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# Guide to the Kenneth C. Schraut papers

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# **Guide to the Kenneth C. Schraut papers, 1929-1993**

## **UASC.026**

**Finding aid prepared by Rachel DeHart**

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September 27, 2012

Describing Archives: A Content Standard

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## Summary Information

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<b>Repository</b>	University Archives and Special Collections
<b>Creator</b>	Schraut , Kenneth C., (Kenneth Charles,), 1913-1997
<b>Title</b>	Kenneth C. Shraut papers
<b>Date [inclusive]</b>	1929-1993
<b>Extent</b>	8.5 Linear feet (13 boxes)
<b>Language</b>	English
<b>Abstract</b>	Faculty papers of Dr. Kenneth C. Schraut, professor of mathematics at the University of Dayton from 1940-1993. The materials include subject files, correspondence, memorabilia, scrapbooks, and books.

### Preferred Citation

[Item title]. Kenneth C. Schraut papers, 1929-1993. University Archives and Special Collections, University of Dayton Libraries, Dayton, Ohio.

## Biography of Kenneth C. Schraut

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Kenneth Charles Schraut was a professor of mathematics at the University of Dayton for over 50 years. He was born in Hillsboro, Illinois, on May 19, 1913. At the University of Illinois, where he graduated with a bachelor's degree in mathematics in 1936, he was a member of the honorary fraternity Phi Nu Epsilon. He earned both a master's degree (1938) and a Ph.D. (1940) from the University of Cincinnati.

Dr. Schraut was a visiting instructor at the University of Notre Dame in the summer of 1940 before coming to UD in the fall. He taught full-time at UD from 1940-1978 and continued teaching part-time from 1978-1993. Schraut was chairman of the Mathematics Department from 1954-1970 and founded a summer institute for high school mathematics teachers on campus. He taught math classes to business and pre-medical students, along with algebra, trigonometry, calculus, and advanced engineering mathematics. Schraut established the UD chapter of Pi Mu Epsilon (National Mathematics Honor Society) and was an advisor for pre-medicine students.

Among his most notable accomplishments was his pioneering work with what became the University of Dayton Research Institute. In 1949, Schraut and his top 10 math students received a \$10,200 contract from Wright-Patterson Air Force Base (WPAFB) to analyze or "reduce" aircraft flight load data. This project, which became known as Project Globe, was followed by a second data reduction contract for \$25,000. From 1951-1952, Dr. Schraut directed the expansion of research efforts at UD. In 1952, he began Project Delta, recruiting full-time professional researchers for nuclear weapons effects research. From these beginnings, sponsored research at UD grew to \$1 million by 1956 and on September 1 of that year, UD Research Institute was formally established.

Dr. Schraut's civic and professional activities included the American Math Society; the Math Association of America; the American Society for Engineering Education, for which he was chairman of the Math Division; the American Association of University Professors; the Metropolitan Dayton Honors Society; and the National Science Foundation Summer Institute, which he directed in 1959 and 1961-1967.

For his contributions to the University, Dr. Schraut received the first distinguished service professor award in 1972 and the Lackner Award in 1987. On May 9, 1992, the University of Dayton held an event to celebrate his career of over 50 years. Dr. Schraut died on October 29, 1997 at the age of 84.

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## Scope and Contents

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The Kenneth C. Schraut papers include Dr. Schraut's files on the UD Mathematics Department, the American Society for Engineering Education (ASEE), the financial aid workshop for pre-medicine students that he organized on campus throughout the 1980s and early 1990s, the National Science

Foundation Summer Institute for Mathematics Teachers that he directed in Puerto Rico in 1959, and other subjects related to his career as a mathematics professor and department chair at the University of Dayton.

The collection also includes correspondence (arranged alphabetically by last name), six books, 35mm slides, memorabilia, scrapbooks, posters, and one VHS tape. As much as possible, the original folder titles were retained in the processed collection.

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## Arrangement

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The Kenneth C. Schraut papers are arranged into four series.

Series 1: Subject files

Series 2: Correspondence

Series 3: Memorabilia and oversize materials

Series 4: Books

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## Administrative Information

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### Publication Information

University Archives and Special Collections, 2010

### Access to Materials

This collection is open and available to the public for research in the University Archives and Special Collections reading room. The materials are non-circulating.

### Copyright Notice

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### Acquisition Information

The University Archives and Special Collections acquired the Kenneth C. Schraut papers in accession 1993-006 on April 30, 1993 and in accession 2000-010.

## Processing Information

The Kenneth C. Schraut papers were processed in December 2010 by Rachel DeHart.

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## Related Materials

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### Related Material

Dept. of Mathematics records. University Archives and Special Collections, University of Dayton Libraries, Dayton, Ohio.

Mathematics Club records. University Archives and Special Collections, University of Dayton Libraries, Dayton, Ohio.

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## Search Terms

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### Corporate Name(s)

- National Mathematics Honor Society of Secondary Schools
- University of Dayton. Dept. of Mathematics

### Personal Name(s)

- Schraut , Kenneth C., (Kenneth Charles,), 1913-1997

### Subject(s)

- College teachers--Ohio--Dayton
- Mathematics

- Universities and colleges--Faculty
- University of Dayton--Faculty



## Collection Inventory

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### Series 1: Subject files, 1929-1993

#### Scope and Contents note

Files pertaining to Schraut's career in the Dept. of Mathematics at the University of Dayton and his involvement in professional organizations such as the American Society for Engineering Education, of which he was chairman of the Mathematics Division. There are several folders pertaining to the National Science Foundation Summer Institute, which Dr. Schraut directed at the Catholic University of Puerto Rico in 1959, and the MODOP Financial Aid Workshop Dr. Schraut organized for several years for pre-medicine students. This series also contains UD publications and brochures and Schraut's personal writings, summaries of professional activities, and award information.

Box	Folder	
1	1	A Look at College Day, 1951-1955
		A Tribute to Dr. Kenneth C. Schraut, May 9, 1992
Box	Folder	
1	2	Abel radio program, undated
1	3	Academic freedom and tenure, 1978
1	4	Addresses to UD faculty, 1967-1978
1	5	American Society for Engineering Education (ASEE), 1966
1	6	American Society for Engineering Education (ASEE), 1967
1	7	American Society for Engineering Education (ASEE), 1968
1	8	American Society for Engineering Education (ASEE), 1969-1971
1	9	American Society for Engineering Education (ASEE), 1972-1992
1	10	Augsburg, Germany, 1974
11	1	Biennial Alumni Seminar on Employment Opportunities in the Mathematical Sciences programs, 1966-1993
1	11	Bio 100, 1984-1992
1	12	Campbell, Emmet (Honorary degree candidate), 1987-1988
1	13	Campus Delecti, 1965-1967
1	14	Campus Ministry, 1971-1972
2	1	Centennial Convocation, 1950
2	2	Central Association of Advisors for Health Professionals (CAAHP) reports, 1976-1982
2	3	Course materials -- Exams, notes, 1942-1993
2	4	Curriculum for master teachers, 1961-1965
2	5	Dayton Power and Light Talent Search, 1964

2	6	Dept. of Mathematics, 1966-1992
2	7	Dept. of Mathematics brochures, undated
2	8	Dept. of Mathematics reports, 1977-1983
2	9	Dept. of Mathematics -- Summer Institute, 1962-1971
2	10	Dept. of Mathematics -- Summer Institute, 1972-1973
2	11	Engineering Guidance Committee, 1970
2	12	Examinations, 1939-1973
3	1	Faculty affairs brochures, 1967-1992
3	2-3	Faculty Handbook, 1988
3	4	Faculty Hearing Committee, 1973, 1975
3	5	Focus publication, 1968-1969
3	6	Freshman Advisor's Handbook, 1969-1989
3	7	Health Professionals Educational Assistance Act of 1976, 1976
3	8	Honorary Degree Committee, 1959-1977
4	1	Honors Convocation, 1970
4	2	K.C. Schraut personal materials, 1945-1992
4	3	Lackner Award, 1987
4	4	Libyan-Arab Student Club, 1977
4	5	Marianist booklets and directories, 1943-1982
4	6	Marianist Institute paper, 1954
4	7	Mathematics Club, [1950s]
11	2	Mathematics Club annual bulletin, 1947-1948, 1949-1950
4	8	Mathescope (The National Mathematics Honor Society newsletter), 1959-1960
4	9	Miscellaneous University of Dayton materials, 1963-1992
4	10	MODOP (Medical, Osteopathic, Dental, Optometric, Poodiatric) Financial Aid Workshop, 1980-1983
5	1	MODOP (Medical, Osteopathic, Dental, Optometric, Poodiatric) Financial Aid Workshop, 1984-1986
5	2	MODOP (Medical, Osteopathic, Dental, Optometric, Poodiatric) Financial Aid Workshop, 1987-1989
5	3	MODOP (Medical, Osteopathic, Dental, Optometric, Poodiatric) Financial Aid Workshop, 1990-1993
5	4	Mu Alpha Theta (National High School and Junior College Mathematics Club), 1964-1970
5	5	National Mathematics Honor Society of Secondary Schools, 1949
11	3	National Mathematics Honor Society of Secondary Schools bulletins, 1947-1949
11	4	National Mathematics Honor Society of Secondary Schools bulletins, 1949-1950
11	5	National Mathematics Honor Society of Secondary Schools bulletins, 1951-1952
11	6	National Mathematics Honor Society of Secondary Schools bulletins, 1953-1955

5	6	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Administration, 1959
6	1	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Administration, 1959
6	2	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Algebra, 1959
6	3	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Budget, 1959
6	4	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Bulletin of The Catholic University of Puerto Rico, 1959
6	5	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Ledger, 1959
6	6	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Receipts, 1959
6	7	National Science Foundation Summer Institute for Mathematics Teachers, Puerto Rico - Stationary for Summer Institute, Marianist Centennial, 1959
6	8	Paper -- Modified Series, 1939
6	9	Philosophy controversy, 1963-1964
6	10	Philosophy of Science paper, undated
6	11	Physical Activities Center (PAC), 1975
6	12	President's reports and events, 1966-1979
6	13	Professional activities, 1978-1979
6	14	Promotions Committee, 1968-1973
7	1	Puerto Rico, Catholic University, Summer 1960
7	2	St. Louis Alumni Campaign, 1986
7	3	Stuart Hall, 1969
7	4	Student Development, 1979-1982
7	5	Student Handbook, 1992-1993
7	6	UD Alumnus publication, 1929-1969
7	7	University of Dayton, 1946-1982
7	8	University of Dayton brochures, 1959, 1972, undated
7	9	University of Dayton building brochures, 1950-1974
12	1	University of Dayton Exponent publication, 1943-1945
7	10	University of Dayton Research Institute (UDRI) reports, 1957-1981
7	11	University of Dayton Self-Survey Supplement, May 1964
12	2	University of Dayton yearbooks, 1945, 1976
7	12	WLW radio program, 1949

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## Series 2: Correspondence, 1944-1991

### Scope and Contents note

Correspondence files, organized alphabetically.

Box	Folder	
8	1	Archdeacon, Dr. E.E., 1964
8	2	Barnett, I.A., 1945-1974
8	3	Brzozowski, Thomas H., 1965-1966
8	4	Buescher, Dr. Edward L., 1962-1987 Christmas letters, 1950-1991
Box	Folder	
8	5	Cole, Rev. William, S.M., 1982-1990
8	6	Fitz, Bro. Raymond, S.M., 1980-1991
8	7	Fitzgibbons, William P., 1945-1950
8	8	Foresti, Dr. Roy, Jr., 1962
8	9	Griffin, John Dennis, 1946-1972
8	10	Heft, Rev. James, S.M., 1981-1988
8	11	Hood, Fr. Henry J., S.M., 1963
8	12	Knachel, Dr. Howard C., 1986
8	13	Knowlan, Dr. Donald Michael, 1983
8	14	Ledford, Lt. Gen. Frank, 1989
8	15	Lees, Rev. Charles J., S.M., 1966-1981
8	16	Mathematicians, 1946-1964
8	17	Memos to pre-professional health students and their advisors, 1976-1984
8	18	Memos to S-12 Program students and their advisors, 1977, 1982
8	19	Mervar, Bro. Joseph J., S.M., 1975-1984
8	20	Mueller, Jim, 1988
8	21	Nixon, Richard, 1960
9	1	Pepper, Prof. Paul M., 1946-1961
9	2	Roesch, Fr. Raymond A., S.M., 1971-1990
9	3	Stanley, Very Rev. Thomas A., S.M., 1968-1969
9	4	Sulzer, Robert D., 1976
9	5	Wohlleben, William J., 1953

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## Series 3: Memorabilia and oversize materials, 1941-1993

**Scope and Contents note**

Memorabilia of the National Mathematics Honor Society, 35mm slides, photographs, scrapbooks, posters, and a VHS tape belonging to Dr. Schraut.

Box	Folder	
10	1	35mm slides, January 1968 (15 slides)
10	2	Letter opener (UD) and Don Donoher medal, undated (15 slides)
10	3	National Mathematics Honor Society membership cards, undated
10	4	National Mathematics Honor Society pins, undated (15 pins)
10		National Mathematics Honor Society stamp press, undated
	Folder	
12	3	Photographs, 1942-circa 1950s
10	5-6	Stamps, undated (7 stamps)
10	7	Scrapbook materials, undated
10		Students At-Risk: Addressing the Problem, 1989 (VHS tape)
13		Mathematics Club scrapbook, 1941-1949
13		MODVOP (Medical Osteopathic, Dental, Veterinary, Optometric, Podiatric) Financial Aid Workshop posters, 1982-1993

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**Series 4: Books, 1939-1972**
**Scope and Contents note**

Books owned by K.C. Schraut, including three professional directories in which he is mentioned.

*American Men of Science: A Biographical Directory*, 1944

Baumeister, Edmund J. *Secondary Education of the Society of Mary in America*, 1939

Embry, Schell, and Thomas. *Calculus and Linear Algebra: An Integrated Approach*, 1972

*Outstanding Educators of America*, 1972

*Who's Who in America*, Vol. 33, 1964-1965

*Who's Who in American Education*, Vol. 13, 1947-1948