Collins, George, Papers

George Collins Papers

1952-1993

Title Statement

Collins, George, PapersGeorge Collins Papers, 1952-1993 Ms.2003.012

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Profile Description

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Descriptive Summary

Unit ID

Ms.2003.012

Unit Date

1952-1993

Language

The materials in the collection are in English.

Abstract

These papers are comprised mostly of correspondence from George B. Collins' time as Chairman of the Brookhavens Cosmotron Department. The collection also contains travel vouchers, research proposals, travel reports, and materials relating to Collins' work as a professor at University of Notre Dame and at Virginia Tech.

Creator

Collins, George

Extent

2 Cubic Feet 3 boxes, 1 oversize folder

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

The collection is open for research.

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Source of Acquisition

This collection was acquired by Special Collections and University Archives in 2003.

Processing Information

The processing, arrangement, and description of the George Collins Papers was completed in September 2013.

Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], George Collins Papers, Ms2003-012, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

Biographical Note

George Collins, a physicist, particle experimentalist, educator, and administrator, earned a PHD with R.W. Wood at Hopkins studying UV Spectroscopy. Collins was a Professor at Notre Dame working on nuclear excitation and disintegration. He was responsible for the construction of a nuclear accelerator for the Notre Dame Nuclear Physics lab in 1935. He worked with Dr. Jose Caparo. In 1935, the accelerator was Notre Dames largest nuclear physics- related project to that date. The accelerator was the source of several decades research on nuclear physics, much of which was headed by Collins. At MIT he assisted the war effort in the Radiation Laboratory, developing radar for military purposes. He taught at University of Rochester and served the Department of Physics as Chairman. He was in charge of construction and operation of the 240 MeV synchrocyclotron and initiated, with Robert Marshak the Rochester Conferences. He was Chairman of Brookhaven's Cosmotron Department and a Fulbright fellow in Belgium. Late in his career he came to Virginia Tech and taught physics from 1968 to 1976.

Scope and Content

The collection contains a variety of materials, but consists primarily of Collins' correspondence from the 1950s through the 1970s, including his time as a professor at Virginia Tech. Other materials include professional papers, notes from speeches and papers, and travel reports. The collection includes a few photographs, as well as memorabilia from his time teaching at Notre Dame.

Separated Materials

The following books were removed and cataloged for the Special Collections Rare Book Collection:

- "Astronomy and Cosmology- A Modern Course" by Fred Hoyle
- "The Big Bang- The Creation and Evolution of the Universe" by Joseph Silk
- "The Great Design- Particles, Fields, and Creation" by Robert K. Adair
- "How to Tell the Birds From the Flowers" by Robert Williams Wood
- "Physics for Poets" by Robert H. March
- "Physics for Society" by W. B. Phillips
- "University Physics- Sixth Edition" by Francis W. Sears, Mark W. Zemansky, and Hugh D. Young

Keywords

Faculty and staff

Physics

Physicists
Science and Technology
University History
Collins, George
Virginia Polytechnic Institute (1944-1970)
Virginia Polytechnic Institute and State University (1970-)

Rights Statement for Archival Description

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Arrangement

This collection is arranged in three series:

- Series I: Correspondence includes letters from 1952-1993.
- Series II: Papers contains materials from Collins' teaching and professional career.
- Series III: Artifacts consists of larger memorabilia (a photograph, a sign, and a poster).

Description of Subordinate Components

Series I: Correspondence
Unit Date 1952-1993

1952
box-folder 1 (box)
Container 1 (folder)

1956
box-folder 1 (box)
Container 2 (folder)

1957
box-folder 1 (box)
Container 3 (folder)

1958
box-folder 1 (box)
Container 4 (folder)

1959
box-folder 1 (box)
Container 5 (folder)

1960
box-folder 1 (box)
Container 6 (folder)

1962
box-folder 1 (box)
Container 7 (folder)

1963 (3 folders)
box-folder 1 (box)
Container 8-10 (folder)

1964 (2 folders)
box-folder 1 (box)
Container 11-12 (folder)

1965 (4 folders)
box-folder 1 (box)
Container 13-16 (folder)

1966 (2 folders)
box-folder 1 (box)
Container 17-18 (folder)

1967 (2 folders)
box-folder 1 (box)
Container 19-20 (folder)

1968 (4 folders)
box-folder 1 (box)
Container 21-24 (folder)

1969 (2 folders)
box-folder 1 (box)
Container 25-26 (folder)

1970 (4 folders)
box-folder 1 (box)
Container 27-30 (folder)

1971 (2 folders)
box-folder 1 (box)
Container 31-32 (folder)

1972
box-folder 1 (box)
Container 33 (folder)

1973
box-folder 1 (box)
Container 34 (folder)

1974
box-folder 1 (box)
Container 35 (folder)

1975
box-folder 1 (box)

Container 36 (folder)

1976
box-folder 1 (box)
Container 37 (folder)

1979
box-folder 1 (box)
Container 38 (folder)

1980
box-folder 1 (box)
Container 39 (folder)

1983
box-folder 1 (box)
Container 40 (folder)

1984
box-folder 1 (box)
Container 41 (folder)

1993
box-folder 1 (box)
Container 42 (folder)

Series II. Papers
Unit Date 1933-1992

The American Physical Society Nomination For Fellowship- Blank Forms
box-folder 2 (box)
Container 1 (folder)

Annual Reports by Collins Group
box-folder 2 (box)
Container 2 (folder)

Budget Justification Schedules
Unit Date 1965-1966
box-folder 2 (box)
Container 3 (folder)

"Climates of Virginia" By Curtis W. Crockett, United States Department of Commerce Publication
Unit Date 1971
box-folder 2 (box)
Container 4 (folder)

Commonwealth of Virginia Employee Group Hospitalization and Medical-Surgical Program Sample Enrollment Form
Unit Date 1972
box-folder 2 (box)
Container 5 (folder)

"Computer Controlled Systems" by George Collins
box-folder 2 (box)
Container 6 (folder)

George B. Collins Resume and Curriculum Vitae
box-folder 2 (box)
Container 7 (folder)

"Increasing the Physics Output of the A.G.S" by George B. Collins
box-folder 2 (box)
Container 8 (folder)

"Interpretation of Highly Inelastic Proton- Proton Interactions at 10, 20, and 30 BeV/c" by E.W. Anderson and George Collins
box-folder 2 (box)
Container 9 (folder)

Manuscript for 1992 Speech at Notre Dame
Unit Date 1992
box-folder 2 (box)
Container 10 (folder)

Photographs
Unit Date undated
box-folder 2 (box)
Container 11 (folder)

Proposal ISR at CERN
Unit Date 1971
box-folder 2 (box)
Container 12 (folder)

Reference Forms for Students by G.B. Collins (Copies)
box-folder 2 (box)
Container 13 (folder)

"Report on Foreign Travel"
Unit Date 1965-11
box-folder 2 (box)
Container 14 (folder)

"Report on Trip of George B. Collins to Russia and Europe"
Unit Date 1958-07-11-1959-08-01
box-folder 2 (box)
Container 15 (folder)

"Report on Visit to Institute of Atomic Physics at Bucharest, Romania" by George Collins and Rodney Cool

box-folder 2 (box)

Container 16 (folder)

"Research Proposal to the Division of Research of the Atomic Energy Commission" University of Massachusetts, Amherst

box-folder 2 (box)

Container 17 (folder)

"Revision of Proposal to Search for Multigamma From Magnetic Monopole Pairs

box-folder 2 (box)

Container 18 (folder)

"Search for Multiphoton Events From Proton- Nuclei Interactions at 300 GeV/c+- A Submission for Physical Review"

box-folder 2 (box)

Container 19 (folder)

"The Small Distance Frontier" by George B. Collins

box-folder 2 (box)

Container 20 (folder)

Travel Vouchers

box-folder 2 (box)

Container 21 (folder)

University of Notre Dame Class Record Book

Unit Date 1933-1940

box-folder 2 (box)

Container 22 (folder)

W. Peter Trower- Resume, Curriculum Vitae, and Press Biography

box-folder 2 (box)

Container 23 (folder)

Series III: Artifacts

Unit Date 1992, undated

"No Smoking" sign. Signed by George Collins

Unit Date undated

box 3

Framed photograph of Collins and physics colleagues. Pictured from left to right is A. Salam, Robert F. Bacher, Isidor Rabi, George Collins, and W.M. Powell

Unit Date undated

box 3

University of Notre Dame Nuclear Physics Reunion Poster

Unit Date 1992

oversize 1 (folder)