



MC 29

Samuel R. Scholes

Head of Department of Glass Technology,
NYSCC

Established first glass science program in the
United States at NYSCC

Collection:

Box 1

Acquisition:

Processed: Susan Strong

Box 2

Acquisition: Bel Aldrich, 1988

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Acquisition: Office of Continuing Education

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The New York State College of Ceramics at Alfred University, Scholes Library

Samuel Ray Scholes

(1884-1974)

Born: January 22, 1884, Marquette, Wisconsin

Died: August 16, 1974, Hornell, New York

Married: 1914, Lois Elizabeth Boren

Children: Samuel R. Scholes, Addison B., James B., Ann (Colvin).

Education:

1905 Ripon College, BA

1908-11 Yale University, Ph.D. (Chemistry). Loomis Fellow.

Work:

1905-1908 Instructor, Wausau, Wisconsin, High School

1911-13 Research Fellow, Mellon Institute

1913-20 Chemist, H. C. Fry Glass Co.

1914-17 Assistant Director, Mellon Institute

1918-20 Professor, Chemistry, Geneva College

1920-21 Manager, Utility Glass Works.

1921-29 Chemist, Federal Glass Co.

1925-26 Lecturer, Ohio State

1929-31 Technical Director, Fostoria Glass Co.

1931-32 Chemist, Federal Glass Co.

1932-1946 Head of Department of Glass Technology, Professor of Glass Science. Established first glass science program in the United States at the College of Ceramics (1932).

1946-48 Dean

1948-52 Associate Dean, Retired in 1952

Honors/Societies:

1931 American Ceramic Society, Fellow

1940 Society of Glass Technology, Fellow

1952 Albert Victor Bleining Memorial Award

Honorary Degree, Doctor of Science, Alfred University

1957 Honorary Membership, Keramos

1958 Honorary Membership, American Ceramic Society

Publications:

- 1935 *Modern Glass Practice. Industrial Publications, Chicago, 1935, 1937, 1941, 1946 printings. Revised edition 1948, 1952. Completely revised and enlarged by Charles H. Greene (7th edition), CBI Publishing, Boston, 1975.*
- 1937 *Glass Tank Furnaces.* Edited and translated with Franz Edouard Vaerewyck book by Rene William Devillers. First edition lithoprinted, Ogden Watney Publishers, New York, 1937. Revised edition, Ogden, New York, 1947, 1950 printings.
- 1941 *Handbook of the Glass Industry; A Book of Reference for the Factory Engineer, Chemist and Plant Executive.* Editor. Ogden-Watney Publishers, New York, 1941. Substantially revised by Fay VaNisle Tooley, ed. and published as *Handbook of Glass Manufacture; A Book of Reference for the Plant Executive, Technologist and Engineer.* Ogden Publishers, New York, 1953, 1957, 1960 printings.
- 1953 *Opportunities in Ceramics.* Vocational Guidance Manuals, New York, 1953.

Series Descriptions

Material about the Scholes Lecture Award (1974- 1994). Information is also filed as received in the Center for Glass Research Series, MC 37, Box 1.

Samuel R. Scholes Scholars

| | |
|---------|--------------------|
| 1986-87 | Heide Osgood |
| 1987-88 | James E, Neely III |
| 1988-89 | Steven R. Reis |
| 1989-90 | Michael Lance |
| 1990-91 | Ronald Wright |
| 1991-92 | Stephen Carl Beers |
| 1992-93 | Anil Jain |
| 1993-94 | Joshua Jacobs |
| 1994-95 | Molly Kyser |
| 1995-96 | Daniel Edson |
| 1996-97 | Michelle Korwin |
| 1997-98 | Shandon Hart |
| 1998-99 | Jonathan Pierce |
| 1998-99 | John Mauro |
| 1999-00 | David Fogelman |
| 2000-01 | Jennifer Shuler |
| 2001-02 | Christina Deitch |
| 2002-03 | Stephen Sanford |
| 2003-04 | Timothy Nedimyer |
| 2004-05 | Patrick Kreski |
| 2005-06 | Julian Carpenter |
| 2006-07 | Alex Weller |
| 2007-08 | Zachary Egidi |
| 2008-09 | Marissa Tousley |
| 2009-10 | Braeden Clark |
| 2010-11 | Samuel Miller |

2011-12 Dianne Mattar

Collection

Box 1

Honors received by Samuel Scholes

| Year | Honor |
|------|---|
| 1931 | Fellow of the Society/American Ceramic Society |
| 1952 | Albert Victor Bleining Memorial Award - Medal |
| 1958 | Honorary Membership/American Ceramic Society |
| 1964 | 80th Birthday/American Ceramic Society |
| 1940 | Fellow of the Society/Society of Glass Technology |
| 1952 | Doctor of Science/Alfred University |
| 1957 | Honorary Membership/Keramos Honorary Membership/Keramos |
| ? | Greaves-Walker Roll of Honor/Keramos |
| 1970 | 65 Years/The Grand Lodge of Free and Accepted Masons of the State of New York |

Publications:

| Year | Title |
|---------|--|
| 1955 | <u>Survey of scientific research institutions of the Government of India.</u> Acita Panel Report No. 9. |
| 1949 | "Opportunities in the glass industries." Reprinted from <u>School and College Placement</u> , Vol. 9, No. 3, March 1949. |
| 1953 | <u>Opportunities in ceramics.</u> New York: Vocational Guidance Manuals, 1953 |
| 1964 | <u>Earth and fire.</u> Alfred, NY: State University of New York College of Ceramics, 1964. |
| 1966-70 | <u>Sunspots.</u> (1966-1970) |
| 1975 | <u>Light rays and reflections.</u> (1975) |

Poetry collection.

Box 2

Biographical Information. Photographs.

Scholes Lecture Fund correspondence (1979-1988)

1964 Program: Samuel Ray Scholes Lectureship for Recognition of Excellence in Scientific Research: (Dr. H. O. Burdick, lecturer).

Note: Dr. Scholes gave the first lecture (*A Glassmaker Looks at the Periodic Table of Elements.*) The Lectureship was established by the Sigma Xi local chapter in honor of Dr. Scholes, their first president.

Scholes Lectures:

| Year | |
|---------|---|
| 1982-84 | 1982, April 16. Gardner, Paul V. <u>Highlights of glass history.</u> Program, poster. P.V.G's biographical data. News clip. 1983, April 14. Labino, Dominick. <u>Working with hot glass.</u> Program, audiotape. 1984. Kreidl, Norbert. Obituary (+ text of presentation for honorary degree) |
| 1985 | 1985. Simon, Herbert A. <u>Scientific Decision Making and Artificial Intelligence.</u> Correspondence, bio. |
| 1986-88 | 1986. Schultz, Peter C. <u>Optical fiber technology: Status and trends.</u> Invitation. 1987. <i>Hench, Larry L.</i> 1988. Stookey, S. Donald. <u>Exploring the Hidden Mysteries of Glass.</u> Correspondence. |
| 1989 | 1989. Ernsberger, Frederick M. <u>Pathological Science.</u> Abstract. |
| 1990-91 | 1990, April 5. Bray, Philip James. <u>Magnetic resonance studies of glass structure.</u> Program. 1991, April 18. Rossington, Dr. David R. <u>Choices for engineers: responsibilities in a technical word.</u> Program. Lecture notes. |
| 1992 | 1992, April 23. Porai-Koshits, Evgenii A. <u>Diffraction studies of glass structure and their application.</u> Program, invitation. Text of lecture, translated and edited by Margaret Byrd Adams and Adrian C. Wright. |

- 1993-97 | 1993, April 15. Cooper, Alfred R. Phenomenology of the glass transition. Program, invitation, bio.
- 1994, April 14. Dreisbach, Fritz. A fusion of art and science. Program, invitation, CV, handwritten notes, press release.
- 1995, March 30. Mackenzie, John Douglas. Present and future of sol-gel science and technology. Program, slides, video
- 1996, April 11. Doremus, Robert H. Optical properties of small particles of metals and semiconductors in glasses. Program, video.
- 1997, April 17. Dey, Dalbert E. Fascinating Applications of glass microspheres in medicine. Program, invitation, video, paper.
- 1998-04 | 1998, April 16. Sewell, Peter. Beneath the surface. Program, invitation, video, talk.
- 1999, April 22. Brill, Robert H. Glass from the silk road. Program, abstract, CV, video.
- Dedication of the Hall of Glass Science and Engineering. Program
- The Inaugural Lecture of the Van Derck Frechette Professor of Ceramic Science. Cormack, Alastair. Ceramic science through the computer: An atom's eye view. Program.
- 2000, April 13. Jantzen, Carol M. A touch of glass: A remedy for the global materials cycle.. Program, invitation, video.
- 2001, April 19. Schaeffer, Helmut. Scientific and technological challenges of industrial glass melting. Program, invitation, bio, publicity.
- 2002, April 18. Walt, David R. High density optical fiber arrays as platforms for chemical sensing. Program, invitation.
- 2003, April 10. Beall, Dr. George H. Exploratory research in the glass industry: a geologist's perspective. Program, video.
- 2004, April 8. Campbell, Dr. John H. The challenge of developing & manufacturing optics for the world's largest laser. Invitation, program
- 2005-10 | 2005, April 7. Pye, Dr. L. David. History of Glass Science at Alfred University. Invitation, program, video.
- 2006, April 27. Wright, Adrian C. Glass: Genesis to Apocalypse. Invitation, program

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|---------|--|
| | 2007, March 29. Moynihan, Dr.Cornelius T. <u>The Nature of the Glass Transition.</u> Program |
| | 2008, March 27. Richardson, Kathleen. <u>Design, Fabrication and Integration of High Index Contrast (HIC) Chalcogenide Glass Waveguides on a Silicon Platform.</u> Program |
| | 2009, April 16. Brow, Richard K. <u>Engineering the Random Network: Scenes from One Career (So Far) in Glass Science.</u> Program |
| | 2010, April 15. Shelby, James E. <u>Applications of Hollow Glass Microspheres.</u> Program |
| 2011-12 | 2011, April 28. Jain, Himanshu. <u>Glass in Action, Action in Glass.</u> Program |
| | 2012, April 19. Ellison, Adam J. <u>Glass Breaks: Why?.</u> Program |

Box 3

Audio/Tapes:

| Year | Title |
|------|---|
| 1983 | April 14. Labino, Dominick. <u>Working with hot glass.</u> [Audiocassette]. |
| 1995 | March 30. Mackenzie, John Douglas. <u>Present and future of sol-gel science and technology.</u> |
| 1996 | April 11. Doremus, Robert H. <u>Optical properties of small particles of metals and semiconductors in glasses.</u> |
| 1997 | April 17. Dey, Dalbert E. <u>Fascinating Applications of glass microspheres in medicine.</u> |
| 1998 | April 16. Sewell, Peter. <u>Beneath the surface.</u> |
| 1999 | April 22. Brill, Robert H. <u>Glass from the silk road.</u> Dedication of the Hall of Glass Science and Engineering. The Inaugural Lecture of the Van Derck Frechette Professor of Ceramic Science. |
| 2000 | April 13. Jantzen, Carol M. <u>A touch of glass: A remedy for the global materials cycle.</u> |
| 2003 | April 10. Beall, Dr. George H. <u>Exploratory research in the glass industry: a geologist's perspective.</u> |
| 2004 | No tape available |
| 2005 | April 7. Pye L. David. <u>History of Glass Science at Alfred University.</u> |

2006 | April 27. Wright, Adrian C. Glass: Genesis to Apocalypse. [CD]