



Guide to the Otto Meier, Jr. records and papers, 1931-1979

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David M. Rubenstein Rare Book & Manuscript Library

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Duke University

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Summary

Collection Title:

Otto Meier Jr. records and papers, 1931-1979

Creator:

Meier, Otto, Jr., 1908-1979

Abstract:

Otto Meier, Jr. taught at Duke University from 1934 to 1975. Meier's specialties were electrical machinery and control, illumination, explosives, nucleonics, and experimental nuclear physics. Meier was also a consultant engineer with the Triangle Universities Nuclear Lab and helped to plan the facility. The collection contains correspondence; lecture and course notes; photographic material; reports; faculty council records; conference papers; and other materials pertaining to professional and student organizations, regional utilities, the School of Engineering, and the domestic use of nuclear power.

Extent:

22.5 Linear Feet

Language:

Materials are in English.

Collection ID:

UA.29.02.0062

Permalink:

<https://idn.duke.edu/ark:/87924/m1sx3v>

Preferred Citation

[Identification of item], Otto Meier, Jr. records and papers, Duke University Archives, David M. Rubenstein Rare Book & Manuscript Library, Duke University.

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Background

Scope and Content

This collection largely consists of materials related to Meier's time at Duke and his work with professional and academic organizations. Includes Meier's

Ph.D. thesis; course notes and lectures; materials for high school visits; correspondence, minutes, and reports from Meier's committee work at Duke including his time served on the Academic Council and the University Faculty Council; minutes and papers from the School of Engineering, formerly known as the College Engineering; curriculum materials, minutes, and status reports for the Department of Electrical Engineering. The collection contains materials related to professional and academic organizations Meier was involved with such as the American Institute of Electrical Engineers, the Institute of Electrical and Electronics Engineers, the Duke University chapter of Tau Beta Pi, and Durham Engineers Club. Also includes addresses and papers given by others at various engineering conferences, largely the Southeastern Electric Exchange. Photographic materials consist of negatives, slides (glass and plastic film), and prints. Includes images of engineering students, diagrams, lab equipment, and the installation of the Van de Graaff Accelerator in the nuclear facility of the Physics Department. Some of the glass slides are cracked, chipped, or broken.

Biographical/Historical

Born November 7, 1908, in Philadelphia, Pennsylvania, Otto Meier, Jr., was educated at the University of Pennsylvania (B.S., 1929; Electrical Engineering, 1937; Ph.D., 1957) and at the University of Michigan (M.S., 1938). Meier was a technical observer with the Geophysical Research Corporation in N.Y. (1929-1930), and then worked as a private consultant with C.D. Fawcett, Electrical Engineering, in Philadelphia (1930-1934).

Meier came to Duke University in 1934 as an instructor (1934-1938) in electrical engineering and taught as an assistant professor (1938-1945), associate professor (1945-1957), and professor (1957-1975). Meier's specialties were electrical machinery and control, illumination, explosives, nucleonics, and experimental nuclear physics.

In addition to teaching, Meier filled many administrative posts at Duke University. He was Chairman of the Schedule and Registration Committee of the College of Engineering (1947-1948), President of the Duke Faculty Club (1948-1949), Acting Chairman of the Electrical Engineering Department (1950), Director of Undergraduate Studies in Electrical Engineering (1961-1966; 1968-1970), Director of Graduate Studies in Electrical Engineering (1966-1968), Associate Dean for Undergraduate Studies in Electrical Engineering (1970-1971), Assistant Dean of Engineering (1971-1974), and University Marshal (1971-1974). Meier was also a representative for Duke University's Admissions Office at various high schools in the region.

As a consultant and researcher, Meier worked with the Engineering Corps of the U.S. Army (1941), the Explosives Division of the U.S. Naval Ordnance Lab (1949), and the Oak Ridge National Lab (1950). Beginning in 1950, Meier was an engineering consultant and researcher with the Nuclear Structure Lab at Duke, and consultant engineer with the Triangle Universities Nuclear

Lab. Meier played an active role in the planning of the facility during its construction.

Meier belonged to numerous professional engineering and scientific organizations. He was active in the N.C. section of the American Institute of Electrical Engineers, the Durham Engineers Club, and the Duke chapters of Tau Beta Pi and Sigma Xi.

Otto Meier was married in 1935 and had three sons. He died in 1979.

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Arrangement

The Otto Meier, Jr. records and papers are arranged in eight series: Personal and biographical files; General subject files; Duke University; School of Engineering; Organizations; Papers and articles; Photographic materials; and Tau Beta Pi.

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Administrative Information

Publication Statement

David M. Rubenstein Rare Book & Manuscript Library

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URL: <https://library.duke.edu/rubenstein/>

Access Restrictions

Access restricted. Some materials in this collection include student records. In accordance with the Family Education Rights and Privacy Act of 1974 as amended, Duke University permits students to inspect their education records and limits the disclosure of personally identifiable information from education records. Contact Research Services for more information.

Access note. Some materials in this collection are fragile and may require extra assistance from staff. Because of their vulnerability to breakage, glass slides are restricted. Contact Research Services for access.

Acquisition Information

The Otto Meier, Jr. records and papers was received by the University Archives as a transfer in 1980 (A80-223), 1981 (A81-19), 1984, and 1985 (A85-123).

Processing Information

Processed by Linda Daniel

Completed February, 2004

Encoded by Linda Daniel, February 2004

Materials with metal binders will need to be processed before use. Please consult University Archives staff.

Revision and rehousing of Photographic Materials, Papers and Articles, and revision of scope and contents note by April Blevins, January 2026

Use Restrictions

Copyright for Official University records is held by Duke University; all other copyright is retained by the authors of items in these papers, or their descendants, as stipulated by United States copyright law.

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Related Materials

Related Material

Department of Electrical Engineering Photo File. University Archives, Duke University. Department of Electrical Engineering Records. University Archives, Duke University. News Service Biographical Files. University Archives, Duke University. School of Engineering Records. University Archives, Duke University. Triangle Universities Nuclear Lab Records. University Archives, Duke University.

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Names and Subjects

- Electrical engineering
- Engineering -- Societies, etc.
- Engineering -- Study and teaching (Graduate) -- United States
- Engineering -- Study and teaching -- North Carolina -- Durham
- Nuclear physics
- Nuclear engineering
- Van de Graaff generator
- Black-and-white negatives
- Lantern slides
- Photographs
- Slides (photographs)
- Meier, Otto, Jr., 1908-1979
- American Institute of Electrical Engineers
- Duke University. School of Engineering
- Duke University. Department of Electrical Engineering
- Duke University -- Faculty
- Durham Engineers Club
- Institute of Electrical and Electronics Engineers
- Southeastern Electric Exchange
- Tau Beta Pi
- Triangle Universities Nuclear Laboratory

Collection Inventory

Personal and biographical files, circa 1930-1970

Scope and Contents note

This series contains Meier's Ph.D. thesis; texts of his lectures and addresses; materials documenting conferences he attended; and materials used on his trips as a Duke University Admissions Office representative to regional high schools. Also in this series are very extensive files on the courses Meier taught at Duke. These files include detailed notes, projects, tests, solutions to test questions, and course evaluations.

Biographical Material

Box 1

Conferences	Box 1
Course Materials	Box 1
Course Materials	Box 2
Course Materials	Box 3
High School Guidance-Admissions Trips	Box 3

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General subject files, circa 1930-1970

Scope and Contents note

Mainly contains correspondence, memoranda, and reports that document Meier's committee work at Duke. There is considerable material on the Faculty Club and on ROTC, and a minor amount on early computers at Duke. There are documents (agendas, papers, and programs) that deal with the activities of the Southeastern Electric Exchange, a regional utilities group, whose meetings Meier frequently attended.

The General Subject Files are arranged alphabetically.

A--Faculty Club	Box 3
Fawcett--Southeastern Electric Exchange	Box 4
Southeastern Electric Exchange--Wright Machinery Co.	Box 5

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Duke University, 1935-1972

Scope and Contents note

Consists mainly of minutes and memoranda of the University Council/Academic Council (1953-1973); the Graduate Faculty and its executive committee; the University Faculty (1953-1973); and the University Faculty Council/Undergraduate Faculty Council of Arts and Sciences (1967-1972). One binder contains minutes, correspondence, reports, and budgets of the Duke University

Church and its Board (1953-1956). There are several folders of University memoranda on a variety of topics (1935-1942).

Academic Council/University Council, 1953-1973	Box 5
Duke University Church, 1953-1956	Box 5
Graduate Faculty, 1956-1970	Box 5
University Faculty, 1953-1973	Box 5
General University Memoranda, 1935-1942	Box 6
University Faculty Council/Undergraduate Faculty Council of Arts and Sciences, 1967-1972	Box 6

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School of Engineering, 1937-1974

Scope and Contents note

Contains the minutes and related papers of the Engineering Administrative Council (1968-1974), Engineering Faculty (1953-1974), and the Engineering Faculty Council (1947-1974). In some cases the accounts and comments are more detailed than those in the published minutes. This series also has general information on topics such as administrators; articles and papers by Duke University faculty and students; the Board of Visitors; the engineering building, former faculty, and research and development. The subseries on the Dept. of Electrical Engineering is an important part of this series. It contains files on curriculum (1953-1954), minutes of the graduate faculty (1963-1964), and "status reports" from the years 1957, 1962, and 1967. The School of Engineering was known as the College of Engineering until 1966.

Administrative Council, 1968-1974	Box 6
Articles and Papers by Faculty and Students, 1955-1967	Box 6

Faculty: Minutes and Other Papers, 1953-1975

1953-1965	Box 6
1965-1974	Box 7

Faculty Council: Minutes and Other Papers 1947-1974

1947-1968	Box 7
1969-1974	Box 8
Minutes: Drafts 1967-1968	Box 8

General Files, 1937-1972

Files are arranged alphabetically.

Appointments Office--Long-Range Plans	Box 8
Miscellaneous--Woman's College	Box 9

Dept. of Electrical Engineering, 1953-1974

Scope and Contents note

Contains files on curriculum (1953-1954), minutes of the graduate faculty (1963-1964), and "status reports" from the years 1957, 1962, and 1967. This includes compilations of staff rosters, course descriptions, vitae, and available facilities. There is a sizeable collection of folders entitled "Staff," (1953-1954), that contains minutes of the electrical engineering faculty meetings, memoranda, reports, and other papers on general policies.

Curriculum, 1953-1954	Box 9
Graduate Faculty, 1963-1964	Box 9

Faculty-Staff: Minutes and Other Papers, 1953-1974

1953-1964	Box 9
1964-1974	Box 10

"Status Reports "

1957	Box 10
1962	Box 10
1967	Box 10

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Organizations, 1931-1974

Scope and Contents note

Contains correspondence, newsletters, minutes of regional conferences for twenty different organizations. The largest collections concern the American Institute of Electrical Engineers (ca. 1933-1963); Delta Epsilon Sigma (ca. 1931-1946); the Institute of Electrical and Electronics Engineers (ca. 1963-1971); and the campus chapter of Tau Beta Pi (ca. 1948-1975). There are also extensive materials from the Durham, N.C., Engineers Club (ca. 1944-1974), in which Meier was an active member. Some organizations are represented by only a few items retained by Meier. There are two folders on Phi Beta Kappa at Duke (1962) and Sigma Xi (ca. 1939-1974).

Engineering Organizations, 1931-1974

Box 10

American Institute of Electrical Engineers, [ca. 1933]-1963

[ca. 1933]-1942	Box 10
1942-1963	Box 11
American Society for Engineering Education, [ca. 1943]-1970	Box 11
Camera Club, 1938	Box 11
Chi Epsilon, 1964	Box 11
Delta Epsilon Sigma, [ca. 1931]-1946	Box 11
Durham Engineers Club, 1944-1974	Box 12
Engineering Societies Library, 1957	Box 12
Engineers Council for Professional Development, [ca. 1959]-1961	Box 12
Engineers Joint Council, 1956-1961	Box 12
Engineers Student Government, 1967-1974	Box 12
Eta Kappa Nu, [ca. 1953]-1955	Box 12
Illuminating Engineers Society, [ca. 1937]-1969	Box 12
Institute of Electrical and Electronics Engineers, [ca. 1963]-1971	Box 12

Institute of Electrical and Electronics Engineers, [ca. 1963]-1971	Box 13
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Junior Engineering Technical Society, 1960-1962	Box 13
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National Society of Professional Engineers, [ca. 1961]-1965	Box 13
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North Carolina Society of Engineers, [ca. 1948]-1975	Box 13
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Tau Beta Pi, [ca. 1948]-1975	Box 13
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Other Organizations, [ca. 1939]-1974

Phi Beta Kappa, 1962	Box 13
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Sigma Xi, [ca. 1939]-1974	Box 13
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Papers and articles, 1953-1968

Scope and Contents note

Includes addresses and papers given by others at various engineering conferences. Of note are the papers from the Southeastern Electric Exchange on technical, electrical, and electronics subjects. Included are speeches by officials of utility companies on nuclear power in its early days.

Index of Papers Presented Before Engineering and Operating Section Southeastern Electric Exchange (bound), 1953-1962	Box 14
--	--------

Preventing Furnace Explosions (bound), 1960	Box 14
---	--------

The Investor-Owned Electric Utility Industry (bound), 1961	Box 14
--	--------

Hi-Voltage Equipment Company articles, 1961, 1962	Box 14
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Scope and Contents

Includes "Fundamental Aspects of Some Switching Overvoltages on Power Systems" and "Some Fundamental Aspects of Recovery Voltages" by J. Zaborszky and J. W. Rittenhouse.

Proceedings of Conference on Education
(bound), 1965 July Box 14

The Impact of Advancing Technology on the
Designer and User of Microwave Systems by
Peter J. Alden, 1968 Box 14

Predicting Forced Draft Fan Noise by Thos. A.
Walters and Wm. E. Wendover, 1964 April Box 14

Scope and Contents

Presented at the American Power Conference, 26th Annual Meeting.

Southeastern Electric Exchange conference
papers, 1960 April 7-8 Box 14

Scope and Contents

Includes "Present 230 KV Substation Design on Duke System" by George L. Finley; "Practices in Loading 110-KV Class of Transformers Spares - Mobile Units" by Joel Daniel; "Power for Peaking" by Clarence C. Franck, Sr.; and "Lightning and Switching Surge Protection of Multi-Line Substations" by J. M. Clayton.

Southeastern Electric Exchange conference
papers, 1960 October 20-21 Box 14

Physical Description: 2 folders

Scope and Contents

Includes "Housepower Panel Program" by P. D. Huff; "Basic Plan of Gulf States Utilities Company Using 138 KV and Intermediate Voltage of 69 KV and then the 13.2 KV Distribution Voltage" by N. C. Spencer; "Designing a Residential Underground System" by R. H. Stevens; "Cooling Water Lakes for Steam Plants" by H. J. Guillory; "The Challenging Sixties" by J. L. Singleton; "Brushless Excitation" by Chas. L. Wagner; and "Extra High Voltage Transmission" by P. A. Abetti.

Southeastern Electric Exchange conference
papers, 1961 October 26-27 Box 15

Physical Description: 2 folders

Scope and Contents

Includes "The Effect of Load Factor on Distribution Transformer Economics" by D. R. Tomlin; "Pole Top Extension to Reduce Pole Replacements" by P. D. Huff; "Influence of Hydroelectric Reservoirs Upon Water Quality and Methods of Control" by J. Ben Stephenson; "Application of the Electronic

Digital Computer to Utility Engineering and Operating Problems" by John A. Salin; and A Gas Turbine Superimposed on Existing Low Pressure Steam Plant" by F. M. Heck and M. A. Jansen.

Southeastern Electric Exchange conference papers, 1962 April 12-13

Box 15

Scope and Contents

Includes "Problems in Applying the National Emergency Alarm Repeater to a Utility System, Address" by John Thornborrow; "Utility Planning for Defence Against Nuclear Attack" by W. T. Rogers; "Intermediate Development of an Area From Overhead to Future Underground Distribution" by Paul B. Boyd; and "Adjustable Speed Drives for Power Plant Equipment" by Richard D. O'Neil.

Southeastern Electric Exchange conference papers, 1962 October 24-26

Box 15

Physical Description: 2 folders

Scope and Contents

Includes "Present Status of Nuclear Power" by John W. Landis; "Construction and Effectiveness of Sound Barriers for Substations in Residential Areas" by Max W. Schulz, Jr.; "Single- and Multi-Step Switching of Pole-Mounted Capacitor Banks" by Wilson W. Morgan; "Startup and Operating Experience with Full Size Turbine Driven Boiler Feed Pumps" by Stanley Ragone; "The Control of Forced Draft Fan Noise" by Guy J. Sanders; "Automatic Economic Dispatch of Generation by Digital Computer" by J. R. Stauffer; Address by Baxter Wilson; "Overhead Crew Productivity and Performance" by C. E. Miltenberger; "Methods of Serving Garden and High-Rise Type Apartments" by P. D. Huff; "Sodium Reactor Technology and Concepts for High Performance Energy Generation" by R. W. Dickinson and D. T. Eggen.

Southeastern Electric Exchange conference papers, 1963 April, October

Box 15

Scope and Contents

Includes "Trends in Utility Operation- Problems and Opportunities by H. Neely Henry; "Progress in Advanced Methods of Power Generation: Their Future in the Utility Industry" by H. A. Wagner; and Remarks by Leonard F. C. Reichle.

Southeastern Electric Exchange conference papers, 1964 April 15-17

Box 15

Physical Description: 2 folders

Scope and Contents

Includes "Trends in Utility Regulation" by Francis X. Welch; "Research and Power Industry Progress" by Edwin Vennard; "Water Use Problems Confronting the Utility Industry" by L. W. Cadwallader; "Design of Power Transformers for Successful Shipment" by George G. Poulsen; "Computer Calculation of Distribution System Voltage Profiles" by J. W. Crawford; "Problems Related to Residential Underground Distribution Systems" by Horace G. Little; and "Spotting Transmission Line Structures with Digital Computer" by J. D. Shaw.

Southeastern Electric Exchange conference papers, 1964 October 8-9

Box 16

Scope and Contents

Includes "Responsibility Assignments in Nuclear Power Station Safety and Licensing" by Clifford K. Beck; "Future Outlook for Reduced B.I.L. of Transformers" by Edgar R. Taylor, Jr.; "Training and Upgrading of Production Employees" by V. C. Summer; "Discussion of Methods and Practice for Determination of Rights-Of-Way Widths" by J. L. Price.

Southeastern Electric Exchange conference papers, 1965 March

Box 16

Scope and Contents

Includes "The Electric Utility Industry and 'The Great Society'" by Harlee Branch and "Opportunity Unlimited" by Walker L. Cisler.

Southeastern Electric Exchange conference papers, 1965 July 22-23

Box 16

Physical Description: 2 folders

Scope and Contents

Includes "Research in the Electric Utility Industry" by Edwin Vennard; "Trends in Distribution & Utilization" by R. E. Raymond; "Nuclear Power" by George Kinsman; "Computers in Controlling System Operations" by Wm. R. Brownlee; "The Challenge of Electric Utility System Planning" by C. L. Rudasill; "Utility Opportunities for Community Development" by Shearon Harris; and "What Utilities Can Do To Assist Technical Institutions in Engineering Education" by Harry C. Simrall.

Southeastern Electric Exchange News Bulletin, 1964 March 18

Box 16

Southeastern Electric Exchange Summary of Newspaper Clippings, 1960 March 10	Box 16
Civilian Nuclear Power Appendices to a Report to the President by the U.S. Atomic Energy Commission, 1962	Box 16
Some Basics on Sound and Noise, author unknown, 1964 April 4	Box 16
Engineering Manpower Needs of the Investor-Owned Electric Utility Industry by James H. Campbell, 1964 October	Box 16

Scope and Contents

An address given at the Engineering Education Conference.

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Photographic materials, circa 1930s-1960s

Access Restrictions:

Access note. Some materials are fragile and may require extra assistance from staff. Because of their vulnerability to breakage, glass slides are restricted. Contact Research Services for access.

Scope and Contents note

Consists of negatives, glass slides, black and white slide film in plastic mounts, and a few prints. Includes images of engineering students, diagrams, and lab equipment. The glass slides also consist of images of schematics for a Van de Graaff accelerator, the installation of the 4MeV Van de Graaff in the nuclear facility of the Physics Department, and slides for the "Electric Power Utilities - Trends and Nuclear Outlook" presentation. Some of the glass slides are cracked, chipped, or broken.

Negatives, 1938-1939, undated

Scope and Contents

Includes images of the Electrical Engineering class of 1939, lab machinery, diagrams, and electron microscopy.

New steel base for Motor-Generator set
Electrical Engineering Machinery Lab, 1938
December 23

Box 16 > Image
UA29020062-N-0001

Physical Description: 1 items ; nitrate negative; 3 x 4 in.

Electrical Engineering senior class of 1939,
1939 April 14

Box 16 > Image
UA29020062-N-0002

Physical Description: 1 items ; nitrate negative; 4 x 5 in.

Cathode filament unit, diagram, undated

Box 16 > Image
UA29020062-N-0003

Physical Description: 1 items ; safety film negative; 5 x 7 inch

Scope and Contents

Hand drawing of diagrams included.

Light microscope and electron microscope
diagrams, undated

Box 16 > Image
UA29020062-N-0004

Physical Description: 1 items ; safety film negative; 5 x 7 in.

Scope and Contents

Hand drawing of diagrams included.

Electron microscopic images, undated

Box 16 > Image
UA29020062-N-0005,
UA29020062-N-0006,
UA29020062-N-0007

Physical Description: 3 items ; safety film negatives; 5 x 7 in.

Glass slides, circa 1940s-1960s

Scope and Contents

Consists of 128 lantern slides. Contains images of diagrams of nuclear particle processes, schematics for a Van de Graaff accelerator, the installation of the 4MeV Van de Graaff in the nuclear facility of the Department of Physics, as well as slides for the "Electric Power Utilities - Trends and Nuclear Outlook" presentation, slides with text related to the

American Institute of Electrical Engineers, and text about projects and equipment of the Dept. of Physics. Slides are fragile, and some are cracked, chipped, or broken.

Access Restrictions:

Access note. Subseries contains fragile materials and may require extra assistance from staff. Because of their vulnerability to breakage, glass slides are restricted. Contact Research Services for access.

Lists of glass slides, 1961 October

Box 16

Scope and Contents

As noted on cards, contains description of glass slides returned to professors Harold Lewis, Henry Newson, and R. M. Williamson of the Physics Department. Slides listed may not correspond to glass slides in this collection.

Van de Graaff Accelerator schematics and
accelerator images, 1960s

Box 19 > Image
UA29020062-GS-0001 -
UA29020062-GS-0021
Box 20 > Image
UA29020062-GS-0022 -
UA29020062-GS-0036

Physical Description: 36 slides ; 3 1/4"x4

4-MeV Van de Graaff installation, 1960s

Box 20 > Image
UA29020062-GS-0037 -
UA29020062-GS-0042
Box 21 > Image
UA29020062-GS-0043 -
UA29020062-GS-0051

Physical Description: 15 slides ; 3 1/4"x4

Scope and Contents

Slides contain images of the 4-MeV Van de Graaff Accelerator and lab equipment at Triangle Universities Nuclear Laboratory.

Diagrams, graphs, and charts, circa
1950s-1960s

Box 21 > Image
UA29020062-GS-0052 -
UA29020062-GS-0062

Box 22 > Image
UA29020062-GS-0063 -
UA29020062-GS-0065

Physical Description: 14 slides ; 3 1/4"x4

American Institute of Electrical Engineers
(AIEE)- Data, circa 1940s

Box 22 > Image
UA29020062-GS-0066 -
UA29020062-GS-0069

Physical Description: 4 slides ; 3 1/4"x4

Scope and Contents

Consists of text slides containing information related to the American Institute of Electrical Engineers.

"Electric Power Utilities- Trends and Nuclear Outlook" presentation, 1960s

Box 22 > Image
UA29020062-GS-0070 -
UA29020062-GS-0084

Box 23 > Image
UA29020062-GS-0085 -
UA29020062-GS-0099

Physical Description: 30 slides ; 3 1/4"x4

Scope and Contents

Includes images for the Electric Power Utilities- Trends and Nuclear Outlook presentation. Some of the images are from papers in the "Papers and Articles" series, such as "Research in the Electric Utility Industry: An Address" and "Research and Power Industry Progress: An Address" by Edwin Vennard, and "The Investor-Owned Electric Utility Industry."

Text slides, circa 1960s

Box 23 > Image
UA29020062-GS-0100 -
UA29020062-GS-0107

Box 24 > Image
UA29020062-GS-0108 -
UA29020062-GS-0128

Physical Description: 29 slides ; 3 1/4"x4

Scope and Contents

Consists of typewriter slides containing text related to the Duke Dept. of Physics, research projects, the Van de Graaff accelerator, and lab equipment.

Slide film, circa 1960s

Scope and Contents

Consists of black and white images. Majority are in 3 1/4" x 4" plastic lantern slide mounts.

Population Chart of D-C Positive Ion Accelerators, undated	Box 16 > Image UA29020062-SL-0001
Original fission diagram, undated	Box 16 > Image UA29020062-SL-0002
What a Nuclear (Pile) Is, diagram, undated	Box 16 > Image UA29020062-SL-0003
Nuclear and fossil units graph, undated	Box 16 > Image UA29020062-SL-0004
Choices to be made in Reactor Design, table, undated	Box 16 > Image UA29020062-SL-0005
Electric Utility Generating Capacity, graph, undated	Box 16 > Image UA29020062-SL-0006
Atoms of elements diagram, undated	Box 16 > Image UA29020062-SL-0007
Boiling water reactor system diagram, undated	Box 16 > Image UA29020062-SL-0008
First Atomic Powered Weather Station, U.S. Atomic Energy Commission, cutaway diagram, circa 1960s	Box 16 > Image UA29020062-SL-0009
Nuclear Power Plant PM-3A, First for the Antarctic Continent, circa 1960s	Box 16 > Image UA29020062-SL-0010
15 Million Electron Volt, Model FN, Tandem Van de Graaff Accelerator, rendering, circa 1960s	Box 16 > Image UA29020062-SL-0011

Tandem Van de Graaff Accelerator, rendering,
circa 1960s

Box 16 > Image
UA29020062-SL-0012

Prints, circa 1950s-1960s

Box 16

Physical Description: 4 prints

Scope and Contents

Contains images of students and events.

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Tau Beta Pi, 1948-1970

Access Restrictions:

Access restricted. Series contains student records. In accordance with the Family Education Rights and Privacy Act of 1974 as amended, Duke University permits students to inspect their education records and limits the disclosure of personally identifiable information from education records. Contact Research Services for more information.

Processing Information:

The Tau Beta Pi Records were transferred from Meier's office and were re-incorporated into the Otto Meier, Jr., Records and Papers on 28 April 1994.

Scope and Contents note

The Tau Beta Pi Series contains material from the North Carolina Gamma Chapter of Tau Beta Pi, national engineering honorary, established at Duke University on Jan. 10, 1948. The material contains banquet initiation programs (1949-1970), correspondence, bulletins, and printed material on the history, purpose, constitution, and other aspects of Tau Beta Pi. It includes two large bound volumes, Book of the Chairman of the Advisory Board, (1948-1950; 1950-1958). There is also a large amount of material on the National Convention of 1960.

Tau Beta Pi records

Box 17-18

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