This document contains my understanding and agreement with Chemical Heritage Foundation with respect to my participation in a tape-recorded interview conducted by Robert V. Williams on June 9, 1997.

I have read the transcript supplied by Chemical Heritage Foundation.

1. The tapes, corrected transcript, photographs, and memorabilia (collectively called the "Work") will be maintained by Chemical Heritage Foundation and made available in accordance with general policies for research and other scholarly purposes.

2. I hereby grant, assign, and transfer to Chemical Heritage Foundation all right, title, and interest in the Work, including the literary rights and the copyright, except that I shall retain the right to copy, use, and publish the Work in part or in full until my death.

3. The manuscript may be read and the tape(s) heard by scholars approved by Chemical Heritage Foundation subject to the restrictions listed below. The scholar pledges not to quote from, cite, or reproduce by any means this material except with the written permission of Chemical Heritage Foundation.

4. I wish to place the conditions that I have checked below upon the use of this interview. I understand that Chemical Heritage Foundation will enforce my wishes until the time of my death, when any restrictions will be removed.

   a. [ ] No restrictions for access.
   
   NOTE: Users citing this interview for purposes of publication are obliged under the terms of the Chemical Heritage Foundation Oral History Program to obtain permission from Chemical Heritage Foundation, Philadelphia, PA.

   b. [ ] My permission required to quote, cite, or reproduce.

   c. [ ] My permission required for access to the entire document and all tapes.

This constitutes my entire and complete understanding.

(Signature) [Signature]

(Date) September 10, 1998
CLAIRE K. SCHULTZ

1924 Born in Etters, Pennsylvania on November 17

Education
1944 B.S., chemistry and biology, minor in mathematics, Juniata College
1952 M.S., library science, Drexel University

Professional Experience
Wistar Institute of Anatomy and Biology
1946-1948 Research Associate

Merck Sharp & Dohme Research Laboratories
1949-1957 Librarian

Sperry Rand Univac Corporation
1958-1961 Senior Systems Analyst

Institute for the Advancement of Medical Communication
1961-1970 Research Scientist

Drexel University
1961-1970 Associate Professor of Information Science

1970-1972 Freelance Consultant

Medical College of Pennsylvania
1973-1982 Professor of Information Science and Director of Libraries

Honors
1980 Award of Merit, American Society for Information Science
ABSTRACT

Claire K. Schultz begins the interview by discussing her childhood in south central Pennsylvania. Raised primarily by her father and grandmother, Schultz dreamed of becoming a doctor from a young age. Inspired by her grandmother’s belief in her abilities, Schultz graduated from Juniata College in three years, and went on to medical school after a year of work in the Philadelphia State Hospital. Forced to leave medical school by the birth of her first child, Schultz went on to a job as a research assistant at the Wistar Institute of Anatomy and Biology, and then to Merck Sharp & Dohme [MSD], where she held her first position in a library. Schultz’s interest in information retrieval began at Merck Sharp & Dohme Research Laboratory, where she met Calvin Mooers. After talking to Mooers about his ideas regarding information retrieval, Schultz joined forces with Robert Ford, of MSD’s Pharmacology Lab, and began a campaign to get an IBM 101 system at Merck Sharp & Dohme. Schultz wrote her master’s thesis at Drexel University in Library Science on the MSD library system. While working at MSD, Schultz met John Mauchly, Eugene Garfield, and Peter Luhn. As one of the pioneer documentalists, Schultz worked at Sperry Rand Univac Corporation, and later at the Institute for the Advancement of Medical Communication, and taught various courses on information science at Drexel University and at the Medical College of Pennsylvania. Schultz closes her interview with anecdotes about her post-retirement hobbies, and her work as a computer consultant in a local elementary school.

INTERVIEWER

Robert V. Williams is a professor of library and information science at the University of South Carolina. He holds a Ph.D. in library and information studies from the University of Wisconsin, Madison; an MS in library and information science from Florida State University; and an MA in history from New York University. Before joining the University of South Carolina in 1978, he was an archivist and information services manager for the Ford Foundation, and the Georgia Department of Archives and History. Williams has also been an information consultant for various organizations including Appalachian Council of Governments of Greenville, South Carolina and Pontifical Catholic University Madre y Maestra, Dominican Republic. He came to the Chemical Heritage Foundation as the Eugene Garfield Fellow in the History of Scientific Information in 1997. He is a member of the South Carolina Historical Records Advisory Board, the American Library Association (ALA), and the American Society for Information Science (ASIS), where he served as chair of ASIS History and Foundations of Information Science Special Interest Group in 1994-1995. Williams is also a member of the Special Libraries Association (SLA) and Chair of the SLA Membership Committee. Williams has numerous publications on the historical role of information science.
# TABLE OF CONTENTS

1  Family Background and Early Education  

5  College Education and Medical School  

10 Early Career  

25 Information Scientist  

49 “Retirement” and Beyond  
   Work as EMT. Sailing with husband. Caring for grandchildren. Volunteer computer assistant at local elementary school. Reflections on career.

61 Notes

63 Index
NOTES


INDEX

A
Adkinson, Burton W., 54
American Chemical Society (ACS), 15, 18, 56
   Chemical Literature Division, 15, 18, 56
American Documentalist, 54, 61-62
   Annual Review of Information Science and Technology, 54
American Documentation Institute (ADI), 24-25, 28-30, 34-35, 40, 42, 44, 41-54
American Medical Association, 41
American Society for Information Science (ASIS), 53
American Society of Metals, 55
Annapolis, Maryland, 50
Arizona, University of, 56
Armed Forces Technical Information Agency (ASTIA), 31, 35-36, 44, 53, 55
Armonk, New York, 19
Atlantic City, New Jersey, 42
Atomic Energy Commission, 41

B
Baltimore, Maryland, 2, 20, 53
Barnes, Richard, 24
Bayer Fabrique, 41
Bethesda, Maryland, 35, 39, 41-42
Beyer, Karl, 16
Biological Abstracts, 13
Bonn, Germany, 41
Boolean logic, 15, 21-22, 35, 55
Bourne, Charles, 38, 40
Budapest, Hungary, 41
Bybber Friends Meeting House, 9

C
Cambridge, Massachusetts, 48
Cardiovascular Indexing Project, 32
Carlisle, Pennsylvania, 5
Case Western Reserve University, 25, 38, 55
CBS Corporation, 34
Charles Babbage Institute, 18, 26, 54, 56
Chemical Abstracts, 13
Chemical and Engineering News, 15, 19
Clark, Jo, 39
Cleverdon, C. W., 53, 62
Cologne, Germany, 41
Commodore Company, 48
Cranfield studies, 53
Cronkite, Walter, 34
*Current Contents*, 31, 33

D
Danube River, 41
Davis, Charles, 26
Davis, Watson, 52-54
Defense Documentation Center (DDC), 44
Deere, John, 52
Department of Agriculture, 20
Documentation Inc., 30-31, 35
Dreiser, Theodore, 11
Drexel University, 13, 16, 18, 22-27, 42-46, 52
DuPont, E. I. de Nemours and Co., Inc., 18
Dyson, J. Malcom, 15, 19, 22

E
Eckert, Presper, 36
Etters, Pennsylvania, 1

F
Farris, Edmond J., 12
Faye, Marion, 7, 9, 47
Federal Bureau of Investigation (FBI), 34
Federation Internationale Documentation, 41
Federation of American Societies for Experimental Biology (FASEB), 35, 41-44
FASEB Proceedings, 42
Flood, Barbara, 25-26
Ford, Robert, 15-19, 21-22, 24, 52
Frankfurt, Germany, 41
Friends Service Committee, 7

G
Garfield, Eugene, 20, 31-34, 56, 59
Garrison, Guy, 25, 45
Garwig, Paul, 29
General Electric Company, 38-40
GE 125, 55
GE 250, 40
General Motors Corp., 28
Georgia Tech, 26
Glenolden, Pennsylvania, 13-14
Goldsboro, Pennsylvania, 1
Griffith, Belver, 26
Gull, Dake, 38
H
Hammond, William, 36, 55
Harcum Junior College, 13
Harrisburg, Pennsylvania, 2-3, 11
Harvey, John, 25-26
Heald, Heston, 35
Heilprin, Laurence, 54
Henderson, Madeline Berry, 56-57
Hyslop, Marjorie, 55

I
Index Medicus, 13, 39
Indiana University, 55
Institute for Scientific Information (ISI), 34
Garfield Associates, 34
Institute for the Advancement of Medical Communication (IAMC), 26-27, 35, 37, 41-43, 45-46
International Business Machines, Corp., 15, 17, 19, 22, 28, 40, 55, 57-58
IBM 101, 15-20, 22, 55
International Conference on Scientific Information, 41, 57

J
Jackson, Eugene, 28-29
Journal of the American Society for Information Science (JASIS), 30
Johns Hopkins University, The, 20, 30
Johns Hopkins Hospital, 2
Juniata College, 5-8, 22

K
Kaiser, John, 52
Kaskey, Gilbert, 36-37
Kehl, Margaret, 16, 22-23
Kent, Allen, 56
Knights of the Round Table, The, 12
KWIC Index, 31, 42, 57-58

L
Lancaster, Wilfred, 54
Lansdale, Pennsylvania, 21
Lee, Milton, 35, 41-43
Lehigh University, 52
Library of Congress, 20
Linglestown, Pennsylvania, 3
Lloyds of London, 32
Luhn, H. Peter, 15, 19, 28-29, 31-32, 54, 57, 59
Luhn Scanner, 15, 19
M
Mauchly, John W., 18, 20-21, 32, 34, 36-37, 52, 55
wife (Kay), 37
Mayo Clinic, Minnesota, 2
McBee cards, 22
Medical College of New Jersey, 46
Medical College of Pennsylvania, 46-47, 49
Medlars, 26, 31, 35-36, 38-40, 42, 45, 54-55
Merck Company, 13
Merck Sharp & Dohme, 21, 22, 24, 31-33, 35, 39, 49, 53, 56
Sharp and Dohme, 13-14, 17-21, 39
Minneapolis Honeywell 800, 40
Minnesota, University of, 18
Mooers, Calvin, 14-17, 35, 53
Moore, Florence, 47

N
Nacke, --, 40
National Bureau of Standards, 40, 57
National Institutes of Health (NIH), 38, 42, 44, 46
National Library of Medicine (NLM), 27, 31, 35-40, 42, 44
Subject Heading List, 31
National Office of Management and Budget (OMB), 40
National Research Council, 17, 40
Chemical-Biological Coordination Center, 17, 22
National Science Foundation (NSF), 40, 53-54, 56-57
New York City, New York, 43
Newman, Sy, 52

O
O’Connor, John J., 34
Office of Naval Research, 34
Office of Social and Rehabilitation Services, 49
Ohlman, Herbert, 57
Oller, Katherine, 26
Orr, Richard H., 36, 41-44

P
Pennsylvania, University of, 7-8, 18, 34
Library, 11
Wistar Institute of Anatomy and Biology, 12-13
Pennsylvania Railroad, 2
Perry, James W., 15, 18-19, 38, 45, 55-56
Pest, Hungary, 41
Philadelphia State Hospital, 7-9
Philadelphia, Pennsylvania, 7, 11, 13, 16, 18-21, 32-33, 43-47, 50
Photon, 40
Pittsburgh, Pennsylvania, 7
Pittsburgh, University of, 56
Poughkeepsie, New York, 15, 19
Procter and Gamble Company, 18
Punched Cards, 56

R
Rahway, New Jersey, 24, 32
Ramey, James, 26
Rapid Selector, 20
Remington Rand, 15, 17, 34, 36-37, 55, 57
   Remington Rand sorter, 15, 17-18, 22
   Remington Rand system, 17
Rogers, Brad, 36-38
Rutgers University, 46

S
Samuelson, Kjell, 41
Schultz, Claire K.
   daughter, 12
   father, 1-7, 9, 11
   grandchildren, 50-51
   grandfather, 1
   grandmother, 1-4, 11
   husband (Wally), 8-9, 11-14, 21, 27, 32-33, 37, 49-50
   mother, 1-5, 11-12
   son (Gareth), 12
   son (Gawain), 11-12
   son (Peter), 12
   son (Wallace II), 12
Schulz, Elsie, 18
Selective dissemination of information (SDI), 59
Sewell, Winnifred, 38-39
Shaw, Ralph R., 20-21
Shepherd, Clayton A., 34, 37, 55
Shera, Jesse, 25
Sherman, --, 9
Siegel, --, 47, 49
Smith, Reginald, 46
Special Libraries Association (SLA), 18-19, 24, 28-30, 39, 55
Sperry Rand, 20, 31, 34-38, 40-41, 43
Sputnik, 56
Squibb Pharmaceuticals, 39
Stevens, Mary Elizabeth, 57
Sun Oil Company, 20-21
Sutnick, --, 49

T
Taine, Seymour, 36-40
Taube, Mortimer, 20, 24, 30-31, 35
Taylor, Robert, 26, 52
Tell, Bjorn, 41
Three-Mile Island, Pennsylvania, 1
Tocatlian, Jacques, 45-46

U
U.S. Air Force, 55
   Office of Scientific Research, 34, 55
U.S. Census Bureau, 15
U.S. Coast Guard, 50
U.S. Navy, 7
U.S. Post Office, 34
UNESCO, 45
Uniterm system, 20, 30-31, 58
Univac, 32, 34-35, 43
   Univac Applications Research Center, 34, 36
   Univac I, 43
   Univac III, 40
Urban Institute, 49

V
Vatican, The, 60
Verwey, --, 14, 24

W
Wagner, --, 40-41
Wall, Eugene, 35
Washington, DC, 19, 22, 31-32, 35, 38, 41-43, 52, 57
Washington, University of, 44
Welch Library Conference, 20
Welt, Isaac, 32
Wertz, --, 5
West Point, Pennsylvania, 13, 24
Wilmington, North Carolina, 50
Wiswesser, William, 22
Women’s Medical College, Philadelphia, 7, 9
Wooster, Harold, 55
World War I, 2
World War II, 2, 6-7, 11, 15, 27, 58
Y
York, Pennsylvania, 1-4

Z
Zator system, 14, 16-17, 22