 9, Nickel arc, rotations, vaporizing cathode, signing arc and quenched spark, 1912-1916
- Box 17, Folder 9 Notebook 10, Arc rotations, vaporizing cathode, Hg and W arcs, 1912-1913
- Box 17, Folder 10 Notebook 11, Aluminum cell for radio, 1912-1913
- Box 17, Folder 1 Notebook 12, ron arc rotations, first observation of negative capacitances of Rochelle salt, and first quartz wavelength standards, 1912-1919
- Box 17, Folder 12 Notebook 13, Arc rotations and radio transmitters, 1913-1916
- Box 18, Folder 1 Notebook 14, Iron arc and aluminum cell, 1913-1914

- Box 18, Folder 2      Notebook 15, Aluminum cell, 1913
- Box 18, Folder 3      Notebook 16, Radio and miscellaneous observations, 1914
- Box 18, Folder 4      Notebook 17, Radio and miscellaneous observations, 1914
- Box 18, Folder 5      Notebook 18, Adion, disturbance silencer, glow arc, and submarine detection by electrolytic method, 1914-1917
- Box 18, Folder 6      Notebook 19, Radio and magnetic variometer, 1914-1915
- Box 18, Folder 7      Notebook 20, Test in New London, CT, transducers, Rochelle salt, and cooperation with British Association, 1914-1918
- Box 18, Folder 8      Notebook 21, Radio and miscellaneous observations, 1915-1916
- Box 18, Folder 9      Notebook 22, Magnetograph, theory and formulas, series and parallel capacitances, 1915-1937
- Box 18, Folder 10     Notebook 23, Rochelle salt, observations in tank, transducers, shear receivers, New London, CT tests, 1917-1918
- Box 19, Folder 1      Notebook 25, First notes and tests on stabilization and resonator tests, 1919-1921

[Four selected pages from the Walter G. Cady's Notebook 25], 1919 - 1921  
*2 Items (Ink on paper; 8.5" x 10.7".)*

[Image\(s\): \[Four selected pages from the Walter G. Cady's Notebook 25\].](#)

[Image\(s\): \[Four selected pages from the Walter G. Cady's Notebook 25\].](#)

Cady, Walter Guyton, 1874-1973 (physicist), Author  
English.

In Box 19, Folder 1.

#### Local Numbers

AC0046-0000001-01.tif (AC Scan No.)

AC0046-0000001-02.tif (AC Scan No.)

Topic:            Scientists  
Genre/            Notebooks  
Form:

- Box 19, Folder 2      Notebook 26, 1Early experiments at Wesleyan on crystal resonators and stabilizers. First crystal-controlled oscillator, stabilization, quartz-steel resonators, vibration o column of liquid, crystal-driven tuning fork, crystals for

- Bureau of Standards, key tapping, comparison with standards in Europe 1923, 1921-1924
- Box 19, Folder 3 Notebook 27, Resonator and oscillator tests, 1921-1927
- Box 19, Folder 4 Notebook 29, Resonator stabilizer oscillator, Naval Research Lab tests, demonstrations, 1924-1936
- Box 19, Folder 5 Notebook 30, Resonator, silica bar, pinwheel effect from sand, 1927-1928
- Box 20, Folder 1 Notebook 31, Rochelle salt resonator, flexure, torsion, sand patterns, coefficients, etch figures, undated
- Box 20, Folder 2 Notebook 32, Stereoscope, Rochelle salt, L-cut discovery, Rochelle salt motor, etching tests, rodometer devised by Gerald Holton, key tapping, and quartz bilame from Gramont, 1929-1942
- Box 20, Folder 3 Notebook 34, Surface tension pivot, silver arc, Rochelle salt tests, and optically driven resonator, 1928-1937
- Box 20, Folder 4 Notebook 35, Rochelle salt tests, flexure, and torsion., 1931-1932
- Box 20, Folder 5 Notebook 36, The L-cut, optical system of rodometer, and flicker method for quartz, 1937-1943
- Box 21, Folder 1 Notebook 37, Etch figures on Rochelle salt and electroscopes wattmeter, 1943-1945
- Box 21, Folder 2 Notebook 38, Holton's notes on the rodometer, 1943
- Box 21, Folder 3 Notebook 39, Rodometer adjustment, 1943
- Box 21, Folder 4 Notebook 40, 1Power amplifier and impedance matching, 1947-1948
- Box 21, Folder 5 Notebook 41, Glow-arc oscillators, 1908
- Box 21, Folder 6 Notebook 42, Magnetic declinograph, 1909-1916
- Box 21, Folder 7 Notebook 43, Various ideas for production of continuous oscillations, including piezoelectric, ideas for submarine detection, and molecular switch, 1915-1917
- Box 21, Folder 8 Notebook (unidentified), 1897

**Subseries 1.3: Record Books, 1896-1946**

- Box 13, Folder 2      Record Book 1, ncludes: magnetic variometer (declinograph), arc rotations, singing arc, glow arc, 1906-1909
- Box 13, Folder 3      Record Book 2, ncludes curve tracing top at Brown University, thesis work on cathode rays at Berlin, glow arc, vaporizing cathode, and arc rotations at Wesleyan, 1896-1912
- Box 13, Folder 4      Record Book 3, Includes: vaporizing cathode, arc rotations, quartz resonator, and Rochelle salt, 1912-1928
- Box 13, Folder 5      Record Book 4, Includes: quartz oscillator, flexural, quartz plate vibrated by polarized light, adiabatic heat of compression, and polariscope, 1931-1943
- Box 13, Folder 6      Record Book 5, Rochelle salt thread-cutter, signing arc, and miscellaneous piezoelectric tests, 1922-1946
- Box Unknown      Subseries 1.4: Miscellaneous Notebooks, 1917 1963
- Box 22, Folder 1      Notebook AH, Abstracts on surface chemistry, undated
- Box 22, Folder 2      Notebook AU, Abstracts from various authors on Ultrasonics, undated
- Box 22, Folder 3      Notebook on Crystal Optics, Notes for preparation of book on piezoelectricity, undated
- Box 22, Folder 4      Notebooks MM, R and P, Types of piezoelectric strain, Tourmaline, and graphical modes, 1919-1940
- Box 22, Folder 5      Notebook MW, Series and parallel resonance, anti-resonance, and graphical representation, 1931-1936
- Box 22, Folder 6      Notebook NE, Lectures at Navy Electronics lab on transducers, 1948
- Box 22, Folder 7      Notebook NL, Lectures at Naval Ordnance Laboratory on elasticity and piezoelectricity and problems, 1948-1949
- Box 22, Folder 8      Notebook ST, tereoscopy, mirror device for attachment to camera, 1936
- Box 22, Folder 9      Notebook on UCLA Course #198, Notes on lecture courses given and problems given, 1947
- Box 23, Folder 1      Notebook on 11 Resonance, 1927-1937
- Box 23, Folder 2      Notebook on Piezoelecricity, 1917-1924

*[Return to Table of Contents](#)*

**Series 2: Chapter Drafts for *Piezoelectricity and Introduction to the Theory and Applications of Electromechanical Phenomena in Crystals*, 1945**

Series includes drafts of chapters (#1-#31), one appendix and indices for Cady's book *Piezoelectricity An Introduction To The Theory And Applications Of Electromechanical Phenomena In Crystals*, published in 1946.

Box 14, Folder 5	Chapter Preface, 1945
Box 14, Folder 6	Chapter 1: Introduction,, 1945
Box 14, Folder 7	Chapter 2: Crystallography, 1945
Box 14, Folder 8	Chapter 3: Crystal Elasticity, 1945
Box 14, Folder 9	Chapter 4: Rotated Axes and Transformation of Elastic Constants, 1945
Box 15, Folder 1	Chapter 5: Vibrations of Crystals, 1945
Box 15, Folder 2	Chapter 6: Elastic Constants of Crystals 1945, undated
Box 15, Folder 3	Pi Index, undated
Box 15, Folder 4	Chapter 7: Dielectric Properties of Crystals,, 1945
Box 15, Folder 5	Chapter 8: Principles of Piezoelectricity, 1945
Box 15, Folder 6	Chapter 9: Special Piezoelectric Properties of Certain Crystals, 1945
Box 15, Folder 7	Chapter 10: Production and measurement of Piezoelectric Effects, 1945
Box 15, Folder 8	Chapter 11: Alternative Formulations of Piezoelectric Theory, 1945
Box 15, Folder 9	Chapter 12: Secondary Piezoelectric Effects, undated
Box 15, Folder 10	Chapter 13: The Piezoelectric Resonator, undated
Box 15, Folder 11	Chapter 14: The Electrical Equivalent of the Piezo-Resonator, undated
Box 15, Folder 12	Chapter 15: The Dynamic Measurement of Piezoelectric and Equivalent Electrical Constants, undated
Box 15, Folder 13	Chapter 16: Properties and Techniques of Quartz, undated



Box 16, Folder 1	Chapter 17: The Quartz Resonator, undated
Box 16, Folder 2	Chapter 18: Resonators from Other Crystals and Composite Resonators, undated
Box 16, Folder 3	Chapter 19: The Piezo-Oscillator, undated
Box 16, Folder 4	Chapter 20: Rochelle Salt: History, General Properties and Technique, undated
Box 16, Folder 5	Chapter 21: Rochelle Salt Piezoelectric Observations, undated
Box 16, Folder 6	Chapter 22: Rochelle Salt Dielectric Observations, undated
Box 16, Folder 7	Chapter 23: Theory of Rochelle Salt, Part 1 the Interaction Theory and Dielectric Properties, undated
Box 16, Folder 8	Chapter 24: Theory of Rochelle Salt, Part 2 Piezoelectric and Elastic Properties, Curie-Weiss Laws, and Conclusions, undated
Box 16, Folder 9	Chapter 25: The Domain Structure of Rochelle Salt, undated
Box 16, Folder 10	Chapter 26: Internal-Field Theory of Seignette-Electric Crystals, undated
Box 16, Folder 11	Chapter 27: Other Seignette-Electric Crystals, undated
Box 16, Folder 12	Chapter 28: Miscellaneous Applications of Piezoelectricity, undated
Box 16, Folder 13	Chapter 29: Pyroelectricity, undated
Box 16, Folder 14	Chapter 30: Piezo-optic, Electro-optic, and Other Optical effects, undated
Box 16, Folder 15	Chapter 31: Piezoelectricity in the Light of Atomic Theory, undated
Box 17, Folder 13	Appendix 1: Ferromagnetism, undated
Box 17, Folder 14	Name Index, undated
Box 17, Folder 15	Subject Index, undated

*[Return to Table of Contents](#)*

## Series 3: Technical Reprint File, 1900s-1960s

English, Czech, French, German, Japanese, Italian, Russian.

Arranged alphabetically by the author's surname, these files contain reprints of articles dealing with piezoelectricity and other aspects of physics that informed Cady's work. In some instances, Cady has annotated the articles.

Box 23, Folder 3	Achyuthan, K., undated
Box 23, Folder 4	Adams, Edwin P., undated
Box 23, Folder 5	Adams, L.H., undated
Box 23, Folder 6	Adelsberger, von U., undated
Box 23, Folder 7	Adler, Laszlo, undated
Box 23, Folder 8	Aggarwal, Ram Ratan, undated
Box 23, Folder 9	Aircraft noise, undated
Box 23, Folder 10	American Standards Association, undated
Box 23, Folder 11	Anderson, J.A., undated
Box 23, Folder 12	Anderson, T.C., undated
Box 23, Folder 13	Ardenne, von Manfred, undated
Box 23, Folder 14	Andreev, N.N. [Andrejew, von N.], undated
Box 23, Folder 15	Arenberg, David L., undated
Box 23, Folder 16	Armour Research Foundation, undated
Box 23, Folder 17	Armstrong, E.J., undated
Box 23, Folder 18	Arnold, H.D., undated
Box 23, Folder 19	Atanasoff, John V., undated
Box 23, Folder 20	Awender, von Hans, undated
Box 23, Folder 21	Baerwald, H.G., undated

Box 23, Folder 22	Bailitis, von Eduard, undated
Box 23, Folder 23	Bajuline, P., undated
Box 23, Folder 24	Baker, W.O., undated
Box 23, Folder 25	Balakrishna, S., undated
Box 23, Folder 26	Balamuth, Lewis, undated
Box 23, Folder 27	Baldwin, William, undated
Box 23, Folder 28	Ballatine, Stuart, undated
Box 23, Folder 29	Banderet, Edmond, undated
Box 23, Folder 30	Bantle, von Werner, undated
Box 23, Folder 31	Baranski, K.N., undated
Box 23, Folder 32	Barnes, James M., undated
Box 23, Folder 33	Barr, E. Scott, undated
Box 23, Folder 34	Barrett, R.E., undated
Box 23, Folder 35	Bartschi, undated
Box 24, Folder 1	Basri, S.A., undated
Box 24, Folder 2	Bates, Glen L., undated
Box 24, Folder 3	Bauer, L.A., undated
Box 24, Folder 4	Baum, Gilbert, undated
Box 24, Folder 5	Bauzlin, Par P., undated
Box 24, Folder 6-7	Bechmann, von Rudolph, undated
Box 24, Folder 8	Becker, von Gerhard, undated

Box 24, Folder 9	Beckwith, T.D., undated
Box 24, Folder 10	Bell, G.D., undated
Box 24, Folder 11	Belser, Richard B., undated
Box 24, Folder 12	Bender, William, undated
Box 24, Folder 12A	Benesch, O., undated
Box 24, Folder 13	Bennett, W.P., undated
Box 24, Folder 14	Benson, J.E., undated
Box 24, Folder 15	Bergmann, von L., undated
Box 24, Folder 16	Berlincourt, Don A., undated
Box 24, Folder 17	Bertsch, Carl V., undated
Box 24, Folder 18	Bettler, Philip C., undated
Box 24, Folder 19	Beyer, Robert T., undated
Box 25, Folder 1	Bhagavantam, S., undated
Box 25, Folder 2	Bhismasenchar, J., undated
Box 25, Folder 3	Billings, Bruce H., undated
Box 25, Folder 4	Biquad, P., undated
Box 25, Folder 5	Bisang, Lothar, undated
Box 25, Folder 6	Bloch, A., undated
Box 25, Folder 7	Blodgett, Katharine B., undated
Box 25, Folder 8	Bloomenthal, Sidney, undated
Box 25, Folder 9	Boella, Mario, undated
Box 25, Folder 10	Bokoy, S.A., undated

Box 25, Folder 11	Boley, F.I., undated
Box 25, Folder 12	Bond, W.L., undated
Box 25, Folder 13	Borgnis, F.E., undated
Box 25, Folder 14	Bosarelli, Cesare, undated
Box 25, Folder 15	Bosshard, von W., undated
Box 25, Folder 16	Bottema, von O., undated
Box 25, Folder 17	Bouwkamp, C.J., undated
Box 25, Folder 18	Boyle, R.W., undated
Box 26, Folder 1	Brandt, O., undated
Box 26, Folder 2	Breazeale, M.A., undated
Box 26, Folder 3	Bridgman, P.W., undated
Box 26, Folder 4	Brody, S.S., undated
Box 26, Folder 5	Brown, S. Leroy, undated
Box 26, Folder 6	Brown, William F., undated
Box 26, Folder 7	Brues, Charles T., undated
Box 26, Folder 8	Bruzau, M., undated
Box 26, Folder 9	Bureau of Standards, undated
Box 26, Folder 10	Burlage, S.R., undated
Box 26, Folder 11	Burstein, Elias, undated
Box 26, Folder 12	Busch, von G., undated
Box 26, Folder 13	Bristich Report on quartz crystal as a generator, 1943

Box 26, Folder 14	Cady, Willoughby Miller, undated
Box 26, Folder 15	Carlin, Herbert J., undated
Box 26, Folder 16	Carpenter, R.O., undated
Box 26, Folder 17	Caspari, M.E., undated
Box 26, Folder 18	Casper, W.L., undated
Box 26, Folder 19	Cedrone, N.P., undated
Box 26, Folder 20	Ceramics, undated
Box 26, Folder 21	Cerovska, J., undated
Box 26, Folder 22	Chakravarti, S.P., undated
Box 26, Folder 23	Chalupa, B., undated
Box 26, Folder 24	Chemical, undated
Box 26, Folder 25	Ciaccia, Amleto, undated
Box 26, Folder 26	Cobbold, G.W.N., undated
Box 26, Folder 27	Cohen, I.B., undated
Box 26, Folder 28	Cohen, Ira M., undated
Box 26, Folder 29	Cohen, Robert S., undated
Box 26, Folder 30	Collins, J.H., undated
Box 27, Folder 1	Cook, Bill D., undated
Box 27, Folder 2	Cook, E.G., undated
Box 27, Folder 3	Cook, Richard K., undated
Box 27, Folder 4-7	Cook, William R., undated
Box 28, Folder 1-2	Cook William R., undated

Box 28, Folder 3	Cremer, Lothar, undated
Box 28, Folder 4	Crossley, A., undated
Box 28, Folder 5	Curran, D. R., undated
Box 28, Folder 6	David, Rene, undated
Box 28, Folder 7	Davies, R.M., undated
Box 28, Folder 8	Dawson, L.H., undated
Box 28, Folder 9	DeBretteville, A., undated
Box 28, Folder 10	Debye, P., undated
Box 28, Folder 11	D'Heedene, A.R., undated
Box 28, Folder 12	Del Grosso, V.A., undated
Box 28, Folder 13	Deresiewicz, H., undated
Box 28, Folder 14	Deutsch, Karl Wolfgang, undated
Box 28, Folder 15	DeWael, J., undated
Box 28, Folder 16	Dinsdale, A., undated
Box 28, Folder 17	Doerffler, Heinz, undated
Box 28, Folder 18	Dow, M. Thornton, undated
Box 28, Folder 19	Duffy, J., undated
Box 28, Folder 20	Dunn, Floyd, undated
Box 28, Folder 21	Drubba, von Helmut, undated
Box 28, Folder 22	Duvall, G.E., undated
Box 29, Folder 1	Dye, W.D., undated

Box 29, Folder 2	Eaton, Vernet E., undated
Box 29, Folder 3	Eccles, W.H., undated
Box 29, Folder 4	Echo Sounding, undated
Box 29, Folder 5	Eckart, Carl, undated
Box 29, Folder 6	Ehrlich, Stanley, undated
Box 29, Folder 7	Einspruch, Norman G., undated
Box 45, Folder 1	Einstein, A., undated
Box 29, Folder 8	Eller, Eldon, undated
Box 29, Folder 9	Ellis, A.T., undated
Box 29, Folder 10	Epstein, Paul S., undated
Box 29, Folder 11	Ernst, Paul J., undated
Box 29, Folder 12	Essen, L., undated
Box 29, Folder 13	Evans, Silas M., undated
Box 29, Folder 14	Fair, I.E., undated
Box 29, Folder 15	Faraday, Michael, undated
Box 29, Folder 16	Feaster, G.R., undated
Box 29, Folder 17	Feindt, von W., undated
Box 29, Folder 18	Ferrario, Mario, undated
Box 29, Folder 19	Ficken, George W., undated
Box 29, Folder 20	Field, G.S., undated
Box 29, Folder 21	Fieschi, R., undated
Box 29, Folder 22	Firestone, Floyd A., undated



Box 29, Folder 23	Fischer, von Friedrich, undated
Box 29, Folder 24	Fish, M.P., undated
Box 29, Folder 25	Flory, Paul J., undated
Box 45, Folder 2	Flow, Turbulent, undated
Box 29, Folder 26	Focke, A.B., undated
Box 29, Folder 27	Forsbergh, Peter W., undated
Box 29, Folder 28	Fotland, Richard A., undated
Box 29, Folder 29	Foye, W.G., undated
Box 29, Folder 30	Fox, Francis E., undated
Box 29, Folder 31	Fox, Gerald W., undated
Box 29, Folder 32	Fraser, A.N., undated
Box 29, Folder 33	Fraser, D.B., undated
Box 45, Folder 3	Freehafer, John E., undated
Box 29, Folder 34	Freimann, von L., undated
Box 29, Folder 35	Froman, D.K., undated
Box 29, Folder 36	Frondel, Clifford, undated
Box 30, Folder 1	Fry, T.H., undated
Box 30, Folder 2	Fry, William J., undated
Box 30, Folder 3	Fujimoto, T., undated
Box 30, Folder 4	Fukuo, H., undated
Box 30, Folder 5	Fumi, F.G., undated

Box 30, Folder 6	Furuichi, J., undated
Box 30, Folder 7	Fushimi, Shoichi, undated
Box 30, Folder 8	Gabel, Victor, undated
Box 30, Folder 9	Gainon, Denis J., undated
Box 30, Folder 10	Galt, J.K., undated
Box 30, Folder 11	Gates, H.F., undated
Box 30, Folder 12	Gazis, D.C., undated
Box 30, Folder 13	George, William D., undated
Box 30, Folder 14	Gerber, E.A., undated
Box 30, Folder 15	Gerson, Robert, undated
Box 30, Folder 16	Gerth, von F., undated
Box 30, Folder 17	Gessert, W.L., undated
Box 30, Folder 18	Giebe, E., undated
Box 30, Folder 19	Golay, Marcel J., undated
Box 30, Folder 20	Goldberg, H., undated
Box 30, Folder 21	Goldman, Stanford, undated
Box 30, Folder 22	Gordon, James, undated
Box 35, Folder 4	Gotz, von J., undated
Box 30, Folder 23	Goyder, C.W., undated
Box 30, Folder 24	Gramont, M. Armand, undated
Box 30, Folder 25	Granato, Andrew, undated
Box 30, Folder 26	Grant, P.E., undated

Box 30, Folder 27	Greenspan, Martin, undated
Box 30, Folder 28	Gregg, E.C., undated
Box 30, Folder 29	Greifer, Aaron P., undated
Box 30, Folder 30	Greninger, Alden B., undated
Box 30, Folder 31	Griffin, J.P., undated
Box 30, Folder 32	Griffing, Virginia, undated
Box 30, Folder 33	Grifone, Nicola, undated
Box 31, Folder 1	Gronwall, T.H., undated
Box 31, Folder 2	Gruetzmacher, Johannes, undated
Box 31, Folder 3	Grunbaum, Adolf, undated
Box 31, Folder 4	Gunn, Ross, undated
Box 31, Folder 5	[Guting?], L.J., undated
Box 31, Folder 6	Gutmann, F., undated
Box 31, Folder 7	Guttner, von Werner, undated
Box 45, Folder 5	Hablutzel, von J., undated
Box 31, Folder 8	Hagen, von C., undated
Box 31, Folder 9	Hagenbach, August, undated
Box 31, Folder 10	Hale, Danforth R., undated
Box 31, Folder 11	Hall, E.L., undated
Box 31, Folder 12	Hamilton, Andrew, undated
Box 31, Folder 13	Hamilton, J.H., undated

Box 31, Folder 14	Hammond, D.L., undated
Box 31, Folder 15	Handel, von P., undated
Box 31, Folder 16	Harding, J.W., undated
Box 31, Folder 17	Hargrove, L.E., undated
Box 31, Folder 18	Harnwell, G.P., undated
Box 45, Folder 6	Harris, Russell G., undated
Box 31, Folder 19	Harrison, J.R., undated
Box 31, Folder 20	Harrison, Walter A., undated
Box 31, Folder 21	Hartman, G.K., undated
Box 31, Folder 22	Harvard University, undated
Box 31, Folder 23	Harvey, E. Newton, undated
Box 31, Folder 24	Haskins, J.F., undated
Box 31, Folder 24A	Haupt,, undated
Box 31, Folder 25	Hausler, E., undated
Box 31, Folder 26	Haviga, E., undated
Box 31, Folder 27	Hayward, Roger, undated
Box 31, Folder 28	Hearman, R.F.S., undated
Box 31, Folder 29	Heaton, Vincent E., undated
Box 31, Folder 30	Heegner, Kurt, undated
Box 31, Folder 31	Hehlgans, F.W., undated
Box 31, Folder 32	Henkel, John H., undated
Box 31, Folder 33	Herget, Carl M., undated

Box 31, Folder 34	Herrick, J.F., undated
Box 31, Folder 35	Herzog, von Werner, undated
Box 32, Folder 1	Hestenes, Arnold D., undated
Box 32, Folder 2	Hewlett-Packard, undated
Box 32, Folder 3	Hiedemann, Egon A., undated
Box 32, Folder 4	Hikata, Akira, undated
Box 32, Folder 5	Hinderlich, A., undated
Box 32, Folder 6	Hippel, A. von, undated
Box 32, Folder 7	Hirsch, F.R., undated
Box 32, Folder 8	Hitchcock, R.C., undated
Box 32, Folder 9	Hoge, R.R., undated
Box 32, Folder 10	Hogg, Benjamin, undated
Box 32, Folder 11	Holden, A.N., undated
Box 32, Folder 12	Holton, G.H., undated
Box 32, Folder 13	Holton, Gerald J., undated
Box 32, Folder 14	Horton, J.W., undated
Box 32, Folder 15	Hostetter, J.C., undated
Box 32, Folder 16	Hovgaard, O.M., undated
Box 32, Folder 17	Howatt, G.N., undated
Box 32, Folder 18	Howry, Douglass, H., undated
Box 32, Folder 19	Hubbell, H.H., undated

Box 32, Folder 20	Huentner, T.F., undated
Box 32, Folder 21	Hull, A.W., undated
Box 32, Folder 22	Hund, August, undated
Box 32, Folder 23	Hunt, F.V., undated
Box 32, Folder 24	Hunter, R.S., undated
Box 32, Folder 25	Huntington, H.B., undated
Box 32, Folder 26	Hurley, D., undated
Box 32, Folder 27	Huter, Theodor, undated
Box 32, Folder 28	Hussey, L.W., undated
Box 32, Folder 29	Iida, Kumizi, undated
Box 32, Folder 30	Ikeda, Takuro, undated
Box 32, Folder 31	Ingerson, Earl, undated
Box 32, Folder 32	Ives, Herbert E., undated
Box 32, Folder 33	Iyengar, K.S., undated
Box 32, Folder 34	Jackson, C.H., undated
Box 32, Folder 35	Jacobsen, Lydik S., undated
Box 32, Folder 36	Jaffe, Bernard, undated
Box 32, Folder 37	Jaffee, Hans, undated
Box 32, Folder 38	Janszen, A.A., undated
Box 32, Folder 39	Jauncey, G.E.M., undated
Box 33, Folder 1	Jimbo, Seikichi, undated
Box 33, Folder 2	John, Ulrich von, undated

Box 33, Folder 3	Johnson, Walter H., undated
Box 33, Folder 4	Jones, O.E., undated
Box 33, Folder 4A	Jordan, von Pascual, undated
Box 33, Folder 5	Judd, Deane B., undated
Box 33, Folder 6	Junger, Miguel, undated
Box 33, Folder 7	Juretschke, Hellmut, undated
Box 33, Folder 8	Jurmain, Jacob H., undated
Box 33, Folder 9	Kane, T.R., undated
Box 33, Folder 10	Kannuna, M.M., undated
Box 33, Folder 11	Karapetoff, undated
Box 33, Folder 12	Kauter, W., undated
Box 33, Folder 13	Keary, W.V., undated
Box 33, Folder 14	Keat, Paul P., undated
Box 33, Folder 15	Keith, M.L., undated
Box 33, Folder 16	Keller, A.C., undated
Box 33, Folder 17	Kerr, Paul F., undated
Box 33, Folder 18	Khol, Franz, undated
Box 33, Folder 19	Kiebitz, M.F., undated
Box 33, Folder 20	Kikuchi, Yoshimitsu, undated
Box 33, Folder 21	King, J.C., undated
Box 33, Folder 22	King, Louis V., undated

Box 33, Folder 23	Kishimoto, Tadashi, undated
Box 33, Folder 24	Kittel, Charles, undated
Box 33, Folder 25	Klein, Elias, undated
Box 33, Folder 26	Klein, W.R., undated
Box 33, Folder 27	Klickstein, Herbert S., undated
Box 33, Folder 28	Klooster, H.S. von, undated
Box 33, Folder 29	Knol, K.S., undated
Box 33, Folder 30	Kobzarev, undated
Box 45, Folder 7	Kobzarev, undated
Box 33, Folder 31	Koenig, J., undated
Box 34, Folder 1	Koga, Issac, undated
Box 34, Folder 2	Kogl, F., undated
Box 34, Folder 3	Kolb, J., undated
Box 34, Folder 4	Kracek, Frank C., undated
Box 34, Folder 5	Krishnamurthi, Bh., undated
Box 34, Folder 6	Krista, Franz, undated
Box 45, Folder 7	Kron, Gabriel, undated
Box 34, Folder Unknown	Kron, Gabriel, undated
Box 34, Folder 8	Krueger, Helmut H.A., undated
Box 34, Folder 9	Krustallos, undated
Box 34, Folder 10	Kryopoulos, S., undated



Box 34, Folder 11	Kulcsar, Frank, undated
Box 34, Folder 12	Kurtschatow, undated
Box 34, Folder 13	Kyame, Joseph John, undated
Box 34, Folder 14	Labaw, L.W., undated
Box 34, Folder 15	Lack, F.R., undated
Box 34, Folder 16	Land, Edwin, undated
Box 34, Folder 17	Landon, D.H., undated
Box 34, Folder 18	Lane, C.T., undated
Box 34, Folder 19	Lang, Sidney, undated
Box 34, Folder 20	Lapham, E.G., undated
Box 34, Folder 21	Laval, Jean, undated
Box 34, Folder 22	Lavine, Oscar, undated
Box 34, Folder 23	Lawley, L.E., undated
Box 34, Folder 24	Lawson, A.W., undated
Box 34, Folder 25	Lee, Reuben, undated
Box 34, Folder 26	Leithauser, Von G., undated
Box 34, Folder 27	Lester, W.W., undated
Box 34, Folder 28	Lewis, E.P., undated
Box 34, Folder 29	Lindberg, A., undated
Box 34, Folder 30	Lindsay, R.B., undated
Box 34, Folder 31	Lion, Kurt S., undated
Box 34, Folder 32	List, b.H., undated

Box 34, Folder 33	Little, A.D., undated
Box 34, Folder 34	Little, Elizabeth, undated
Box 35, Folder 1	Loeber, A.P., undated
Box 35, Folder 2	Lucke, Kurt, undated
Box 35, Folder 3	Ludloff, Von H., undated
Box 35, Folder 4	McKay, H.C., undated
Box 35, Folder 5	McKeehan, L.W., undated
Box 35, Folder 5A	McKeena, Q.C., undated
Box 35, Folder 6	McKinley, D.W., undated
Box 35, Folder 7	McMillan, Edwin M., undated
Box 35, Folder 8	Machlup, S., undated
Box 35, Folder 9	Malatesta, S., undated
Box 35, Folder 9A	Maling, Edwin, undated
Box 35, Folder 10	Mallett, E., undated
Box 35, Folder 11	Mandell, W., undated
Box 35, Folder 12	Mandelstam, von L., undated
Box 35, Folder 13	Markham, Jordan J., undated
Box 35, Folder 14	Marlow, D.G., undated
Box 35, Folder 15	Marrison, W.A., undated
Box 35, Folder 16	Maryin, Gordon E., undated
Box 35, Folder 17	Marutake, Masakazu, undated

Box 35, Folder 18-19	Mason, W.P., undated
Box 35, Folder 20	Matsumura, Sadao, undated
Box 35, Folder 21	Matthias, B., undated
Box 35, Folder 22	Mattiat, von Oscar, undated
Box 35, Folder 23	Mayer, M., undated
Box 35, Folder 24	Mayer, W.G., undated
Box 36, Folder 1	Meibner, von A., undated
Box 36, Folder 2	Meier, von Rudolf, undated
Box 36, Folder 3	Meissner, A., undated
Box 36, Folder 4	Meitzler, A.H., undated
Box 36, Folder 5	Mendousse, J.S., undated
Box 36, Folder 6	Mercier, A., undated
Box 36, Folder 7	Merrill, F.G., undated
Box 36, Folder 8	Merz, W.J., undated
Box 36, Folder 9	Metz, Frank A., undated
Box 36, Folder 10	Meyerhoff, D., undated
Box 36, Folder 11	Michalec, R., undated
Box 36, Folder 12	Mickey, L., undated
Box 36, Folder 13	Miller, H.B., undated
Box 36, Folder 14	Miller, John M., undated
Box 36, Folder 15	Miller, R.B., undated
Box 36, Folder 16	Miller, W.D., undated

Box 36, Folder 17	Mindlin, Raymond, undated
Box 36, Folder 18	Mitchell, J.W., undated
Box 36, Folder 19	Mitsuda, Ryotaro, undated
Box 36, Folder 20	Mitsui, Toshio, undated
Box 36, Folder 21	Miyakawa, Kozaburo, undated
Box 36, Folder 22	Miyake, Shizuo, undated
Box 36, Folder 23	Mizokami, Kei, undated
Box 36, Folder 24	Mohler, Nora M., undated
Box 36, Folder 25	Montillon, G.H., undated
Box 36, Folder 26	Morse, R.W., undated
Box 36, Folder 27	Morton, G.A., undated
Box 36, Folder 28	Moulin, M., undated
Box 36, Folder 29	Mueller, Hans, undated
Box 36, Folder 30	Muser, von Horst E., undated
Box 37, Folder 1	Namba, Shogo, undated
Box 37, Folder 2	Nancarrow, F.E., undated
Box 37, Folder 3	Narasimhamurty, T.S., undated
Box 37, Folder 4	National Physical Laboratory, undated
Box 37, Folder 5	National Research Council, undated
Box 37, Folder 6	Naude, Charl F., undated
Box 37, Folder 7	Navy's contribution to radio, undated

Box 37, Folder 8	Nenadkewitch, K., undated
Box 37, Folder 9	Newman, E.G., undated
Box 37, Folder 10	Newton, R.R., undated
Box 37, Folder 11	Nichols, John T., undated
Box 37, Folder 12	Nickerson, Dorothy, undated
Box 37, Folder 13	Nielsen, R.A., undated
Box 37, Folder 14	Nishikawa, S., undated
Box 37, Folder 15	Noelle, E.W., undated
Box 37, Folder 16	Noltingk, B.E., undated
Box 37, Folder 17	Nomoto, Otohiko, undated
Box 37, Folder 18	Nyborg, Wesley L., undated
Box 37, Folder 19	Oggioni, Guido, undated
Box 37, Folder 20	Ohara, Gisaku, undated
Box 37, Folder 21	Olson, H.F., undated
Box 37, Folder 22	Onoe, Morio, undated
Box 37, Folder 23	Oplatka, G., undated
Box 37, Folder 24	Osterberg, Harold, undated
Box 37, Folder 25	Osterhammel, Von K., undated
Box 37, Folder 26	Otpushtshennikov, N.F., undated
Box 37, Folder 27	Pao, Yoh-Han, undated
Box 37, Folder 28	Palmer, Ralph S., undated
Box 37, Folder 29	Parker, J.G., undated

Box 38, Folder 1	Parker, Paul M., undated
Box 38, Folder 2	Parmenter, R.H., undated
Box 38, Folder 3	Parthasarathy, S., undated
Box 38, Folder 4	Pellam, John R., undated
Box 38, Folder 5	Perrier, Albert, undated
Box 38, Folder 6	Perrine, J.O., undated
Box 38, Folder 7	Petermann, L.A., undated
Box 38, Folder 8	Petrzilka, V., undated
Box 38, Folder 9	Phipps, T.E., undated
Box 38, Folder 10	Physikalisch-Technischen, undated
Box 38, Folder 11	Pielemeier, W.H., undated
Box 38, Folder 12	Pierce, George W., undated
Box 38, Folder 13	Piezo Crystals, Ltd., undated
Box 38, Folder 14	Pitt, Arnold, undated
Box 38, Folder 15	Planck, von Max, undated
Box 38, Folder 16	Plass, K., undated
Box 38, Folder 17	Plasticity, undated
Box 38, Folder 18	Plesset, M.S., undated
Box 38, Folder 19	Pohlman, Reimer, undated
Box 38, Folder 20	Pollack, Fred H., undated
Box 38, Folder 21	Pontecorvo, Paolo, undated

Box 38, Folder 22	Porter, Bernard H., undated
Box 38, Folder 23	Post, E.J., undated
Box 38, Folder 24	Prasada, G.H. S.V., undated
Box 38, Folder 25	Price, William J., undated
Box 38, Folder 26	Pritchard, Robert L., undated
Box 39, Folder 1	Quartz clocks, undated
Box 39, Folder 2	Quartz crystal units, undated
Box 39, Folder 3	Quigley, S.J., undated
Box 39, Folder 4	Quimby, S.L., undated
Box 39, Folder 5	Raman, C.V., undated
Box 39, Folder 6	Rander, Mary Ellen, undated
Box 39, Folder 7	Raney, W.P., undated
Box 39, Folder 8	Rao, S. Ramachandra, undated
Box 39, Folder 9	Rao, T. Seshagiri, undated
Box 39, Folder 10	Rapuano, Robert A., undated
Box 39, Folder 11	Raudebaugh, R.J., undated
Box 39, Folder 12	Ravindranath, T., undated
Box 39, Folder 13	Rayner, E.H., undated
Box 39, Folder 14	Richardson, E.G., undated
Box 39, Folder 15	Ringo, G.R., undated
Box 39, Folder 16	Robbins, Billy A., undated
Box 39, Folder 17	Roberts, Shepard, undated

Box 39, Folder 18	Robey, D.H., undated
Box 39, Folder 19	Rogers, Austin F., undated
Box 39, Folder 20	Rogers, Henry H., undated
Box 39, Folder 21	Rose, Fred C., undated
Box 39, Folder 22	Rosenberg, Murray D., undated
Box 39, Folder 23	Rosenberg, Paul, undated
Box 45, Folder 9	Rosani, S., undated
Box 39, Folder 24	Rothauge, Charles H., undated
Box 39, Folder 25	Roethermel, R.A., undated
Box 39, Folder 26	Ruedy, R., undated
Box 39, Folder 27	Rust, von Hans Heinrich, undated
Box 39, Folder 28	Rusterholz, von Alexander A., undated
Box 40, Folder 1	Sanden, von Kurt, undated
Box 40, Folder 1A	Sanders, F.H., undated
Box 40, Folder 1B	Sanderson, J.A., undated
Box 40, Folder 2	Saneyoshi, Jun-Ichi, undated
Box 40, Folder 3	Saunders, Frederick A., undated
Box 40, Folder 4	Sawaguchi, Etsuro, undated
Box 40, Folder 5	Sawyer, C. Baldwin, undated
Box 40, Folder 6	Schaefer, C., undated
Box 40, Folder 7	Schaefer, J.P., undated



Box 40, Folder 8	Scheibe, Von A., undated
Box 40, Folder 8A	Schelkunoff, S.A., undated
Box 40, Folder 8B	Scherrer, P., undated
Box 40, Folder 8C	Scholz, H., undated
Box 40, Folder 9	Schroder, F.K., undated
Box 40, Folder 10	Schumacher, von R.O., undated
Box 40, Folder 11	Schuster, von Kurt, undated
Box 40, Folder 12	Schwartz, von Erich, undated
Box 40, Folder 13	Schweinler, H.C., undated
	Selover, E.E., undated
Box 40, Folder 15	Sette, Daniele, undated
Box 40, Folder 16	Shapiro, Jonas M., undated
Box 40, Folder 17	Shapley, Harlow, undated
Box 40, Folder 18	Shear, Sidney K., undated
Box 40, Folder 19	Shibayama, K., undated
Box 40, Folder 20	Shockley, W., undated
Box 40, Folder 21	Shropshire, R.F., undated
Box 40, Folder 22	Shulvas-Sorokina, R.D. [alternate spelling Schulwas-Sorokin], undated
Box 40, Folder 23	Simons, Eric N., undated
Box 40, Folder 24	Skellett, A.M., undated
Box 40, Folder 25	Slater, John C., undated
Box 40, Folder 26	Sliker, T.R., undated

Box 40, Folder 27	Smirnov, V.A., undated
Box 41, Folder 1	Smith, Preston W., undated
Box 41, Folder 2	Smith, W.L., undated
Box 41, Folder 3	Smyth, C.N., undated
Box 41, Folder 4	Smyth, J.B., undated
Box 41, Folder 5	Sokoloff, A., undated
Box 41, Folder 6	Sondheimer, E.H., undated
Box 41, Folder 7	Sosman, Robert B., undated
Box 41, Folder 8	Soule, Floyd A., undated
Box 41, Folder 9	Speight, James W., undated
Box 41, Folder 10	Spitzer, von Friedrich, undated
Box 41, Folder 11	Stakutis, V.J., undated
Box 41, Folder 12	Stanford Research Institute, undated
Box 41, Folder 13	Stansel, Frank, undated
Box 41, Folder 14	Statton, W.O., undated
Box 41, Folder 15	Staub, Hans, undated
Box 41, Folder 16	Stenzel, von H., undated
Box 41, Folder 17	Sternfeld, Frederick W., undated
Box 41, Folder 18	Stetson, H.T., undated
Box 41, Folder 19	Stevens, George T., undated
Box 41, Folder 20	Stevens, H.C., undated

Box 41, Folder 21	Stewart, Ellen and James, undated
Box 41, Folder 22	Straubel, von Harald, undated
Box 41, Folder 23	Strock, Morris S., undated
Box 41, Folder 24	Stolt, Helge, undated
Box 41, Folder 25	Subrahmanyam, S.V., undated
Box 41, Folder 26	Sundara, R.V.G., undated
Box 41, Folder 27	Suryanarayana, D., undated
Box 41, Folder 28	Sutton, Paul, undated
Box 41, Folder 29	Suzuki, Tetsuro, undated
Box 41, Folder 30	Swann, W.F.G., undated
Box 41, Folder 31	Sykes, R.A., undated
Box 42, Folder 1	Tawil, M. Edgar-Pierre, undated
Box 42, Folder 2	Taylor, A.H., undated
Box 42, Folder 3	Taylor, G.B., undated
Box 42, Folder 4	Taylor, R., undated
Box 42, Folder 5	Teeter, Charles Edwin, undated
Box 42, Folder 6	Terry, Earle M., undated
Box 42, Folder 7	Thorndike, A.M., undated
Box 42, Folder 8	Thorne, Oakleigh, undated
Box 42, Folder 9	Tournier, M., undated
Box 42, Folder 10	Trevis, M.J., undated
Box 42, Folder 11	Trommler, H., undated

Box 42, Folder 12	Trowbridge, C.C., undated
Box 42, Folder 13	Truell, Rohn, undated
Box 42, Folder 14	Tsi-Ze, M. NY, undated
Box 42, Folder 15	Tumansky, S.S., undated
Box 42, Folder 16	Tuttle, O.F., undated
Box 42, Folder 17	Tykociner, J., undated
Box 42, Folder 18	Ueda, Ryuzo, undated
Box 42, Folder 19	Ultra, undated
Box 42, Folder 20	Ungeheuer, E., undated
Box 42, Folder 21	USSR, undated
Box 42, Folder 22	Usui, Rensuke, undated
Box 42, Folder 23	Valasek, J., undated
Box 42, Folder 24	[Vallaun?], undated
Box 45, Folder 10	Vallauri, Giancarlo, undated
Box 42, Folder 25	Valkenburg, H.E. Van, undated
Box 42, Folder 26-27	Van Dyke, Karl S., undated
Box 45, Folder 11	Vecchiacchi, F., undated
Box 43, Folder 1	Van Iherbeek, A., undated
Box 43, Folder 2	Ventouratos, Phedon G., undated
Box 43, Folder 3	Victor Electronic Systems Co., undated
Box 43, Folder 4	Vigoreux, J.E.P., undated

Box 43, Folder 5	Vincent, Coye T., undated
Box 43, Folder 6	Von Karman, Theodore, undated
Box 43, Folder 7	Walker, A.C., undated
Box 43, Folder 8	Walker, Thomas J., undated
Box 43, Folder 9	Walstrom, J.E., undated
Box 43, Folder 10	Ward, W. Dixon, undated
Box 43, Folder 11	Warner, A.W., undated
Box 43, Folder 12	Watanabe, Yasusi, undated
Box 43, Folder 13	Waterman, P.C., undated
Box 43, Folder 14	Weisberg, Leonard, undated
Box 43, Folder 15	Wente, E.C., undated
Box 43, Folder 16	Western Reserve University, undated
Box 43, Folder 17	Westervelt, Peter J., undated
Box 43, Folder 18	Wheeler, L.P., undated
Box 43, Folder 19	White, D.L., undated
Box 43, Folder 20	White, J.E., undated
Box 43, Folder 21	White, S. Young, undated
Box 43, Folder 22	Willard, G.W., undated
Box 43, Folder 23	Williams, A.O., undated
Box 43, Folder 24	Wilson, A.J.C., undated
Box 45, Folder 12	Winters, S.A., undated
Box 43, Folder 25	Winthrow, Robert B., undated

Box 43, Folder 26	Wolfe, C.W., undated
Box 43, Folder 27	Wood, Harry O., undated
Box 43, Folder 28	Wooster, W.A., undated
Box 43, Folder 29	Worrall, Robert H., undated
Box 43, Folder 30	Wright, R.B., undated
Box 43, Folder 31	Wyckoff, Ralph, undated
Box 44, Folder 1	Yariv, A., undated
Box 44, Folder 2	Yeager, Ernest, undated
Box 44, Folder 3	Ying, C.F., undated
Box 44, Folder 4	Yoder, Hatten, undated
Box 44, Folder 5	Zacek, A., undated
Box 44, Folder 6	Zacharias, Jerrold, undated
Box 44, Folder 7	Zankel, K.L., undated
Box 44, Folder 8	Zartmann, I.F., undated
Box 44, Folder 9	Zelenka, Jiri, undated
Box 44, Folder 10	Zottu, Paul D., undated

*[Return to Table of Contents](#)*

## Series 4: Walter G. Cady Writings and Reviews, 1950s-1960s

*Box 44, Folder 11*

This series consists of one folder of material containing some articles and reviews authored by Cady. Also included is a bibliography compiled by Cady for articles or books in the field of physics and some biographical notes.

*[Return to Table of Contents](#)*

## Series 5: Consultant Work, 1931-1967

Arranged alphabetically by client name, this series consists of organizations and federal agencies that Cady did consulting/contract work for. The documentation contains correspondence, contracts and technical status reports.

Box 44, Folder 12	Academy of Applied Science, 1963-1967
Box 44, Folder 13	American Academy of Arts & Sciences, 1963-1968
Box 44, Folder 14	Air Force—Composite Resonator, undated
Box 44, Folder 15	Air Force—Plane Wave Acoustic Filter, undated
Box 44, Folder 16	Air Force—High Frequency Ultrasonics, undated
Box 44, Folder 17	Air Force—Project Jericho, 1959
Box 44, Folder 18	Cal Tech—Acoustic Radiation Pressure, Status Reports, 1951-1953
Box 44, Folder 19	Cal Tech—Acoustic Radiation Pressure, Report #1 1, 1952
Box 44, Folder 20	Cal Tech—Acoustic Radiation Pressure, Report #1A, 1953
Box 44, Folder 21	Cal Tech—Acoustic Radiation Pressure, Report #2,, 1951-1952
Box 45, Folder 13	Cal Tech—Acoustic Radiation Pressure, Report #3, 1952-1955
Box 44, Folder 22	Cal Tech—Acoustic Radiation Pressure, Report #4, 1952-1955
Box 44, Folder 23	Cal Tech—Acoustic Radiation Pressure, Report #5, 1953
Box 44, Folder 24	Curtiss-Wright Corporation, 1956-1957
Box 46, Folder 1	Condenser Radiometer,, 1947
Box 46, Folder 2	Consulting—General Notes, undated
Box 46, Folder 3	Cooperative Wind Tunnel,, 1956
Box 46, Folder 4	Graphical Aids in Interpreting the Performance of Crystal Transducer, undated
Box 46, Folder 5	Gyulton industries, Inc., 1960



Box 46, Folder 6	Hayes Sprinkler,, 1959
Box 46, Folder 7	Lockheed Electronics Co., 1961
Box 46, Folder 8	Marketing correspondence, 1966-1967
Box 46, Folder 9	Military Electronics, 957-1958
Box 46, Folder 10	Office of Naval Research/Wesleyan University—Report information and correspondence, 1948-1950
Box 46, Folder 11	Office of Naval Research/Wesleyan University—Report #1, 1949
Box 46, Folder 12	Office of Naval Research/Wesleyan University —Theory of Crystal Transducer for Plan Waves, Report #2, 1948
Box 46, Folder 13	Office of Naval Research/Wesleyan University —Measurement of Transducer Input and Output, Report #3, 1951
Box 46, Folder 14	Office of Naval Research/Wesleyan University —Measurement of Specific Acoustic Resistance of Liquids, Report # 4, 1950
Box 46, Folder 15	Office of Naval Research/Wesleyan University —Theory of Acoustic Radiation pressure, Report #5, 1949-1950
Box 46, Folder 16	Office of Naval Research/Wesleyan University —Capacitance Bridge, Report #6, 1950-1951
Box 46, Folder 17	Office of Naval Research/Wesleyan University —Report #7, 1953
Box 46, Folder 18	Office of Naval Research/Wesleyan University —Generalized Theory of Crystal Transmitter and Receiver for Plane Waves, Report #8, 1953
Box 47, Folder 1	Office of Naval Research/Wesleyan University —Status Reports 31-#14, 1947-1950
Box 47, Folder 2-2A	Office of Naval Research/Wesleyan University —Correspondence, 1951-1953
Box 47, Folder 3	Radiation Lab, 1945
Box 47, Folder 4	Raynthon Electronics Corp. Catalog, undated
Box 47, Folder 5	Variable Frequency Interferometer, 1950-1951

Box 47, Folder 6	Westrex Corp., 1959
Box 47, Folder 7	Wired Radio Inc., 1931-1932

*[Return to Table of Contents](#)*

## Series 6: Institute of Radio Engineers, 1945-1963

As a member of IRE, Cady was active within the organization on various committees and assisted with reviews and creating and editing standards issued by IRE. The materials contain by-laws, definitions, committee minutes, correspondence, and published copies of standards. Many of the materials contain Cady's annotations.

Box 47, Folder 8	By-Laws, 1965
Box 47, Folder 9	IRE Definitions, 1959
Box 47, Folder 10	IRE Standards listing, undated
Box 47, Folder 11	Standards, 1945
Box 47, Folder 12	Standards, 1949
Box 47, Folder 13	Standards, 1954
Box 48, Folder 1	Standards, 1955
Box 48, Folder 2	Standards, 1956
Box 48, Folder 3	Standards, 1957
Box 48, Folder 4	Standards, 1958
Box 48, Folder 5	Standards, 1959
Box 48, Folder 6	Standards, 1961
Box 48, Folder 7	Standards, 1962
Box 48, Folder 8	Standards, 1963
Box 48, Folder 9	Committee on Piezoelectric Crystals, 1951-1956
Box 48, Folder 10	Committee on Piezoelectric and Ferroelectric Crystals, 1961-1964, 1966
Box 48, Folder 11	Committee on Standards, 1951
Box 48, Folder 12	International Electrotechnical Commission, 1954
Box 48, Folder 13	Professional Groups Manual,, 1952

Box 48, Folder 14

Twentieth Anniversary Convention, 1932

*[Return to Table of Contents](#)*

## Series 7: Institute of Electrical and Electronics Engineers (IEEE), 1932-1973

This series contains committee minutes, correspondence, and standards issued by IEEE.

Box 49, Folder 1	Committee on Frequency Control and Measurement, 1966
Box 49, Folder 2	Committee on Frequency and Time, 1967-1973
Box 49, Folder 3	Committee on Piezoelectric and Ferroelectric Crystals, 1963
Box 49, Folder 4	Committee on Resonators and Transducers, 1967-1973
Box 49, Folder 5	Standards,, 1963
Box 49, Folder 6	Standards,, 1964
Box 49, Folder 7	Standard on Piezoelectricity,, 1972
Box 49, Folder 8	Ultrasonic Engineering Group, 1954
Box 45, Folder 14	IEEE Convention,, 1969
Box 49, Folder 9	Miscellaneous,, 1951, 1966, 1969

*[Return to Table of Contents](#)*

## Series 8: Patent Records, 1914-1974

The patent records consist of letter patents issued to Cady and copies from the United States, Canada, and the United Kingdom, patent applications, specifications, notes, and invention disclosure statements from the Office of Naval Research. Cady worked with the Office of Naval Research while at the Scott Laboratory, Wesleyan University during the 1940s and 1950s.

Box 50, Folder 1	Acoustic Impedance Measuring Device for Liquids, 1948-1951
Box 50, Folder 2	Bridge Circuit for measuring resonance, 1948-1950
Box 50, Folder 3	Device for measuring electric power, 1952
Box 50, Folder 15	Piezoelectric accelerometer and vibrometer, 1966
Box 45, Folder 4	Piezoelectric accelerometer and vibrometer, 1966
Box 50, Folder 5	Method of measuring electric currents of constant frequency, RE 17,245; RE 17,246; RE 17,247, 1929
Box 50, Folder 6	Piezo-electric resonator, RE 17,355;RE 17,356;RE 17, 357;RE 17,358;RE 17,359, 1929
Box 50, Folder 7	Wire Connectors, #1,093,972, 1914
Box 50, Folder 8	Piezoelectric resonator, #1,450,246, 1923
Box 50, Folder 9	Method of maintaining electric currents of constant frequency, #1,472,583, 1923
Box 50, Folder 10	Electromechanical system, #1,693,806, 1928
Box 50, Folder 11	Means of regulating the frequency of alternating current generators, #1,742,752, 1930
Box 50, Folder 12	Electromechanical system, #1,781,680, 1930
Box 50, Folder 13	Method of mounting piezoelectric resonators for the excitation of various overtones, 1#1,782,117, 930
Box 50, Folder 14	Electromechanical system, #1,860,529, 1932
Box 50, Folder 15	Piezo-electric system, #1,977,169, 1934
Box 50, Folder 16	Frequency stabilization of a generator of alternating current, #2,017,894, 1935

Box 50, Folder 17	Frequency control system, #2,064,289, 1936
Box 50, Folder 18	Piezoelectric crystal device, #2,170,318, 1939
Box 50, Folder 19	Cavity radiometer, #2,762,447, 1956
Box 50, Folder 20	Piezoelectric vibrators and systems embodying the same for converting the mechanical vibration thereof into electric energy, #3,371,234, 1968
Box 50, Folder 21	Piezoelectric vibrators, 1#3,371,234, 968
Box 50, Folder 22	Piezoelectric transducer, #3,437,851, 1969
Box 50, Folder 23	Improvements in or relating to means for mounting piezoelectric crystals, 1#260,609 (United Kingdom), 927
Box 50, Folder 24	Piezo-electric shear transducer, #804,761 (Canada), 1969
Box 50, Folder 25	Instrument for responding to mechanical vibration or acceleration and for converting the same into electric energy, #853,435 (Canada), 1970
Box 50, Folder 26	Miscellaneous notes, 1964-1974

*[Return to Table of Contents](#)*

## Series 9: Books, 1887-1960

This series includes five books on the subject of piezoelectricity. The books are in Czech, French, and German.

Box 50, Folder 27	Herzog, von Werner. Oszillatoren mit Schwingkristallen,, 1958
Box 50, Folder 28	Palmans, Ed. Piezo-Electricite Theorie Et Practique,, 1946
Box 50, Folder 29	Petrzilka, V. and Slavik, J.B. Piezoelektrina A Jeji Pouziti V technicke Praxi, (paperback version), 1940.
Box 51, Folder 1	Petrzilka, V. and Slavik, J.B. Piezoelektrina A Jeji Pouziti V technicke Praxi, (hardback version), 1940.
Box 51, Folder 2	Voight, W. Elemente Der Krystallphysik, 1898
Box 51, Folder 3	Voight, W. Theoretische Studien uber die Elasticitatsverhaltnisse der Krystalle, 1887

*[Return to Table of Contents](#)*



## Series 10: Miscellaneous, 1949-1973

This series contains miscellaneous items such as notes, print materials, product literature, and correspondence.

Box 51, Folder 4	Accelerometer, undated
Box 51, Folder 5	Akademie der Wissenschaften, 1949-1955
Box 51, Folder 6	American Institute of Physics, 1963-1968
Box 51, Folder 7	Baldwin Lima Hamilton Corporation, undated
Box 51, Folder 8	Linden Laboratories, Inc., 1973
Box 51, Folder 9	Marquardt Television Optics, 1962
Box 51, Folder 10	Scientific Manpower Bulletin, 1962
Box 51, Folder 11	Small Business Administration, 1966
Box 51, Folder 12	Notes, undated
Box 73, Folder 1	Correspondence, A-C, 1928-1967
Box 73, Folder 2	Correspondence, D-H, 1945-1957
Box 73, Folder 8	World War I, 1917-1918
Box 73, Folder 3	Correspondence, K, 1933-1958
Box 73, Folder 4	Correspondence, L-M, 1938-1944
Box 73, Folder 5	Correspondence, N-Q, 1938-1964
Box 73, Folder 6	Correspondence, S-W, 1947-1961
Box 73, Folder 7	Correspondence, Ultrasoncis, 1918
Box 73, Folder 9	Xeroxes of photographs, undated

*[Return to Table of Contents](#)*

## Series 11: Card Index Files, 1940s-1960s

The card indexes are arranged alphabetically and index topics, abstracts, and notes. The index cards were created by Cady when organizing his research notebooks.

Box 52, Folder Unknown	A-P, Abstracts of scientific articles and reports; sources, authors, 1940 1960
Box 53, Folder Unknown	Q-Z, (many on piezoelectric, quartz crystals, etc.) alphabetical by author; Dems., color Demonstrations: description of experiments colloids showing scientific principles; liquids, sound, optics, magnetism, electricity. Alphabetical by subject and author, 1940 1960
Box 54, Folder Unknown	Ferroel Abstracts of scientific articles and reports A P on ferroelectric phenomena; sources, author Ferroel, alphabetical by author; Q Z N.B. Index empty
Box 55, Folder Unknown	A-E, References to articles in professional journals, undated
Box 56, Folder Unknown	F-L, and other sources, 1940s, 1950s, 1960s
Box 57, Folder Unknown	L-R, Alphabetical Lower left by Author A Z, undated
Box 58, Folder Unknown	R-Z, undated
Box 59, Folder Unknown	A- F, Notes and references by subject, undated
Box 60, Folder Unknown	G-O, undated
Box 61, Folder Unknown	O-T, undated
Box 62, Folder Unknown	U-Z, undated
Box 62, Folder Unknown	A-Z, References/abstracts by author, undated
Box 63, Folder Unknown	B-Z, Reprints references (early) by author, undated
Box 64, Folder Unknown	A-Z, Reprint references (recent) by author, undated

Box 65, Folder Unknown	References to patents (U.S.) by patent number and W.G. Cady patents, undated
Box 66, Folder Unknown	A-O, Reference/notes, 1910s 1940s
Box 67, Folder Unknown	P-Z, by subject, undated
Box 68, Folder Unknown	A-F, References/abstracts, many from foreign sources, undated
Box 69, Folder Unknown	G K, by author, 1920s 1930s
Box 70, Folder Unknown	L-R, undated
Box 71, Folder Unknown	S Z, undated
Box 71, Folder Unknown	A Z, References to articles in OST(?) by author, undated
Box 72, Folder Unknown	Index to Walter Cady's notebooks, undated

*[Return to Table of Contents](#)*