



Smithsonian
National Museum of American History
Kenneth E. Behring Center

George H. Clark Radioana Collection

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Collection Overview

Repository:	Archives Center, National Museum of American History
Creator:	Clark, George Howard, 1881-1956
Title:	George H. Clark Radioana Collection
Dates:	circa 1880-1950
Quantity:	220 cubic feet, 700 boxes
Abstract:	The collection forms a documentary record of over half a century of the history of radio, with the greatest emphasis on the period 1900-1935. The collection includes materials that span the entire history of the growth of the radio industry. It is useful for those historians and other researchers interested in technological development, economic history, and the impact of applications of technology on American life.
Language:	English

Administrative Information

Acquisition Information

The collection was donated to the Smithsonian in 1959.

Provenance Information

The collection was transferred from the Division of Electricity (now the Division of Work and Industry), on June 27, 1983.

Provenance Information

George H. Clark died in 1956 and his collection was subsequently given to the Massachusetts Institute of Technology. In 1959 the collection was given to the Smithsonian's new Museum of History and Technology, where space was available to house it. The collection remained in the Division of Electricity until the spring of 1983 when it was transferred to the Archives Center.

George H. Clark assembled this collection over a fifty year period. He purchased books, newspapers, and periodicals, and spent, it seems, all his spare time pasting these onto sheets of paper. Occasionally he received donations, both large and small, from former wireless colleagues. From time to time, he also obtained large bodies of disparate material from other sources. These include business records, laboratory notes, correspondence, reminiscences, and other materials. Clark apparently kept no records of materials he received. See series 1 for additional information on Clark as a collector.

Listed below are some of the major sources of the collection.

US Army. Records of the U. S. Signal Corps

Donated by Captain Evans and Captain Guy Hill.

American Telephone and Telegraph Company

Clark received a large batch of material that John Stone Stone had stored with AT&T in 1912.

De Forest Companies

Clark obtained some material directly from the company, while some came from RCA.

Philip Farnsworth

Farnsworth was a radio industry lawyer (one of his clients was Wireless Specialty Apparatus Company (WSA)) from whom Clark purchased books and legal records, the latter containing a wealth of engineering material.

50 Volumes of material on radio litigation.

Set of US Patents.

WSA

Complete files of correspondence.

John Firth

engineering files.

Federal Government Personnel Files

These personnel files, the Official Personnel Folders (OPF), of federal employees of the Weather Bureau and some other agencies were obtained by Robert S. Harding from the U. S. Office of Personnel Management, Record Appraisal and Disposition Division (NIR), St. Louis, Missouri. General Records Schedule 1 provides that an OPF may be disposed of to a suitable institution if the individual is more than seventy-five years of age, and has been out of the Federal service more than five years.

Fessenden Materials

At the close of the National Electric Signaling Company's (NESCO) receivership, Clark received a large volume of NESCO's files, including photographs, books, and legal records. He also received Fessenden material from Massie, W. S. Fitzpatrick, Jack Duffy, WSA, and Dublier.

Dr. Alfred N. Goldsmith

First donations of material to be added to the Clark collection by someone other than Clark. When Dr. Goldsmith changed his vocation from teaching to inventing he turned over a large number of early works, including books and pamphlets.

Marconi Wireless Telegraph Company

Some very old material not of great bulk was obtained from Mr. Pillsbury, W.S. Fitzpatrick, and Jack Duffy. From Russell Hoffman some records of the Marconi Company were obtained that had been discarded from RCA files. On the dissolution of the firm of Sheffield and Betts, Clark bought some material, from chief clerk John Herr. This consisted mainly of large volumes of litigation, old exhibits, and some early data on Marconi.

Julius Martin

Martin was an electrical expert aide for the US Navy and a collector of wireless records with a similar collection to Clark's. Martin gave Clark his entire collection which contained data from all companies, especially many from the earlier periods of wireless, and also data on all U. S. Services.

Morrison

Clark received a large volume of discarded legal files, from which engineering material was extracted for the collection.

US Navy

Julius Martin and George Clark collected material documenting early wireless work in the Navy from Navy sources. These records were duplicates of material in the files of the various Yards and at the Bureau of Steam Engineering in Washington, and in great part consisted of material used by these engineers during the progress of their daily work in Navy Service. Many of the records were written by these men, as specifications, instruction books, and so forth. As a story of the early transmitters and receivers of wireless these sheets may be of value particularly when accompanied by their explanations written in later years.

Radio Corporation of America

These items consist of Clark's log books and many general issue items, for example, press releases, annual reports, and complete files of RCA house organs issued to employees. This latter material was either issued to Clark as an employee or donated to him by others. Clark also collected some material culled from items which had been discarded from the file rooms and sent out for destruction. For example, Clark mentions at one point that he was attempting to save a complete file of the drawings of the Marconi Wireless Telegraph Company of America, which he hoped would form a complete record of the company's apparatus and installations.

Stone Telegraph and Telephone Company

Clark received a "cartload" of records after this company failed. Clark mentions that he was to receive some STTC records from Mr. E. R. Cram. Clark wrote a biography of Stone (Class 4, Box 26, Bound Volumes).

Telefunken

A small amount of data on this and other German concerns was donated to Clark by Mr. Boehme.

Roy A. Weagant

After his death Clark received some papers of his former colleague who had been chief engineer of the Marconi Wireless Telegraph Company. These consisted mostly of Weagant's work on static reduction. From these papers and his own Clark wrote a biography of Weagant (Class 4, Book 17, Box 29, Bound Volumes)

Processing Information

Processed by Robert S. Harding, archivist, 1990; revised by Robert S. Harding, archivist, 2001. Series 4 processed by Cathy Keen, May 2000.

Preferred Citation

George H. Clark Radioana Collection, Archives Center, National Museum of American History, Smithsonian Institution

Restrictions on Access

The collection is open for research use.

Gloves must be worn when handling unprotected photographs, negatives, and slides.

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Biographical Note

George Howard Clark, born February 15, 1881, at Alberton, Prince Edward Island, Canada, emigrated to the United States at the age of fourteen. He worked as a railroad telegraph operator for the Boston and Maine Railroad during high school and college. In his unpublished autobiography he wrote:

In 1888, when I was a lad of seven, I suddenly blossomed out as a scrapbook addict, and for years I gave up boyhood games for the pleasure of sitting in a lonely attic and 'pasting up' my books ... By 1897, in high school, I graduated to beautiful pictures, and made many large size scrapbooks ... Around that time, too, I became infatuated with things electrical, and spent many evenings copying in pen and ink the various electrical text books in the Everett, Mass., Public Library. Clark began collecting material pertaining to wireless or radio in 1902. In 1903 he graduated from the Massachusetts Institute of Technology with a Bachelor of Science degree in Electrical Engineering. During his last year of college he specialized in radio work under the instruction of Professor John Stone Stone and after graduation went to work for Stone's radio company, the Stone Telegraph and Telephone Company, of Boston.

In 1908 Clark took a competitive examination open to all wireless engineers in the United States and entered the civilian service of the Navy. He was stationed at the Washington Navy Yard, with special additional duty at the Navy's Bureau of Steam Engineering and at the National Bureau of Standards.

In 1915 Clark helped devise a classification system for Navy equipment, assigning a code number to each item. This system of classification for blueprints, photographs, reports, and general data, was prepared by Arthur Trogner, Guy Hill, and Clark, all civilian radio experts with the US Navy Department in Washington. In 1918 Clark adopted the 1915 Navy classification system for organizing the radio data he was accumulating. Clark created the term "Radioana" at this time. He began spending his evenings and weekends pasting up his collection and numbering pages. At this time he bound the accumulated material. It totaled 100 volumes.

In July 1919, after resigning from the Navy, Clark joined the engineering staff of the Marconi Telegraph Company of America, which became part of the Radio Corporation of America (RCA) later the same year. His first work was at Belmar and Lakewood, New Jersey, assisting the chief engineer, Roy A. Weagant, in his development of circuits to reduce the interference caused by static (static reduction). Clark and his wife were assigned to the unheated Engineer's Cottage. His wife decided not to stay and left for Florida. Clark moved his trunks of wireless material to the heated RCA hotel at Belmar and spent most of the winter "pasting." As Clark mentions, "From that time on I was wedded to scraps."

After a year of work in New Jersey, Clark was assigned to the sales department in New York, where he devised the "type number system" used by RCA. This type number system, for example, gave the designation UV 201 to the company's first amplifier tube.

From 1922 to 1934 Clark was in charge of RCA's newly created Show Division, which held exhibits of new and old radio apparatus at state fairs, department stores, and radio shows. About 1928 Clark started an antique radio apparatus museum for RCA. RCA's board of directors announced:

Recognizing the importance of providing a Museum for the Radio Art to house the rapidly disappearing relics of earlier days, and the desirability of collecting for it without further delay examples of apparatus in use since the inception of radio, the Board of Directors of RCA has made an initial appropriation of \$100,000, as the nucleus of a fund for the establishment of a National Radio Museum. A plan for ultimately placing the museum under the wing of the Smithsonian Institution was coupled with the goal of the Institution's gathering the largest possible library of wireless data.

Around 1933 the RCA traveling exhibition program ended and Clark started classifying his collected "radioana" material. The objects of the museum were eventually turned over for exhibit purposes to the Rosenwald Museum in Chicago and the Henry Ford Museum in Dearborn, Michigan, when space was not forthcoming at the Smithsonian. A list of objects sent to the two museums (with tag and case numbers) is in Series 1, Box A. The "radioana" collection remained under Clark's care during the 1930s, and became of increasing use to RCA. Clark continued to add to the material.

Between 1934 and 1942 Clark was in court many times regarding patent infringements. Clark's wireless data was useful and he testified frequently, for example, in RCA's suit against the United States in the Court of Claims over the Marconi tuning patents and in the Westinghouse Company's suit against the United States over the heterodyne. Patent specifications and material regarding these and other radio industry suits are found throughout this collection.

In 1946 RCA retired George Clark and denied him space to house his "radioana" collection. Clark wished to remain in New York and house the collection somewhere in the city where it would be open at all times to the public and where it would be maintained. He hoped to continue cataloguing the collection and writing books from its information. He wanted to keep the collection under his control for as long as he was capable of using it.

George H. Clark died in 1956 and his collection was subsequently given to the Massachusetts Institute of Technology. In 1959 the collection was given to the Smithsonian's new Museum of History and Technology, where space was available to house it. The collection remained in the Division of Electricity until the spring of 1983 when it was transferred to the Archives Center.

Brief Company Histories From The Radio Industry, 1900-1930s

Introduction

At the end of the nineteenth century, when Guglielmo Marconi began his first wireless company, Western Union, Postal Telegraph, and the American Telephone and Telegraph Company (AT&T) were the major enterprises in electrical communications. General Electric, Western Electric, and Westinghouse were the major producers of electrical equipment. All these earlier developments set the stage for the expansion of the radio industry.

General Electric, which dominated the lighting industry, was formed in 1892 as a merger of the Edison and Thomson-Houston companies. It was active in building central power station equipment; controlled nearly all the important early patents in electric railways; took a leading part in the introduction of trolley systems; and was the principal supplier of electric motors. Westinghouse promoted the alternating current

system and installed the first AC central station in Buffalo, NY, during the winter of 1866-1867. After years of patent litigation, in 1896 GE and Westinghouse agreed to share their patents on electrical apparatus.

American Bell Telephone Company purchased Western Electric in 1881. Western Electric had a strong patent position in telephone equipment and in industrial power apparatus, such as arc lamps, generators, motors, and switchboard equipment.

Until RCA was formed in 1919, these established electrical companies played no active part in the early development of the American radio industry. They were in difficult financial positions, reorganizing, or concentrating their efforts and resources on improving their existing products.

The revolution in "wireless" technology, which began in earnest after 1900, centered in New York City, home of the Lee de Forest and American Marconi companies, and in Boston, headquarters of John Stone Stone and Reginald Fessenden.

Information in this section was compiled from the Clark Collection; the *Invention and Innovation in the Radio Industry* by W. Rupert Maclaurin, Macmillan Company, New York, 1949; and *Radio Pioneers*, Institute of Radio Engineers, Commemorating the Radio Pioneers Dinner, Hotel Commodore, New York, NY, November 8, 1945.

The De Forest Companies

Lee De Forest (1873-1961), inventor of the three-element vacuum tube or triode (1906) and the feedback circuit, was one of the first Americans to write a doctoral thesis on wireless telegraphy: "The Reflection of Short Hertzian Waves from the Ends of Parallel Wires," Yale University, 1899. The grid-controlled tube or audion of De Forest was first a radio detector, 1906-1907; in 1912 was adapted to an amplifier; and later to an oscillator. When it was perfected as a high vacuum tube, it became the great electronic instrument of electrical communications.

De Forest began work in the Dynamo Department at the Western Electric Company in 1899. Six months later he was promoted to the telephone laboratory. In 1900 De Forest went to work for the American Wireless Telegraph Company where he was able to carry out work on his "responder." However, after three months when De Forest refused to turn over the responder to the company, he was fired.

In the following year De Forest had a number of jobs, was active as an inventor, and created numerous firms to manufacture his inventions. In 1901 De Forest joined with Ed Smythe, a former Western Electric colleague and a collaborator in his research, to found the firm of De Forest, Smythe, and Freeman. Between 1902 and 1906 De Forest took out thirty-four patents on all phases of wireless telegraphy. The responder that he had been working on for so long never proved satisfactory.

The numerous De Forest companies, reflected his many interests and his inability to carry one project through to a conclusion. Unlike Marconi, but similar to Fessenden, De Forest had great inventive skill which resulted in a great number of companies; but none lasted long. The original partnership of 1901 led to the Wireless Telegraph Co. of America (1901), the De Forest Wireless Telegraph Company (Maine) (1902), and the American De Forest Wireless Telegraph Company (1903), to name a few.

The American De Forest Wireless Telegraph Company was incorporated after De Forest met a stock promoter, Abraham White. While many stations were built by this company, many never sent a message due to static interference. In 1907 two speculators from Denver with large holdings of company stock put the company out of business. The assets were sold to a new company that these speculators organized, the United Wireless Telephone Company. De Forest was forced to resign. He took the triode patents with him.

De Forest joined with one of White's stock salesmen, James Dunlop Smith, and together with De Forest's patent attorney, Samuel E. Darby, they formed a new corporation, the De Forest Radio Telephone

Company in 1907. This company set out to develop wireless communication by means of the radio telephone.

In January 1910 De Forest staged the first opera broadcast, with Enrico Caruso singing. The Radio Telephone Company went bankrupt in 1911 following an aborted merger with North American Wireless Corporation. In 1913 he reorganized the company as the Radio Telephone and Telegraph Company and began producing the triode.

The Marconi Company brought a patent suit, claiming the triode infringed on the Fleming valve to which it had rights. In 1916 the court decided that Marconi had infringed the three element De Forest patent and that De Forest had infringed the two element Fleming valve. The result was that neither company could manufacture the triode.

In 1920 RCA acquired the De Forest triode rights through cross-licensing agreements with AT&T which had recently purchased the rights to it. De Forest's company was no match for GE, Westinghouse, and RCA. The De Forest Radio Company (1923) went bankrupt in 1928, was reorganized in 1930, and went into receivership in 1933. RCA eventually purchased its assets.

Marconi Companies

Guglielmo Marconi (1874-1937) came from a wealthy and well connected Italian family. He was able to spend his time developing his inventions and following his own course of action. Marconi spent his entire life developing wireless communication into a "practical" reality. In 1905 Marconi invented a directional antenna. In 1909 he shared with Karl Ferdinand Braun the Nobel prize in physics. And in 1912 he invented the time spark system for the generation of continuous waves. The principal patents in his name were improved types of vertical antennas; improved coherer; magnetic detector for the detection of wireless signals; and improvements on methods of selective tuning. Two other inventions of great importance to the Marconi companies' patent structure were the Oliver Lodge tuning patent and the Ambrose Fleming valve.

In 1895 Marconi made the first successful transmission of long wave signals. The following year he met William Preece, engineer-in-chief of the British Post Office, who was interested in inductive wireless telegraphy. This meeting led to the formation in 1897 of the Marconi Wireless Telegraph Company Ltd. In 1898 he transmitted signals across the English Channel. In 1899 an American subsidiary was formed. The various Marconi companies were the dominant enterprises in both British and American wireless until 1919 when RCA was formed.

From a business standpoint, wireless did not become profitable until long distance communications were accomplished. On December 12, 1901 in St. John's, Newfoundland, Marconi received a telegraph signal in the form of repetitions of the Morse telegraphic letter "S" transmitted from the Marconi station at Poldhu, Cornwall, England. This success, however, was met by opposition from vested interests, particularly the Anglo-American Telegraph Company whose cables terminated in Newfoundland.

So as not to restrict his company's future to one front alone, Marconi decided to exploit the field of communication with ships at sea. In order to control this field he decided in 1900 to lease his apparatus rather than sell it outright. This strategy did not work. Competition developed in Germany (Telefunken Corporation) and the United States (American De Forest and its successor, United Wireless) and Marconi was forced to sell rather than lease apparatus to the navies of various countries. He nevertheless retained numerous restrictions. This led to further friction. At the height of this debacle English stations worldwide refused to communicate with ships without Marconi equipment. This absurd and dangerous situation had to change and coastal stations opened up to all senders in 1908.

Marconi's system was based on spark technology. He saw no need for voice transmission. He felt the Morse code adequate for communication between ships and across oceans. He, along with most others,

did not foresee the development of the radio and the broadcasting industry. He was a pragmatist and uninterested in scientific inquiry in a field where commercial viability was unknown.

For these reasons Marconi left the early experimentation with the radio telephone to others, particularly Lee De Forest and Reginald Fessenden.

National Electric Signaling Company

Canadian-born Reginald Fessenden (1866-1932), one of the principal early radio inventors and the first important inventor to experiment with wireless, left the University of Pittsburgh in 1900 to work for the U.S. Weather Bureau. There he invented the liquid barretter, an early radio receiver, and attempted to work out a means for wireless transmission of weather forecasts. After a squabble over patent rights, Fessenden resigned in 1902.

The National Electric Signaling Company (NESCO), primarily intended to support Fessenden's work on wireless, telegraphy, and telephony, was formed by Fessenden and two Pittsburgh capitalists, Hay Walker, Jr. and Thomas H. Given. It began as an inventor's laboratory and never proved successful as a business venture.

Fessenden recognized that a continuous wave transmission was required for speech and he continued the work of Nikola Tesla, John Stone Stone, and Elihu Thomson on this subject. Fessenden felt he could also transmit and receive Morse code better by the continuous wave method than with a spark-apparatus as Marconi was using.

In 1903 Fessenden's first high-frequency alternator needed for continuous wave transmission was built to his specifications by Charles Steinmetz of GE. In 1906 Fessenden obtained a second alternator of greater power from GE and on Christmas Eve broadcast a program of speech and music. The work on this alternator was given to Ernst F. W. Alexanderson. It took years for Alexanderson to develop an alternator capable of transmitting regular voice transmissions over the Atlantic. But by 1916 the Fessenden-Alexanderson alternator was more reliable for transatlantic communication than the spark apparatus.

Fessenden also worked on continuous-wave reception. This work arose out of his desire for a more effective type of receiver than the coherer, a delicate device that was limited by its sensitivity on a rolling ship at sea. In 1903 he developed a new receiving mechanism - the electrolytic detector.

As his work progressed Fessenden evolved the heterodyne system. However, due to faulty construction and the fact that it was ahead of its time, heterodyne reception was not fully appreciated until the oscillating triode was devised, thus allowing a practical means of generating the local frequency.

Between 1905 and 1913 Fessenden developed a completely self-sustaining wireless system. However, constant quarrels between Fessenden, Walker, and Given culminated in Fessenden's forming the Fessenden Wireless Company of Canada. He felt a Canadian company could better compete with British Marconi. As a result, his backers dismissed Fessenden from NESCO in January of 1911. Fessenden brought suit, won, and was awarded damages. To conserve assets pending appeal, NESCO went into receivership in 1912, and Samuel Kintner was appointed general manager of the company.

In 1917 Given and Walker formed International Signal Company (ISC) and transferred NESCO's patent assets to the new company. Westinghouse obtained majority control of ISC through the purchase of \$2,500,000 worth of stock. The company was then reincorporated as The International Radio Telegraph Company. The Westinghouse-RCA agreements were signed in 1921 and International's assets were transferred to RCA.

RCA

The development of the radio industry accelerated after 1912. This was due to several factors, the most important of which was the passage of legislation by the US government requiring ships at sea to carry wireless. This created a market incentive and spurred the growth of the industry. Also, with the outbreak of World War I, the larger electrical companies turned their manufacturing output to radio apparatus, supporting the war effort. Three firms were prominent in this industrial endeavor: AT&T, GE, and Westinghouse.

AT&T's early contributions to this effort centered on their improvements of De Forest's triode, particularly in the evolution of circuits, the redesign of the mechanical structure, and an increase in the plate design. The importation of the Gaede molecular pump from Germany created a very high vacuum. The resulting high-vacuum tube brought the practical aspects of the wireless telephone closer to reality. By August 1915 speech had been sent by land wire to Arlington, Va., automatically picked up there via a newly developed vacuum-tube transmitter, and subsequently received at Darien, Canal Zone. By 1920 AT&T had purchased the rights to the De Forest triode and feedback circuit, and had placed itself in a strong position in the evolution of radio technology.

GE centered its efforts on the alternator, assigning Ernst F. W. Alexanderson to its design, and on further development of vacuum tube equipment for continuous wave telegraph transmission. By 1915 Alexanderson, Irving Langmuir, William D. Coolidge, and others had developed a complete system of continuous wave transmission and reception for GE.

As can be seen, both AT&T and GE were diverting major time and expenditures on vacuum tube research. This inevitably led to patent interferences and consequently, to cross-licensing arrangements.

Westinghouse was not in the strategic position of GE and AT&T. Nevertheless, during the war it did manufacture large quantities of radio apparatus, motors, generators, and rectifiers for the European and American governments. Postwar moves led Westinghouse into full partnership with the other two companies.

By the end of the war, all three companies had committed significant resources to wireless. They were hampered internationally, however, by the Marconi Company's dominant status, and in the United States they were blocked by opposing interests with control of key patents.

The US government also was concerned with this lack of solidarity in the wireless industry and over the British domination of the field worldwide. This impasse set a fascinating and complicated stage for the formation of the RCA.

Owen D. Young, legal counselor for GE, was instrumental in breaking the impasse. Through an innovative and far-reaching organizational consolidation, Young was able to persuade British Marconi that persistence in monopoly was a fruitless exercise, because of the strong US government feelings. Marconi, realizing the harm of a potential American boycott, finally agreed to terms. GE purchased the controlling interest in American Marconi, and RCA was formed. Young was made chairman of the board of RCA, while Edwin J. Nally and David Sarnoff of the old American Marconi were appointed president and commercial manager respectively.

On July 1, 1920, RCA signed a cross-licensing agreement with AT&T. The telephone company purchased one half million shares of RCA common and preferred stock for several considerations -- the most important being that all current and future radio patents of the two companies were available to each other royalty-free for ten years. Many provisions of these agreements were ambiguous and led to later squabbles between the RCA partners.

In May 1920 Westinghouse, which had an efficient radio manufacturing organization, formed an alliance with the International Radio and Telegraph Company (NESCO's successor). Westinghouse's part ownership gave them control of Fessenden's patents, particularly continuous-wave transmission and heterodyne transmission. Westinghouse also wisely purchased in October of 1920 Armstrong's patents

on the regenerative and superheterodyne circuits -- which also included some of Columbia University professor Michael Pupin's patents. This placed Westinghouse in a strong bargaining position vis-à-vis RCA and in their new consolidated corporation. Westinghouse joined the growing group of radio companies on June 30, 1921. With these mergers, RCA agreed to purchase forty percent of its radio apparatus from Westinghouse and sixty percent from GE.

Through these and other legal arrangements, RCA obtained the rights to over 2,000 patents. These amounted to practically all the patents of importance in the radio science of that day. As a result, other firms in the radio industry, for example, the United Fruit Company and the Wireless Specialty Apparatus Company, entered into cross-licensing arrangements with RCA.

RCA also made arrangements internationally with the three dominant companies in radio communication in their respective countries. British Marconi, Compagnie Generale de Telegraphie sans fil, and Telefunken. Each corporation was given exclusive rights to use the other companies' patents within their own territories.

The rise of amateur radio in the 1920s and, to a greater extent, the demand for new products by the general public contributed to the rise of the broadcasting industry. This put a strain on the earlier agreements between the major radio corporations and between 1921 and 1928 there was a struggle over patents for control of the evolving medium.

An initial attempt by AT&T to control the broadcasting industry -- using its earlier cross-licensing agreements to manufacture radio telephone transmitting equipment -- began with AT&T's disposal of RCA stock holdings in 1922-1923. It ended in 1926 with a new cross-licensing agreement which gave AT&T exclusive patent rights in the field of public service telephony and gave GE, RCA, and Westinghouse exclusive patent rights in the areas covered by wireless telegraphy, entertainment broadcasting, and the manufacture of radio sets and receiving tubes for public sale.

In 1926 after the agreements were finalized, RCA, GE, and Westinghouse joined forces and established the National Broadcasting Company (NBC). Fifty percent of the stock went to RCA, thirty percent to GE, and twenty percent to Westinghouse. The new company was divided into three divisions: the Red, Blue, and Pacific Networks. Independent, competing networks soon emerged. William S. Paley and his family formed the Columbia Broadcasting System (CBS) in 1927. The Mutual Broadcasting System was formed in 1934.

By 1928 RCA had strong patent positions in all major areas of the radio industry, including the research, development and manufacture of vacuum tubes and speakers. Most small companies entering the industry in the 1920s produced their products based on prior research by others and on expired patents. An RCA license, therefore, was essential for the manufacture of any modern radio set or vacuum tube.

In the late 1920s new developments in the reproduction of sound, produced significant changes in the phonograph industry. Among those new developments were the introduction of the electronic record, and the marketing of the Radiola 104 Loudspeaker in 1926. In 1929 RCA purchased the Victor Talking Machine Company. This changed not only the quality but the sales of the phonograph and the phonograph record. A new entertainment industry was born and an ever-expanding market for consumer products was created with cultural implications that continue today.

Telefunken

German industrialists were eager to break the Marconi Company's monopoly. Although Marconi had patents on his inventions in Germany, the Germans developed a rival system through the Telefunken Corporation, incorporated in 1903, based on the inventions of Professor Ferdinand Braun, Dr. Rudolf Slaby, and Count George von Arco.

Before 1903 the Braun-Siemens and Halske system had been developed by Gesellschaft fur Drahtlose Telegraphie (GFDT). The Slaby-Arco system had been developed by Allgemeine Electricitats-Gesellschaft. After litigation over patents, the German court handed down a decision in favor of the GFDT. The Kaiser, with national interests in mind, ordered that the rivalry cease. The two systems were amalgamated under GFDT, and became known as the Telefunken.

Chronology of Some Significant Events In The History of The Radio Industry

Date	Event
1895	Marconi experiments with Hertz's oscillator and Branley's coherer.
1897	In March Marconi demonstrates his wireless system on Salisbury Plain, near London, and files a complete patent specification. In May trials of Marconi's system are made over water between Lavernock and Flatholm, a distance of three miles. On May 13, communication is established between Lavernock Point and Brean Down, a distance of eight miles. German scientist Professor Slaby is present. The first Marconi station is erected at the Needles, Isle of Wight. A distance of fourteen and one-half miles is bridged by wireless. In December the Marconi station at the Needles communicates with a ship eighteen miles at sea.
1898	In England Oliver Lodge files a complete specification covering inventions in wireless telegraphy.
1899	The New York Herald uses Marconi's wireless telegraphy to report the progress of the International Yacht races between the Columbia and the Shamrock off New York harbor in September. US. Navy vessels make trials of Marconi's wireless telegraph system. The cruiser New York and the battleship Massachusetts are equipped with apparatus. Fessenden develops improvements in methods of wireless telegraph signaling.
1900	The Marconi International Marine Communication Company is organized on April 25th in London. Reginald Aubrey Fessenden begins work at the United States Weather Bureau. Over the next two years he invents the liquid barretter, an improved radio receiver.
1901	In February on board the SS Philadelphia, Marconi receives wireless signals over a distance of 1,551 miles. In March Marconi wireless telegraph service begins between islands of the Hawaiian group. On December 12, Marconi receives transatlantic signal at St. John's, Newfoundland from Poldhu, Cornwall, England. The Canadian government orders two Marconi telegraph sets for use at coastal points along the Strait of Belle Isle.
1901	Fessenden procures US patent no. 706737 for a system of radio signaling employing long waves (low frequency). De Forest develops a system of wireless telegraphy in Chicago. 1903-06 10,000 to 50,000 cycle machines, 1 kW, are developed by Steinmetz and by Alexanderson of GE for Fessenden. 1905 Marconi procures patent number 14788 in England, covering the invention of the horizontal directional antenna.
1906	At Brant Rock, Massachusetts, Fessenden employs a generator of one-half kW capacity, operating at 75,000 cycles, for radio purposes. He succeeds in telephoning a distance of eleven miles by means of wireless telephone apparatus.
1907	De Forest procures a U. S. patent for an audion amplifier of pulsating or alternating current.

- 1908 Marconi stations in Canada and England are opened for radio telegraph service across the Atlantic. Fessenden constructs a 70,000-cycle alternator with an output of 2.5 kW. at 225 volts, for radio signaling purposes. He reports successful radio telephone tests between Brant Rock and Washington, DC, a distance of 600 miles.
- 1909 US House of Representatives passes the Burke Bill for the compulsory use of radio telegraphy on certain classes of vessels. The United Wireless Telegraph Company and the Radio Telephone Company of New York (De Forest and Stone systems) begin the erection of radio stations in the Central and Western states. Marconi shares with Ferdinand Braun of Germany the Nobel prize in recognition of contributions in wireless telegraphy.
- 1910 An act of the US government requires radio equipment and operators on certain types of passenger ships. The Glace Bay, Nova Scotia, Marconi station is opened in September. This station communicates with Clifden, Ireland. The transatlantic tariff is seventeen cents a word.
- 1911 A radio section is organized by the US Department of Commerce to enforce the provisions of national radio legislation. Marconi Wireless Telegraph Company acquires the Lodge-Muirhead patents.
- 1912 Rotary gap is used with Fessenden 100 kW 500 cycle spark set at NAA, the Navy's first high-power station at Arlington, Virginia. Marconi Wireless of America acquires property of the United Wireless Telegraph Company. British Marconi secures the important radio patents of Bellini and Tosi, Italian inventors. Wreck of the SS Titanic on April 15th. The act of 1910 is extended on July 23 to cover cargo vessels. requires an auxiliary source of power on ships and two or more skilled radio apparatus operators on certain types of passenger ships. On August 13, an act provides for licensing radio operators and transmitting stations.
- 1912-1913 High vacuum amplifying tubes (an improvement on De Forest's), using the findings of pure science, are produced almost simultaneously in two great industrial laboratories, by Dr. H. D. Arnold of AT&T and Irving Langmuir of GE.
- 1915 De Forest Ultra-audion three-step (cascade) audio amplifier is announced and introduced into practice.
- 1916 GE and the Western Electric Company develop the first experimental vacuum tube radiotelephone systems for the Navy.
- 1917-1918 First production of vacuum tubes in quantity, both coated filament and tungsten filament types, by Western Electric Company and GE.
- 1918 Lloyd Espenschied procures US patent number 1,256,889 for the invention of a duplex radio telegraph system. (See Lloyd Espenschied Papers, Archives Center, NMAH, Collection #13.) The House of Representatives passes a resolution on July 5, authorizing the President to take over management of telegraph and telephone systems due to war conditions.
- 1919 Bills are introduced in Congress for permanent government control of radio stations. The widespread resentment of amateurs has more to do with the defeat of these bills than the objections of commercial companies. Roy Alexander Weagant, New York, reports having developed means of reducing disturbances to radio reception caused by atmospheric or static. This is the first successful static-reducing

- system. GE purchases the holdings of the British Marconi Company in the Marconi Wireless Telegraph Company of America, the name of the latter company being changed to Radio Corporation of America (RCA) in October. Edward J. Nally is elected president of the new company.
- 1920 E. F. W. Alexanderson is appointed Chief Engineer of RCA. RCA begins the installation of 200-kW Alexanderson alternators at Bolinas, California, and Marion, Massachusetts. The Tropical Radio Telegraph Company, a subsidiary of the United Fruit Company, New York, operates ten long-distance radio stations at points in Central and South America. RCA purchases 6,000 acres at Rocky Point, Long Island, New York, and begins erection of a Radio Central station, comprising a number of operating units for communication with European stations and stations in South America. On May 15, RCA inaugurates radio telegraph services between installations at Chatham and Marion, Massachusetts, and stations at Stavanger and Jaerobe, Norway. Westinghouse Company's radio station KDKA, Pittsburgh, Pennsylvania, broadcasts returns of the national elections, November 2. Development, design, and manufacture by GE of the early receiving and transmitting tubes made available to the public by RCA (UV-200,201,202). Radio telegraph stations and properties taken over by the government under war time powers are returned to their owners at midnight, February 29. The government calls for bids for the sale of large quantities of surplus radio and telegraph and telephone apparatus purchased for war needs and not used.
- 1921 RCA develops Vacuum tubes UV-200(detector) and UV-201(amplifier) -- both triodes with brass shells known as the UV base, and incorporating a filament that required 1 ampere at 5 volts for operation -- for storage battery operation; and at the same time also released to the public the WD-11 for dry cell operation, which employed an oxide-coated tungsten filament. RCA station at Rocky Point, Long Island, opens on November 5. WJZ station established by the Westinghouse Company in Newark, NJ. RCA broadcast station at Roselle Park, NJ (WDY) opens on December 15. It continues operation until February 15, 1922, when its operation is transferred to WJZ, Newark, previously owned by Westinghouse. RCA installs 200-kW alternator at Tuckerton, NJ.
- 1922 First use of tube transmitters by RCA for service from the United States to England and Germany. RCA begins substitution of tube transmitters on ships to replace spark sets. RCA begins replacement of crystal receivers by tube receivers on ships.
- 1923 Broadcast stations WJZ and WJY opened in New York in May by RCA. WRC opens in Washington on August 1. The UV-201A, receiving tubes developed by GE and consuming only 1/4 of an ampere are introduced by RCA. Tungsten filaments coated and impregnated with thorium were employed.
- 1924 Edwin H. Armstrong, demonstrates the superheterodyne receiver on March 6th. In November RCA experiments with radio photographs across the Atlantic. RCA markets the superheterodyne receivers for broadcast reception.
- 1925-26 Dynamic loudspeakers introduced. Magnetic pick-up phonograph recording and reproduction developed. RCA opens radio circuit to Dutch East Indies. Direction-finders introduced on ships.

1927

Fully self-contained AC radio receivers introduced.

Scope and Content Note

The materials accumulated in this collection represent the overriding collecting passion of one individual, George H. Clark. The collection forms a documentary record of over half a century of the history of radio, with the greatest emphasis on the period 1900-1935.

The collection includes materials that span the entire history of the growth of the radio industry. It is useful for those historians and other researchers interested in technological development, economic history, and the impact of applications of technology on American life.

In particular, the collection is rich in biographical information on the men who developed the technical aspects of radio and the industry; information on the inception, growth, and activities of radio companies, most notably the National Electric Signaling Company and RCA; and in photographs of all aspects of Radioana.

While most materials document technical aspects of radio, there is much information (e.g. Series 109, 134) on broadcasting and on the early history of television.

The collection, housed in over 700 boxes (about 276 linear feet), was organized into 259 numbered "classes" or series by Clark. Sixty series numbers were never used or were eliminated by Clark and combined with other series. The unused numbers are scattered throughout the filing system. The collection also includes material from series that were eliminated. These materials were never reclassified and are included as an unprocessed series at the end of the series descriptions. The collection also contains material that was never assigned a "class" designation by Clark (Lettered Series: D, E, F, G, H).

The arrangement of the collection is Clark's own; his adaptation of the Navy filing system he helped devise in 1915. Clark periodically revised the filing system and reclassified items within it.

Clark assigned class numbers to types of equipment (e.g. broadcast receivers), systems (impulse-excited transmitters and systems), scientific theories (circuit theory), and topics (company history, biography). Box 1 contains descriptions of the classification system.

When Clark classified an item and filed it he also assigned a serial number. This classification begins with 1 (or 1A) for the first item in the class and continues with successive numbers as items were added. As a consequence, the order of individual items within a series reflects the order in which Clark filed them, not any logical relationship between the items. Clark created cross references for items dealing with more than one subject by making notations on blank sheets of paper placed in related series.

Clark made cross references between series when there was no logical relationship between them; that is, when a person using the collection would not normally look in the series. For example no cross reference would be made of an engineer from series 87 (portraits) to series 4 (biography), but one would be made from series 87 to series 142 (history of television) if the item showed the engineer, say, working on a television installation.

Clark created the insignia "SRM" as the sign on the bottom of all sheets of paper numbered by him for binding. SRM stood for Smithsonian Radio Museum. This replaced the earlier though not greatly used sign "CGM." For a time about 1930, the class number on each sheet was preceded by these: "C.G.M.", for Clark, Martin, and Goldsmith, the earliest contributors to what would become the Clark Radioana Collection. After about 1933-34 Clark used C.W.C. for Clark Wireless Collection.

There are many photographs located in most series throughout the collection. But there are also three exclusive photographic series. Lettered series A, B, C. See index; and also series descriptions under lettered series.

Arrangement

The collection is divided into 223 series.

Numbered Series 1-233:

- Series 1, Library Operating System, 1915-1950
- Series 2, Apparatus Type Numbers, 1916-1931
- Series 3, Photographic Lists, 1925-1928
- Series 4, Biographies of Radio Personages, Technical Index to Correspondents in Series 4
- Series 5, History of Radio Companies, 1895-1950
- De Forest Radio Company, 1905-1930s
- Jenkins Television Corporation, 1924-1931
- Marconi Wireless Telegraph Company, 1908-1929
- National Electric Signaling Company, 1896-1941
- Wireless Specialty Apparatus Company, 1906-1929
- Radio Corporation of America, 1895-1950
- Series 6, Shore Stations, 1900-1940
- Series 7, Marine Stations, 1900-1930s
- Series 8, Broadcasting Stations, 1910s-1940s
- Series 9, Amateur Stations, 1910s-1940s
- Series 10, Miscellaneous Information, 1911-1914
- Series 11, Radio Antiques, 1921-1938
- Series 13, Specifications of Radio Apparatus, 1910s-1930s
- Series 14, General History, 1899-1950s
- Series 15, Radio Companies Catalogues & Bound Advertisements, 1873-1941
- Series 16, Log Books, 1902-1923
- Series 17, Radio Companies' House Organs, 1896-1942
- Series 18, Prime Movers, 1904-1911
- Series 19, Batteries, 1898-1934
- Series 20, Rectifiers, 1875-1935
- Series 21, Motor Generators, 1898-1936
- Series 22, Nameplates of Apparatus, 1928
- Series 23, Switchboards and Switchboard Instruments, 1910-1935
- Series 24, Radio Frequency Switches, 1905-1905-1933
- Series 25, Transmitter Transformers, 1893-1949
- Series 26, Operating Keys, 1843-1949
- Series 27, Power Type Interrupters, 1902-1938
- Series 28, Protective Devices, 1910-1925
- Series 30, Message Blanks, 1908-1938
- Series 31, Transmitter Condensers, 1849-1943
- Series 32, Spark Gaps, 1905-1913
- Series 33, Transmitter Inductances, 1907-1922
- Series 34, Transmitter Wave Changers, 1907-1924
- Series 37, ARC Transmitters, 1907-1940
- Series 38, Vacuum Tube Type of Radio Transmitter, 1914-1947
- Series 39, Radio Transmitter, Radio-Frequency, Alternator Type, 1894-1940

- Series 41, Vacuum Tubes, Transmitting Type, 1905-1948
- Series 43, Receiving Systems, 1904-1934
- Series 45, Broadcast Receivers, 1907-1948
- Series 46, Code Receivers, 1902-1948
- Series 47, Receiving Inductances, 1898-1944
- Series 48, Receiving Condensers, 1871-1946
- Series 49, Audio Signal Devices, 1876-1947
- Series 50, Detectors, 1878-1944
- Series 51, Amplifiers, 1903-1949
- Series 52, Receiving Vacuum Tubes, 1905-1949
- Series 53, Television Receivers, 1928-1948
- Series 54, Photo-Radio Apparatus, 1910-1947
- Series 59, Radio Schools, 1902-1945
- Series 60, Loudspeakers, 1896-1946
- Series 61, Insulators, 1844-1943
- Series 62, Wires, 1906-1945
- Series 63, Microphones, 1911-1947
- Series 64, Biography, 1925-1948
- Series 66, Antennas, 1877-1949
- Series 67, Telautomatics, 1912-1944
- Series 69, Direction Finding Equipment, Radio Compasses, 1885-1948
- Series 71, Aircraft Transmitters, 1908-1947
- Series 72, Field or Portables Transmitters, 1901-1941
- Series 73, Mobile Radio Systems, 1884-1946
- Series 74, Radio Frequency Measuring Instruments, 1903-1946
- Series 75, Laboratory Testing Methods and Systems, 1891-1945
- Series 76, Aircraft Receivers, 1917-1941
- Series 77, Field Portable Receivers, 1906-1922
- Series 78, Spark Transmitter Assembly, 1909-1940
- Series 79, Spark Transmitter System, 1900-1945
- Series 82, Firsts in Radio, undated
- Series 85: Distance Records and Tests, 1898-1940
- Series 87, Photographs of Radio Executives, and Technical Types, 1857-1952
- Series 90, Radio Terms, 1857-1939
- Series 92, Static Patents and Static Reducing Systems, 1891-1946
- Series 93, Low Frequency Indicating Devices, 1904-1946
- Series 95, Articles on Radio Subjects, 1891-1945
- Series 96, Radio in Education, 1922-1939
- Series 98, Special Forms of Broadcasting, 1921-1943
- Series 99, History of Lifesaving at Sea by Radio, 1902-1949
- Series 100, History of Naval Radio, 1888-1948
- Series 101, Military Radio, 1898-1946
- Series 102, Transmitting & Receiving Systems, 1902-1935
- Series 103, Receiving Methods, 1905-1935
- Series 108, Codes and Ciphers, 1894-1947
- Series 109, Schedules of Broadcasting & TV Stations, 1905-1940
- Series 112, Radio Shows and Displays, 1922-1947
- Series 114, Centralized Radio Systems, 1929-1935
- Series 116, United States Government Activities in Radio, 1906-1949
- Series 117, Technical Tables, 1903-1932
- Series 120, Litigation on Radio Subjects, 1914-1947
- Series 121, Legislation, 1914-1947
- Series 122, History of Radio Clubs, 1907-1946
- Series 123, Special Applications of Radio Frequency, 1924-1949

- Series 124, Chronology, 1926-1937
- Series 125, Radio Patents & Patent Practices, 1861-1949
- Series 126, Phonographs, 1894-1949
- Series 127, Piezo Electric Effect, 1914-1947
- Series 128, ARC Transmitting & Receiving Systems, 1904-1922
- Series 129, Spark Systems, 1898-1941
- Series 130, Vacuum Tubes Systems, 1902-1939
- Series 132, Radiophone Transmitting & Receiving System, 1906-1947
- Series 133, Photo-Radio, 1899-1947
- Series 134, History of Radio Broadcasting, 1908-
- Series 135, History of Radiotelephony, Other Than Broadcasting
- Series 136, History of Amateur Radio
- Series 138, Transoceanic Communication
- Series 139, Television Transmitting Stations
- Series 140, Radio Theory
- Series 142, History of Television
- Series 143, Photographs
- Series 144, Radio Publications
- Series 145, Proceedings of Radio Societies
- Series 146: Radio Museums
- Series 147, Bibliography of Radio Subjects and Apparatus
- Series 148, Aircraft Guidance Apparatus
- Series 150, Audio Frequency Instruments
- Series 151, History of Radio for Aircrafts
- Series 152, Circuit Theory
- Series 154, Static Elimination
- Series 161, Radio in Medicine
- Series 162, Lighting
- Series 163, Police Radio
- Series 169, Cartoons
- Series 173, Communications, Exclusive of Radio (after 1895)
- Series 174, Television Methods and Systems
- Series 182, Military Portable Sets
- Series 189, Humor in Radio (see
- Series 169)
- Series 209, Short Waves
- Series 226, Radar
- Series 233, Television Transmitter

Lettered Series

- Series A, Thomas Coke Knight RCA Photographs, circa 1902-1950
- Series B, George H. Clark Collection of Photographs by Class
- Series C, Clark Unorganized and/or Duplicate Photographs
- Series D, Miscellaneous
- Series E, News Clippings
- Series F: Radio Publications
- Series G, Patent Files of Darby and Darby, Attorneys, circa 1914-1935
- Series H, Blank Telegram Forms from many Companies and Countries Throughout the World
- Series I (eye), Miscellaneous Series
- Series J, Research and Laboratory Notebooks
- Series K, Index to Photographs of Radio Executives and Technical Types
- Series L, Index to Bound Volumes of Various Series
- Series M, Index to David Sarnoff Photographs

Names and Subject Terms

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

Subjects:

- Communication--1880-1950
- Electric engineers--1880-1950
- Electricity--1880-1950
- Radio engineers--1880-1950
- Radio--History

Types of Materials:

- Blueprints
- Clippings
- Correspondence--1930-1950
- Letters patent
- Patents
- Photographs--1850-1900
- Photographs--1900-1950
- Sale catalogs--Electrical equipment--1880-1950
- Technical drawings
- Technical manuals--electrical equipment

Names:

- American Marconi Company.
- Electricity and Modern Physics, Division of, NMAH, SI.
- Radio Corporation of America.

Container Listing

Series 1: Library Operating System, 1915-1950

Series 1 contains cataloging information on apparatus in the RCA Museum begun by Clark in 1928, including a general description of objects; information about the classification system Clark devised for his "Radioana" collection, including U.S. Navy WWI Classification system; and information on the history of the collection.

Box 1, Folder 1	Museum serial numbers: Includes name of apparatus; classification number; model; serial; type; form; manufacturer and address; brief history; description; and condition. 1 - 155
Box 1, Folder 2	156-300
Box 1, Folder 3	301-399
Box 1, Folder 4	400-599 (missing 484 - 499)
Box 1, Folder 5	800-1032 (missing 602 & 715)
Box 2, Folder 1	800-1032
Box 2, Folder 2	Composition Notebook: Clark used to assign serial numbers
Box 2, Folder 3	Clark's Outlines of his classification system
Box 2, Folder 4	General Correspondence, 1935-1950 relating to the history of the Collection
Box 3, Folder 1	Explanation of method used by Clark in assembling his collection of radio data, for binding, and ultimate housing in a museum or library in 1934; Preliminary notes to revision of Clark Radioana Collection; News and periodical clippings; U. S. Department of Commerce's "Classification of Radio Subjects" (25 pages)
Box 3, Folder 2	Navy Department's "Plan for Coordination of Radio Work at Navy Yards;" revised classification, May 19, 1915.
Box 3, Folder 3	Notes on the Genesis, Growth, and Possible Exodus of the Clark Radio Library
Box 3, Folder 4	RCA interdepartmental correspondence; notes on filing; and a few photographs showing the future home of the Clark Wireless Collection at MIT, 1948 - 1950
Box 3, Folder 5	List of material sent to Ford and Rosenwald Museums with tag and case numbers and data as to loan and gift
Box 3, Folder 6	History of Clark Wireless Collection by Clark [original] (see item listing in control file)

Series 2: Apparatus Type Numbers, 1916-1931

Series 2 consists of a memorandum from Clark to RCA and GE recommending the adoption of the Government's type number system for all American radio companies, and specifically recommending the Navy type numbering system.

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| Box 4, Folder 1 | Book #5 Navy Type Numbers, 1916 [51-455] |
| Box 4, Folder 2 | Book #1, Navy Type Numbers, 1918 [51-4094] |
| Box 4, Folder 3 | Book #3, RCA Type Number Bookm Oart 1, 1920 |
| Box 5, Folder 1 | Type Numbers assigned to apparatus -- recommendations by Clark, 1920 |
| Box 5, Folder 2 | Book #4, Navy Type numbers, 1923 [51-4217] |
| Box 5, Folder 3 | Annual & Monthly Report by Clark of Museum Operation, 1930-1931 |

Series 3: Photographic Lists, 1925-1928

Series 3 contains lists, by number, of photographs in the files of Thomas Coke Knight, New York City (see Series A). It also includes lists of other photographs, e.g. RCA and the Marconi Company; Jenkins Television System, manufactured at De Forest factories at Passaic and Jersey City, New Jersey, 1925 - 1928; negative numbers with some captions for the RCA Radio Show Display, "The Wooden Book of Radio" and the duplicate of a bound book in series 14 containing photographs of the display; and a notebook, titled "Fessenden" containing photographic captions and numbers for the National Electric Signaling Company, Brant Rock, Massachusetts.

- Box 6, Folder 1-3 Thomas Coke Knight Photographic Numbers List (Series A) [Including: Jenkins Television System, manufactured at De Forest factories at Passaic and Jersey City, New Jersey, 1925 - 1928]
- Box 6, Folder 4 Photographic Lists on RCA Letterhead (handwritten)
- Box 6, Folder 5 Historical Radio Photographs: "The Wooden Book of Radio" negative numbers with some captions for the RCA Radio Show Display
- Box 6, Folder 6 Radio Show Photographs: duplicate of a bound book in Series 14
- Box 6, Folder 7 Captions for negatives in RCA Show Display: "The Wooden Book of Radio"
- Box 6, Folder 8 Notebook, titled "Fessenden" containing photographic captions and numbers for the National Electric Signaling Company, Brant Rock, Massachusetts

Series 4: Biographies of Radio Personages, Technical, 1898-1948

Series 4 comprises a large collection of disparate materials accumulated by Clark on persons important in the technological development of radio. Included in it are primary materials relating to some of the most important inventors and innovators in radio and wireless communication, including Guglielmo Marconi, Lee DeForest, Nicola Tesla, Reginald A. Fessenden, Roy A. Weagant and John Stone Stone. Additionally, Clark collected documentation on amateurs, radio corporation executives, navy radio aids Clark knew, operators, engineers and hundreds of others active in radio in the first half of the twentieth century. The documents include: letters, and in some cases, full sets of correspondence between individuals; biographical and autobiographical writings (such as resumes) solicited by Clark for inclusion in his "radio library"; writings by Clark and others on various topics in radio history; litigation and patent documents; internal corporate memoranda; drawings, blueprints and designs; and most voluminous, printed material in various forms, including clippings, articles, award programs, press releases and scrapbook entries. Clark's scrapbook entries range from one-line facts about individuals typed or written directly onto a page, citations for other sources of information about individuals, business cards, photographs, and newspaper and magazine clippings ranging in length from one or two lines to several pages.

This series is arranged in alphabetical order by name of individual. The box and folder inventory of this finding aid indicates what types of documents are included on each person. A separate file has been created for individuals when primary material is included. When only secondary material exists, such as clippings, the material has been filed in a general file under the appropriate letter of the alphabet. The finding aid also lists these names and types of documents included. Photocopies of scrapbook items have been filed in cases where information about more than one individual was found on a single page. Correspondence and other documents which pertain to more than one person have been cross referenced in the index to correspondents which follows this finding aid.

A selected list of individuals for whom the collection contains the most comprehensive primary material follows: Armstrong, Edwin Howard; Clark, George H.; DeForest, Lee; Dolbear, Amos; Dubilier, William; Dunlap, Orrin; Fabbri, Alessandro; Farnsworth, Philip; Fessenden, Reginald A.; Firth, John A.; Goldsmith, Alfred N.; Harbord, James G.; Hooper, Stanford C.; Isbell, Arthur A.; Kintner, S.M.; Logwood, Charles Vern; Loomis, Mahlon; Lowenstein, Fritz; Marconi, Guglielmo; Mauborgne, Joseph O.; McCandless, H.W.; Nally, E.J.; Oleson, Harold F.; Pickard, Greenleaf Whittier; Sarnoff, David; Stone, John Stone; Weagant, Roy A.

Subseries 4.1: General "A" file, including secondary material on the following persons:

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Box 7, Folder 1	Abernethy, William L. Award program, article
Box 7, Folder 1	Adair, George Article
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Box 7, Folder 1	Anderson, A. L. Articles
Box 7, Folder 1	Anderson, Charles S. Article
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Box 7, Folder 1	Anthony, Harvey M. Article
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Box 7, Folder 1	Armstrong, Robert Scrapbook entry on
Box 7, Folder 1	Arnold, Harold D. Article
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Box 7, Folder 1	Arnson, Ludwig Writings about
Box 7, Folder 1	Ayers, Nathaniel Articles
Box 7, Folder 1	Aylesworth, Merlin H. Letter, 1922
Box 7, Folder 2	Adams, Ira W. Biographical writings, article
Box 7, Folder 3	Adams, Quinton Correspondence, 1922; biographical writings; article
Box 7, Folder 4	Alexanderson, Ernst Correspondence, 1919
Box 7, Folder 5	Allen, George

- Correspondence, 1935-1945; biographical information; articles and printed material
- Box 7, Folder 6 Almonte, John de Jara
Correspondence, 1935; biographical writings; article
- Box 7, Folder 7 Appgar, Charles E.
Correspondence, 1937-1945; biographical information; article
- Box 7, Folder 8 Appleby, Thomas
Writings
- Box 7, Folder 9 Archer, Dean
Correspondence, 1941
- Box 7, Folder 10 Ardiff, W. LeYoung
Correspondence, 1916-1941; biographical writings; patent documents;
scrapbook entries and clippings on; litigation documents
- Box 7, Folder 11 Armstrong, Edwin H.
Biographical information; articles
- Box 7, Folder 12 Arnold, Frank A.
Letter to, 1935; biographical information; scrapbook entries on; articles
- Box 7, Folder 13 Aufenanger, W.F.
Letter, 1910; scrapbook entries on; articles
- Box 7, Folder 14 Austin, Louis Winslow

Subseries 4.2: General "B" file, including secondary material on the following persons

Scrapbook entry on

- Box 7, Folder 15 Babcock, Irving B.
- Box 7, Folder 15 Baidukoff, Georgi
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- Box 7, Folder 15 Bailey, George W.
Article
- Box 7, Folder 15 Bailey, S.L.
Article
- Box 7, Folder 15 Baker, Henry G.
Article
- Box 7, Folder 15 Baker, Newton D.
Scrapbook entry on
- Box 7, Folder 15 Baker, W.R.G.

Article

Box 7, Folder 15 Baldwin, M.W.
Article

Box 7, Folder 15 Ballantine, Stuart
Articles, scrapbook entries on

Box 7, Folder 15 Barager, Samuel Frank
Scrapbook entry on

Box 7, Folder 15 Barber, A.W.
Article

Box 7, Folder 15 Barkhausen, George Heinrich
Article

Box 7, Folder 15 Barkley, William J.
Article

Box 7, Folder 15 Barrett
Scrapbook entry on

Box 7, Folder 15 Batcheller, Arthur
Article

Box 7, Folder 15 Batsel, M.C.
Article

Box 7, Folder 15 Baxter, C.C.
Article

Box 7, Folder 15 Bayly, Benjamin deF
Award program, article

Box 7, Folder 15 Bechberger, Paul F.
Article

Box 7, Folder 15 Bechmann, Rudolf
Article

Box 7, Folder 15 Bedford, L.H.
Article

Box 7, Folder 15 Beers, G.L.
Award program, articles

Box 7, Folder 15 Bellini, Ettore
Scrapbook, entries on

Box 7, Folder 15 Bensing, G.W.
Resume

Box 7, Folder 15 Beresford, Lord Charles
Article

Box 7, Folder 15 Bergin, M.L.

Scrapbook entry on

Box 7, Folder 15 Berkner, Lloyd V.
Award program

Box 7, Folder 15 Bevis
Article

Box 7, Folder 15 Bieberman, Jane
Scrapbook entry on

Box 7, Folder 15 Billings, Ellen A.
Article

Box 7, Folder 15 Binns, Jack
Scrapbook entry on, article

Box 7, Folder 15 Bird, J.R.
Article

Box 7, Folder 15 Black, H.S.
Article

Box 7, Folder 15 Blakeslee, Lt.
Article

Box 7, Folder 15 Blalack, Charles E.
Scrapbook entry on

Box 7, Folder 15 Bliss, Cornelius N.
Scrapbook entry on, article

Box 7, Folder 15 Bondi, James F.
Scrapbook entry on

Box 7, Folder 15 Bordeaux, Lucien
Scrapbook entry on

Box 7, Folder 15 Bose, Jagadis Chunder
Scrapbook entry on

Box 7, Folder 15 Bottomley, John
Scrapbook entry on

Box 7, Folder 15 Bouck, Zeh
Scrapbook entry on

Box 7, Folder 15 Bouthillon, Leon
Scrapbook entry on

Box 7, Folder 15 Bowles, Edward L.
Scrapbook entry on

Subseries 4.3: General "C" file, including secondary material on the following persons:

- Box 7, Folder 18 Collinson, Peter
Scrapbook entry on
- Box 7, Folder 18 Colpitts, Edwin H.
Scrapbook entry on
- Box 7, Folder 18 Compton, Arthur H.
Scrapbook entry on
- Box 7, Folder 18 Conradt-Eberlin, Viggo H.
Articles
- Box 7, Folder 18 Conway, Urey W.
Scrapbook entry on
- Box 7, Folder 18 Cook, Jay D.
Press release
- Box 7, Folder 18 Cooke, G.C.
Articles
- Box 7, Folder 18 Coolidge, William David
Scrapbook entry on
- Box 7, Folder 18 Cooper, Charles B.
Article
- Box 7, Folder 18 Cornell, Ezra
Scrapbook entry on
- Box 7, Folder 18 Costigan, Daniel E.
Article
- Box 7, Folder 18 Coulter, Harry
Scrapbook entry on
- Box 7, Folder 18 Crocker, Allan E.
Scrapbook entries on
- Box 7, Folder 18 Crocker, Stuart M.
Scrapbook entry on, article
- Box 7, Folder 18 Croney, Evan
Scrapbook entry on
- Box 7, Folder 18 Crosley, Powel
Scrapbook entry on
- Box 7, Folder 18 Crossley, Alfred
Scrapbook entry on, article
- Box 7, Folder 18 Crowley, Sylvester W.
Scrapbook entry on

- Box 7, Folder 18 Cruse, Andrew W.
Scrapbook entry on
- Box 7, Folder 18 Culbert, Frederic P.
Memorandum
- Box 7, Folder 18 Culbertson, Owen
Scrapbook entry on
- Box 7, Folder 18 Cullum, A. Earl
Award program
- Box 7, Folder 18 Cummings, B.R.
Article
- Box 7, Folder 18 Cunaeus
Scrapbook entry on
- Box 7, Folder 18 Cunningham, Elmer T.
Memorandum, scrapbook entry on
- Box 7, Folder 18 Curie, Marie S.
Scrapbook entry on
- Box 7, Folder 18 Curtis, F.W.
Scrapbook entry on
- Box 7, Folder 18 Cutler, Bertram
Biographical information
- Box 7, Folder 37 Cabot, Sewall
Biographical writings, articles, scrapbook entry on
- Box 7, Folder 38 Cansler, Louis
Autobiographical writings
- Box 7, Folder 39 Carpenter, Glenn W.
Press release, scrapbook entry on
- Box 7, Folder 40 Chethan, Harry
Correspondence pertaining to, 1938
- Box 7, Folder 41 Clark, George H.
Letters, unknown date
- Box 7, Folder 42 Clark, George H.
Correspondence, 11903-1909
- Box 8, Folder 1 Clark, George H.
Correspondence, 1910
- Box 8, Folder 2 Clerk, George H.
Correspondence, January - July, 1911
- Box 8, Folder 3 Clark, George H.
Correspondence, August - December, 1911

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| Box 8, Folder 4 | Clark, George H.
Correspondence, 1912 |
| Box 8, Folder 5 | Clark, George H.
Correspondence, 1914-1917 |
| Box 8, Folder 6 | Clark, George H.
Correspondence, 1918-1927 |
| Box 8, Folder 7 | Clark, George H.
Correspondence, 1928-1934 |
| Box 8, Folder 8 | Clark, George H.
Correspondence, 1935 |
| Box 8, Folder 9 | Clark, George H.
Correspondence, 1936 |
| Box 8, Folder 10 | Clark, George H.
Corrspondence, 1937-1939 |
| Box 8, Folder 11 | Clark, George H.
Correspondence, 1940-1941 |
| Box 8, Folder 12 | Clark, George H.
Correspondence, 1942-1943 |
| Box 8, Folder 13 | Clark, George H.
Correspondence, 1944-1945 |
| Box 8, Folder 14 | Clark, George H.
Correspondence, 1946-1948 |
| Box 8, Folder 15 | Clark, George H.
Letters relating to, 1934-1935 |
| Box 8, Folder 16 | Clark, George H.
Biographical information |
| Box 8, Folder 17 | Clark, George H.
Biographical writings about |
| Box 9, Folder 1 | Clark, George H.
Autobiographical writings by |
| Box 9, Folder 2 | Clark, George H.
Autobiographical writings by |
| Box 9, Folder 3 | Clark, George H.
Writings on his career |
| Box 9, Folder 4 | Clark, George H.
Writings and speeches |
| Box 9, Folder 5 | Clark, George H.
Writings on radio history |

- Box 9, Folder 6 Clark, George H.
Writings on his collection and library
- Box 9, Folder 7 Clark, George H.
Writings: "'Regeneration' in the U.S. Navy"
- Box 9, Folder 8 Clark, George H.
Writings: "Preliminary Data on possible transfer of my historical library and collection of radioana to the Radio Corporation of America", June 11, 1941
- Box 9, Folder 9 Clark, George H.
Clark's list of patentable inventions, 1919
- Box 9, Folder 10 Clark, George H.
Litigation documents
- Box 9, Folder 11 Clark, George H.
Financial documents
- Box 9, Folder 12 Clark, George H.
First salary check
- Box 9, Folder 13 Clark, George H.
Clippings and printed material
- Box 9, Folder 14 Clark, George H.
Printed material
- Box 9, Folder 15 Clark, George H.
Miscellany
- Box 9, Folder 16 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, undated
- Box 9, Folder 17 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, 1905-1907
- Box 9, Folder 18 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, 1908-1913
- Box 9, Folder 19 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, 1914-1915
- Box 9, Folder 20 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, January - May, 1916
- Box 9, Folder 21 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, June, 1916 - 1917
- Box 10, Folder 1 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, 1918-1919
- Box 10, Folder 2 Clark, George H.
Records (drawings, notes) of Clark's patentable inventions, 1920
- Box 10, Folder 3 Clark, Willard

	Letters, 1944
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Box 10, Folder 5	Chohen, Alfred Biographical information
Box 10, Folder 6	Cole, Neil D. Letters, 1933-1935; business card
Box 10, Folder 7	Coleman, Arthur Letter, 1931; certificate, 1911
Box 10, Folder 8	Conrad, Frank Press release, articles, scrapbook entries on, address by David Sarnoff on
Box 10, Folder 9	Cooke, Charles G. Biographical information
Box 10, Folder 10	Cooper, C.B. Biographical and autobiographical information
Box 10, Folder 11	Costigan, A.J. Biographical information, articles
Box 10, Folder 12	Cowan Letter pertaining to, 1936
Box 10, Folder 13	Cram, E.R. Correspondence of and about, 1908-1947; biographical information; writings; drawings; scrapbook entries on
Box 10, Folder 14	Crosby, Murray G. Biographical information, printed matter
Box 10, Folder 15	Crosier, Emmet Letters, 1930
Box 10, Folder 16	Cunningham, E.T. Letters, 1922-1935; information on inventions; scrapbook entry on
Box 10, Folder 17	Curtis, A.M. Writings

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Box 10, Folder 18	Dana, Paul A. Scrapbook entry on

Box 10, Folder 18	Daniel, John B. Article
Box 10, Folder 18	Dannals, Earl Wood Business card
Box 10, Folder 18	Darby, Sam E., Jr. Scrapbook entry on
Box 10, Folder 18	Daum, Margaret Press release
Box 10, Folder 18	Davis, Lt. Cmdr. Scrapbook entry on
Box 10, Folder 18	Davis, Bryan S. Article
Box 10, Folder 18	Dawes, Charles G. Biographical information
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Box 10, Folder 18	DeLeath, Vaughn Scrapbook entries on
Box 10, Folder 18	DeMars, Paul Alva Article
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Box 10, Folder 18	Diamond, H. Article
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Box 10, Folder 18	Dolph, C.L. Award program
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Box 10, Folder 18	Dreyer, John Biographical information
Box 10, Folder 18	Duddell, William Scrapbook entry on

Box 10, Folder 18	DuMont, Allen B. Biographical information, article, scrapbook entries on
Box 10, Folder 18	Duncan, Rudolph L. Article
Box 10, Folder 18	Dunham, H.E. Article
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Box 10, Folder 18	Dunn, R.W. Scrapbook entry on
Box 10, Folder 18	Dyson, Sir Frank Scrapbook entry on
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Box 10, Folder 20	Davis, George S. Correspondence of and relating to, 1919-1920
Box 10, Folder 21	Davis, Manton Letters, 1932-1939; biographical information; articles
Box 10, Folder 22	DeForest, Lee Correspondence with Clark, undated and 1917-1948
Box 10, Folder 23	DeForest, Lee Correspondence, undated and 1918-1947 (some of it in excerpt form)
Box 10, Folder 24	DeForest, Lee Letters pertaining to, 1939-1947
Box 10, Folder 25	DeForest, Lee Poem about
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Box 10, Folder 27	De Forest, Lee Clippings and articles
Box 11, Folder 1	DeForest, Lee Miscellaneous printed material
Box 11, Folder 2	DeForest, Lee Articles about
Box 11, Folder 3	DeForest, Lee Autobiographical writings

- Box 11, Folder 4 DeForest, Lee
Writings, "Wireless Telegraphy as it is Today"
- Box 11, Folder 5 DeForest, Lee
Articles by, 1898-1903
- Box 11, Folder 6 DeForest, Lee
Miscellaneous writings
- Box 11, Folder 7 DeForest, Lee
Litigation documents
- Box 11, Folder 8 DeForest, Lee
Biographical writings
- Box 11, Folder 9 DeForest, Lee
DeForest Company documents
- Box 11, Folder 10 DeForest, Lee
Miscellany
- Box 11, Folder 11 Degroot, Henry
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- Box 11, Folder 12 Descalzi, Ray
Speech
- Box 11, Folder 13 Di Lorenzo, S. Natale
Letter, 1937
- Box 11, Folder 14 Dolbear, Amos
Letters to and pertaining to, 1900-1941
- Box 11, Folder 15 Dolbear, Amos
Writings: "On my Researches in Telephony"
- Box 11, Folder 16 Dolbear, Amos
Biographical writings and articles
- Box 11, Folder 17 Dolbear, Benjamin
Letters of and pertaining to, 1911-1947
- Box 11, Folder 18 Dreher, Carl
Letter, 1931-1948
- Box 11, Folder 19 Dubilier, William
Biographical writings, articles
- Box 11, Folder 20 Dubilier, William
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- Box 11, Folder 21 Dubilier, William
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- Box 11, Folder 22 Ducretet, E.
Book, Practical Guide to Long Distance Wireless Telephony, 1902; article

Box 11, Folder 23	Duffy, J.B. Letter, 1944; biographical writings; articles; scrapbook entries
Box 11, Folder 24	Dunlap, Orrin Biographical information; articles
Box 11, Folder 25	Dunlap, Orrin Review of his radio manual
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Box 11, Folder 27	Eaton, William A. Notes by Clark on, scrapbook entry on
Box 11, Folder 27	Eckersley, P.P. Article
Box 11, Folder 27	Eckersley, T.L. Article
Box 11, Folder 27	Edelman, Philip E. Articles
Box 11, Folder 27	Edes, N.H. Article
Box 11, Folder 27	Edgar, Herb Scrapbook entry on
Box 11, Folder 27	Edwards, E.P. Scrapbook entry on
Box 11, Folder 27	Edwards, Clifton V. Scrapbook entry on
Box 11, Folder 27	Ehret, C.D. Scrapbook entry on
Box 11, Folder 27	Eichwald Scrapbook entry on
Box 11, Folder 27	Ellefson, B.S. Award program
Box 11, Folder 27	Elliott, Ralph Scrapbook entry on

Box 11, Folder 27	Ellis Scrapbook entry on
Box 11, Folder 27	Ellsworth, J.D. Article
Box 11, Folder 27	Emmons, George E. Scrapbook entry on
Box 11, Folder 27	Entwhistle, S.W. Scrapbook entry on
Box 11, Folder 27	Erskine-Murray, James Scrapbook entry on
Box 11, Folder 27	Esterly, Marcus H. Scrapbook entry on
Box 11, Folder 27	Evans, Col. Scrapbook entry on
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Box 11, Folder 28	Eccles, William Henry Biographical writings, scrapbook entries
Box 11, Folder 29	Eddy, William Crawford Biographical article, 1941; scrapbook entry on
Box 11, Folder 30	Edison, Thomas Alva Letters relating to, 1929-1931; plans for ceremony honoring
Box 11, Folder 31	Edison, Thomas Alva Articles about, biographical writings
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| Box 37, Folder 4 | Correspondence, 1927-1929 |
| Box 37, Folder 5 | Correspondence, March, 1930 |
| Box 37, Folder 6 | Correspondence, April-July, 1930 |
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9-10 | Correspondence, 1930-1931 |
| Box 37, Folder
11 | Correspondence, undated |
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(oversize box),
Folder 1 | Scrapbook: "American DeForest Wireless Telegraph System"1905 |

Subseries 4.7: DeForest Company Products [Litigation], 1915-1922

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| Box 39, Folder 1 | Press Releases (including articles, TV program schedules, data regarding De Forest Short Wave receivers, statements; and announcements), 1925-1929 |
| Box 39, Folder 2 | Press Releases (including articles, TV program schedules, data regarding De Forest Short Wave receivers, statements; and announcements), 1930-1931 |
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4-5 | Press Releases (including articles, TV program schedules, data regarding De Forest Short Wave receivers, statements; and announcements), Undated, circa late 1920s-30s |
| Box 40, Folder 1 | News clippings and Correspondence, 1906; 1920s-1930s |
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2-4 | Press Releases, 1920s-1930s |
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| Box 41, Folder 2 | Correspondence, 9/25-4/1926 |

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Box 41, Folder 4	Correspondence, 9870
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Box 41, Folder 7	Correspondence, 10357
Box 41, Folder 8	Correspondence, 10502
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Box 42, Folder 4	Correspondence, 10684
Box 42, Folder 5	Correspondence, 10714
Box 42, Folder 6	Correspondence, 10745
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Box 42, Folder 9	Correspondence, 10837
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Box 43, Folder 2	Correspondence, 12/1929-1/1930
Box 43, Folder 3	Correspondence, 10960
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Box 43, Folder 5	Correspondence, 11022
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Box 44, Folder 3	Correspondence, 6/1/31-12/18/31

- Box 44, Folder 4 Correspondence, 9/1/31-12/18/31
- Box 44, Folder 5 Public Inquiries & Responses, 1925-1927
- Box 44, Folder 6 Public Inquiries & Responses, January-May, 1928
- Box 44, Folder 7 Public Inquiries & Responses, June 1-July 15, 1928
- Box 44, Folder 8 Public Inquiries & Responses, July 16-31, 1928
- Box 44, Folder 9 Public Inquiries & Responses, August, 1928
- Box 44, Folder 10 Public Inquiries & Responses, September, 1928
- Box 45, Folder 1 TV Inquiries, 9/26/1928-12/31/1928
- Box 45, Folder 2 TV Inquiries, 1/4/1929-2/27/1929
- Box 45, Folder 3 TV Inquiries, 2/27/1929-4/23/1929
- Box 45, Folder 4 TV Inquiries, May-June, 1929
- Box 45, Folder 5 TV Inquiries, July-September 13, 1929
- Box 46, Folder 1 TV Inquiries, 1928
- Box 46, Folder 2 TV Inquiries, 1929
- Box 46, Folder 3 Public Inquiries & Responses, 12/18/1929-12/31/1929
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- Box 47, Folder 1 TV Releases, January-August, 1930
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Subseries 4.9: Marconi Wireless Telegraph Company, 1908-1929

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- Box 48, Folder 2 Correspondence, 1912
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- Box 48, Folder 4 Correspondence, January-July, 1914
- Box 48, Folder 5 Correspondence, August-December, 1914
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Box 49, Folder 1	Correspondence, January-May, 1916
Box 49, Folder 2	Correspondence, June-September, 1916
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Box 50, Folder 4	Correspondence, September-October, 1919
Box 50, Folder 5	Correspondence, November, 1919
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Box 51, Folder 1	Correspondence, January-March, 1920
Box 51, Folder 2	Correspondence, April-May, 1920
Box 51, Folder 3	Correspondence, June, 1920
Box 51, Folder 4	Correspondence, July, 1920
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Box 51, Folder 6	Correspondence, September, 1920
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Box 55, Folder 7	Roy Weagant Correspondence, February-March, 1916
Box 56, Folder 1	M.W.T Co. Research Reports; Rectification by Vacuum Tubes Report RTR #10, 7197

- Box 56, Folder 2 M.W.T Co. Research Reports: Telephone Microphones Report #2, 6787
- Box 56, Folder 3 M.W.T Co. Research Reports: Paulsen Arch Generator Report RD#9, 7151
- Box 56, Folder 4 M.W.T Co. Research Reports: Vacuum Tubes Report #7, 7108
- Box 56, Folder 5 M.W.T Co. Research Reports: Bruce Recording System Information Bulletin #4, 7083
- Box 56, Folder 6 M.W.T Co. Research Department Information Bulletins: , 1919
- Box 56 #2 Flashlight Magneto, 3/18/1919
- Box 56 #3 Radio Frequency, 8/3/1919
- Box 56 #4 Oscillator, 11/16/1919
- Box 56 #5 Resistance Amplifiers, 1/16/1919
- Box 56, Folder 7 M.W.T Co. Research Department report RD6: Modulator Receiver, undated
- Box 56, Folder 8 M.W.T Co. Research Department Info Dept. #3: Marconi Vacuum Tube, 7077
- Box 56, Folder 9 M.W.T Co. Research Department Report RDR 12-17: Radio Receiving Apparatus, 6/25/1919, 1919
- Box 56, Folder 10 M.W.T Co. Forms, undated

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Consists of correspondence to and from Fessenden and other NESCO employees with GE, patent attorneys, the U. S. Navy and other correspondents. Also, contracts, laboratory reports and other company records.

- Box 57, Folder 1 Fessenden Correspondence, 1900-October, 1920
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- Box 75, Folder 10 Fessenden Correspondence, August, 1911-February, 1913
- Box 75, Folder 11 Fessenden Correspondence, March-April, 1913
- Box 75 Correspondence, 1911-1920 between the below listed individuals in the Pittsburg, Pa. and Brooklyn, N. Y. offices regarding the Arlington - Salem Test and the publication of an article about it. The test was made primarily to allow the contractor, NESCO, to demonstrate, under service conditions, the effectiveness of the apparatus it had supplied to the Navy Department. The correspondence also concerns the establishment and maintenance of the Arlington Station; patent litigation; abstract of cases in Fessenden - NESCO litigation; and business concerns of the International Radio Telegraph Company.
- Box 75 Clay, F. W. H., NESCO patent attorney Forbes, E. D., NESCO chief engineer Herr, E. M., President, Westinghouse Electric & Manufacturing Hogan, John V. L., NESCO Chief O. I. E Kintner, Samuel M., NESCO General Manager and Receiver Krogen, F. H. Lee, J.W. Walker, Hay, NESCO president Wallis, A. F. Woodworth, E.B., Navy Dept., Bureau of Steam Engineering, U. S. Naval Radio Station, Arlington, Virginia.
- Box 76, Folder 1 Miscellaneous, undated
- Box 76, Folder 2 Correspondence, 1904
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- Box 91, Folder 2 Unorganized Correspondence, 1906-1927 (Mostly personal correspondence of Pickard, Firth, Farnsworth, and Barkley), 1911-1912
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- Box 91, Folder 4 Unorganized Correspondence, 1906-1927 (Mostly personal correspondence of Pickard, Firth, Farnsworth, and Barkley), 1915-1918
- Box 91, Folder 5 Unorganized Correspondence, 1906-1927 (Mostly personal correspondence of Pickard, Firth, Farnsworth, and Barkley), 1921-1927
- Box 92 Patents: A collection of 101 patents owned by and licensed to the Wireless Specialty Apparatus Company by the U.S. Patent office in 1906-1925. An index of the patents listed by U.S. Patent numbers and by WSA Co. numbers is included., 1906-1925

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- Box 96, Folder 1 RCA License Division Laboratory Reports, 1940
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- Box 97, Folder 1 RCA Dealer Discounts & Price Lists, 1921-1930
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- Box 98, Folder 1 RCA Engineering Reports (bound), 1927-1929
- Box 99, Folder 1- Material on proposed merger of RCA and International Telephone and Telegraph Co.; Statements to Couzens Committee of U.S. Congress, (Bound), 1929
- Box 100, Folder 1 Marconi W. T. Co., circa 1903-1942
- Box 100, Folder 2 Misc. RCA, including Clark's "Chronology of RCA" circa 1912-1940
- Box 100, Folder 3 Misc. WSA Correspondence and notes, circa 1909-1941
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Box 104, Folder 1	Marconi W. T. Co. of America-RCA: annual reports, 1903-1926
Box 104, Folder 2	RCA annual reports, 1927-1946

Box 104, Folder 3	Correspondence: N.Y. Security Co.- DeForest, 8/25/1905 - 12/30/1905
Box 104, Folder 4	"DeForest to RCA:" Assignment of his patents, 1913-1933
Box 104, Folder 5	History of Radio and RCA (with chronology), circa 1930
Box 105, Folder 1	Wireless Specialty Apparatus Co.: , circa 1911-1925
Box 105	U.S./Foreign Patents
Box 105, Folder 2	Wireless Specialty Apparatus Co., circa 1912-1926
Box 105, Folder 3	RCA misc. promotional, correspondence, circa 1914-1940
Box 105, Folder 4	RCA misc. promotional, correspondence, circa 1916-1936
Box 106, Folder 1	RCA materials, 1920s-1940s
Box 106, Folder 2	RCA materials, 1920s-1940s
Box 106, Folder 3	RCA materials, 1920s-1940s
Box 107, Folder 1	RCA Materials, 1900s-1930s
Box 107, Folder 2	RCA Materials, 1910s-1930s
Box 107, Folder 3	RCA Victor Sales Promotional Literature, 1934-1935
Box 108, Folder 1	RCA Materials, 1910s-1940s
Box 108, Folder 2	RCA Materials, 1900s-1930s
Box 108, Folder 3	RCA Materials, 1910s-1930s
Box 108, Folder 4	RCA Materials, 1900s-1930s
Box 109, Folder 1	RCA Materials, 1900s-1930s

Box 109, Folder 2	RCA Materials, 1900s-1930s
Box 109, Folder 3	RCA Materials, 1920s-1940s
Box 109, Folder 4	RCA Materials, 1910s-1940s
Box 110, Folder 1	RCA Materials, 1910s-1930s
Box 110, Folder 2	RCA Materials, 1920s-1940s
Box 110, Folder 3	RCA Materials, 1900s-1940s
Box 110, Folder 4	RCA Materials, 1910s-1940s
Box 111, Folder 1	RCA - P. R. Patents, 1919-1930s
Box 111, Folder 2	RCA - U.S. Treasury (Revenue Cutter Service, WSA Co.), 1910-1911
Box 111, Folder 3	RCA - U.S. Treasury (Revenue Cutter Service, WSA Co.), 1912-1914
Box 111, Folder 4	RCA - Am. DeForest Co., 1905-1906
Box 111, Folder 5	RCA - WSA Co., 1918-1919
Box 111, Folder 6	RCA - IT&T, 1932
Box 112, Folder 1	RCA Materials, 1900s-1940s
Box 112, Folder 2	RCA Materials, 1900s-1940s
Box 112, Folder 3	RCA Patent Agreements, 1920s-1930s
Box 112, Folder 4	RCA Materials, 1920s-1930s
Box 113, Folder 1	RCA Materials, 1910s-1930s
Box 113, Folder 2	Stone Telephone & Telegraph Co., 10/11/1909 - 10/28/1910

Box 113, Folder 3	Stone Telephone & Telegraph Co., 11/2/1910 - 1/22/1917
Box 113, Folder 4	"Year By Year, Book of Wireless," compiled by D.M. McNicol, 1872-1925
Box 113, Folder 5	RCA Material, 1910s-1930s
Box 113, Folder 6	RCA - owned ships, 1921
Box 114, Folder 1	RCA - WSA Co., 1907-1929
Box 114, Folder 2	RCA - Stone Tel. & Tel., 1910-1916
Box 114, Folder 3	RCA Materials, 1900s-1940s
Box 115, Folder 1	RCA Materials, 1910s-1930s
Box 115, Folder 2	RCA Materials
Box 115, Folder 3	RCA - WSA Co., 1910s-1920s
Box 116, Folder 1	Catalog of Home Receivers (American), 1925-1929
Box 116, Folder 2	Patents & Patent Litigation: WSA Co. & Stone Tel. & Tel., 1906-1920
Box 116, Folder 3	RCA Materials, 1910s-1930s
Box 117, Folder 1	RCA Materials, 1900s-1940s
Box 117, Folder 2	RCA Materials, 1900s-1920s
Box 117, Folder 3	RCA Materials, 1900s-1940s
Box 118, Folder 1	RCA Materials, 1910s-1940s
Box 118, Folder 2	RCA Materials, 1900s-1950s
Box 118, Folder 3	RCA Materials, 1920s-1940s

Box 119, Folder 1	RCA Materials, 1900s-1940s
Box 120, Folder 1	Formation of RCA, 1899-1921
Box 120, Folder 2	Twenty-five Yeaars of TSF, 1910-1935
Box 120, Folder 3	RCA Statements before FCC, 1936
Box 120, Folder 4	History of Early Wireless Telegraphic Companies by Clark, 1903-1919
Box 120, Folder 5	Products of DeForest Radio Co., 1932
Box 121, Folder 1	"History of Specific (Radio) Companies" Scrapbook, pp. 1-171, bound 1939
Box 121, Folder 2	pp. 172-306
Box 122, Folder 1	pp. 307-440
Box 122, Folder 2	pp. 441-524
Box 123, Folder 1	pp. 525-634
Box 123, Folder 2	pp. 635-764
Box 124, Folder 1	pp. 765-890
Box 124, Folder 2	pp. 891-975
Box 125, Folder 1	"History of Wireless Stations," Scrapbook, 1906-1950
Box 125, Folder 2	Die Antenne (German), 1913
Box 125, Folder 3	Photographs of German equipment, n.d.
Box 125, Folder 4	British Broadcasting Co., incorporation 1922
Box 125, Folder 5	WSA Co., 1907-1924

Box 125, Folder 6 RCA; Patent Office Record, 1940

Box 125, Folder 7 RCA Brochure, 1944

Box 126, Folder 1 VTM Co. Letterpress book, 1895-1896

Subseries 4.13: Argentina Telegraph Company-International TransRadio, undated

Box 126A Scrapbook of photographs: Trans Radio Internacional-Compania Telegraphica Argentina, undated

Series 6: Shore Stations, 1900-1940

Series 6 contains biographies of individuals associated with shore stations, including Lieutenant A. Fabbri, U.S.N.R.F.; blueprints; Brant Rock Notes (2 volumes); correspondence; descriptions and photographs of early wireless stations; diaries; data; drawings; engineer's logs; histories; invoices; maps; news clippings; notes; photographs, including some of RCA Radio Pageant, 1929; postcards; public news reports; receipts; signal reports; specifications; telegram forms from commercial and government shore stations for trans oceanic communication and for communication between shore stations. The shore stations include Astoria, Colon, Ketchikan, and Tuckerton. A list of shore stations can be found in series 109.

This series does not include stations for marine or aircraft communications, either on shore or afloat, or broadcasting, television, and amateur stations. See Series L for index to photographs in Bound Volumes.

- Box 127, Folder 1 RCA & Tuckerton, 1913-1940
- Box 127, Folder 2 Otter Cliffs, 1912-1941
- Box 127, Folder 3 Marconi & RCA, 1900-1940
- Box 128, Folder 1 NESCO, Marconi, U.S. Navy, 1905-1924
- Box 128, Folder 2 Marconi, Tuckerton, 1907-1920
- Box 128, Folder 3 Astoria-Ketchikan, 1915-1916
- Box 128, Folder 4 U.S. Navy, 1908-1912
- Box 129, Folder 1 U.S. Navy, 1906-1914
- Box 129, Folder 2 Foreign Stations, 1904-1938
- Box 130, Folder 1 Sayville, Long Island, 1907-1918
- Box 130, Folder 2 Misc., 1911-1939
- Box 130, Folder 3 Signal Reliability, 1914-1922
- Box 131, Folder 1 Tuckerton, N.J., 1914-1917
- Box 131, Folder 2 Tuckerton, N.J. - Expenses, 1914-1917
- Box 132, Folder 1 Belmar, N.J., 1919-1920
- Box 132, Folder 2 Lakewood, N.J., 1920
- Box 132, Folder 3 Chatham, N.J.; Marshall Station, CA, 1920
- Box 132, Folder 4 Brant Rock Notes (2 Vols.), 1905-1906
- Box 133, Folder 1 Shore Stations Radioana Book 1, ca. 1900-1920
- Box 133, Folder 2 G.H. Clark Reports: letters re: Venezuela, 1921
- Box 134, Folder 1 Shore Stations Radioana Book 2, (photographs), 1900-1920
- Box 135, Folder 1 Shore Stations Radioana Book 3, 1900-1920

- Box 135, Folder 2 Shore Stations Radioana Book 4, 1900-1920
- Box 136, Folder 1 Shore Stations Radioana Book 5, 1900-1920
- Box 136, Folder 2 Description and Photos: Early W. T. Stations, 1913-1922

Series 7: Marine Stations, 1900s-1930s

Series 7 contains a catalog of "Marine Coastal stations of RCA and Typical Marine Equipment"; correspondence 1911-1924, 1931, 1935; diagrams; drawings; inventories; list of stations ashore by company, May, 1915; news clippings; news releases; photographs, including RCA Radio Pageant, 1929; radiograms; RCA Radio Telegraph Transmitter catalogs; and ships position reports of commercial and government marine radio stations both ashore and afloat. The offshore stations include the S.S. Arkansas, S.S. Atlanta, U.S.S. Connecticut, S.S. Leviathan, S.S. Mauratania, and U.S.S. Philadelphia.

This class does not include aircraft communication stations. A list of stations is in Series 109.

- Box 137, Folder 1 Marine Stations, 1900s-1920s
- Box 137, Folder 2 RCA Marine Equipment brochures, 1920s
- Box 137, Folder 3 Misc., 1910s-1930s

Series 8: Broadcasting Stations, 1910s-1940s

Series 8 contains articles; booklets; catalogs; correspondence; descriptions of stations and equipment; extracts; histories; newspaper and magazine clippings; notes; pamphlets; photographs; postcards; releases; RCA Radio Pageant, 1929; statistics; and summaries of data about specific broadcast stations, AM and FM, and about broadcasting studios. This series includes information about government and commercial stations, lists of which are in Series 109.

Box 138, Folder 1 Broadcasting Stations, 1910s-1930s

Box 138, Folder 2 Broadcasting Stations, 1920s-1940s

Box 139, Folder 1 Broadcasting Stations, 1910s-1940s

Box 139, Folder 2 Fan Mail, 1923

Series 9: Amateur Stations, 1910s-1940s

Series 9 contains articles from Radio News, Radio Condenser, and QST, a magazine devoted exclusively to the wireless amateur; a book, Practical Wireless Amateur Stations; news clippings; photographic illustrations of amateur stations and "set-ups"; and a radiogram to Clark, 1933. Lists of stations are in Series 109.

Box 139, Folder 3 Amateur Stations, 1910s-1940s

Series 10: Miscellaneous Information, 1911-1919

Miscellaneous materials which Clark did not place in other classifications (or Series) he included in this Series including advertisements: including one for an RCA Victor tie clasp; articles; building plans; panel from a Marconi cigar box; correspondence; essays on wireless; examination by Clark, 1939; "Postage Stamp Containing Direct or Indirect Reference to Radio Communication"; maps (Works Progress Administration Employment, October, 1936); news clippings; news releases; photographs; reports. The series also holds seven booklets, including the "Official Handbook of [the] Panama Canal", 1913, and a photographically illustrated booklet about the Panama Canal, compliments of the United Fruit Company and Steamship Service, with views of the Canal under construction and a map of the Canal Zone.

- Box 140, Folder 1-3 Misc. Info not otherwise classified by Clark
- Box 140, Folder 4 News clippings: auto engines, 1916
- Box 140, Folder 5 Collyer Brothers
- Box 140, Folder 6 Diesel Material, 1911-1913
- Box 140, Folder 7 Building Plans, 1916-1919

Series 11: Radio Antiques, 1892-1938

Series 11 includes *Wireless Age*, 1920 -1924, Volumes 8 & 11; Shuart, G. W., *Radio Amateur Course*, 1938; and Grainger, J., *Amateur Radio*, 1922.

- Box 141, Folder 1 *Wireless Age*, Vols. 8 & 11, 1920-1924
- Box 141, Folder 2 "Radio Amateur Course," by GW Shuart, 1938
- Box 141, Folder 3 "Amateur Radio," by J. Grainger, 1922
- Box 141, Folder 4 Radio periodical covers
- Box 141 Radio/wireless bibliography
- Box 141 AIEE Contents sheets (lists of meetings), 1905-1920
- Box 141 Mechanical Department, American Bell Telephone Co.: High Frequency Transmissions (typed by Clark), 1892

Series 13: Specifications of Radio Apparatus, 1910s-1930

Series 13 contains specifications of the United States Navy, Army, and commercial companies for all types of radio apparatus, including condenser racks; continuous wave radio transmitting equipment; loop radio receivers; Marconi vacuum tubes; Moorehead tubes; radio communication apparatus; D.C. and A.C. volt meters, D.C. and A.C. ammeters, Wattmeters, Ampere Hour meters, radio frequency ammeters; radio direction finders; switchboard instruments and appliances; transmitting condensers; and transmitting vacuum tubes. Also included are drawings, index sheets of series of blueprints, and memoranda regarding specifications.

- Box 142, Folder 1 Specifications, 1910s-1930s
- Box 142, Folder 2 Specifications: U. S. Navy, 1917
- Box 142, Folder 3 Specifications: U. S. Navy, 1916-1918
- Box 143, Folder 1 Specifications: U. S. Navy, 1916-1926
- Box 143, Folder 2 Specifications: U. S. Navy, 1928
- Box 143, Folder 3 Specifications: GE, 1921-1922
- Box 143 Specifications: GE, 1922-1923
- Box 144, Folder 1 Specifications: U. S. Navy, 1908-1918
- Box 144, Folder 2 Specifications: U. S. Navy, 1916-1930
- Box 144, Folder 3 Specifications: Marconi WTC (transformer), 1918-1919

Series 14: General History, 1899-1950s

Series 14 contains material on the history of the radio in general, consisting of abstracts of manuscripts, reports, and printed works; addresses; articles; autobiographies; booklets; correspondence; clippings from journals; diagrams; histories; lectures; memoranda; notes; pamphlets; photographs; releases; reports; reviews; sketches for notes; statements; talks; and portions of yearbooks.

- Box 145, Folder 1 Autobiography of Cyril F. Elwell, 1943
- Box 145, Folder 2 Miscellaneous, circa 1899-1950s
- Box 145, Folder 3 Miscellaneous, 1903-1947
- Box 145, Folder 4 Miscellaneous, 1900s-1930s
- Box 146, Folder 1 Miscellaneous, 1930s-1940s
- Box 146, Folder 2 Miscellaneous, 1899-1947
- Box 146, Folder 3 Miscellaneous, 1909-1939
- Box 147, Folder 1 Miscellaneous, 1902-1945
- Box 147, Folder 2 Miscellaneous, 1899-1944
- Box 147, Folder 3 Miscellaneous, 1917-1938
- Box 147, Folder 4 Miscellaneous, 1905-1937
- Box 148, Folder 1&2 John Firth Scrapbook, 1905-1910
- Box 148, Folder 3 Notes on Operations of British Radio Communications, 1918

Series 15: Radio Companies Catalogues & Bound Advertisements, 1873-1941

Series 15 contains catalogues and other advertisements from many companies for a variety of related products e.g. batteries, tubes, and ear phones. Advertisements for broadcast receivers are in Series 45.

- Box 149, Folder 1 Index of Radio Co. Catalogs
- Box 149, Folder 2 Unclassified Catalogs, 1873-1929
- Box 149, Folder 3 Radio Co. Catalogs, 1900-1932
- Box 149, Folder 4 Radio Co. Catalogs, 1914-1932
- Box 149, Folder 5 Radio Co. Catalogs, 1918-1939
- Box 150, Folder 1 Radio Co. Catalogs, 1900-1929
- Box 150, Folder 2 Western Electric Catalogs (bound), 1929-1941

Series 16: Log Books, 1902-1923

Series 16, contains log books compiled by early wireless workers between 1907 and 1919. Also included is an unused bound amateur log book. The authors of the books are not identified in most cases. The logs record various tests and experiments with radio equipment.

Box 151, Folder 1	Radio Logbooks, 1905-1914
Box 151, Folder 2	Radio Logbooks, 1907-1918
Box 151, Folder 3	Clark Rough Log (bound) Book #1, 1902-1904
Box 152, Folder 1	Book #2, 1904-1905
Box 152, Folder 2	Book #3, 1905-1906
Box 153, Folder 1	Book #4, 1906-1907
Box 153, Folder 2	Book #5, 1907-1909
Box 154, Folder 1	Book #6, 1909-1910
Box 154, Folder 2	Book #7, 1910-1911
Box 155, Folder 1	Book #8, 1911-1912
Box 155, Folder 2	Book #9, 1911-1913
Box 156, Folder 1	Book #10, 1914
Box 156, Folder 2	Book #11, 1914-1915
Box 157, Folder 1	Book #12, 1915-1916
Box 157, Folder 2	Book #13, 1916-1917
Box 158, Folder 1	Book #14, 1917-1918
Box 158, Folder 2	Book #15, 1918
Box 159, Folder 1	Book #16, 1918
Box 159, Folder 2	Book #16A, 1918-1919
Box 160, Folder 1	Book#17, 1919
Box 160, Folder 2	Book #18, 1920
Box 161, Folder 1	Book #19, 1920-1923
Box 161, Folder 2	Book #20, 1921

Series 17: Radio Companies' House Organs, 1896-1942

Series 17 contains some correspondence, 1935-37 and 1941, to and from Clark and other executives regarding company house organs; a report on the possible issue of an RCA house organ; and copies of various house organs, including the following:

Allerton House Magazine, 1929
Amrad (The Voice of the Air), 1922-1923
De Forest Ourselves, 1929
Federal Flashes, 1920
General Electric News, 1939
Over the Soldering Iron, 1934
(RCA) Photophonews, 1932, 1931
RCA Key-Clicks, 1938
Sales and Service, 1938 (RCA Photophone Ltd.)
Telegraph and Telephone Age, 1936
The Aerovox (research Worker), 1928
The Andion (DeForest), 1929
The Grid (DeForest Radio Co.), 1929
The Marconi Review, 1936
The RMA News, 1928, 1929
The Radiotron News (RCA), 1929, 1930
The Voice of the Victor, 1930, 1911
Wireless News, 1903

This class does not include yearbooks or proceedings of radio societies. See Series 145.

Box 162, Folder 1 Correspondence, 1935-1937
Box 162, Folder 2 House Organs, 1896-1942
Box 162, Folder 3 House Organs, 1903-1938
Box 162, Folder 4 House Organs, 1920-1942
Box 162, Folder 5 "The Audion"1929

Series 18: Prime Movers, 1904-1911

Series 18 consists of photographs of Prime Movers and instructions for the care and preparation of motor boat gas engines. Included are several photographs of Curtis Turbine sets; photographs of alternating current generators for wireless telegraphy; internal combustion and steam engines and air driven generators; specifications for Hornsby Akroyd oil engine, 1904; blueprints of several engine diagrams; directions for engine operations; and descriptions of wireless telegraphy powered by steam turbines.

Box 162, Folder 6 Prime Movers, 1904-1911

Series 19: Batteries, 1898-1934

Series 19 contains data and photographs regarding both storage and dry type batteries; notes; memoranda; correspondence; magazine and newspaper clippings; bulletins of RCA Institutes, Inc., School of Communication; blueprints and drawings; abstracts from Naval Radio Monthly Report; Bulletins of the Edison Storage Battery Co.; instructions for changing and operating batteries; and notes on acceptance, inspection, installation, charging and discharging, maintenance, and trouble with batteries.

Box 163, Folder 1 Batteries, 1908-1933

Box 163, Folder 2 Batteries, 1898-1934

Series 20: Rectifiers, 1875-1935

Series 20 contains newspaper and magazine clippings, articles, correspondence, pamphlets and booklets, about rectifiers; several copies of "Descriptive Specifications for Rectox Rectifiers," instructions for installation and operation; and Department of Commerce and Labor, Bureau of Standards, publication titled "Some Contact Rectifiers of Electric Currents."

The series includes Mercury type, Mechanical Thermionic-electric, and Dry, contact type, but does not include tubes for electronic types.

Box 163, Folder 3 Rectifiers, 1875-1935

Box 163 Annales des Poste, 1921

Series 21: Motor Generators, 1898-1936

Series 21 contains information on motor generators and hand generators, including newspaper clippings on gasoline generators; diagrams and graphs; standard descriptive data and tests for motor-generator sets; correspondence; reports and directions on use of lead covered conductors; specifications of high tension direct current generator sets; specifications of steam turbines and alternators; and photographs.

Box 164, Folder 1 Motor Generators, 1898-1933

Box 164, Folder 2 Motor Generators, 1908-1936

Series 22: Nameplates of Apparatus, 1928

Series 22 consists of nameplates of apparatus assigned by RCA; badges of radio companies; badges of radio inspectors, and radio aides; pins, rings, and other insignia of radio societies and radio companies; included are drawings, diagrams, nameplate instructions, correspondence and memoranda of RCA officials, 1928 regarding nameplates on apparatus manufactured by RCA, diagrams of nameplates, and an explanation of RCA model designations.

Box 164, Folder 3 Nameplates, 1928

Series 23: Switchboards and Switchboard Instruments, 1910-1935

Series 23 contains advertisements; articles; correspondence, 1911-1933, including a letter to Philo Farnsworth with a file history on Andrew Plecher's patent no. 187,664; diagrams; minutes; photographs of radio switchboards and instruments; reports, including a printed report by G.E. on field rheostats, 1914; and specifications for: Panel and frame; Switches; Voltmeters and other meters; Frequency meters (power frequency); relays (except relay keys); Solenoid switches (as part of the panel); Field rheostats (as part of the panel); Motor generator transfer switch (when not an integral part of the motor starter); Transformer transfer switch; and fuses, clips, and terminals.

Box 165, Folder 1 Switchboards, 1910-1935

Series 24: Radio Frequency Switches, 1905-1933

Series 24 contains information about radio frequency switches; Fessenden send-receive switch "walking beam" type; American Marconi antenna transfer switch; and Stone Telephone and Telegraph Co. antenna send-receive switch. Also included are records and drawings of antenna transfer switches produced by the De Forest Co., the Wireless Specialty Apparatus Co., and the Liberty Electric Corporation. There is also correspondence to and from George H. Clark regarding this technology.

Box 165, Folder 2 RF Switches, 1905-1933

Series 25: Transmitter Transformers, 1893-1936

Series 25 contains abstracts; advertisements; articles; clippings; correspondence (1910); descriptions of transformers; diagrams; photographs; reports; sketches; and specifications for transmitter transformers, particularly for spark transmitters. This material covers high and low tension reactances and built-in transformer choke coils (when external these are listed as "protective devices").

Box 165, Folder 3 Transformers, 1893-1921

Box 165, Folder 4 Transformers, 1911-1936

Series 26: Operating Keys, 1843-1949

Series 26 consists of photographs; blueprints; reports; general data; drawings; descriptions; main sending key; relay keys, such as the Massie relay key; combined hand and relay key; relay control key; resistances, reactances, aluminum cells, etc. to reduce sparking at key contacts; and sample of tape perforated by Kleinschmidt perforator for use with the high speed automatic transmitter.

Box 166, Folder 1 Operating Keys, 1843-1949

Box 166, Folder 2 Operating Keys, 1907-1948

Series 27: Power Type Interrupters, 1902-1938

Series 27 contains advertisements; articles; correspondence, 1909 and 1941; descriptions; and illustrations concerning power type interrupters, particularly Chopper (for arc transmitters) Mechanical, Mercury Turbine, and Wehnelt.

Box 166, Folder 3 Interrupters, 1902-1938

Series 28: Protective Devices, 1910-1925

Series 28 contains advertisements; articles; blueprints; booklets; correspondence, 1915-1917; diagrams; and reports, such as the "History of Protective Devices," 1919.

Box 167, Folder 1 Protective Devices, 1910-1925

Series 30: Message Blanks, 1908-1938

This series contains message blanks for radio communication including aerograms; Marconigrams; Photo Radio Receiving blanks; postal cards; radiograms; and wireless press sheets. The following companies or agencies are represented: American De Forest Wireless Telegraph Company; Amalgamated Wireless (Australasia) Ltd.; Companhia Radio Telegraphica Brasileira; Continental Wireless Telephone and Telegraph; Chinese Government Radio Administration; Fessenden Wireless Service, NESCO; French Radio Co; Globe Wireless Ltd; Great Northern Telegraph Co. (Hong Kong); Holland Radio; Imperial Japanese Telegraph; Israelite House of David Wireless Station (Michigan); Japanese Sending Blank; Makay Radio; Marconi Wireless Telegraph Company of America; Massie Wireless Telegraph; Occidental & Oriental Wireless Company; Pacific Wireless Telegraph Company; RCA; Servigo Radio Telegraphico; Societe Anonyme Internationale De Telegraphie Sans Fil (Bruxelles); Stone Telephone & Telegraph Co., 1921; Tropical Radio Telegraph Company; United Wireless Telegraph Company; United Fruit Company; U.S. Naval Radio Service, 1915; and U.S. Signal Corps.

Box 167, Folder 2 Message Blanks, 1908-1938

Series 31: Transmitter Condensers, 1849-1943

Series 31 documents the history and manufacture of the transmitter condenser, including the extensive patent litigation which shaped its development. Included are blueprints; correspondence, 1910-1922; depositions; drawings; index of patents and publications; lists of patents and cross references to patents; outline of chronological history of transmitter condensers; patents (copies); photographs; reports; telegrams; tests; trial testimony and transcriptions. See Series L for index to photographs in Bound Volumes.

- Box 167, Folder 3 Transmitter Condensers, 1901-1917
- Box 168, Folder 1 Transmitter Condensers, 1912-1918
- Box 168, Folder 2 Condenser Patents, Licenses, 1893-1929
- Box 168, Folder 3 Condenser Patents, 1874-1915
- Box 169, Folder 1 Condenser Patents (Dubilier), 1911-1930
- Box 169, Folder 2 Roll and Paper Condensers
- Box 170, Folder 1 Condenser Stack (re: Dubilier), 1856-1909
- Box 170, Folder 2 Variable Condensers with solid dielectric, 1889-1929
- Box 170, Folder 3 WSA Co. vs. Mica Condenser Co. Ltd.; Testimony, 1920
- Box 171, Folder 1 Cross-references: U.S. Patents, British, 1849-1921
- Box 171, Folder 2 Cross-references: U.S. Patents, British, 1909-1928
- Box 171, Folder 3-4 Dubilier vs. WSA Co. re: Mica Transmitting Condensers, 1920
- Box 172, Folder 1-3 Dubilier vs. WSA Co. re: Mica Transmitting Condensers, 1920
- Box 172, Folder 4 Transmitter Condenser data, U.S. Navy, 1882-1918
- Box 173, Folder 1 Transmitter Condenser data, U.S. Navy, 1912-1920
- Box 173, Folder 2 Transmitter Condenser data, U.S. Navy, 1915-1919
- Box 173, Folder 3 Dubilier vs. WSA Co. Depositions, 1912-1920
- Box 173, Folder 4 Dubilier vs. WSA Co. Depositions, 1919-1920
- Box 174, Folder 1 Correspondence, 1911-1920
- Box 174, Folder 2 Data (U.S. Signal Corps), 1912-1920
- Box 174, Folder 3 Data (U.S. Navy), 1913-1917
- Box 174, Folder 4 Dubilier vs. WSA Co., 1914-1920
- Box 175, Folder 1 Dubilier vs. WSA Co. (testimony), 1920

Box 175, Folder 2 Correspondence: Leeds Northrop, Co., 1914-1920

Box 175, Folder 3 Notes on Manufacture, 1906-1928

Box 176, Folder 1 Technical Notes, 1898-1926

Box 176, Folder 2 Priess vs. Dubilier (testimony), 1930

Box 176, Folder 3 Technical Notes, 1911-1925

Box 176, Folder 4 U.S. Navy, 1908-1929

Box 177, Folder 1 WSA Co. Correspondence, 1906-1928

Box 177, Folder 2 WSA Co. Drawings, 1917

Box 177, Folder 3 WSA Co. - U.S. Navy, 1906-1925

Box 177, Folder 4 Notes on Manufacture, 1913-1942

Box 178, Folder 1 Dubilier Patents, 1916-1920

Box 178, Folder 2 Brochures, Correspondence, 1910-1942

Box 178, Folder 3 Patents, 1871-1922

Box 178, Folder 4 Patents, 1874-1908

Box 179, Folder 1 Patents, 1909-1919

Box 179, Folder 2 Patents, 1919-1924

Box 179, Folder 3 Patents, 1922-1930

Box 180, Folder 1 Patents, 1924-1925

Box 180, Folder 2 Patents, 1925-1926

Box 180, Folder 3 Patents, 1926

Box 181, Folder 1 Patents, 1927

Box 181, Folder 2 Patents, 1928

Box 182, Folder 1 Patents, 1929

Box 182, Folder 2 Patents (from Philip Farnsworth estate), 1871-1909

Box 182, Folder 3 Patents (from Philip Farnsworth estate), 1910-1921

Box 183, Folder 1 Patents (from Philip Farnsworth estate), 1922-1926

Box 183, Folder 2 Patents (from Philip Farnsworth estate), 1927-1929

Box 183, Folder 3 Technical Correspondence: Farmouth, Kessler, & Cram, 1918-1920

Box 184, Folder 1 Transmitter Condensers, Book 1 and Book 2, undated

Series 32: Spark Gaps, 1899-1943

Series 32 contains material on various spark gaps, among which are rotary type, synchronous and non-synchronous; fixed gap, non-quenching; quenched gaps; gaskets; anchor gaps in antenna circuit; synchronous rotary spark gaps; compressed air gaps, etc. Included are diagrams; photographs; descriptions; explanatory notes; data; magazine and newspaper clippings; pamphlets; abstracts of contracts and payments; testimony; reports; correspondence; and court proceedings related to spark gaps.

- | | |
|--------------------------|--|
| Box 185, Folder
1-2 | Spark Gaps, 1899-1943 |
| Box 185, Folder 3 | Spark Gaps, 1905-1913 |
| Box 185, Folder 4 | Correspondence: Orville Wright - R. A. Fessenden, 1908 |
| Box 185, Folder 5 | Spark Gaps - O.C. Roos Notebook, 1910 |
| Box MC 3/16,
Folder 1 | Spark Gap Transmitters & Crystal Receivers, undated |
| Box MC 3/16,
Folder 2 | miscellaneous blueprints, undated |

Series 33: Transmitter Inductances, 1907-1922

Series 33 contains information relating to oscillation transformers; couplers; variometers; and primary and secondary coils of transmitters. Included are magazine and newspaper clippings; notes; correspondence; graphs; diagrams; drawings; illustrations; brief histories; descriptions; abstracts of testimony; and abstracts of court claims regarding transmitter inductances.

Box 186, Folder 1 Transmitter Inductances, 1907-1922

Series 34: Transmitter Wave Changers, 1907-1924

Series 34 contains information regarding wave changers in the U.S. Navy; instruction for installation and operation of Navy-type wave changer systems; notes on transmitters regarding Lodge patent; and descriptions, drawings, photographs, and diagrams regarding waves of the first submarine set for the U.S. Navy, of Priess-Bath magnetic control wave changers, and of wave changers used with 1 K.W. type "C" transmitters. Also included are testimonies, contracts, requisition, correspondence, memoranda, and abstracts of orders.

Box 186, Folder 2 Transmitter Wave Changers, 1907-1924

Box 187, Folder 1 Wave Changers: Book 1, undated

Box 187 Wave Changers: Book 2, undated

Series 37: Arc Transmitters, 1907-1940

Series 37 contains information regarding arc transmitters, including illustrations and photographs of machines and of wireless telephone operators; brief descriptions; histories; notes; articles; diagrams; newspaper and magazine clippings; correspondence; memoranda; reports; data regarding Federal arc sales to U.S. Government, on arc contracts, etc; specifications; contracts and requisitions for arc transmitters; and resume of data on arc contracts. See Series L for index to photographs in Bound Volumes.

- Box 188, Folder 1 Technical Descriptions, circa 1907-1940
- Box 188, Folder 2 Federal Telegraph Co., Blueprints, 1917
- Box 188, Folder 3 U.S. Navy, 1911-1918
- Box 189, Folder 1 Technical Articles and Notes, 1907-1939
- Box 189, Folder 2 Federal Telegraph Co., Sales to U.S. Government, 1914-1919
- Box 189, Folder 3 Technical Notes, 1911-1925
- Box 190, Folder 1 Book 1, Collection of G.H. Clark, undated

Series 38: Vacuum Tube Type of Radio Transmitter, 1914-1947

Series 38 consists of literature, data, and photos pertaining to different types and models of vacuum-tube type radio transmitters. It includes lists of vacuum-tube transmitters made by different companies; price lists; notes on the first use of tube transmitters by RCA and on arrangement of oscillation in Mercury Vapor Tubes. Instructions for the operation of various models of radio telephone sets and telephone transmitters; memoranda; correspondence; descriptive specifications; photos of machines and of people operating machines; diagrams; reports; newspaper and magazine clippings; data regarding radio transmitters; articles; drawings; general descriptions; extracts of contracts and payments for vacuum-tube transmitters; specifications; and copies of bulletins, pamphlets, and booklets. See Series L for index to photographs in Bound Volumes.

- Box 190, Folder 2 Book 1, Collection of G.H. Clark, undated
- Box 191, Folder 1 Technical Data, 1915-1935
- Box 191, Folder 2 (U.S. Navy), 1916-1924
- Box 191, Folder 3 (U.S. Navy), 1916-1936
- Box 191, Folder 4 (Brochures), 1914-1947
- Box 192, Folder 1 (Brochures), 1916-1933
- Box 192, Folder 2 (Brochures), 1919-1931
- Box 192, Folder 3 (Technical Manuals), 1914-1929
- Box 192, Folder 4 (Technical Manuals), 1917-1926

Series 39: Radio Transmitter, Radio Frequently Alternator Type, 1894-1940

Series 39 consists of advertisements; correspondence (Fessenden, 1900-09; NESCO, 1909-17; Clark, 1937-40); data files on Alexanderson's Alternator and Goldschmidt's relection-type radio-frequency alternator; descriptive specification for Standard Signal generator type TMVI8; schematic diagrams; and photographs. See Series L for index to photographs in Bound Volumes.

- Box 193, Folder 1 Photos, German Equipment, 1911-1940
- Box 193, Folder 2 Fessenden Correspondence, 1894-1918
- Box 193, Folder 3 Correspondence: Fessenden, GE, Steinmetz, 1900-1902
- Box 193, Folder 4 Correspondence: Fessenden, GE, Steinmetz, 1904-1905
- Box 193, Folder 5 Correspondence: Fessenden, GE, Steinmetz, 1906
- Box 193, Folder 6 Correspondence: Fessenden, GE, Steinmetz, 1907
- Box 193, Folder 7 Correspondence: Fessenden, GE, Steinmetz, 1908-1909
- Box 194, Folder 1 Radio Frequency Alternator Book 1, Collection of G.H. Clark, undated

Series 41: Vacuum Tubes, Transmitting Types, 1905-1948

Series 41 contains advertisements; booklets; correspondence, 1919-1940; schematic diagrams; engineer's reports and tests; grids; magazine articles; newspaper clippings; photographs; price lists; sales bulletins; sales catalogues; specification reports; technical data reports; technical information sheets; and tube test reports of transmitting type vacuum tubes. RCA and the De Forest Company are represented.

Box 195, Folder 1 Vacuum Tubes, 1905-1944

Box 195, Folder 2 Vacuum Tubes, 1913-1946

Box 195, Folder 3 Vacuum Tubes, 1916-1936

Box 195, Folder 4 Vacuum Tubes, 1917-1948

Box 196, Folder 1 (DeForest), 1926-1932

Series 43: Receiving Systems, 1904-1934

Series 43 consists of advertisements; correspondence, 1914, 1916, and 1920; charts; graphs, diagrams; news clippings; notes, handwritten and typed; periodical clippings; photographs; schematic blueprints; and schematic wiring diagrams of a complete receiving system. Also included are materials on a transoceanic receiving system; centralized radio installation; auditorium systems; receiver with separate heterodyne driver; and hotel distribution systems. It does not include materials on static reducing systems.

Box 196, Folder 2 Receiving Systems, 1904-1927

Box 197, Folder 1 Receiving Systems, 1907-1934

Series 45: Broadcast Receivers, 1907-1948

Series 45 includes RCA Radiola radio receivers catalogues; technical discussion booklets; technical information and service data sheets; instruction manuals; and service notes filed by model number. RCA and associated manufacturers' battery-type Radiola advertisements, booklets, catalogue material, news clippings, illustrations, photographs, and price lists. There are also replacement parts catalogues filed by name of Radiola. Other catalogues include those of General Electric, Graybar, and Westinghouse. There are also miscellaneous articles; booklets; brochures; catalogues; correspondence; installation and operating instructions booklets; newspaper and periodical clippings and articles; illustrations; instruction books; news releases; photographs; sales literature; and specifications of broadcast receivers of various companies.

Box 197, Folder 2	RCA Radiola, 1925-1929
Box 197, Folder 3	RCA Victor, 1926-1942
Box 198, Folder 1	RCA Radiola, 1927-1929
Box 198, Folder 2-3	RCA Radiola, 1928-1930
Box 198, Folder 4	RCA Victor, 1928-1940
Box 199, Folder 1	RCA Victor, 1926-1942
Box 199, Folder 2	RCA Battery Type, 1922-1930
Box 200, Folder 1	RCA Parts Catalogues, 1924-1942
Box 200, Folder 2	Westinghouse/Graybar, circa 1930
Box 200, Folder 3	Brochures, Correspondence, 1922-1940
Box 201, Folder 1	Press Clippings, 1922-1938
Box 201, Folder 2	Press Clippings, 1922-1947
Box 201, Folder 3	RCA, 1925-1937
Box 202, Folder 1	Brochures, News clippings, 1922-1933
Box 202, Folder 2	Brochures, News clippings, 1922-1940
Box 202, Folder 3	Brochures, News clippings, 1922-1947
Box 203, Folder 1	Brochures, News clippings, 1922-1947
Box 203, Folder 2	Brochures, News clippings, 1923-1947
Box 204, Folder 1	RCA Victor Sales Releases, 1931-1948
Box 204, Folder 2	RCA Service Bulletins, 1928-1930
Box 204, Folder 3	Early Broadcast Receivers, 1907-1922
Box 205, Folder 1	Early Broadcast Receivers, 1911-1940

- Box 205, Folder 2 Early Broadcast Receivers, 1912-1940
- Box 205, Folder 3 Telefunken Receivers purchased by U.S. Navy, 1915-1939
- Box 205, Folder 4 Broadcast Receivers, DeForest, 1921-1940
- Box 206, Folder 1 Broadcast Receivers, Book 13, 1930
- Box 206, Folder 2 Broadcast Receivers, Book 14, 1930

Series 46: Code Receivers, 1901-1948

Box 207, Folder 1	RCA, DeForest Receivers, 1910-1938
Box 207, Folder 2	RCA, DeForest Receivers, 1911-1928
Box 207, Folder 3	RCA, DeForest Receivers, 1914-1938
Box 208, Folder 1	Code Receivers, 1901-1939
Box 208, Folder 2	Code Receivers, 1902-1939
Box 208, Folder 3	Code Receivers, 1904-1918
Box 208, Folder 4	Code Receivers, 1904-1923
Box 209, Folder 1	Code Receivers, 1905-1948
Box 209, Folder 2	Code Receivers, 1907-1919
Box 209, Folder 3	Code Receivers, 1907-1925
Box 210, Folder 1	Code Receivers, 1910-1946
Box 210, Folder 2	Code Receivers, 1911-1941
Box 210, Folder 3	Code Receivers, 1917-1919
Box 211	Books #1 & #2, undated
Box 212	Books #3 & #4, undated
Box 213	Books #5 & #6, undated
Box 214	Books #7 & #8, undated
Box 215, Folder 1	Receivers for code reception, 1910-1928
Box 215, Folder 2	Shortwave Receivers: U.S. Navy, 1917
Box 215, Folder 3	Receivers with AC Supply (in French), 1922-1927

Series 47: Receiving Inductances, 1898-1944

Series 47 contains articles; blueprints; bulletins; charts; correspondence; diagrams; graphs; illustrations; news clippings; periodical clippings; photographs; Radio Data Book, 1907; sales literature; sketch books; and technical bulletins of low tension inductances for receivers and in test work. It includes air core inductances for receivers (standard inductances in laboratory work); air core inductances for wave meters; couplers and goniometers.

Box 215, Folder 4 Inductances, 1898-1940

Box 216, Folder 1 Inductances, 1899-1928

Box 216, Folder 2 Inductances, 1913-1944

Series 48: Receiving Condensers, 1871-1946

Series 48 contains literature about receiving condensers, including variable and fixed types, detectors, and test appliances; standard condensers for laboratory use; protective device condensers; and key condensers. Included are mostly patents and variable patents, but also there are indexes, diagrams and drawings. This series also consists of patents on sub-class 2 and including specification of Letter Patents on foiled paper and methods of producing same; on condensers; on electrical ignition devices; on press-plates; on press-mold; on condenser terminals and methods of framing same; on protective units, on high-frequency electrical oscillation apparatus. In addition, there are bulletins; magazine clippings; booklets; correspondence; drawings; diagrams; graphs; reports; extracts from U.S. Navy monthly reports; pamphlets; articles; memoranda; test; and experiments.

- Box 217, Folder 1 Patents, 1871-1925
- Box 217, Folder 2 Patents, 1877-1925
- Box 217, Folder 3 Patents, 1926
- Box 218, Folder 1 Patents, 1926-1927
- Box 218, Folder 2 Patents, 1927-1928
- Box 218, Folder 3 Patents, 1929
- Box 219, Folder 1 Miscellaneous, 1892-1933
- Box 219, Folder 2 Miscellaneous, 1911-1946

Series 49: Audio Signal Devices, 1876-1947

Series 49 contains advertisements; articles; a bid invoice; blueprints; booklets; bulletins, specifications; correspondence, 1905-1920 & 1942; diagrams; instruction booklets; illustrations; news clippings; notes; patent copies; periodical clippings; photographs; service notes; a General Electric Radio Apparatus Catalog for audio-signal-indicating devices; C. Brandes, Inc. Radio advertising. Audio signal devices include: head telephones; telephone cords; telephone headband; telephone transformer; audibility meter; shunt box; group tuners where used in receiver circuit, and telephone condensers. (Box #221 is oversize).

Box 219, Folder 3 Audio Signal Devices, 1876-1942

Box 219, Folder 4 Audio Signal Devices, 1882-1935

Box 220, Folder 1 Audio Signal Devices, 1885-1929

Box 220, Folder 2 Audio Signal Devices, 1901-1947

Box O/S 221,
Folder 1 Brandes Headset advertising material: posters, brochures (oversize), undated

Series 50: Detectors, 1878-1944

Series 50 consists of material relating to detectors, especially where constructed as self-contained units. Included are coherers, tone wheels, tickers, magnetic detectors, vacuum tube detectors with control, complete; cat-whisker detectors; crystal detectors; electrolytic detectors; group tuners for use in the audio circuit, tone testers, detector-tester, "ticker" for testing detectors, etc. The materials contains patents, testimonies for G. W. Pickard in Pickard vs. Austin, and general data on detectors including histories; designs, specific and general; methods of manufacture, uses; tests; drawings; photographs; specifications; contracts; patents; litigation records; testimonies; inventors; names and addresses of companies manufacturing detectors; reports; articles; newspaper and magazine clippings; correspondence; notes; blueprints; charts; court proceeding; pamphlets; booklets; experiments; portions of journals; and petitions. This series does not include amplifiers, or individual vacuum tubes. See Series L for index to photographs in Bound Volumes.

- Box 222, Folder 1 U.S. Patent Office: Testimony in Pickard v. Austin, 1911
- Box 222, Folder 2 U.S. Patents for Pickard, 1908-1918
- Box 222, Folder 3 Patents: U.S. and Foreign, 1878-1908
- Box 223, Folder 1 Patents: U.S., 1887-1910
- Box 223, Folder 2 Patents: U.S., 1910-1924
- Box 223, Folder 3 Patents: Foreign, 1897-1908
- Box 223, Folder 4 Patents: Correspondence, 1910-1926
- Box 223, Folder 5 Technical descriptions, Publications, 1900-1942
- Box 224, Folder 1 Patents: Testimony & Correspondence, 1900-1944
- Box 224, Folder 2 Correspondence, Drawings, 1901-1926
- Box 224, Folder 3 Correspondence, 1903-1924
- Box 225, Folder 1 Correspondence, 1906-1925
- Box 225, Folder 2 Correspondence, 1908-1925
- Box 226, Folder 1 Patents, Correspondence, 1902-1924
- Box 226, Folder 2 WSPA Company, 1907-1924
- Box 227, Folder 1 Detectors, Book 1, undated
- Box 227, Folder 2 Book 2, undated

Series 51: Amplifiers, 1903-1949

Series 51 consists of material about amplifiers, wave changers and tuners, particularly the enhancement of reception and ease of operations of such equipment, with military and civil applications. Included are instruction manuals; bulletins; operations reports; test results; blueprints; diagrams; original sketches; graphs; photographs; and copies of papers presented. There is also an informal corporate history by Dr. De Forest; and an incomplete transcript of an appeal from Exchequer Court of Canada (Foda-Radio Ltd., defendant) and the Canadian General Electric Company. See Series L for index to photographs in Bound Volumes.

- Box 229, Folder 1 Amplifiers, 1903-1949
- Box 229, Folder 2 Amplifiers, 1907-1948
- Box 229, Folder 3 Amplifiers, 1910-1937
- Box 230, Folder 1 Amplifiers, 1911-1935
- Box 230, Folder 2 Litigation (Supreme Court of Canada), 1914
- Box 230, Folder 3 Litigation, 1918-1922
- Box 231, Folder 1 Amplifiers [Litigation: Hazeltine vs. Wildermuth], Book 1, undated

Series 52: Receiving Vacuum Tubes, 1905-1949

Series 52 consists of studies on vacuum tubes, including detector type tubes; amplifier type tubes; rectifying type tubes for receiver; grid leaks; filter system for tube circuit; sockets for tubes; adapters. It contains patents on vacuum tubes; and photographs of receiving tubes; histories; notes; list of books on vacuum tubes; types of vacuum tubes; general specifications; diagrams; drawings; sketches; extracts from newspaper articles; extracts from the U.S. Navy monthly reports; memoranda; characteristic charts; special announcements; descriptive summaries of major equipment; and reports. Also enclosed are a good number of photographs; copies of bulletins and magazines; telegraphic messages; price lists; reprints from journals and books; catalogues; data sheets; technical bulletins; correspondence; affidavits; pamphlets; charts; testimonies; and directions. See Series L for index to photographs in Bound Volumes.

- Box 231, Folder 2 Vacuum Tubes, 1905-1920
- Box 231, Folder 3 Vacuum Tubes: Patents, 1905-1924
- Box 232, Folder 1 Vacuum Tubes: Patents, 1910-1923
- Box 232, Folder 2 Vacuum Tubes: Patents, 1917-1925
- Box 232, Folder 3 Vacuum Tubes as Detectors and Amplifiers, 1915-1930
- Box 232, Folder 4 Publications and Clippings, 1906-1946
- Box 233, Folder 1 Publications and Clippings, 1915-1945
- Box 233, Folder 2 Publications and Clippings, 1916-1942
- Box 233, Folder 3 DeForest Material, 1923-1944
- Box 234, Folder 1 RCA and Other Material, 1917-1947
- Box 234, Folder 2 RCA and Other Material, 1921-1946
- Box 235, Folder 1 DeForest and Others, 1884-1948
- Box 235, Folder 2 DeForest, 1917-1932
- Box 236, Folder 1 DeForest, RCA, 1906-1945
- Box 236, Folder 2 DeForest, RCA, 1908-1949
- Box 237, Folder 1 DeForest, RCA, 1914-1948
- Box 237, Folder 2 Receiving Vacuum Tubes: Book 1, undated
- Box 238, Folder 1 Book 2, undated
- Box 238, Folder 2 Book 3, undated
- Box O/S 238A Receiving Vacuum Tubes: Scrapbook (oversize), undated
- Box 239, Folder 1 Book 11, RCA, undated
- Box 239, Folder 2 Notes on Photoelectric Telegraphing, 1923-1924

Box 239, Folder 3 Grogan Notes, undated

Series 53: Television Receivers, 1928-1948

Series 53 contains information on the history of television receivers, including: descriptions; notes; articles; a large number of illustrations of television sets. c. 1948; drawings; diagrams; instructions; photographs of television and engineers; advertisements; news clippings; construction manuals; price lists; instructions; bulletins; pamphlets; and a directory of television receiver manufacturers, 1948.

Box 240, Folder 1 TV Receivers, 1928-1948

Series 54: Photo-Radio Apparatus, 1910-1947

Series 54 contains material on photo-radio apparatus including: photographs of people and apparatus; photographs of facsimile receivers; engineers with radio facsimile receiver-printers; operators preparing to send messages; RCA Facsimile Scanners; Jenkins Radio Weather-Map Transmitters; Jenkins Radio Weather-Map Receivers; and several photographs of Jenkins Photoradio apparatus. Also photographs of Jenkins moving picture devices; transmitting facsimile apparatus of the De Forest Company, 1932; radio transmitters made for Radio News Corporation by De Forest Radio Corporation; RCA bulletins on Radio Facsimile system; a booklet on French Facsimile System; list of Experimental Facsimile Broadcasters; a forty-four page book on Synchronized Reproduction of Sound and Scene, 1928; some random tests with a photo-radio transmitter and receiver; a number of newspaper and magazine clippings containing articles and illustrations; affidavits transmitted by photoradio; and some notes on facsimile transmission by the RCA Facsimile Service. See Series L for index to photographs in Bound Volumes. See also series 133.

Box 240, Folder 2 Photo-radio Apparatus, 1910-1947

Series 59: Radio Schools, 1902-1945

Series 59 contains radio school and college catalogues; bulletins; prospectus; yearbooks; annual reports; correspondence; minutes of meetings; brief histories; and data regarding government examinations for radio operator and amateur licenses. Radio schools include: the Capitol Radio Engineering Institute, Washington, D.C.; Massachusetts Radio School, Boston; Southern Wireless Institute, Baltimore; RCA Institute, Inc., New York; Radio Institute of America, New York; Philadelphia Wireless School; National Radio Institute, Washington, D.C.

Box 241, Folder 1 Radio Schools, 1902-1945

Series 60: Loudspeakers, 1896-1946

Series 60 contains material on loudspeakers including: short histories; instructions for use, installation and maintenance; articles; notes; reports; drawings; photographs and illustrations of loudspeakers and loudspeaker assembly plants; postcards; portions of magazines; booklets; catalogues; advertisements; service notes; and replacement parts list.

Box 241, Folder 2 Loudspeakers, 1896-1937

Box 242, Folder 1 Loudspeakers, 1922-1946

Series 61: Insulators, 1844-1943

Series 61 consists of data on insulators and insulating materials. Brief histories; magazines; bulletins; catalogues; pamphlets; abstracts from the Navy Semi-monthly Reports; reports; photographs; correspondence; a list of important patents covering the materials and methods of manufacture of insulating materials; copies of patents; diagrams; and two books: *The Insulator Book* by the Locke Insulator Manufacturing Company, New York, 1919; and *The Story of Bakelite* by John Kimberly Mumford, New York, 1924.

- Box 242, Folder 2 Insulators, 1904-1943
- Box 242, Folder 3 Insulators, 1906-1926
- Box 243, Folder 1 Publications on Insulators, 1914-1924
- Box 243, Folder 2 Insulator patents, 1844-1922

Series 62: Wires, 1906-1945

Series 62 consists of material on wires including: conductors, conduits and connectors. It includes Litzendraht; special-shaped wire, as square cross-section; and standard resistance units for D.C., A.C., and R.F., but does not include wire used in detectors, as cat-whisker. The series also contains wire samples; specimens of standard colors for receiving leads; clippings; articles; price lists; diagrams; engineering data; correspondence; and booklets.

Box 243, Folder 3 Wires, 1906-1945

Series 63: Microphones, 1911-1947

Series 63 documents various types of microphones and TV accessories; the uses of the microphone by military authorities, political leaders, company executives, and broadcasters; and microphone housings in various countries. It includes brief histories; articles; notes; illustrations; photographs; drawings; correspondence; newspaper and magazine clippings; and bulletins.

Box 243, Folder 4 Microphones, 1911-1947

Series 64: Biography, 1925-1948

Series 64 consists of biographies of broadcasting, television and phonograph artists. It includes notes; newspaper and magazine clippings; interviews; illustrations; pamphlets; correspondence; a cookbook of radio personalities; portions of yearbooks; portions of the Readers Digest; bulletins; a copy of the 1930 edition of Who is Who in Radio . See also Series 4.

- Box 244, Folder 1 NBC Press Releases, 1935-1940
- Box 244, Folder 2 Radio Stars, 1935-1938
- Box 244, Folder 3 Radio Stars and Stations, 1934
- Box 244, Folder 4 Biographies, undated
- Box 244, Folder 5 Interviews by G.H. Clark, 1939-1945
- Box 244, Folder 6 Magazine Clippings, 1925-1948
- Box 244, Folder 7 Who's Who in Radio, 1930
- Box 244, Folder 8 Newspaper clippings, 1936-1948
- Box 244, Folder 9 Miscellaneous, 1931-1942

Series 66: Antennas, 1877-1949

Series 66 includes data and photographs on antennas; towers and masts; ground systems; multiple antenna systems; counterpoises; measurements of antenna constants; and measurements of ground resistance. There is a good bibliography on coil aerials and other directional aerials; lists of publications relating to loop antennas; copies of loop patents; portions of bulletins, books, magazines and newspapers; blueprints; pamphlets; reprints from journals; reports; testimonies; photographs; papers; memoranda; instructions; service notes; results of experiments; notes; specifications; diagrams; and correspondence. This series does not include wire for antennas or insulators. See Series L for index to photographs in Bound Volumes.

- Box 244, Folder 10 Antennas, 1877-1921
- Box 245, Folder 1 Patents, 1886-1921
- Box 245, Folder 2 Patents, 1922-1928
- Box 245, Folder 3 Patents, 1929
- Box 245, Folder 4 Patents: U.S. & Foreign, 1844-1917
- Box 246, Folder 1 Miscellaneous, 1895-1942
- Box 246, Folder 2 Miscellaneous, 1901-1942
- Box 246, Folder 3 Miscellaneous, 1904-1917
- Box 246, Folder 4 Miscellaneous, 1906-1943
- Box 247, Folder 1 Installations on Warships, 1906-1922
- Box 247, Folder 2 Technical Papers, 1909-1917
- Box 247, Folder 3 U.S. Navy, 1903-1929
- Box 247, Folder 4 U.S. Navy, 1906-1920
- Box 248, Folder 1 Miscellaneous, 1903-1949
- Box 248, Folder 2 Miscellaneous, 1904-1945
- Box 248, Folder 3 Miscellaneous, 1905-1949
- Box 249, Folder 1 Miscellaneous, 1907-1948
- Box 249, Folder 2 Technical Papers, 1831-1949
- Box 249, Folder 3 Technical Papers, 1903-1949
- Box 250, Folder 1 Technical Papers, 1904-1923
- Box 250, Folder 2 Technical Papers, 1917-1949
- Box 251, Folder 1 Antennas, Book 1, undated
- Box 251, Folder 2 Antennas, Book 2, undated

Series 67: Telautomatics, 1912-1944

Series 67 contains advertisements; articles; a cartoon; clippings; correspondence, 1904, 1910, 1930, 1932; diagrams; illustrations; press releases; and a sales catalogue concerning the radio control of battleships and of torpedoes from aircraft. Of particular note is the Hammond Receiver.

Box 252, Folder 1 Telautomatics, 1912-1944

Series 69: Direction Finding Equipment, Radio Compasses, 1885-1948

Series 69 contains abstracts; articles; blueprints; booklets; correspondence, 1916-1928; descriptions; diagrams; illustrations; instruction sheets; maps; newsclippings; operating instructions; photographs; reports; sales catalogues; sketches; studies; elementary and technical notes; and wiring diagrams of direction finding equipment. Among the types covered are the pilot cable; radio compass; radio range; Loran; Shoran; Dellini Tosi system; and transmitting types of direction finders, such as Becon. See Series L for index to photographs in Bound Volumes.

- Box 252, Folder 2 Direction Finding Equipment, 1885-1946
- Box 252, Folder 3 Direction Finding Equipment, 1906-1946
- Box 252, Folder 4 Direction Finding Equipment, 1907-1948
- Box 253, Folder 1 Direction Finding Equipment, 1910-1922
- Box 253, Folder 2 Direction Finding Equipment, 1919-1930
- Box 254, Folder 1 Direction Finding Equipment, 1919-1945
- Box 254, Folder 2 Radio Compass, Book 1, undated
- Box 255, Folder 1 Radio Compass, Book 2, undated
- Box 255, Folder 2 Radio Compass, Book 2, undated

Series 71: Aircraft Transmitters, 1908-1947

Series 71 contains abstracts; articles; blueprints; aircraft circuit diagrams; booklets; specification catalogues and manuals; company memoranda; correspondence, 1917; histories; illustrations; newsclippings; periodical clippings; photographs; reports; sketches; technical drawings; technical information and service data for aircraft radio transmitting equipment. Includes combined transmitters and receivers.

Box 256, Folder 1 Aircraft Transmitters, 1908-1931

Box 256, Folder 2 Aircraft Transmitters, 1910-1947

Box 256, Folder 3 Aircraft Transmitters, 1914-1946

Series 72: Field or Portable Transmitters, 1901-1941

Series 72 contains Navy and Army pack sets; combined transmitters and receivers; car sets, etc. It consists of brief histories of portable field sets; descriptions of portable sets; notes; diagrams; drawings; testimonies; notes on experiments; specifications; correspondence, 1911-1916; abstracts of contracts and payments for portable radio sets; The series also contains bulletins; pamphlets; booklets; newspaper and magazine clippings; photographs; data on U.S. Army Signal Corps Battalion-Regiment Set boxes; abstracts from U.S. Navy Monthly Radio Reports; and abstracts from instruction books. See Series L for index to photographs in Bound Volumes.

- Box 257, Folder 1, 2 U.S. Army Signal Corps Blueprints, 1918-1919
- Box 257, Folder 3 Drawings/Photographic prints, 1901-1941
- Box 258, Folder 1 Drawings/Photographic prints, 1904-1931
- Box 258, Folder 2 Drawings/Photographic prints, 1909-1919
- Box 258, Folder 3 Drawings/Photographic prints, 1917-1939
- Box 259, Folder 1 Portable Sets, Book 1, undated
- Box 259, Folder 2 Portable Sets, Book 2, undated
- Box 260, Folder 1 Portable Sets , Book 3, undated

Series 73: Mobile Radio Systems, 1884-1946

Series 73 contains advertisements for radios and accessories; articles; booklets; correspondence, 1914-1944; news clippings; periodical clippings; photographs; and sales literature concerning mobile radio systems (transmitters and receivers), for automobiles, trucks, trains, and airplanes. This material details connections via dispatcher and AT&T exchanges. This material does not include information on military packs or portable sets, walkie talkie mobile television and broadcasting sets.

Box 260, Folder 2 Translations of Technical Articles, 1884-1900

Box 260, Folder 3 Press Clippings, 1903-1946

Series 74: Radio Frequency Measuring Instruments, 1903-1946

Series 74 contains information about high-frequency, indicating and measuring instruments. It includes data and photos on hot-wire and hot-band ammeters (radiation meters); wave meters and decimeters; thermal couples; stroboscopes; and oscillographs. News clippings from books, newspapers, and magazines; descriptions; instructions; notes; Special Radio Reports; illustrations of apparatus; bulletins and portions of bulletins; pamphlets; catalogues; lectures; patents; blueprints; diagrams; graphs; and drawings. Transmitter adjustments and methods of tuning by wave meter are covered by Series 117, Technical Tables.

Box 261, Folder 1 Radio Frequency Measuring Instruments, 1901-1932

Box 261, Folder 2 Radio Frequency Measuring Instruments, 1903-1918

Box 262, Folder 1 Radio Frequency Measuring Instruments, 1903-1919

Box 262, Folder 2 Radio Frequency Measuring Instruments, 1903-1946

Series 75: Laboratory Testing Methods and Systems, 1891-1945

Series 75 contains advertisements; articles; blueprints of apparatus; booklets; charts; coordination paper; correspondence, 1911-1935; Experiment Reports; graphs; instruction books; news clippings; operating instructions; parts lists; periodical clippings; photographs; reports; sales literature; scientific papers of the Bureau of Standards; service notes; standards; technical information booklets; and tuner tests for all individual apparatus not listed under separate classifications.

Box 263, Folder 1 Laboratory Test Systems, 1891-1945

Box 263, Folder 2 Laboratory Test Systems, 1905-1944

Box 263, Folder 3 Laboratory Test Systems, 1911-1934

Series 76: Aircraft Receivers, 1917-1941

Series 76 contains advertisements; bulletins; data; illustrations; instructions; instruction books; news clippings; periodical clippings; service notes; sketches; technical information booklets; and training manuals of aircraft receivers not part of a combined transmitter and receiver for aircraft use. Also includes special detectors for airplane use; special amplifiers for airplane use; shock proof housing or holders for detector, amplifier, and receiver.

Box 264, Folder 1 Aircraft Receivers, 1917-1941

Series 77: Field Portable Receivers, 1906-1922

Series 77 contains blueprints; correspondence, 1909-1922; graphs; instructions; news clippings; photographs; schematic diagrams; sketches; specifications; and tests of military type field portable receivers which are not a specific part of a combined transmitter and receiver.

Box 264, Folder 2 Field Portable Receivers, 1906-1922

Series 78: Spark Transmitter Assembly, 1909-1940

Series 78 contains abstracts of contracts; blueprints; correspondence, 1909-1921; diagrams; drawings; illustrations; instructions; instruction books; operating and installation instructions; parts lists; periodical clippings; photographs; reports; specifications; technical information booklets; and tests for spark transmitters. Individual parts of a spark transmitter are bolted to a separate housing or frame to form a complete unit which also may include sets.

- Box 264, Folder 3 Blueprints, 1913-1918
- Box 265, Folder 1 Blueprints, 1913-1919
- Box 265, Folder 2 Blueprints, 1916-1918
- Box 266, Folder 1 Blueprints (Panel Type), 1916-1921
- Box 266, Folder 2 Blueprints (Panel Type), 1910-1940
- Box 267, Folder 1 Blueprints (Panel Type), 1909-1926

Series 79: Spark Transmitter System, 1900-1945

Series 79 contains information relevant to complete spark transmitter systems, consisting of transmitter assembly as described in Series 78, plus other associated parts, e.g. receiver, motor generator, send-receive switch, etc. This series refers to the hardware, not the installed system only. When installed, it falls under Series 6-9. The series includes: abstracts; articles; bid summaries; blueprints; contracts; correspondence, 1911-1923; instructions and descriptions; diagrams; drawings; illustrations; news releases; notes; periodical clippings; photographs; sketches; and testimonies.

Box 267, Folder 2 Spark Transmitter System: Blueprints, 1902-1945

Box 268, Folder 1 Spark Transmitter System, 1900-1921

Box 268, Folder 2 Spark Transmitter System, 1910-1924

Series 82: Firsts in Radio, undated

Series 82 consists of Clark's own typed notes; correspondence, 1935-1949; news clippings; news releases (RCA's "firsts"); periodical clippings; and photographs of "Firsts" in radio: what, when, where and how. Cross-indexed in the appropriate file for the event, person, or apparatus being considered.

Box 268, Folder 3 First in Radio, undated

Series 85: Distance Records and Tests, 1898-1940

Series 85 contains advertisements; articles; correspondence, 1906--1926; drawings; graphs; illustrations; maps; messages from ships to shore; newsclippings; news release; periodical clippings; photographs; reports; and tests, measurements, and experiments of receiving stations or receivers, especially in terms of distance covered. See Series L for index to photographs in Bound Volumes.

Box 269, Folder 1 Book 2, undated

Box 269, Folder 2 Distance Records and Tests, 1898-1940

Box 269, Folder 3 Distance Records and Tests, 1902-1930

Series 87: Photographs of Radio Executives, and Technical Types, 1857-1952

Series 87 contains photographs and news clippings of groups and individual radio people, such as executives, inventors and operators. For example, David Sarnoff (Box 378=0001-0320). See also Series M for list of photographs of Sarnoff arranged by document number. It does not include photographs of broadcast, television, and phonograph artists and stars. These are filed in Series 143. See Series K for index to many photographic prints in this Series.

- Box 270, Folder 1 Photos of Radio Men (Bound), 1905-1935
- Box 270, Folder 2 Photos of Radio Men (Bound), 1907-1952
- Box 270, Folder 3 Pictorial History of David Sarnoff, 1910-1936
- Box 270, Folder 4 Pictorial History of David Sarnoff, 1936-1944
- Box 271, Folder 1 Images of Eminent Radio Personages, and other Broadcast Artists, 1894-1942
- Box 271, Folder 2 Images of Eminent Radio Personages, and other Broadcast Artists, 1896-1939
- Box 271, Folder 3 Images of Eminent Radio Personages, and other Broadcast Artists, 1903-1940
- Box 272, Folder 1 Images of Eminent Radio Personages, and other Broadcast Artists, 1904-1944
- Box 272, Folder 2 Images of Eminent Radio Personages, and other Broadcast Artists, 1904-1945
- Box 272, Folder 3 Images of Eminent Radio Personages, and other Broadcast Artists, 1904-1947
- Box 273, Folder 1 Images of Eminent Radio Personages, and other Broadcast Artists, 1905-1945
- Box 273, Folder 2 Images of Eminent Radio Personages, and other Broadcast Artists, 1907-1943
- Box 273, Folder 3 Images of Eminent Radio Personages, and other Broadcast Artists, 1907-1948

Series 90: Radio Terms, 1857-1939

Series 90 contains literature regarding radio terms, alphabetically listed, with definitions. Included are abstracts; articles; correspondence; data regarding wireless terminology; glossary of terms published in the yearbooks of 1913 - 1915; list of radio terms and classification numbers; news clippings; notes; reports of committees on standardization, the Institute of Radio Engineers, for 1913, 1915, 1922, 1926, 1927, and 1928; standardization rules; and technical information booklets.

- Box 274, Folder 1 Publications of Institute of Radio Engineers, 1913-1942
- Box 274, Folder 2 Radio Terms: miscellaneous definitions, 1857-1939
- Box 274, Folder 3 Radio Terms: miscellaneous definitions, 1899-1946
- Box 274, Folder 4 Radio Terms: miscellaneous definitions, 1900-1948
- Box 275, Folder 1 Radio Terms: miscellaneous definitions, undated
- Box 275, Folder 2 Radio Terms: Sources, 1912-1927
- Box 275, Folder 3 Radio Terms: handwritten notes, undated
- Box 276, Folder 1 Radio Terms: handwritten notebooks (10), undated
- Box 276, Folder 2 Radio Terms: alphabetical list of terms, and definitions, undated

Series 92: Static Patents and Static Reducing Systems, 1891-1946

Series 92 contains material that describes apparatus, systems, methods and measurements of static-reducing devices. There is data as to form of static, including "term interference", interference due to lightning, and interference due to other natural causes. Included are abstracts of letters; abstracts from USN semi-monthly Radio Reports, August, 1919-October 1920; articles; blueprints; booklets; brief histories; claims; several copies of communication from the International Union of Scientific Radio Telegraphy; correspondence; data regarding Rogers and his underground antenna; descriptions; diagrams; experiments reports; extracts from Yearbook of W.T. & T., 1916, from New York Herald, 1899, and from Radio Report, 1919; graphs; illustrations; litigations; manuscripts; memoranda; minutes; news clippings notes; pamphlets; parts catalogue; patents; a few photographs; reports; reprints from journals; and tests. Box 385 deals specifically with static patents, and box 386 treats static reducing systems with a focus on Weagent's work.

- Box 276, Folder 3 Static Neutralizer Patents, 1891-1922
- Box 276, Folder 4 Work of Roy A. Weagent, 1915-1918
- Box 277, Folder 1 Work of Roy A. Weagent, 1919
- Box 277, Folder 2 Work of Roy A. Weagent, 1919-1924
- Box 277, Folder 3 Static Reduction, 1905-1946
- Box 277, Folder 4 Static Reduction, 1906-1943
- Box 278, Folder 1 Static Reduction, 1913-1941
- Box 278, Folder 2 Static Reduction, 1921-1944

Series 93: Low Frequency Indicating Instruments, 1904-1946

Series 93 concerns methods of recording radio signals on paper, wax cylinders, and other media. Advertisements, blueprints, bulletins, charts, correspondence, data on radio signals and on recorder tapes, drawings, instructions, and instruction books, journals, clippings, reports, sales bulletins, service notes and test results. Includes ink and other recorders and listener and audience recorders.

Box 278, Folder 3 Low frequency indicating instruments, 1904-1946

Series 95: Articles on Radio Subjects, 1891-1945

Series 95 contains speeches by David Sarnoff (Box 390); transcripts of broadcasts by Orestes H. Cladwell and Gordon Nugent, 1941 (Box 391); and speeches and writings of other radio experts.

- Box 279, Folder 1 Speeches by David Sarnoff, 1924-1936
- Box 279, Folder 2 Speeches by David Sarnoff, 1936-1940
- Box 279, Folder 3 Broadcasts of O.H Caldwell & Gordon Nugent, 1941
- Box 280, Folder 1 Broadcasts of O.H Caldwell & Gordon Nugent, 1941
- Box 280, Folder 2 Writings on radio/TV, 1891-1943
- Box 280, Folder 3 Writings on radio/TV, 1903-1933
- Box 281, Folder 1 Writings on radio/TV, 1913-1945
- Box 281, Folder 2 Writings on radio/TV, 1922-1940
- Box 281, Folder 3 Writings on radio/TV, 1922-1943
- Box 282, Folder 1 Writings on radio/TV, 1930-1940
- Box 282, Folder 2 Translations of foreign articles by G.H. Clark, 1894-1902
- Box 282, Folder 3 Book 1 Scientific Papers, 1900-1911
- Box 283, Folder 1 2, 1900-1930
- Box 283, Folder 2 3, 1902-1914
- Box 284, Folder 1 4, 1904-1916
- Box 285, Folder 1 5, 1907-1939
- Box 285, Folder 2 6, 1899-1923
- Box 286, Folder 1 7, 1906-1911
- Box 286, Folder 2 8, 1908-1912
- Box 287, Folder 1 12, 1898-1912

Series 96: Radio in Education, 1922-1939

Series 96 contains abstracts of speeches; articles; booklets; brochures; correspondence, 1922-1943; illustrations; news clippings; news releases; periodical clippings; and photographs regarding radio as a factor in education.

Box 287, Folder 2 Radio in Education, 1922-1939

Series 98: Special Forms of Broadcasting, 1921-1943

Series 98 contains information on special forms of broadcasting e.g. church broadcasting; broadcasts for political purposes; for advertising; and for sales promotion, but does not include school broadcasts. Included are news clippings; notes; periodical clippings; photographs; a booklet; and some correspondence.

Box 288, Folder 1 Special Forms of Broadcasting, 1921-1943

Series 99: History of Lifesaving at Sea by Radio, 1902-1949

Series 99 contains abstracts; articles; booklets; correspondence, 1914-1919; 1930-1943; descriptions; illustrations; news clippings; news releases; periodical clippings; and photographs.

Box 288, Folder 2 History of lifesaving at sea by radio, 1902-1947

Box 288, Folder 3 History of lifesaving at sea by radio, 1910-1938

Box 289, Folder 1 History of lifesaving at sea by radio, 1913-1949

Series 100: History of Naval Radio, 1888-1948

Series 100 consists of material pertaining to the history of radio work in the U.S. Navy. It contains history and general description of systems, apparatus, and usages. There are specific descriptions under appropriate series, as Series 46 for code receivers, Series 6 for shore stations, Series 7 for ship installations, Series 72 for portable sets, Series 66 for antennas and masts, etc.

The material in Series 100 consists of copies of affidavits; abstracts of instructions from Monthly Radio Reports; agreements; articles; blueprints; booklets; catalogues; charts; contracts; correspondence; data regarding transmitting condensers, Interdepartmental Radio Board, USNM - U.S. Army radio receiving system; descriptions; diagrams; directions; graphs; histories including G.H. Clark's "The Development of Radio in the U.S. Navy" (493 pages) "Radio in War and Peace" (Box 408D); instructions; job order; portions of journals; record of litigation; memoranda; messages; news clippings; notes; pamphlets; papers presented; patent copies; photographs of stations, men apparatus, and equipment; proceedings in the US. Senate; releases; reports; requisitions; specifications; statements and testimony; and US. Civil Service Examinations for Radio Aid 1919, for Radio Instructor 1920, and for Expert Radio Aid 1914 and 1919.

See Series L for index to photographs in Bound Volumes.

Box 288, Folder 2	Radio in War and Peace by George H. Clark, pp.1-200, 1940
Box 288, Folder 3-4	pp. 201-372
Box 289A, Folder 1	Correspondence, 1914
Box 289A, Folder 2	SRM Book 100 (partial) #318-329, undated
Box 289A, Folder 3	Book 4 #300A-380, undated
Box 290, Folder 1	Chronology of Naval radio development, 1888-1928
Box 290, Folder 2	Correspondence, notes, revisions, 1903-1940
Box 290, Folder 3	Correspondence, notes, revisions, 1903-1943
Box 291, Folder 1	Correspondence, notes, revisions, 1904-1943
Box 291, Folder 2	Correspondence, notes, revisions, 1908-1944
Box 291, Folder 3	Army radio stations; Navy Boston Yard, 1914-1919
Box 292, Folder 1	Correspondence, Navy Documents, Contracts, 1903-1943
Box 292, Folder 2	Correspondence, Navy Documents, Contracts, 1903-1946
Box 292, Folder 3	Correspondence, Navy Documents, Contracts, 1905-1923
Box 293, Folder 1	Navy Contracts, 1903-1920
Box 293, Folder 2	Senate Hearings, Reports, 1908-1948

Box 293, Folder 3 Technical Descriptions, Reports, 1902-1936

Box 294, Folder 1 Navy Contracts, Reports, 1902-1944

Box 294, Folder 2 Navy Contracts, Reports, 1905-1932

Box 294, Folder 3 Navy Contracts, Reports, 1907-1946

Box 294, Folder 4 Testimony before Senate Committee, 1919

Box 295, Folder 1 Navy reports, correspondence, 1910-1945

Box 295, Folder 2 U.S. Navy Book 1, undated

Box 295, Folder 3 U.S. Navy Book 2, undated

Box 296, Folder 1 U.S. Navy Book 3, undated

Box 296, Folder 2 U.S. Navy Book 5, undated

Box 297, Folder 1 Expenditures (record), 1924-1925

Box 297, Folder 2 Radio in War and Peace by G.H. Clark, undated

Box 297, Folder 3 Radio in War and Peace by G.H. Clark (duplicate), undated

Box 297, Folder 4 FTC Report on radio industry, 1923

Series 101: Military Radio, 1898-1946

Series 101 contains advertisements, blueprints, bulletins, charts, correspondence, drawings, instructions, journals, records of litigation, maps, news clippings, news releases, notes, operating instructions, pamphlets, patent copies, periodicals and periodical service notes, scientific papers, specifications, and test reports on the early use of wireless telegraphy and telephony covering the period from the Boer War (1899) to 1945. Information concerns the military use of wireless equipment. Included are compilations under headings: History of Army Radio; Radio in War; Lectures before Sarbonne, Paris 1919; bulletins, procurement files and history of the Signal Corps; and the history of early wireless use.

- Box 298, Folder 1 French technical articles (translated), 1918
- Box 298, Folder 2 Radio Engineering course, Sorbonne, Paris (lectures), 1919
- Box 298, Folder 3 Radio in U.S. Army, 1898-1944
- Box 298, Folder 4 Marconi Co. correspondence, 1915-1916
- Box 299, Folder 1 Correspondence, news clippings (including Russo-Japanese War), 1904-1946
- Box 299, Folder 2 Army Technical Manuals, 1921-1936

Series 102: Transmitting and Receiving Systems, 1902-1935

Series 102 contains abstracts; articles; blueprints; booklets; charts; circuit layouts; correspondence, 1904-1920; descriptions; diagrams; drawings; history of apparatus for radio telegraphy; illustrations; maps; operating instructions; periodical clippings; photographs; schedules of supplies; and specifications for transmitting and receiving systems. Also covered is comparisons of spark arc, and vacuum tube transmitters. The comparative prices and distances covered for some power input is examined. The chronological history of sequence from spark to U.T. sets is documented.

Box 299, Folder 3 Technical Drawings, blueprints, 1902-1934

Box 299, Folder 4 Technical Drawings, blueprints, 1903-1935

Series 103: Receiving Methods, 1905-1935

Series 103 contains advertisements; correspondence, 1910-1916; descriptions; diagrams; drawings; graphs; information bulletins; instructions; news clippings; news releases; notes; pamphlets; periodical clippings; specifications; and technical information booklets.

Box 300, Folder 1 Technical Articles, 1905-1935

Series 108: Codes and Ciphers, 1894-1947

Series 108 contains the files of Major Donald D. Millikan, code and cipher expert, and is comprised of examples from the Cryptology School both he and the Army ran including: announcements; questions and answers to exercises; class lists by student; correspondence, 1915-1937; data sheets; home work; memoranda; problems in cryptanalysis; and tests. Also there is a typed "book" titled Cryptography and Crystanalysis by Milikan. Also included are articles; cartoons; code tapes; codes; news clippings; periodical clippings; and photographs pertaining to this subject.

- Box 300, Folder 2 Cryptography, 1894-1947
- Box 300, Folder 3 Cryptography, 1932-1937
- Box 301, Folder 1 Cryptography, 1935-1937
- Box 301, Folder 2 Cryptography & Cryptanalysis, 1907-1938
- Box 301, Folder 3 Cryptography & Cryptanalysis, 1937-1938

Series 109: Schedules of Broadcasting and TV Stations, 1905-1940

Series 109 contains abstracts of yearbooks; addresses of U.S. and foreign broadcasting stations; advertisements; booklets; call letters of all U.S. stations, amateur stations and many in foreign countries; charts; diagrams; directories; lists of all stations in U.S.; maps; news clippings; periodical clippings; and program schedules.

Box 302, Folder 1 RCA Station WJZ (N.Y. city) managed by NBC, 1927

Box 302, Folder 2 RCA Station WJZ (N.Y. city) managed by NBC, 1928

Box 302, Folder 3 Radio Stations (lists), 1905-1936

Box 303, Folder 1 Radio Stations (lists), 1916-1937

Box 303, Folder 2 Radio Program Notes, 1919-1948

Box 304, Folder 1 NBC Weekly Program Notes, 1927-1928

Box 304, Folder 2 NBC Weekly Program Schedules, 1928
2-3

Box 305, Folder 1 NBC Weekly Program Schedules, 1928

Box 305, Folder 2 NBC Weekly Program Schedules, 1928-1929

Box 306, Folder 1 Radio Stations (lists), Book 2, 1934

Box 306, Folder 2 Book 3, 1926-1929

Box 306, Folder 3 Book 4, 1925-1933

Box 306, Folder 4 Book 5, 1913-1927

Box 306, Folder 5 Book 6, 1936

Series 112: Radio Shows and Displays, 1922-1947

Series 112 contains abstracts of contracts for fairs, shows, advertisements; brief histories; copies of contracts; cartoons; charts; a large amount of correspondence; descriptions; designs and layouts; drawings; instructions; listings of radio shows; news clippings; notes of exhibitions, regarding shows etc.; pamphlets; photographs; proposals; records releases; rules and regulations; specifications; speeches; and telegrams.

Box 307, Folder 1	Radio Shows, 1922-1926
Box 307, Folder 2	Radio Shows, 1923-1926
Box 308, Folder 1	Radio Shows, 1923-1926
Box 308, Folder 2	Radio Shows, 1928-1939
Box 308, Folder 3	Radio Shows, January-June 1924
Box 308, Folder 4	Radio Shows, July-December 1924
Box 309, Folder 1	Radio Shows, July-December 1925
Box 309, Folder 2	Radio Shows, February-May 1928
Box 309, Folder 3	Plans for World's Fair (bound), 1933
Box 309, Folder 4	Radio shows, 1922-1928
Box 310, Folder 1	Radio shows, 1923-1929
Box 310, Folder 2	Radio shows, 1923-1935
Box 310, Folder 3	Radio shows, 1924-1935
Box 311, Folder 1	Radio shows, 1926-1929
Box 311, Folder 2	Radio shows, 1928-1940
Box 311, Folder 3	Radio shows, 1929-1947
Box 312, Folder 1	Radio shows, 1930-1933
Box 312, Folder 2	" (Chicago World's Fair), 1931-1933
Box 313, Folder 1	" (Photos of displays), undated
Box 313, Folder 2	" (Photos of displays), 1924-1928
Box 313, Folder 3	" (Photos of displays), 1927-1935

Series 114: Centralized Radio Systems, 1929-1935

Series 114 contains advertisements; articles; booklets; brochures; bulletins of apparatus; interdepartmental correspondence, 1929; descriptive bulletins; descriptions; diagrams; engineering reports; installation manuals; instruction books; model number lists; news releases; pamphlets; parts lists; periodical clippings; sales bulletins; sales catalogues; and service notes.

Box 314, Folder 1 RCA, 1929

Box 314, Folder 2 RCA, 1930-1935

Series 116: United States Government Activities in Radio, 1906-1949

Series 116 contains abstracts; copies of congressional bills and of the Congressional Record; bulletins; circulars; correspondence, 1912-1931; copies of "Foreign Communication News"; foreign trade letters; graphs; instructions; litigation case description; memoranda; news clippings; news releases; notes; order, F.C.C.; periodical clippings; photographs; reports; requested assignments; regulations; statements; surveys; and testimonies about the American government's civilian radio activities. Topics included are the Bureau of Standards; F.C.C.; international and national propaganda; government control of radio; Freedom of Radio (formerly series 214); and speeches and acts of Congress regarding radio. The activities of the Patent Office and the Courts are not included in this series. The series includes correspondence, memoranda and other materials produced by RCA executives concerned with government regulation of the radio industry.

- Box 315, Folder 1 Congressional Bills, 1910-1938
- Box 315, Folder 2 Congressional Bills, 1929-1946
- Box 315, Folder 3 Foreign Communications News, 1928-1934
- Box 315, Folder 4 Congressional Testimony, 1906-1948
- Box 316, Folder 1 Government Activities (other than military), 1900-1946
- Box 316, Folder 2 Government Activities (other than military), 1910-1940
- Box 316, Folder 3 Government Activities (other than military), 1912-1936
- Box 317, Folder 1 Government Activities (other than military), 1912-1941
- Box 317, Folder 2 Government Activities (other than military), 1912-1948
- Box 317, Folder 3 Government Activities (other than military), 1914-1948
- Box 318, Folder 1 Government Activities (other than military), 1916-1947
- Box 318, Folder 2 Government Activities (other than military), 1919-1949
- Box 318, Folder 3 Government Activities (press clippings), 1927-1941

Series 117: Technical Tables, 1903-1932

Series 117 contains tables, charts, and graphs giving data on transmitter/condensers, on resonance curves, wave length, frequency and oscillation, and tables on sparking distances. Also includes correspondence, drawings, bulletins, instructions, clippings, reports, Pickard's lists of transmitter and receiver adjustments, and conversion tables.

Box 319, Folder 1 Technical Tables, 1903-1932

Series 120: Litigation on Radio Subjects, 1914-1947

Series 120 is arranged alphabetically (with a few exceptions), concerning litigation on Radio subjects, including patents (but not including patents per se) consists of abstracts; articles; bills of particulars; booklets; trial briefs; contracts 1935, 1936-1942; court proceedings; data regarding litigation; decisions; depositions; drawings; court exhibits; graphs; litigation opinions of the courts; periodical clippings; photographs; reprints; index of Farnsworth Bound Volumes; sketches; specifications; statements; subpoena; telegrams; and testimonies.

- Box 319, Folder 2 Affel vs. Pickard, 1922
- Box 319, Folder 3 AT&T-Federal Telegraph Agreement, 1927
- Box 319, Folder 4 AT&T vs. Radio Audion, 1922
- Box 319, Folder 5 Armstrong vs. DeForest, 1934
- Box 319, Folder 6 Ashton and Curtis Interference, 1914
- Box 319, Folder 7 Atlantic Communication Accounting, undated
- Box 319, Folder 8 Avery vs. Darega, 1935
- Box 319, Folder 9 Bresson Patent, 1935
- Box 319, Folder 10 Crocker - Wheeler vs. U.S., 1928
- Box 319, Folder 11 DeForest, Lee, 1904
- Box 319, Folder 12 DeForest vs. Armstrong, 1914-1934
- Box 319, Folder 13 Ceco vs. Westinghouse, 1929
- Box 319, Folder 14 Chicago Telephony vs. Stackpole Carbon, 1940
- Box 319, Folder 15 Clapp vs. Eastmap Co., 1919
- Box 319, Folder 16 Congressional Hearings, 1930
- Box 319, Folder 17 DeForest vs. Arnold, 1915
- Box 319, Folder 18 DeForest vs. AT & T License (draft), 1917
- Box 319, Folder 19 DeForest vs. General Electric, 1929
- Box 319, Folder 20 DeForest vs. Hyde and Moorehead, 1917
- Box 319, Folder 21 DeForest vs. Hygrade, 1931
- Box 319, Folder 22 DeForest vs. Marconi, 1902-1924
- Box 319, Folder 23 DeForest vs. RCA, 1929-1934
- Box 319, Folder 24 DeForest vs. RCA, 1927-1932
- Box 319, Folder 25 DeForest vs. U.S., 1919-1947

Box 320, Folder 1 Dublier vs. Wireless Specialty Co., 1912-1922

Box 320, Folder 2 Federal Telegraph Co. - Poulsen Corp. (proposed license), undated

Box 320, Folder 3 Federal Trade Commission vs. RCA, 1930-1940

Box 320, Folder 4 Fessenden vs. DeForest, 1940

Box 320, Folder 5 Fessenden vs. Marconi, undated

Box 320, Folder 6 Fessenden vs. RCA, 1937

Box 320, Folder 7 General Electric Communications, Corp., 1940

Box 320, Folder 8 General Electric vs. DeForest, 1930

Box 320, Folder 9 Gold Seal vs. RCA, 1931

Box 320, Folder 10 Grigsby-Grunow vs. RCA, 1930-1933

Box 320, Folder 11 Harrison vs. RCA, 1923-1924

Box 320, Folder 12 Hazeltine Litigation, 1934

Box 320, Folder 13 Hazeltine vs. Wildermath, 1939

Box 320, Folder 14 International Devices, 1910-1942

Box 320, Folder 15 International Radio Telegraph Co., 1899-1905

Box 320, Folder 16 International Signal (on Vrecland Apparatus), 1920-1921

Box 320, Folder 17 Kauffman vs. Doubleday, 1924

Box 320, Folder 18 Kintner vs. Atlantic Communication Co., 1902-1921

Box 320, Folder 19 Kintner vs. Marconi, undated

Box 320, Folder 20 Lepel Patents, 1911

Box 320, Folder 21 Litigation, 1933-1949

Box 320, Folder 22 Howell vs. RCA, 1922-1930

Box 320, Folder 23 Lowenstein vs. U.S., 1914-1947

Box 320, Folder 24 Marconi vs. British Radio Telegraph and Telephone Co., 1910-1911

Box 321, Folder 1 Marconi vs. DeForest, 1904-1918

Box 321, Folder 2 Marconi vs. DeForest, 1916

Box 321, Folder 3 Marconi vs. Kilbourne & Clark Wireless Co., 1919

Box 321, Folder 4 Marconi vs. National Electric Signaling Co., 1895-1919

Box 321, Folder 5 Marconi vs. Simon, 1915-1918

Box 321, Folder 6 Marconi vs. U.S., 1903-1944

Box 321, Folder 7 Marconi vs. Wireless Specialty Apparatus Co., 1912-1916

Box 322, Folder 1 Maibohm vs. RCA Victor, 1935

Box 322, Folder 2 Marine Transmission Co. (re: NESCO infringement), 1906-1907

Box 322, Folder 3 Miessner Patent, 1914

Box 322, Folder 4 Melletron Tube vs. RCA, 1929-1930

Box 322, Folder 5 Miscellaneous, 1921-1942

Box 322, Folder 6 Murgas, undated

Box 322, Folder 7 National Association of Performing Artists, 1935

Box 322, Folder 8 NESCO vs. Atlantic Communications, 1915-1917

Box 322, Folder 9 NESCO vs. DeForest Wireless, 1905

Box 322, Folder 10 NESCO vs. Marconi, 1911-1914

Box 322, Folder 11 NESCO vs. Telefunken, 1910

Box 322, Folder 12 NESCO vs. U.S., 1935

Box 322, Folder 13 National Electric Supply Co., 1923

Box 322, Folder 14 NEMCO vs. Atlantic Communications Co., undated

Box 322, Folder 15 Picard Patent, 1914-1921

Box 322, Folder 16 Priess vs. Dubilier, 1927

Box 322, Folder 17 Radio Audion vs. RCA, 1922

Box 322, Folder 18 Raytheon vs. RCA, 1933

Box 322, Folder 19 RCA vs. Amsco (Anderson Patent), 1927

Box 322, Folder 20 RCA vs. AT&T, 1935

Box 322, Folder 21 RCA vs. Bunnell (also Grebe vs. AT&T), 1927

Box 322, Folder 22 RCA vs. Cable Radio Tube Corp., undated

Box 322, Folder 23 RCA vs. Hygrade Sylvania, undated

Box 322, Folder 24 RCA Litigation, 1933-1949

Box 322, Folder 25 RCA vs. Majestic, 1931

Box 322, Folder 26 RCA vs. Pathe, 1913-1926

Box 322, Folder 27 RCA vs. Radio Engineering Labs, 1927-1935

Box 322, Folder 28 RCA vs. Republic of China, 1934

Box 322, Folder 29 RCA vs. Rosewall, 1928

Box 322, Folder 30 RCA vs. Solat, 1940

Box 322, Folder 31 RCA vs. Telephone Arbitration, undated

Box 322, Folder 32 RCA vs. Universal (I & II), 1929-1930

Box 322, Folder 33 RCA vs. U.S. (damage litigation), 1932

Box 322, Folder 34 RCA Victor vs. Federal Radio Co., 1931

Box 322, Folder 35 RCA Victor vs. Hazeltine

Box 323, Folder 1 Scovill vs. RCA, 1927-1935

Box 323, Folder 2 Simon Case, 1918

Box 323, Folder 3 Splitdorf Case, 1913-1929

Box 323, Folder 4 Stone vs. Hutin-Le Blanc, U.S. Patent Office, 1891-1898

Box 323, Folder 5 Stone vs. Marconi (Scotus Case), 1943

Box 323, Folder 6 Telefunken vs. U.S., 1939-1942

Box 323, Folder 7 Torquay vs. RCA, 1932

Box 323, Folder 8 Tukerton Cases (claims), 1923-1942

Box 323, Folder 9 United Fruit (government litigation), 1914

Box 323, Folder 10 U.S. vs. DeForest, 1913-1914

Box 323, Folder 11 U.S. vs. Lowell, 1922-1931

Box 323, Folder 12 U.S. vs. RCA, 1930-1940

Box 323, Folder 13 UWT Co. vs. NESCO (New Jersey), 1900

Box 324, Folder 1 Walter Avery & Bresson vs. Davega-City Radio Inc., 1935

Box 324, Folder 2 Weagant vs. Bowers, 1929

Box 324, Folder 3 Westinghouse vs. DeForest, 1924-1931

Box 324, Folder 4 Westinghouse vs. Meissner, 1928-1931

Box 324, Folder 5 Westinghouse Cases (Super-hetrodyne patents), 1925

Box 324, Folder 6 Westinghouse vs. Cutting & Washington, 1923

Box 324, Folder 7 Willoughby vs. Rogers (Patent Office), 1921-1943

Box 324, Folder 8 Wireless Specialty Apparatus Co. vs. DeForest, 1922-1923

- Box 324, Folder 9 WSA vs. Priess, 1923
- Box 324, Folder 10 WSA vs. Magnus, 1922
- Box 324, Folder 11 WSA vs. U.S., 1919-1932
- Box 324, Folder 12 WSA Patents, 1912-1915
- Box 324, Folder 13 Wireless Telegraph vs. Signal Co., 1897-1901
- Box 324, Folder 14 William Cramp & Sons vs. International Curtis Marine Turbine, 1918
- Box 324, Folder 15 Walcott vs. NESCO, 1912
- Box 324, Folder 16 Clark "withdrawn abstracts"1910-1918
- Box 324, Folder 17 Congressional Hearings "Radio Communications"1897-1917
- Box 324, Folder 18 Farnsworth (books purchased by Clark), 1942
- Box 324, Folder 19 Legislation Pending, 1931
- Box 324, Folder 20 Senate Committee on Interstate Commerce, 1930
- Box 324, Folder 21 Wireless Telegraph Patents, 1914
- Box 325, Folder 1 Brief for U.S. (draft notes), 1984
- Box 325, Folder 2 NESCO vs. U.S., 1933-1943
- Box 325, Folder 3 Testimony regarding Mica Condensers by G.H. Clark, 1920
- Box 325, Folder 4 RCA vs. Edmond (re: Langmuir patent), 1926
- Box 326, Folder 1 RCA vs. F.A.D. Andrea vs. Twentieth Century Radio Corp. Vol I, 1923-1925
- Box 326, Folder 2 RCA vs. F.A.D. Andrea vs. Twentieth Century Radio Corp. Vol II, 1925-1926
- Box 326, Folder 3 RCA et al vs. Bunnell-Grebe (correspondence) Vol I, 1922-1926
- Box 327, Folder 1 Westinghouse & RCA vs. Royal Eastern & Amsco, 1925
- Box 327, Folder 2 RCA vs. Grigsby Grunow #1, 1926-1929
- Box 327, Folder 3 #2, 1926-1929
- Box 327, Folder 4 #3, 1926-1929
- Box 327, Folder 5 #1, 1929-1931
- Box 328, Folder 1 #2, 1929-1931
- Box 328, Folder 2 #3, 1929-1931
- Box 328, Folder 3 Canadian General Electric vs. Fada Radio Ltd., 1928
- Box 328, Folder 4 Lectures on Patent Law by R.R. Adams, 1923

Box 329, Folder 1 Dublier Condenser Corp vs. Wireless Specialty Apparatus Co., 1913-1916

Box 329, Folder 2 Dubilier Condenser Corp vs. RCA, 1921-1926

Box 329, Folder 3 Dubilier Condenser Corp vs. RCA Vol III, 1922

Box 329, Folder 4 Dubilier Condenser Corp vs. RCA Vol IV, 1926

Box 329, Folder 5 Dublier Condenser Corp vs. Baltimore Gas Light, 1921-1934

Box 330, Folder 1 RCA vs. McKay: Defendant's Exhibits Vol I, 1913-1931

Box 330, Folder 2 RCA vs. McKay: Plaintiff's Exhibits, 1923-1931

Box 331, Folder 1-2 NESCO vs. Marconi, 1914

Box 331, Folder 3 U. S. Patent Office: Lowell and Dunmore, 1918-1929

Box 331, Folder 4 Misc. patent material, 1922-1968

Series 121: Legislation, 1909-1940

Series 121 contains correspondence; news clippings; periodical clippings, papers; reports; and lists and handbooks describing petitions, Congressional actions, and certifications. Also included is a brief historical outline, excerpts from Air Law Review, and several RCA in-house publications. The materials concern litigation, legislation, and regulations governing the use of radio.

Box 332, Folder 1 Legislation, 1909-1940

Series 122: History of Radio Clubs, 1907-1946

Series 122 contains materials relating to the history of Radio Clubs between 1907 and 1946.

- Box 332, Folder 2 Veteran Wireless Operators Association, 1907-1949
- Box 332, Folder 3 Veteran Wireless Operators Association, 1914-1944
- Box 333, Folder 1 Veteran Wireless Operators Association, 1927-1946
- Box 333, Folder 2-3 Veteran Wireless Operators Association, 1937-1943
- Box 334, Folder 1 Veteran Wireless Operators Association, 1940-1949
- Box 334, Folder 2 Veteran Wireless Operators Association, 1941-1945
- Box 334, Folder 3 Institute of Radio Engineers, 1911-1945
- Box 335, Folder 1 Marine Wireless Operators Memorial Fund, 1912-1927
- Box 335, Folder 2 Marine Wireless Operators Memorial Fund, 1920-1942
- Box 335, Folder 3 Radio Exhibits

Series 123: Special Applications of Radio Frequency, 1924-1949

Series 123 contains advertisements; articles; booklets; correspondence (1929; 1931; 1938-40); installation instructions; news clippings; operating instructions; periodical bulletins; and technical papers regarding audio frequency and special applications of radio frequency apparatus. Subjects include "Radio Music," Theremin, Color Organ and Photophone. This series does not include broadcasting or radio telephony.

Box 336, Folder 1 RCA Sound Reproducing Equipment, 1924-1935

Box 336, Folder 2 RCA Sound Reproducing Equipment, 1936-1949

Box 336, Folder 3 RCA Theremin, 1926-1937

Series 124: Chronology, 1926-1937

Series 124 contains articles, booklets, a "Calendar of Wireless-Radio-Television"; chronological lists; correspondence, 1931-33, 1938; pamphlets; periodicals concerning notable events in radio; news clippings, and progress reports pertaining to the history of radio and early T.V. Sources are Navy, Weather Bureau, various publications, and the RCA Yearbooks of Wireless Telegraphy and Telephony. Also included are calendars, excerpts of papers and articles, and several "Marconi" Chronologies.

Box 337, Folder 1 Chronology of Radio, 1926-1939

Series 125: Radio Patents and Patent Practices, 1861-1949

Series 125 contains copies of United States patents relating to radio and related electrical technologies, arranged by patent number [c. 32,471 (1861)- 2,326,836 (1941)]. Also included is a separate section of Fessenden Patents. Several boxes contain information on patent practices: materials include articles; booklets; correspondence 1907-1913; 1918-26; 1929-1930; 1949 diagrams; defendants' exhibits; news clippings; pamphlets; patent applications (U.S., British, and German); patent specifications; periodical clippings; and several photographs. There are also materials relating to various patent suits: Langmuir Patent Record and Argument; Canadian General Electric vs. Fada Radio, 1927. Record of suits on wireless patents (1922-1929). Brody Patent Collection (see list in box).

Box 337, Folder 2	Patent Nos. 32471-329772, 1861-1885
Box 337, Folder 3	334186-439017, 1886-1890
Box 337, Folder 4	444678-531051, 1891-1894
Box 338, Folder 1	531970-596197, 1895-1897
Box 338, Folder 2	604486-638152, 1898-1899
Box 338, Folder 3	640443-663400, 1900
Box 338, Folder 4	664869-689438, 1901
Box 339, Folder 1	690973-710373, January-September 1902
Box 339, Folder 2	711123-717515, October-December 1902
Box 339, Folder 3	717765-732449, January-June 1903
Box 339, Folder 4	732822-748306, July-December 1903
Box 339, Folder 5	748597-758527, January-April 1904
Box 340, Folder 1	758542-768301, May-August 1904
Box 340, Folder 2	770229-778275, September-December 1904
Box 340, Folder 3	779443-793608, January-June 1905
Box 340, Folder 4	793647-800315, July-September 1905
Box 341, Folder 1	800658-808600, October-December 1905
Box 341, Folder 2	88641-834597, January-October 1906
Box 341, Folder 3	835023-852381, November 1906-April 1907
Box 341, Folder 4	852495-876105, May-December 1907
Box 342, Folder 1	876165-886203, January-April 1908
Box 342, Folder 2	886983-899629, May-September 1908
Box 342, Folder 3	901372-916895, October 1908-Mar. 1909

Box 342, Folder 4 917018-929607, Apr.-July 1909

Box 343, Folder 1 929745-943969, Aug.-Dec 1909

Box 343, Folder 2 945440-962417, January-June 1910

Box 343, Folder 3 963173-979986, July-December 1910

Box 343, Folder 4 980359-996580, January-June 1911

Box 344, Folder 1 996713-1012496, July-December 1911

Box 344, Folder 2 1013124-1030780, January-June 1912

Box 344, Folder 3 1031315-1048980, July-December 1912

Box 344, Folder 4 1050104-1083085, January-December 1913

Box 345, Folder 1 108498-1102184, January-June 1914

Box 345, Folder 2 1102421-1123185, July-December 1914

Box 345, Folder 3 1124904-1144969, January-June 1915

Box 346, Folder 1 1145066-1165983, July-December 1915

Box 346, Folder 2 1166582-1180800, January-April 1916

Box 346, Folder 3 1181423-1149213, May-September 1916

Box 347, Folder 1 1200017-1214283, October 1916-January 1917

Box 347, Folder 2 1214500-1231528, February-June 1917

Box 347, Folder 3 1231764-1251440, Jul-December 1917

Box 348, Folder 1 1251473-1269520, January-June 1918

Box 348, Folder 2 1271127-1289981, July-December 1918

Box 348, Folder 3 1290382-1307511, January-June 1919

Box 348, Folder 4 1308514-1314253, July-August 1919

Box 349, Folder 1 1314593-1329283, September 1919-January 1920

Box 349, Folder 2 1329758-1345007, February-June 1920

Box 349, Folder 3 1345352-1363319, July-December 1920

Box 349, Folder 4 1354495-1369281, January-February 1921

Box 350, Folder 1 1369781-1382914, March-June 1921

Box 350, Folder 2 1383275-1391855, July-September 1921

Box 350, Folder 3 1392815-1401644, October-Dec 1921

Box 351, Folder 1 1402235-1410890, January-March 1922
Box 351, Folder 2 1411814-1427350, April-August 1922
Box 351, Folder 3 1427832-1440142, September-December 1922
Box 352, Folder 1 1440432-1450080, January-March 1923
Box 352, Folder 2 1450265-1463475, April-July 1923
Box 352, Folder 3 1463795-1472610, Aug.-October 1923
Box 353, Folder 1 1472822-1485352, November 1923-February 1924
Box 353, Folder 2 1485485-1495616, March-May 1924
Box 353, Folder 3 1495992-1503324, June-July 1924
Box 353, Folder 4 1503599-1510424, Aug.-September 1924
Box 354, Folder 1 1510624-1521500, October-December 1924
Box 354, Folder 2 1521777-1527938, January-February 1925
Box 354, Folder 3 1528010-1536039, March-April 1925
Box 354, Folder 4 1536130-1544486, May-June 1925
Box 355, Folder 1 1544746-1551162, July-August 1925
Box 355, Folder 2 1551578-1559460, September-October 1925
Box 355, Folder 3 1559656-1563051, November 1925
Box 355, Folder 4 1563342-1568026, December 1925
Box 356, Folder 1 1568065-1574715, January-February 1926
Box 356, Folder 2 1574779-1579168, March 1926
Box 356, Folder 3 1579209-1582826, April 1926
Box 356, Folder 4 1582975-1590971, May-June 1926
Box 357, Folder 1 1591019-1598526, July-August 1926
Box 357, Folder 2 1598630-1604693, September-October 1926
Box 357, Folder 3 1604986-1609222, November 1926
Box 358, Folder 1 1609366-1612641, December 1926
Box 358, Folder 2 1612835-1618816, January-February 1927
Box 358, Folder 3 1618974-1626526, March-April 1927
Box 359, Folder 1 1626634-1634208, May-June 1927

Box 359, Folder 2 1634390-1640710, July-August 1927

Box 359, Folder 3 1641289-1646663, September-October 1927

Box 360, Folder 1 1647238-1654513, November-December 1927

Box 360, Folder 2 1654867-1661004, January-February 1928

Box 360, Folder 3 1661159-1667710, March-April 1928

Box 361, Folder 1 1667792-1675261, May-June 1928

Box 361, Folder 2 1675323-1682730, July-August 1928

Box 361, Folder 3 1682768-1685766, September 1928

Box 362, Folder 1 1685810-1690065, October 1928

Box 362, Folder 2 1691946-1693509, November 1928

Box 362, Folder 3 169358-1696895, December 1928

Box 363, Folder 1 1696928-1703719, January-February 1929

Box 363, Folder 2 1703870-1711399, March-April 1929

Box 363, Folder 3 1711560-1715326, May 1929

Box 364, Folder 1 1715395-1718849, June 1929

Box 365, Folder 1 1729704-1737407, October-November 1929

Box 365, Folder 2 1737741-1742147, December 1929

Box 365, Folder 3 1742231-1748847, January-February 1930

Box 366, Folder 1 1749042-1752228, March 1930

Box 366, Folder 2 1752302-1756893, April 1930

Box 366, Folder 3 1756931-1760672, May 1930

Box 367, Folder 1 1760871-1768519, June 1930

Box 367, Folder 2 1768666-1774493, July-August 1930

Box 367, Folder 3 1774538-1780085, September-October 1930

Box 368, Folder 1 1780167-1787300, November-December 1930

Box 368, Folder 2 1787536-1790576, January 1931

Box 368, Folder 3 1790646-1795411, February-March 1931

Box 369, Folder 1 1811095-2326836, June 1931-Aug 1943

Box 369, Folder 2 Fesenden Patents, 1902-1911

Box 369, Folder 3 Patent Practices, 1885-1940

Box 370, Folder 1 Patent Practices, 1897-1949

Box 370, Folder 2 Patent Practices, 1899-1926

Box 370, Folder 3 Patent Practices, 1901-1931

Box 371, Folder 1 Patent Practices, 1903-1927

Box 372, Folder 1 Langmuir Patent, Canadian Exchequer Court, January 17, 1927

Box 372, Folder 2 Langmuir Patent, Canadian Exchequer Court, January 18, 1927

Box 372, Folder 3 Langmuir Patent, Canadian Exchequer Court, January 21, 1927

Box 372, Folder 4 Langmuir Patent, Canadian Exchequer Court, January 24, 1927

Box 372, Folder 5 Langmuir Patent, Canadian Exchequer Court, January 25, 1927

Box 372, Folder 6 Langmuir Patent, Canadian Exchequer Court, January 26-27, 1927

Box 372, Folder 7 Langmuir Patent, Canadian Exchequer Court, March 18, 1927

Box 372, Folder 8 Langmuir Patent, Canadian Exchequer Court, March 19, 1927

Box 373, Folder 1 Patents #125-236A-259A, 1901-1932

Box 373, Folder 2 #125-260A-289A, 1918-1922

Box 373, Folder 3 #125-290A-295A, 1879-1937

Box 373, Folder 4 #125-298A-309A, 1900-1922

Box 373, Folder 5 #125-310A-319A, 1884-1907

Box 373, Folder 6 #125-320A-, 1874-1925

Box 374, Folder 1 Record of Suits on Wireless Patents, 1923-1929

Box 375, Folder 1 Patents, 1888-1918

Box 375, Folder 2 Patents, 1909-1925

Box 375, Folder 3 Patents, 1919-1926

Box 375, Folder 4 Patent Extracts of E.R. Johnson by G.H. Clark, 1900

Series 126: Phonographs, 1894-1949

Series 126 contains advertisements; an advertising poster for Columbia Phonographs; articles; booklets; circular letters to distributors and dealers; correspondence, 1931, 1932, 1935, 1944; instructions for operation and service; news clippings; news releases; RCA Victor order form for needles and accessories; parts catalogues; photographs; sales literature; service data; service notes; technical information booklets. Also includes advertisements for phonographs and phonograph records, 1893-1927. See Series 45 regarding combination sets (combined radio sets and phonographs).

- Box 375, Folder 5 Phonographs, 1905-1944
- Box 375, Folder 6 Phonographs, 1908-1949
- Box 375, Folder 7 Phonographs, 1930-1938
- Box 375, Folder 8 Victor Phonographs, 1894-1944
- Box 376, Folder 1 Phonographs (Advertisements), 1897-1920
- Box 376, Folder 2 Phonographs (Advertisements), 1899-1920
- Box 376, Folder 3 Edison Phonographs, 1893
- Box 376, Folder 4 Edison Phonographs, 1896-1897
- Box 376, Folder 5 Edison Phonographs, 1898
- Box 376, Folder 6 Edison Phonographs, 1899
- Box 376, Folder 7 Edison Phonographs, 1900
- Box 376, Folder 8 Edison Phonographs, 1901
- Box 376, Folder 9 Edison Phonographs, 1902
- Box 376, Folder 10 Edison Phonographs, 1903
- Box 376, Folder 11 Edison Phonographs, 1904
- Box 376, Folder 12 Edison Phonographs, 1905
- Box 376, Folder 13 Edison Phonographs, 1906
- Box 376, Folder 14 Edison Phonographs, 1907
- Box 376, Folder 15 Edison Phonographs, 1908
- Box 376, Folder 16 Edison Phonographs, 1909
- Box 376, Folder 17 Edison Phonographs, 1910
- Box 376, Folder 18 Edison Phonographs, 1911
- Box 376, Folder 19 Edison Phonographs, 1912
- Box 376, Folder 20 Edison Phonographs, 1913

Box 376, Folder 21 Edison Phonographs, 1915
Box 376, Folder 22 Edison Phonographs, 1916
Box 376, Folder 23 Edison Phonographs, 1917
Box 376, Folder 24 Edison Phonographs, 1917-1924
Box 376, Folder 25 Edison Phonographs, 1918
Box 376, Folder 26 Edison Phonographs, 1919
Box 376, Folder 27 Edison Phonographs, 1920
Box 376, Folder 28 Edison Phonographs, 1927
Box 376, Folder 29 Columbia Phonographs, 1898-1924
Box 376, Folder 30 Columbia Phonographs, 1896
Box 376, Folder 31 Columbia Phonographs, 1897
Box 376, Folder 32 Columbia Phonographs, 1898
Box 376, Folder 33 Columbia Phonographs, 1899
Box 376, Folder 34 Columbia Phonographs, 1900
Box 376, Folder 35 Columbia Phonographs, 1901
Box 376, Folder 36 Columbia Phonographs, 1902
Box 376, Folder 37 Columbia Phonographs, 1903
Box 376, Folder 38 Columbia Phonographs, 1904
Box 376, Folder 39 Columbia Phonographs, 1905
Box 376, Folder 40 Columbia Phonographs, 1906
Box 376, Folder 41 Columbia Phonographs, 1907
Box 376, Folder 42 Columbia Phonographs, 1908
Box 376, Folder 43 Columbia Phonographs, 1909
Box 376, Folder 44 Columbia Phonographs, 1910
Box 376, Folder 45 Columbia Phonographs, 1911
Box 376, Folder 46 Columbia Phonographs, 1912
Box 376, Folder 47 Columbia Phonographs, 1913
Box 376, Folder 48 Columbia Phonographs, 1914
Box 376, Folder 49 Columbia Phonographs, 1915

Box 376, Folder 50 Columbia Phonographs, 1915-1920

Box 376, Folder 51 Columbia Phonographs, 1916

Box 376, Folder 52 Columbia Phonographs, 1917

Box 376, Folder 53 Columbia Phonographs, 1918

Box 376, Folder 54 Columbia Phonographs, 1919

Box 376, Folder 55 Columbia Phonographs, 1920

Series 127: Piezo Electric Effect, 1914-1947

Series 127 contains articles; booklets; correspondence, 1914-1916, 1918, 1922, 1924, 1931, 1935; newsclippings; news releases; periodical clippings; photographs; and reports concerning the theory, history, related apparatus and applications of the Piezo-electric effect.

Box 377, Folder 1 Piezo Electric Effect, 1914-1947

Series 128: Arc Transmitting and Receiving Systems, 1904-1922

Series 128 contains advertisements; articles; apparatus orders of the Federal Telegraph Co.; blueprints; booklets of the Telefunken System of Wireless Telegraphy; correspondence, 1913, 1916 & 1918; diagrams; drawings; graphs, memoranda, notes; photographs; schematic diagrams and tests. There are general descriptions of systems but usually items are designated by name of inventor, as "Poulsen System."

Box 377, Folder 2 Arc Transmitting and Receiving Systems, 1904-1922

Series 129: Spark Systems, 1898-1941

Series 129 contains articles; booklets; descriptions for operation; diagrams; instructions; instruction books; news clippings; operating instructions; periodical clippings; photographs; and schematic tracings of spark transmitting and receiving systems. There are general descriptions of systems but usually items are designated by the name of the inventor, such as the "Fessenden system."

Box 377, Folder 3 Spark Systems, 1898-1941

Series 130: Vacuum Tube Systems, 1902-1939

Series 130 on vacuum tube transmitting and receiving systems consists of articles; booklets; correspondence, 1937; schematic diagrams; graphs; and news clippings. It includes general descriptions of systems and descriptions of systems designated by the name of the inventor, such as the "De Forest system". This series includes both code and speech systems, though the latter are more minutely described in Series 132.

Box 378, Folder 1 Vacuum Tube Systems, 1902-1939

Series 132: Radiophone Transmitting and Receiving System, 1906-1947

Series 132 contains advertisement flyers; booklets; bulletins; catalogues; descriptions; diagrams; instructions; instruction books; log of installation and operation of De Forest Radiophones in the U.S. Navy; notes; periodical clippings; photographs and reports.

Box 378, Folder 2 Radiophone Transmitting and Receiving System, 1906-1947

Series 133: Photo-Radio, 1899-1947

Series 133 contains advertisements; articles; booklets; correspondence, 1923, 1924, 1926, 1929, 1935, 1936, 1939; descriptions; drawings; facsimiles of photo-radio; graphs; news clippings; photographs; and specifications. See also Series 54.

Box 378, Folder 3 Photo Radio, 1899-1945

Box 379, Folder 1 Photo Radio, 1917-1947

Series 134: History of Radio Broadcasting, 1908-1952

Series 134 contains abstracts of Public Opinion; RCA annual report excerpts; articles; booklets; correspondence, 1922; 1930-1947; Dempsey-Carpentier boxing match; publicity documents; memoranda; news clippings; news releases; periodical clippings; and photographs. This series includes earlier methods, such as sending messages by broadcast from the flagship of a fleet to all other vessels of the fleet by spark telegraphy. It also refers to communicating with the general public by radiotelephony. See Series L for index to photographs in Bound Volumes.

- Box 379, Folder 2 Early Broadcasting, 1908-1952
- Box 379, Folder 3 Radio Broadcasting, circa 1920-1940s
- Box 380, Folder 1 Radio Broadcasting, circa 1920-1940s
- Box 380, Folder 2 Radio Broadcasting, circa 1920-1940s
- Box 381, Folder 1 Radio Broadcasting, 1921-1944
- Box 381, Folder 2 Radio Broadcasting, 1928-1937
- Box 381, Folder 3 Radio Broadcasting, 1929-1939
- Box 382, Folder 1 Radio Broadcasting, 1934-1939
- Box 382, Folder 2 Radio Broadcasting, 1935-1941
- Box 383, Folder 1 Radio Broadcasting, 1937-1947
- Box 383, Folder 2 Radio Broadcasting (Book 1), 1921-1936

Series 135: History of Radiotelephony, Other Than Broadcasting, 1900-1948

Series 135 contains an abstract; an advertisement; booklets; brochures; a catalogue; correspondence, 1905, 1907-1910, 1912-1915, 1919-1924, 1930-1932, 1935 & 1943; descriptions; diagrams; drawings; instructions; journals, and a log of installation and operation De Forest Radiophones in the U.S. Navy. Also included are memoranda; minutes; news clippings; news releases; notes; periodical clippings; a petition for a Canadian Patent; photographs; a price list of the international rates of calls from the Chesapeake and Potomac Telephone Co. in Washington, D.C.; reports; a radiogram; a Radiophone Reception Log; a telephone conversation between Professor Fessenden and Mr. J.G. Patterson; and Radio Telephone Tests.

Box 384, Folder 1 Radio Telephony, 1900-1948

Box 384, Folder 2 Radio Telephony, 1907-1942

Box 384, Folder 3 Radio Telephony, 1910-1935

Box 385, Folder 1 Radio Telephony, 1915-1935

Series 136: History of Amateur Radio, 1906-1947

Series 136 contains booklets; bulletins; correspondence, 1932, 1933, 1934, 1938, 1941 & 1943; memoranda; news clippings; news releases; notes; a photograph and reports.

Box 385, Folder 2 Amateur Radio, 1906-1947

Series 138: Transoceanic Communication, 1915-1943

Series 138 contains booklets; correspondence, 1924, 1931 & 1935; maps; news clipping; notes; periodical clippings; photographs and reports.

Box 385, Folder 3 Transoceanic Communication, 1915-1943

Series 139: Television Transmitting Stations, 1926-1944

This series contains booklets; a bulletin; correspondence, 1929-1931; "Applicants Description of Apparatus"; news clippings; notes; periodical clippings; photographs; and reports.

Box 385, Folder 4 TV Stations, 1926-1944

Series 140: Radio Theory, 1902-1946

Series 140 contains articles; booklets; correspondence, 1906, 1907, 1909, 1918, 1921, 1936; diagrams; drawings; a graph of wave length and day range of Radio telegraph; journals; maps; news clippings; news releases; notes; periodical clippings; standards on radio wave propagation, 1942; studies; and technical instructions. This series concerns the theoretical discussions on transmission, reception, effect of different wave length, heavy-side layer effect, effect of different spark notes; and C.W. vs. damped wave for signaling by code. It is cross-referenced as to subject, author, and events mentioned.

- Box 386, Folder 1 Radio Theory, 1902-1948
- Box 386, Folder 2 Radio Theory, 1904-1937
- Box 387, Folder 1 Radio Theory, 1906-1946
- Box 387, Folder 2 Radio Theory, 1908-1940
- Box 387, Folder 3 Radio Theory: "The Heaviside Expansion Theorem"1922

Series 142: History of Television, 1919-1949

Series 142 contains advertisements; articles; booklets; a biographical article on C. Francis Jenkins; bulletins; correspondence, 1926, 1928-1931, 1933-1936, 1939, 1940, 1942; diagrams; graphs; maps; a lithograph; memoranda; minutes; news clippings; news releases; notes; periodical clippings; photographs; program schedules; reports; specifications; a telegram and testimonies.

Box 388, Folder 1	History of Television, 1919-1949
Box 388, Folder 2	History of Television, 1922-1929
Box 388, Folder 3	History of Television, 1928-1932
Box 389, Folder 1	History of Television, 1928-1939
Box 389, Folder 2	History of Television, 1934-1944
Box 390, Folder 1	History of Television, 1935-1949
Box 390, Folder 2	History of Television, 1948-1949

Series 143: Photographs, 1931

Series 143 consists of photographs of people seen and heard on Jenkins Television Station W2XCR and Radio Station WGBS in 1931. Among those photographed are Primo Carnera; Maria "Gamby" Gamborelli, and Lionel Atwill. See also series 64.

Box 391, Folder 1 Photographs, 1931

Series 144: Radio Publications, 1903-1940

Series 144 contains correspondence, 1914, 1923, 1930, 1932, & 1938; memoranda; news clippings, including a scrapbook on Orson Wells's, "The War of the Worlds"; news releases; periodicals; periodical clippings; and photographs of pamphlet covers relating to publications about radio broadcasting.

Box 391, Folder 2 Radio Publications, 1903-1940

Series 145: Proceedings of Radio Societies, 1910-1948

Series 145 contains Minutes of Radio Societies and booklets; journals; a yearbook, and a trade directory.

Box 391, Folder 3 Proceedings, 1910-1948

Series 146: Radio Museums, 1922-1947

Series 146 contains booklets; catalogues; correspondence, 1922, 1929-39, 1945 & 1946; descriptions; lists of employees; news clippings; pamphlets; periodical clippings; reports; reprints; and telegrams.

- Box 392, Folder 1 Radio Museums, 1922-1947
- Box 392, Folder 2 Radio Museums, 1928-1936
- Box 392, Folder 3 Radio Museums, 1928-1939
- Box 393, Folder 1 Radio Museums, 1930-1939
- Box 393, Folder 2 RCA Museum Material, 1929-1932

Series 147: Bibliography of Radio Subjects and Apparatus, 1910-1946

Series 147 contains advertisements; booklets; brochures; bibliographies; correspondence, 1930; lists of radio publications; notes; periodical clippings; a price list of books about radio in education; reports and radio references. This series on bibliographies includes chiefly magazines. Chronologically listed.

Box 394, Folder 1 Bibliographies, 1910-1946

Series 148: Aircraft Guidance Apparatus, 1919-1948

Series 148 contains articles; drawings; maps; news clippings; notes; periodical clippings; photographs; and reports dealing with aircraft auxiliary and guidance apparatus e.g. beacons, altimeters, leader gear and landing aids. It does not include direction finder; Loran; Shoran.

Box 394, Folder 2 Aircraft Guidance, 1919-1948

Series 150: Audio Frequency Instruments, 1906-1939

Series 150 contains a bibliography on the measurement of signal intensity; booklets; charts; correspondence, 1906, 1913, 1914, 1918, 1919; graphs; instructions; notes; periodical clippings; photographs and reports.

Box 395, Folder 1 Audio Frequency, 1906-1939

Series 151: History of Radio for Aircraft, 1907-1948

This series contains booklets; charts; correspondence 1916, 1917, 1923, 1928, 1929, 1932, 1935, 1940 and 1945; diagrams; graphs; instructions; memoranda; news clippings; news releases; notes; patent copies; periodical clippings; photographs; reports and specifications. All materials relate to the history of the use of radio communications in aircraft. See Series 12 for use in ground stations.

Box 395, Folder 2 Radio for Aircraft, 1907-1948

Box 396, Folder 1 Radio for Aircraft, 1908-1943

Series 152: Circuit Theory, 1853-1948

This series contains articles; blueprints; booklets; extracts from briefs; correspondence 1906, 1911-22, 1926, 1932, 1931; news clippings; notes papers; photographs; reports; sketches and legal testimony.

Box 396, Folder 2 Circuit Theory, 1853-1948

Box 397, Folder 1 Circuit Theory, 1899-1948

Box 397, Folder 2 Circuit Theory, 1907-1935

Series 154: Static Elimination, 1904-1943

This series contains articles; booklets; correspondence, 1904, 1905, 1911, 1921, 1923, 1924; graphs; memoranda; news clippings; pamphlets; and periodical clippings about the reduction of man-made interference to reception of radio signals, including interference from power lines and power apparatus, e.g. electric apparatus on automobiles, aircraft and household appliances. The series does not include interference from atmospheric sources, transmitters, receivers, or automobile "wheel static."

Box 398, Folder 1 Static Elimination, 1904-1943

Series 161: Radio in Medicine, 1899-1948

This series contains articles; booklets; correspondence:1930 & 1935; memoranda; news clippings; news releases; periodical clippings; photographs; and reports. Among the topics included are use of radio and electricity in therapeutics; radio's effect on plants; germicidal effect of radio; radio used in massage; diathermy in medicine; and short wave therapy.

Box 398, Folder 2 Radio in Medicine, 1899-1948

Series 162: Lightning, 1905-1949

This series contains articles; booklets; correspondence: 1906 & 1923; graphs; news clippings; periodical clippings; a photograph; reprints and sales releases. See Series 92 for static effects on receivers.

Box 398, Folder 3 Lightning, 1905-1949

Series 163: Police Radio, 1922-1940

This series contains advertisements; articles; correspondence: 1929, 1931, 1935; illustrations; instructions; instruction books; memoranda; news clippings; news releases; pamphlets; periodical clippings; photographs; sales bulletins; sales releases and sales literature.

Box 399, Folder 1 Police Radio, 1922-1940

Series 169: Cartoons, 1916-1949

This series consists of poetry, jokes, and humorous stories regarding radio and the phonograph, including advertisements; articles; NBC Calendar, 1939; correspondence, 1939, 1943; news clippings; notes; periodical clippings; sheet music; and stories.

Box 399, Folder 2 Cartoons, 1916-1949

Box 400, Folder 1 Cartoons, 1922-1948

Box 400, Folder 2 Cartoons, 1924-1947

Series 173: Communications, Exclusive of Radio (after 1895), 1895-1949

This series contains an affidavit; articles; booklets; correspondence: 1899, 1901, 1922, 1941, 1942; diagrams; news clippings; notes; audio play scripts; sketches; and specifications.

Box 401, Folder 1 Communications, 1895-1949

Series 174: Television Methods and Systems, 1928-1944

This series concerning television methods and systems contains articles; booklets; news clippings; notes; pamphlets; periodical clippings; and photographs.

Box 401, Folder 2 Television, 1928-1944

Series 182: Military Portable Sets, 1905-1939

This series contains articles; correspondence 1913, 1919, 1939; descriptions; index to defendants Exhibit G, Dubilier Condenser Co. vs. Wireless Specialty Apparatus Company; memoranda; and news clippings.

Box 401, Folder 3 Military Portable Sets, 1905-1939

Box 402, Folder 1 Military Portable Sets, 1909-1922

Series 189: Humor in Radio, 1904-1950

See also Series 169, Cartoons, 1916-1949.

Box 402, Folder 2 Humor in Radio, 1904-1947

Box 402, Folder 3 Humor in Radio, 1915-1950

Box 403, Folder 1 Humor in Radio, 1923-1944

Series 209: Short Waves, 1917-1955

This series contains booklets; correspondence 1920, 1924, 1926-1928, 1932, 1936, 1941; news clippings regarding Management guidance of the Naval Communications System; and news releases.

Box 403, Folder 2 Short Waves, 1917-1955

Series 226: Radar, 1900-1949

This series contains articles; booklets; correspondence, 1922; news clippings; and periodical clippings.

Box 403, Folder 3 Radar, 1900-1949

Series 233: Television Transmitters, 1900-1932

This series contains blueprints; correspondence, 1930-1932; diagrams; and illustrations related to television transmitters.

Box 404, Folder 1 Television Transmitters, 1900-1932

Series A: Thomas Coke Knight RCA Photographs, circa 1902-1950

A complete item level finding aid for this series is available in the Archives Center.

Subseries A1: Wireless

Box 405, Folder 1	Nathan Stubblefield Green numbers on photoprints: 1-14
Box 405, Folder 2	Early Marconi apparatus, tests and stations Green numbers on photoprints: 15-85
Box 405, Folder 3	Early Wireless apparatus, tests and stations Green numbers on photoprints: 86-143
Box 405, Folder 4	Crystal sets Green numbers on photoprints: 144-172
Box 405, Folder 5	Weagant apparatus Green numbers on photoprints: 173-176
Box 405, Folder 6	Fessenden apparatus and stations Green numbers on photoprints: 177-184
Box 405, Folder 7	Wavemeters Green numbers on photoprints: 185-190
Box 405, Folder 8	Wireless aboard ship to 1910 Green numbers on photoprints: 191-201
Box 405, Folder 9	Radio aboard ship, 1910-1920 Green numbers on photoprints: 202-221
Box 406, Folder 1	Navy Apparatus Green numbers on photoprints: 222-292
Box 406, Folder 2	Alternator Green numbers on photoprints: 293-298
Box 406, Folder 3	Motor Generator Green numbers on photoprints: 299-302
Box 406, Folder 4	Marconi Co., plants and apparatus, 1915-1920 Green numbers on photoprints: 303-322
Box 406, Folder 5	negatives (1) Green numbers on photoprints: 236;238-241; 287; 292; 297 & 298
Box 406, Folder 6	negatives (2) Green numbers on photoprints: 303-315

Subseries A2: Early Radio

Box 406, Folder 7	Radiotelephone Tests Green numbers on photoprints: 323-326A
Box 406, Folder 8	Early radio, miscellaneous Green numbers on photoprints: 327-351
Box 407, Folder 1	Amateur radio operators Green numbers on photoprints: 352-379 neg #s: 355, 360, 364, 366, 367, 368
Box 407, Folder 2	Radio compass Green numbers on photoprints: 380-401A
Box 407, Folder 3	Radio aboard ship, shipboard wireless operating rooms, 1920 and later Green numbers on photoprints: 402-473
Box 407, Folder 4	Radio schools Green numbers on photoprints: 474-504
Box 407, Folder 5	Early broadcasts Green numbers on photoprints: 505-514
Box 407, Folder 6	Short wave beam system (Marconi) Green numbers on photoprints: 515-519
Box 407, Folder 7	Short wave apparatus Green numbers on photoprints: 520-540
Box 408, Folder 1	Phonographs Green numbers on photoprints: 541-605
Box 408, Folder 2	Marine Transmitters Green numbers on photoprints: 606-612 Neg #s: 613 & 614

Subseries A3: Broadcasting

Box 408, Folder 3	RCA Messengers Green numbers on photoprints: 615-626
Box 408, Folder 4	KDKA Green numbers on photoprints: 627-641
Box 408, Folder 5	Broadcasting studios Green numbers on photoprints: 642-692
Box 408, Folder 6	WJZ Control Room, New York Green numbers on photoprints: 693-696
Box 408, Folder 7	Aeolian Building Green numbers on photoprints: 697-728

Box 409, Folder 1	Bound Brook, New Jersey Green numbers on photoprints: 729-794
Box 409, Folder 2	66 Broad St., New York Green numbers on photoprints: 795-828
Box 409, Folder 3	WGY, Schenectady, New York Green numbers on photoprints: 830-848
Box 409, Folder 4	Miscellaneous broadcasting stations Green numbers on photoprints: 849-858
Box 409, Folder 5	Control rooms Green numbers on photoprints: 859-879
Box 409, Folder 6	Sound effects Green numbers on photoprints: 880-884
Box 409, Folder 7	Microphones Green numbers on photoprints: 885-899
Box 410, Folder 1	Transmitting apparatus Green numbers on photoprints: 900-946
Box 410, Folder 2	Panels Green numbers on photoprints: 947-958
Box 410, Folder 3	Performators Green numbers on photoprints: 959-961
Box 410, Folder 4	Line amplifiers Green numbers on photoprints: 962-968
Box 410, Folder 5	Line repeaters Green numbers on photoprints: 970-978
Box 410, Folder 6	Magnetic modulators Green numbers on photoprints: 979-981
Box 410, Folder 7	Super Green numbers on photoprints: 982-990

Subseries A4: Radiolas

Box 410, Folder 8	Early receivers Green numbers on photoprints: 991-1031
Box 410, Folder 9	Superheterodynes Green numbers on photoprints: 1032-1066; missing 1040, contains 1 negative
Box 411, Folder 1	Radiolas, Models II - IX Green numbers on photoprints: 1067-1104

Box 411, Folder 2	Radiolas, Models X - 20B Green numbers on photoprints: 1105-1144
Box 411, Folder 3	Radiolas, Models 21-25 Green numbers on photoprints: 1145-1172
Box 411, Folder 4	Radiolas, Model 26 Green numbers on photoprints: 1173-1200; contains 1 negative
Box 411, Folder 5	Radiolas, Model 28 Green numbers on photoprints: 1201-1238
Box 412, Folder 1	Radiolas, Models 30-67 Green numbers on photoprints: 1239-1279
Box 412, Folder 2	RCA Victor Models Green numbers on photoprints: 1280-1299
Box 412, Folder 3	Miscellaneous Radiolas Green numbers on photoprints: 1300-1372
Box 413, Folder 1	Brunswick Radiolas Green numbers on photoprints: 1373-1428
Box 413, Folder 2	Unidentified Radiolas Green numbers on photoprints: 1429-1477; first two images are unnumbered

Subseries A5: Loudspeakers

Box 414, Folder 1	UZ-1320 Loudspeaker Green numbers on photoprints: 1478-1493
Box 414, Folder 2	100 Loudspeaker Green numbers on photoprints: 1494-1510
Box 414, Folder 3	100A Loudspeaker & others Green numbers on photoprints: 1511-1541
Box 414, Folder 4	104 Loudspeaker Green numbers on photoprints: 1542-1560
Box 414, Folder 5	Loudspeaker in home setting Green numbers on photoprints: 1561-1582
Box 414, Folder 6	Miscellaneous loudspeakers Green numbers on photoprints: 1583-1629
Box 415, Folder 1	Speaker cabinets Green numbers on photoprints: 1630-1644

Subseries A6: Radio Components (alphabetical)

Box 415, Folder 2	A.C. Package Green numbers on photoprints: 1645-1648
Box 415, Folder 3	Amplifiers Green numbers on photoprints: 1649-1667
Box 415, Folder 4	Antennas Green numbers on photoprints: 1668-1674
Box 415, Folder 5	Battery compartments Green numbers on photoprints: 1675-1683
Box 415, Folder 6	Battery eliminator Green numbers on photoprints: 1684-1686
Box 415, Folder 7	Chokes Green numbers on photoprints: 1687-1690
Box 415, Folder 8	Coils Green numbers on photoprints: 1691-1705
Box 415, Folder 9	Condensers Green numbers on photoprints: 1706-1733
Box 415, Folder 10	Duo-rectron Green numbers on photoprints: 1734-1741
Box 416, Folder 1	Elimination B Green numbers on photoprints: 1742
Box 416, Folder 2	Grid Leaks Green numbers on photoprints: 1743-1744
Box 416, Folder 3	Headphones Green numbers on photoprints: 1745-1747
Box 416, Folder 4	Inductances Green numbers on photoprints: 1748-1752
Box 416, Folder 5	Meters Green numbers on photoprints: 1753-1755
Box 416, Folder 6	Outlet transformers Green numbers on photoprints: 1756-1757
Box 416, Folder 7	Oscillators Green numbers on photoprints: 1758-1764
Box 416, Folder 8	Plugs Green numbers on photoprints: 1765-1766
Box 416, Folder 9	Rheostats Green numbers on photoprints: 1767-1770

Box 416, Folder 10	Socket adapters Green numbers on photoprints: 1771-1774
Box 416, Folder 11	Switches Green numbers on photoprints: 1775-1784
Box 416, Folder 12	Transformers Green numbers on photoprints: 1785-1800
Box 416, Folder 13	Tubes: WD11-UX874 [organized by Raditron numbers] Green numbers on photoprints: 1801-1904
Box 417, Folder 1	Tubes - miscellaneous Green numbers on photoprints: 1905-1922
Box 417, Folder 2	Tubes - unidentified; missing 1941, one image numbered between 1942 & 1943 Green numbers on photoprints: 1923-1949
Box 417, Folder 3	Uni-rectron Green numbers on photoprints: 1950-1957
Box 417, Folder 4	Uni & Duo rectron, unidentified Green numbers on photoprints: 1958-1965
Box 417, Folder 5	Vacuum arrester Green numbers on photoprints: 1966

Subseries A7: Marketing Radio

(Consists primarily of RCA publicity shots demonstrating the versatility and utility of radio)

Box 417, Folder 6	Superhetrodynes in the home Green numbers on photoprints: 1967-1987
Box 417, Folder 7	Radiolas in the home [organized by model number] Green numbers on photoprints: 1988-2077
Box 418, Folder 1	Radiolas in the home - unidentified Green numbers on photoprints: 2078-2110
Box 418, Folder 2	Advertising copy Green numbers on photoprints: 2111-2134
Box 418, Folder 3	Aircraft radio Green numbers on photoprints: 2135-2144
Box 418, Folder 4	Car radio Green numbers on photoprints: 2145-2177
Box 419, Folder 1	Radio aboard ship [listening to radio on ship N operating rooms] Green numbers on photoprints: 2178-2204

Box 419, Folder 2	Radio in the hospital Green numbers on photoprints: 2205-2210
Box 419, Folder 3	The Radiola House Green numbers on photoprints: 2211-2226
Box 419, Folder 4	Radio on trains Green numbers on photoprints: 2227-2276
Box 419, Folder 5	Radio stores Green numbers on photoprints: 2277-2283
Box 419, Folder 6	Uses of radios Green numbers on photoprints: 2284-2287

Subseries A8: Shore Stations

Box 420, Folder 1	Arlington Green numbers on photoprints: 2288-2297
Box 420, Folder 2	Bush Terminal, Brooklyn, New York Green numbers on photoprints: 2298-2303
Box 420, Folder 3	Belfast, Maine Green numbers on photoprints: 2304-2307
Box 420, Folder 4	Chatham, Massachusetts Green numbers on photoprints: 2308-2314
Box 420, Folder 5	Marion, Massachusetts Green numbers on photoprints: 2315-2341
Box 420, Folder 6	New Brunswick, New Jersey Green numbers on photoprints: 2342-2354
Box 420, Folder 7	Riverhead, Long Island Green numbers on photoprints: 2355-2394
Box 421, Folder 1	Rocky Point, Long Island Green numbers on photoprints: 2397-2442
Box 421, Folder 2	Stavanger Green numbers on photoprints: 2443-2447
Box 421, Folder 3	Tuckerton Green numbers on photoprints: 2448-2465
Box 421, Folder 4	United Fruit Company, Santa Marta Green numbers on photoprints: 2466-2470
Box 421, Folder 5	Miscellaneous stations Green numbers on photoprints: 2471-2547

Box 422, Folder 1 Miscellaneous shore stations
Green numbers on photoprints: 2548-2567

Subseries A9: Research and Manufacturing

Box 422, Folder 2 Manufacturing
Green numbers on photoprints: 2568-2611

Box 422, Folder 3 Manufacturing
Green numbers on photoprints: 2612-2668

Box 423, Folder 1 RCA Research Department, apparatus
Green numbers on photoprints: 2669-2689

Box 423, Folder 2 Research
Green numbers on photoprints: 2690-2752

Box 423, Folder 3 Tube testing
Green numbers on photoprints: 2753-2803

Box 424, Folder 1 Tube testing
Green numbers on photoprints: 2804-2842

Box 424, Folder 2 Van Cortland Park, RCA
Green numbers on photoprints: 2843-2846

Box 424, Folder 3 Van Cortland Park, RCA
Green numbers on photoprints: 2847-2869

Subseries A10: Innovations after 1920

Box 424, Folder 4 Electric Organ
Green numbers on photoprints: 2870-2874

Box 424, Folder 5 Hewlett loudspeaker
Green numbers on photoprints: 2875-2886

Box 424, Folder 6 Pallophthophone
Green numbers on photoprints: 2887-2894

Box 425, Folder 1 Photo Radio
Green numbers on photoprints: 2895-2942

Box 425, Folder 2 Photo Radio
Green numbers on photoprints: 2943-2964

Box 425, Folder 3 Television [includes Cathode Ray Oscilligraph]
Green numbers on photoprints: 2966-3030

Box 426, Folder 1 Projectors
Green numbers on photoprints: 3031-3090

Box 426, Folder 2 Theremin
Green numbers on photoprints: 3091-3094

Subseries A11: Exhibitions/Radio Shows

Box 426, Folder 3 Grand Central Palace, New York September, 1925
Green numbers on photoprints: 3095-3104

Box 426, Folder 4 New York City 1926 & 1927
Green numbers on photoprints: 3105-3122

Box 426, Folder 5 Boston, Philadelphia, Syracuse, 1927
Green numbers on photoprints: 3123-3131

Box 427, Folder 1 Chicago, 1927 & 1929
Green numbers on photoprints: 3132-3148

Box 427, Folder 2 New York, 1929 & 1930
Green numbers on photoprints: 3149-3162

Box 427, Folder 3 Jersey City, 1930
Green numbers on photoprints: 3163-3180

Box 427, Folder 4 326 Broadway, New York; Atlantic City, NJ; Hartford, CT
Green numbers on photoprints: 3181-3197

Box 427, Folder 5 Radio Compass
Green numbers on photoprints: 3198-3205

Box 427, Folder 6 Photophone, Photoradio
Green numbers on photoprints: 3206-3213

Box 427, Folder 7 Centralized Radio, ca. 1930
Green numbers on photoprints: 3214-3218

Box 427, Folder 8 Individual Components
Green numbers on photoprints: 3219-3223

Box 427, Folder 9 Tubes
Green numbers on photoprints: 3224-3232

Box 428, Folder 1 Posters
Green numbers on photoprints: 3233-3243

Box 428, Folder 2 Oversized display models
Green numbers on photoprints: 3244-3254

Box 428, Folder 3 Miscellaneous
Green numbers on photoprints: 3255-3329

Subseries A12: Portraits

Box 428, Folder 4	Alexanderson 17 images
Box 428, Folder 5	Armstrong 3 images
Box 429, Folder 1	DeForest 20 images
Box 429, Folder 2	Fessenden 5 images, 1 negative
Box 429, Folder 3	Hertz 1 image
Box 429, Folder 4	Marconi 49 images, 8 negatives
Box 429, Folder 5	RCA executives, miscellaneous 20 images
Box 429, Folder 6	Sarnoff 29 images
Box 429, Folder 7	Steinmetz 1 image
Box 429, Folder 8	Technicians & inventors, miscellaneous 13 images, 1 negative
Box 430, Folder 1	#392-1495 98 images
Box 430, Folder 2	#1643-2749 98 images
Box 431, Folder 1	#2751-3237 80 images
Box 431, Folder 2	Unidentified photographs with no #s 47 images
Box 431, Folder 3	Unidentified photographs with no #s 27 images
Box 431, Folder 4	Negatives with numbers 26 images
Box 432, Folder 1	Un-numbered folder 32 images

Subseries A13: Miscellaneous and Unidentified

Box 432, Folder 2	Camden Victrola Works, New Jersey 7 images
Box 432, Folder 3	Offices - miscellaneous 10 images, 15 negatives
Box 432, Folder 4	Buildings - miscellaneous 24 images, 5 negatives
Box 432, Folder 5	Medals, awards 10 images, 4 negatives
Box 433, Folder 1	Unidentified apparatus 10 images, 1 negative
Box 433, Folder 2	Miscellaneous 9 images, 27 negatives
Box 433, Folder 3	Not relevant to radio 13 images

Subseries A14: Diagrams

Box 433, Folder 4	Maps, charts, and diagrams 38 images
Box 433, Folder 5	Diagrams, RCA 184 - RCA 257 19 negatives
Box 434, Folder 1	Diagrams, RCA 258 - RCA 569 18 negatives
Box 434, Folder 2	Diagrams, RCA 576A - RCA 717 18 negatives
Box 434, Folder 3	Diagrams, RCA 722 - RCA 940 16 negatives
Box 434, Folder 4	Diagrams, RCA 980 - RCA 2088 15 negatives
Box 434, Folder 5	No numbers 21 negatives
Box 434	Robert S. Harding 7/16/93 Total: 4,180 images

Series B: George H. Clark Radioana Collection of Photographs By Class or Series

This series consists of photographs removed from the main body of the Clark Radioana Collection by the Division of Electricity, NMAH, for microfilming. This task was not accomplished. They are filed by the "class" or series from which they were removed. They have Clark's Navy filing system number on them. Not all series are represented.

Box 434	Class or Series 4, 5
Box 435	Class or Series 6
Box 436	Class or Series 7, 8, 9, 10, 14, 18, 19, 20, 21
Box 437	Class or Series 23, 24, 25, 26
Box 438	Class or Series 21, 32, 33, 34
Box 439	Class or Series 37, 38, 39
Box 440	Class or Series 41, 43, 45, 46
Box 441	Class or Series 48, 49, 50, 51
Box 442	Class or Series 52, 53, 59, 60, 61, 62, 63, 64
Box 443	Class or Series 66, 67, 69, 71, 72
Box 444	Class or Series 73, 74, 75, 76, 77
Box 445	Class or Series 78, 79
Box 446	Class or Series 85, 87, 92, 93, 98, 100, 101, 102, 114, 116, 126, 134, 135, 136, 139, 142, 143
Box 447	Class or Series 146, 149, 151, 152, 169, 173, 174, 188, 223, 226
Box 448	Class or Series 146, 149, 151, 152, 169, 173, 174, 188, 223, 226

Series C: Clark Unorganized and/or Duplicate Photographs

Box 449, Folder 1	Box 1; Palla Photophone
Box 449, Folder 2	Box 1; Photo negatives
Box 449, Folder 3	Box 9; Photos
Box 449, Folder 4	Box 10; Navy equipment
Box 449, Folder 5	Box 19; Equipment
Box 449, Folder 6	"Wooden Box" Equipment
Box 449, Folder 7	Marconi - images regarding World's Fair, New York, 1939-1940
Box 449, Folder 41860	Thomas Coke Knight photos
Box 450, Folder 1	from Box 1
Box 450, Folder 2	from Box 17
Box 450, Folder 3	from Box 17; young ladies dancing with radio
Box 450, Folder 4	from Box IV; Radio consoles
Box 450, Folder 41765	unidentified
Box 451, Folder 1	G.H. Clark photos RCA # 785-826
Box 451, Folder 2	G.H. Clark photos RCA # 1989-1991
Box 451, Folder 3	G.H. Clark photos RCA # 2001-2083
Box 451, Folder 4	G.H. Clark photos RCA # 2112-2178
Box 451, Folder 5	G.H. Clark photos RCA # 2203-2279
Box 451, Folder 6	G.H. Clark photos RCA # 2335-2452
Box 451, Folder 7	G.H. Clark photos RCA # 9851-9872
Box 451, Folder 8	G.H. Clark photos RCA # 24033-24536
Box 451, Folder 9	G.H. Clark photos RCA # 90055-92025
Box 451, Folder 10	Unidentified photos by Thomas Coke Knight
Box 452, Folder 1	Amateur Radio
Box 452, Folder 41675	Broadcasting
Box 452, Folder 6	Radio in classroom and hospital

Box 452, Folder 7	Laboratories and Factories
Box 452, Folder 8	RCA Museum Artifacts
Box 452, Folder 9	Unorganized & unidentified photos
Box 453, Folder 1	Television, 1929-1938
Box 453, Folder 2	First Victor Hand-driven Model
Box 453, Folder 3	Alexanderson TV, 1926-1928
Box 453, Folder 4	Jenkins Television, 1928-1932
Box 453, Folder 5	Jenkins Television, 1928-1948
Box 454, Folder 1	Photographs: Index
Box 454, Folder 2	DeForest, 1904-1939
Box 454, Folder 3	Marconi, 1899-1937
Box 454, Folder 4	Marconi (2), 1905-1937
Box 454, Folder 5	Marconi (3), 1898-1944
Box 455, Folder 41645	Photographs
Box 455, Folder 7	duplicates
Box 456, Folder 1	Photographs - Subclass 20-C
Box 456, Folder 41675	Photographs
Box 457, Folder 41645	Photographs
Box 458, Folder 41645	Photographs
Box 459, Folder 1	Photographs - Subclass 1B and 2B
Box 459, Folder 2	Photographs - Subclass 9A
Box 459, Folder 3	Photographs - Subclass 17B (No. 1)
Box 459, Folder 4	Photographs - Subclass 17B (No. 2)
Box 459, Folder 5	Photographs
Box 459, Folder 6	Photographs
Box 460, Folder 41644	Photographs

Box 461, Folder 1 Photograph negatives

Box 461, Folder 2 Photograph negatives: E.J. Nally, 1919

Box 461, Folder 3 Photograph negatives: Phone in observation car, 1928

Box 461, Folder 41734 Photograph negatives: Dining car, 1932

Box 461, Folder 6 Photograph negatives: Laurel Station Radio, 1932

Box 461, Folder 7 Photograph negatives: Beltsville, MD station, 1932

Box 461, Folder 8 Photograph negatives: Dining car interior, 1932

Box 461, Folder 9 Photograph negatives: photo of electric spark, 1933

Box 461, Folder 10 Photograph negatives: Bailey Electric spark, 1933

Box 461, Folder 11 Photograph negatives: New teletype machine, 1945

Box 461, Folder 12 Photograph negatives: Old Radio, 1945

Box 461, Folder 13 Photograph negatives: Radio & Telephone equipment, 1946

Box 461, Folder 14 Photograph negatives: First Telephone on Royal Blue, 1947

Box 461, Folder 15 Photograph negatives: Telegraph Office, 1950

Box 461, Folder 16 Photograph negatives: Teletype Machine, 1950

Box 461, Folder 17 Photograph negatives: Train Radio install, 1951

Box 461, Folder 18 Photograph negatives: Multiple transmitter, 1951

Box 461, Folder 19 Photograph negatives: Telephone on Capitol Ltd., 1952

Box 462, Folder 41649 Photographic negatives, undated

Box 463, Folder 41643 Photographs, undated

Box 464, Folder 41642 Photographs, undated

Box O/S 465 miscellaneous photographs & negatives, undated

Box 466, Folder 41641 Photograph Album, undated

Box 467, Folder 41641 Clark apparatus, photographs and negatives, undated

Box 467, Folder 41705 Photographs, undated

Box 467, Folder 8 Generally portraits (Sarnoff), undated

Box 468, Folder 1 Photograph negatives: Loudspeakers, undated

Box 468, Folder 2 Photograph negatives: RCA Service Station, undated

Box 468, Folder 3 Photograph negatives: Onboard ship, undated

Box 468, Folder 4 Photograph negatives: David Sarnoff, undated

Box 468, Folder 5 Photograph negatives: Diagrams, undated

Box 468, Folder 6 Photograph negatives: Massie receivers, undated

Box 468, Folder 7 Photograph negatives: Fokker plane & U.S. military plane, undated

Box 468, Folder 8 Photograph negatives: RCA, undated

Box 468, Folder 9 Photograph negatives: Marconi, undated

Box 468, Folder 10 Photograph negatives: Marconi's Beam system - Lecture, undated

Box 468, Folder 11 Photograph negatives: Nathan Stubblefield, undated

Box 468, Folder 12 Photograph negatives: Barret Relays, undated

Box 468, Folder 13 Photograph negatives: Broadcasting (98), undated

Box 468, Folder 14 Photograph negatives: unidentified, undated

Box 469, Folder 1 Photograph negatives: Radiola, undated

Box 469, Folder 2 Photograph negatives: Radiola 20, undated

Box 469, Folder 3 Photograph negatives: Radiola 25, undated

Box 469, Folder 4 Photograph negatives: Radiola 26, undated

Box 469, Folder 5 Photograph negatives: Radiola 28, undated

Box 469, Folder 6 Photograph negatives: Radiola 30, undated

Box 469, Folder 7 Photograph negatives: Radiola III, undated

Box 469, Folder 8 Photograph negatives: Radiola Superhetrodyne, undated

Box 469, Folder 9 Photograph negatives: Radio Shows and Displays, Series 112, undated

Box 469, Folder 10 Photograph negatives: Receiver, Superhetrodyne, portable, undated

Box 469, Folder 11 Photograph negatives: Radiotron UX-201 tubes, undated

Box 469, Folder 12 Photograph negatives: Aerials, undated

Box 470, Folder 41642 Photographs: Equipment by T.C. Knight, undated

Box 471, Folder 1 J.L. Bernard Photograph Album: includes images of many aspects of radio, i.e. equipment, buildings, aerials, personalities, etc. No captions. T.C. Knight, photographer, undated

Series D: Miscellaneous Radio Material

- Box 472, Folder 1 Radio Patents, undated
- Box 472, Folder 41673 RCA Electron Microscope Drawings, 1939
- Box 472, Folder 4 Radio Set specifications (Radio Retailing), 1935-1936
- Box 472, Folder 5 Miscellaneous, undated
- Box 473, Folder 41641 U.S. Army Signal Corps Diagrams, 1917-1931
- Box 473, Folder 3 Marconi Wireless Telegraph Company Blueprints, 1912
- Box 473, Folder 41746 Blueprints of radio equipment, 1906-1920
- Box 473, Folder 18 Miscellaneous notes, 1920-1921
- Box 474, Folder 1 Technical articles, clippings, 1890-1891
- Box 474, Folder 2 French Radio manuals, 1903-1918
- Box 474, Folder 3 S.C.R. 136 Transmitter (Signal Corps), 1922-1926
- Box 474, Folder 4 Radio Call Letters, 1923-1930
- Box 474, Folder 5 RCA Radio Museum correspondence, 1929-1949
- Box 474, Folder 6 F.T.C. in matter of G.E., A.T.&T., Western Electric, 1936
- Box 474, Folder 7 Portraits (negatives), radio equipment photoprints, undated
- Box 475, Folder 41651 Unorganized photostatic copies, undated
- Box 475, Folder 13 Miscellaneous publications, undated
- Box 476, Folder 1 U.S. Army Signal Corps Correspondence, 1924-1925
- Box 476, Folder 2 U.S. Army Signal Corps Correspondence, 1925-1926
- Box 476, Folder 3 Radio Apparatus Instructions: Westinghouse - U.S. Navy, 1928-1929
- Box 476, Folder 4 Transmitting Equipment for Rigid Airships, 1929-1930
- Box 477, Folder 1 Photographs, undated
- Box 477, Folder 2 Correspondence, 1915-1924
- Box 477, Folder 3 Unidentified files, undated
- Box 477, Folder 4 Miscellaneous publications, 1925-1961

Box 477, Folder 5 Material with no Class (Series), undated

Box 477, Folder 6 Unknown diagrams, undated

Box 478, Folder 1 Miscellaneous, undated

Box 478, Folder 2 B. Jensen miscellaneous, undated

Box 478, Folder 3 Edison DeForest data, undated

Box 478, Folder 4 Blueprints, undated

Box 478, Folder 5 Radio Equipment Manuals, undated

Box 479, Folder 1 Correspondence with U.S. Navy, 1903-1905

Box 479, Folder 2 RCA Economic Analysis of Radio Industry, 1920-1934

Box 479, Folder 3 Technical Manuals, Company Publications, undated

Box 479, Folder 4 "Measurement of Coupling Factor" Notes, 1922

Box 479, Folder 5 Transcript of RCA vs. Dublier, 1930

Box 480, Folder 1 Series 208, Servicing, 1922-1941

Box 480, Folder 2 Service Code, U.S. Army; Ground Telegraphy, 1918

Box 480, Folder 3 Standard Radio Symbols, 1910-1926

Box 480, Folder 4 International List of Radio Telegraph Stations, 1922

Box 480, Folder 5 NESCO vs. U.S.: George H. Clark Testimony, 1934

Box 480, Folder 6 RCA vs. Globe Wireless Ltd., 1935-1937

Box 481, Folder 1 RCA Publications, undated

Box 481, Folder 2 Miscellaneous company publications, undated

Box 481, Folder 3 Miscellaneous court documents, undated

Box 481, Folder 4 Trade, Industry and other publications, undated

Box Map Case,
Folder drawer #1 Crystal Receivers and Spark Gap Transmitters Project Blueprints, 1907-1911

Series E: Newspaper Clippings Concerning Growth of the Radio Industry, 1912-1937

Box 482	Newspaper clippings, primarily 1912
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Box 487	Newspaper clippings, 1922-1929, 1934-1936
Box 488	Newspaper clippings, 1931-1937
Box 489	Newspaper clippings, April 1, 1937
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Box 491	Newspaper clippings, September 1, 1937
Box 492	Newspaper clippings, November 1, 1937

Series F: Radio Publications, 1903-1957

- Box 493, Folder 1 Christian Century, 1931
- Box 493, Folder 2 Electrical World, 19112-1913
- Box 493, Folder 3 Foreign Language, 1909-1931
- Box 493, Folder 4 Foreign Language, undated
- Box 493, Folder 5 Journal of the American Institute of Electrical Engineers, 1921
- Box 493, Folder 6 Marconi Wireless Telegraph Company, 1922-1938
- Box 493, Folder 7 McElroy Manufacturing Company, undated
- Box 493, Folder 8 Physical Review, 1903-1905
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Box 496, Folder 6	General Publications, 1931-1933
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Series G: Darby & Darby, Attorneys Patent Files, circa 1914-1935

- Box 498, Folder 1 Case no. 252: Victor O. Allen, including apparent foreign \hat{E} Prior Art $\bar{}$ (issued patents). Correspondence incomplete, 1930-1935
- Box 498, Folder 2 Case no. 3: James L. Bradford, patent application materials - Reissue abandoned (no copy in file) Patent no. #14532667, 1918-1923
- Box 498, Folder 3 Case no. 108: Cooley, Patents, 1891-1923
- Box 498, Folder 4&5 Case no. 108 Cooley, Working Papers: Routine Patent Materials; Primary File: agreements, correspondence, drawings, photographs, 1924-1935
- Box 498, Folder 6 Case no. 108: Cooley, Patent Application papers [Canadian Patent], 1926-1935
- Box 498, Folder 7 Case no. 60: Henry S. Coyer (U.S.), Application materials (no copy in file) Patent no. #1305690, 1918-1919
- Box 498, Folder 8 Case no. 5: Lee DeForest, patent application materials and references to related matters. Wireless Telegrams and Telephone Systems. Includes DeForest's notes re: his invention (#1,507,017), 1914-1924
- Box 498, Folder 9 Case no. 9: Lee DeForest, 1915-1925
- Box 498, Folder 10 Case no. 58: Lee DeForest, 1920-1923
- Box 498, Folder 11 Case no. 116: Lee DeForest, 1923-1926
- Box 499, Folder 1 No Case no. Lee DeForest and Charles V. Logwood, refers to \hat{E} Armstrong Interference $\bar{}$ action in P.O. Patent no. #1170881 \hat{E} Wireless Receiving Systems $\bar{}$, 1911-1916
- Box 499, Folder 2 Case no. 2: Lee DeForest, 1914-1919
- Box 499, Folder 3 No Case no. Lee DeForest, Method of and means for reproduction and amplifying weak pulsating currents Patent no. #1314250, 1915-1916
- Box 499, Folder 4 Case no. 93: Garrett V. Dillenback, Application materials (no copy in file) Patent no. #339865 [Canada], 1931-1934
- Box 499, Folder 5 Case no. 93: Frederick Holborn, Application materials (undamped electrical, wave lengths) Abandoned on final rejection, 1922-1924
- Box 499, Folder 6 Case no. 146: Frederick Holborn, Application materials (including Steinmetz patent - "Prior Art") Electron Discharge Device (denied "Prior Art"), 1924-1927
- Box 499, Folder 7 Case no. 139: Frederick L. Hunter, Application documents (no patent granted) \hat{E} Prior Art $\bar{}$ material - no invention, 1924-1926
- Box 499, Folder 8 Case no. 145: Frederick L. Hunter, Application materials, Electron discharge devices and construction of operative elements (no patent issued) \hat{E} Prior Art $\bar{}$, 1924-1928
- Box 499, Folder 9 Case no. 15: Charles Francis Jenkins, Application materials (Broad coverage - television) Canadian Patent no. #317280 - Cross ref. US Patent no. #1766644 Synchronizing systems - television [Canada], 1930-1931

- Box 499, Folder 10 Case no. 77: Charles Francis Jenkins, Application materials, A basic patent Canadian Pat. no. #317281 (Television) Duplex Radio Machine Cross ref. US Pat. no. #1694065, 1930-1931
- Box 499, Folder 11 Case no. 82: Charles Francis Jenkins, 1930-1935
- Box 499, Folder 12 Case no. 98: Charles Francis Jenkins, 1930-1931
- Box 499, Folder 13 Case no. 110: Charles Francis Jenkins, Application materials, Two signal broadcast (no copy of patent) Patent no. #1976785, 1932-1934
- Box 499, Folder 14 Case no. 92: Jenkins Television Corporation, Files supporting application (and copy of Jenkins Trademark) and composition, 1930-1931
- Box 500, Folder 1 Case no. 72: Charles J. Keogan, Application materials, (no copy of patent) Patent no. #330749, 1931-1933
- Box 500, Folder 2 Case no. 78: Charles V. Logwood, Application materials, (no copy of patent) Patent no.#1440834, 1921-1923
- Box 500, Folder 3 Case no. 60: Charles H. W. Nason, Application materials, (no copy of patent) Patent no. #332309[Canada], 1932
- Box 500, Folder 4 Case no. 73: Charles H. W. Nason [Canada], 1932-1933
- Box 500, Folder 5 Case no. 206: Edwin F. Nickl, patent materials (incomplete) only, 1920-1932
- Box 500, Folder 6 Case no. 74: Delbert E. Replogle, patent material and related correspondence - Electro-Optical Methods and System of Transmissions [Canadian Patent] no copy, 1930-1933
- Box 500, Folder 7 Case no. 104: Delbert E. Replogle, electrical image transmissions, 1930-1933
- Box 500, Folder 8 Case no. 104: Delbert E. Replogle, patent material and related correspondence [Canada], 1931-1933
- Box 500, Folder 9 Case no. 107: Delbert E. Replogle Electro Optical System and Methods Patent no. #1914580, 1930-1933
- Box 500, Folder 10 Case no. 79: Richard E. Wallace, Light Sources [Canadian application], 1930
- Box 500, Folder 11 Case no. 31: Samuel Wein, 1930-1935
- Box 500, Folder 12 Case no. 91: Samuel Wein, Primary file: significant non-legal material; working papers and routine patent materials, 1930-1935

Series H: Blank Telegram Forms

Box 501 Telegram Forms by Country/Company, A-L, undated

Box 502 M-Z, undated

Series I: Miscellaneous Series

- Box 503, Folder 1 Series 40, FREQUENCY-CONTROL APPARATUS AND SYSTEMS, 1931
- Box 503, Folder 2 Series 42, FREQUENCY DOUBLERS OR MULTIPLIERS, 1930-1936
- Box 503, Folder 3 Series 70, DISTANCE FINDING STATIONS AND EQUIPMENT, 1911-1936
- Box 503, Folder 4 Series 81, VACUUM TUBE TRANSMITTER ASSEMBLY, 1926
- Box 503, Folder 5 Series 84, TRANSMITTER STATIONS OR APPARATUS: TESTS, MEASUREMENTS, EXPERIMENTS, 1899-1931
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- Box 503, Folder 10 Series 137, HISTORY OF MARINE RADIO OPERATION, 1909-1938
- Box 503, Folder 11 Series 141: MATHEMATICAL TREATMENT OF RADIO PROBLEMS, 1932
- Box 503, Folder 12 Series 149, ACCOUNTING, LIST OF JOB ORDERS, REQUISITIONS, AND CONTRACTS (Lists of Apparatus installed in specific locations. Chronological and by company), 1915-1934
- Box 503, Folder 13 Series 153, FILTERS FOR USE WITH RADIO CIRCUITS AND APPARATUS, 1924-1939
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- Box 504, Folder 8 Series 184, AUDIO-SIGNAL-INDICATING DEVICE (See Series 49), 1926
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- Box 504, Folder 11 Series 197, INTER-CITY RADIO, HISTORY OF DOMESTIC (City to City) RADIO COMMUNICATION, 1929-1937
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- Box 504, Folder 19 Series 241, ELECTRON MICROSCOPE; ELECTRON TELESCOPE; LIGHT-AMPLIFIER, 1940-1945
- Box 504, Folder 20 Series 247, PROTECTIVE ASSOCIATIONS, 1927-1930
- Box 504, Folder 21 Series 248, HISTORY OF RADIO SCHOOLS AND COLLEGES (with instruction books), 1932
- Box 504, Folder 22 Series 253, ELECTRONIC COMPUTERS, 1948-1949

Series J: Research and Laboratory Notebooks

- Box 505, Folder 1 Patents issued to J.F. Farrington, 1922-1941
- Box 505, Folder 2 Transmission Networks by J.F. Farrington, 1928
- Box 505, Folder 3 "Report #14 Duplex," by J.F. Farrington, 1919-1921
- Box 505, Folder 4 "Telephone Days," by John Stone Stone, circa 1888-1900
- Box 506, Folder 1 Laboratory Notebook, E.R Cram, 1906
- Box 506, Folder 2 Laboratory Notebooks, Roy A. Weagant, 1912-1914
- Box 506, Folder 3 Laboratory Notebooks, Roy A. Weagant, 1915
- Box 507, Folder 1 Laboratory Notebooks, Roy A. Weagant, 1915-1917
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- Box 508, Folder 1 Laboratory Notebooks, Roy A. Weagant, 1921-1925
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- Box 509, Folder 1 Stone Telephone & Telegraph Co., Van Dyck Notebooks, 1902-1908
- Box 509, Folder 2 Stone Telephone & Telegraph Co., Van Dyck Notebooks, 1904
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- Box 510, Folder 1 S.M Kinter Personal Notebook, 1911
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- Box 511, Folder 1 RCA, GE, Westinghouse vs. E.J. Edmond & Co. (Temporary index to Witnesses & Exhibits), 1927
- Box 511, Folder 2 RCA, GE, Westinghouse vs. E.J. Edmond & Co. (Testimonial), undated
- Box 511, Folder 3 Log of Tests on Duplex Systems, 1921
- Box 511, Folder 4 Marconi Wireless Telegraph Co. Ltd. No. #3, 1902
- Box 512, Folder 1 A. Stein Jr. Notebook, 1904
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