

Wolman (M. Gordon) 1924-2010
Papers 1913-2011
MS 554

Extent: 60 record center boxes
1 document box
2 oversize boxes

Location: Rare Books and Manuscripts
Sheridan Libraries
Johns Hopkins University

Processed by: Cynthia H. Requardt, May 2011

Provenance

The papers were donated by the Wolman family in 2011. The papers had been collected from Wolman's campus office in Ames Hall, several departmental storage areas, and his home.

Biographical Sketch

Markley Gordon Wolman was geomorphologist whose passion for his discipline, dedication to his work, and his uniquely creative ways of looking at problems, resulted in a wide-ranging career. According to the National Academy of Sciences memoir, he will be remembered for a career based on research and teaching methods that applied Earth science to questions of environmental management and public policy.¹ Among the many hats he wore were scientist, environmental activist, teacher and mentor, university administrator, and government advisor on the local, state, national and international level. For a chronology of Wolman's career, consult his curriculum vita in box 59.

Wolman was born in 1924 in Baltimore the son of Anne and Abel Wolman. His father was a sanitary engineer whose accomplishments ranged from developing chlorinated water, to designing water supply systems for cities throughout the world, to advising on the safe use of nuclear power. The younger Wolman, known throughout his life as Red, attended the Park School in Baltimore graduating in 1942. He began his college career at Haverford College, but left to join the U.S. Naval Reserves after his first semester. When discharged in 1946, Wolman enrolled at the Johns Hopkins University where his father was in the Department of Sanitary Engineering. Wolman graduated in 1949 with a degree in Geology and All-American Lacrosse honors. He then took an MA (1951) and PhD (1953) from Harvard University.

¹ DeFries, Ruth S. and Thomas Dunne. "Markley Gordon Wolman, 1924-2010." National Academy of Sciences *Biographical Memoir*. http://www.nasonline.org/site/DocServer/Wolman_M_Gordon.pdf?docID=74742

In 1951, Wolman embarked on a career of nearly 60 years that combined research, service to the profession, and educating the next generation of scientists.

Wolman took a position as a hydrologist at the U.S. Geological Survey working with Luna Leopold who had been a fellow student at Harvard. While at the Survey, Wolman authored or co-authored with Leopold several papers on river-channel morphology that broadened the earlier paradigm of the graded river. Much of this research was summarized in the textbook written by Leopold, Wolman and John Miller, *Fluvial Processes in Geomorphology* (1964) that remained the bible of the discipline for 20 years. In the 1960s Wolman's research focused on the sedimentation of stream channels in urban areas providing a base for regulation and channel restoration policies.

Wolman was not a prolific writer but his body of work was influential. A 2002 citation study noted that of the top ten most frequently cited papers in his field, four were authored or co-authored by Wolman. Topics of his influential papers include: energy; human response to flood hazard in developed and developing nations; water supply and human health; pollution of waterways; the management of large rivers; the transmission of water-borne diseases in tropical rivers; land degradation and soil productivity; water resources; and toxic waste disposal policies.

Wolman was committed to his profession and worked tirelessly in advancing the organizations and their work. His unique ability to frame important questions and organize a group to answer these questions made him a natural choice for the myriad committees, commissions and task forces on the local, national and international level on which he served or chaired throughout his career. He served the state of Maryland well serving on groups studying water quality standards, dredging the Baltimore Harbor, and the health of the Chesapeake Bay and its fisheries. A full list of the professional organizations he served is in Series 2 of this collection. Some include: Academy of Natural Sciences, the International Geological Congress, Institute for Cooperation in Environmental Management (ICEM), International Institute for Applied Systems Analysis (IIASA), Institute of Nuclear Power Operations (INPO), NRC Committee on Water Quality Policy, NRC Commission on Geosciences, Environment, and Resources (CGER), Resources for the Future, and the World Health Organization.

Wolman was elected to the three most prestigious and exclusive scientific bodies in the nation: National Academy of Sciences, American Academy of Arts and Sciences, and American Philosophical Society. His contributions to the profession were recognized by the many awards he received including: John Wesley Powell Award (USGS); Cullum Geographical Medal (AGS); Ian Campbell Medal (AGI); Penrose Medal (GSA); Horton Medal (AGU), and the Benjamin Franklin Medal in Earth and Environmental Science.

In 1958, Wolman returned to Johns Hopkins University where he stayed for the remainder of his career. He was hired as the chair of the Isaiah Bowman Department of Geography (TIBDOG) and oversaw the merger of this department with that of Sanitary Engineering into the Department of Geography and Environmental Engineering (DOGEE). Under his leadership (1970-90), DOGEE became one of the first and most

ambitious experiments in interdisciplinary research and education.

First and foremost, however, Wolman was a teacher, and widely accepted as an exceptional one. When honored with the Horton medal from the American Geophysical Union, the citation noted: “Arguable his most enduring legacy may be the generations of students he has taught over the years at Johns Hopkins...[H]is academic “family tree” included 47 children, 106 grandchildren, 17 great-grandchildren, and four great-great-grandchildren.” The key to his success was a combination of his infectious enthusiasm for his subject, his ability to pose questions that drew students into the subject and a personality that enjoyed interacting with people. There is a video that captures students and colleagues’ impression of Wolman on YouTube:

<http://www.youtube.com/watch?v=iB2e0Ei04pg>

Wolman was as eager to serve the university as he was his profession. In addition to serving as faculty member and department chair, Wolman served on many university committees from chairing the committee on undergraduate education during the turbulent 1960s, to serving on the advisory committees for the Center for Metropolitan Planning and Research, the Bloomberg School Department of Environmental Health, and the Center for a Livable Future. Twice Wolman made time for the demanding assignment of serving as interim Provost and Vice President for Academic Affairs (January-July 1987; March 1990-August 1991). The University honored Wolman for his many contributions. In 1995 there was “A Celebration of the Career of M. Gordon Wolman,” and he was awarded the President’s Medal of the Johns Hopkins University in 1995 and the Milton Stover Eisenhower Medal for Distinguished Service in 2005.

Wolman lived his life to the fullest and was still teaching, consulting, and active professionally at his death in February 2010.

Scope and Content Note

This collection documents the professional life of M. Gordon Wolman. Wolman was a saver and loathe to discard materials that might be useful latter. Over the years Wolman appropriated a variety of filing cabinets and storage areas and re-creating the original order of the collection was challenging.

The collection has been organized into 5 series. Series 1 Correspondence contains letters and emails that were filed separately. Series 2 Professional Activities contains files on committees, working groups, task forces and other professional association work. Series 3 Research contains Wolman’ writings, presentations to conferences and meetings, research notebooks and data, and his work as a paid consultant. Series 4 Johns Hopkins University contains material on his teaching, work as an administrator, and university committee work. Series 5 Personal contains his own student work, materials about him, awards and honors, photographs and audiovisual material, and information about his father Abel Wolman. The series descriptions that follow detail the organization of the collection.

Series Descriptions

Series 1 Correspondence 1950-2010

Boxes 1-10

Wolman kept his correspondence in a variety of ways. This series is largely personal letters from friends and colleagues and is not related to on-going research, professional committee work, consulting work, or public presentations. Correspondence related to those activities is found in Series 2, 3, and 4.

Letters in Series 1 were filed by a changing number of assistants over the years, and there is some inconsistency in how the letters are filed-some by date; some alphabetically either by the name of the correspondent or the organization he/she represented. The sub-series follow these changing methods of filing.

Subseries 1.1 contains letters dating from 1950-69 and is quite small. It is likely much of the correspondence from this period was discarded or lost. Files kept include correspondence concerning Wolman's appointment to Johns Hopkins in 1958, a file of correspondence with D.B. Krimgold, and a file of letters labeled S-Z from 1965-66.

Subseries 1.2 contains letters from 1970-89 filed alphabetically. Correspondents include: Blair T. Bower, William Bunge, Elliot Charney, William Freeman, Walter Hollander, Luna Leopold, David Lilienfeld, Walter Lyon, Ruth Patrick, C.R. Twidale, Ira Whitman, George S. Will, Robert Welch, Gilbert White, John Winslow, and Ellis Yochelson.

Subseries 1.3 contains correspondence from 1990-2009 filed alphabetically. By this period there were 3 different ways of managing the correspondence: alphabetically (1.3); chronologically (1.4) and by format (emails are separate in 1.5). Correspondents in subseries 1.3 include: William Ball, William Barron, Bernard Bauer, Kumkum Bhattacharyya, Baruch Boxer, Lukas Brader, John Bredehueft, Jesse Bump, Nathan Buras, Stephen Burges, John Cairns, Emery Castle, Elliot Charney, Jared Cohon, Mark Colosimo, John E. Costa, Anthony de Souza, Thomas Dunne, William Emmett, Anne Fairbrother, Eran Feitelson, Myron Fiering, Robert Fri, John Geyer, Boyd Gibbons, Don Giddens, Andrew Godfrey, Jack Goellner, Albert Gore, Dulal Goswami, William Graf, Gordon Grant, Alan Grainger, Avijit Gupta, John Hack, Willard Hackerman, David Harvey, Roger Jones, William Kauffman, Mathias Kondolf, Arthur Lachenbruch, Judy Lakind, Steve Leatherman, Chris Leinberger, Luna Leopold, Pamela Lewis, Gene Likens, Pierce Linaweaver, Robert Newbury, Robert O'Brien, Charles O'Melia, Marc Parlange, Ruth Patrick, Jonathan Patz, Ted Poehler, Frank Press, Stephen Rattien, Peter Raven, Charles Revelle, William Richardson, Les Roberts, Howard Rosen, Patricia Rosenfeld, Lester Salamon, Asher Schick, Erica Schoenberger, A. Harvey Schreter, George Sherk, Alfred Sommer, Eugene Stakhiv, Kevin Swanson, Bernard Sweeney, Thomas Tapley, Colin Thorne, George Thompson, Christine Tiller, William Thrush, Brian Whaley, Elizabeth Whitcombe, and Ellis Yochelson.

Subseries 1.4 contains correspondence from 1990-2010 that is filed by date. This should be consulted in conjunction with Subseries 1.3.

Subseries 1.5 contains emails. Starting in the early 1990s, Wolman began receiving communications by email. He never managed his email. His assistants would print all messages out for him, he would hand write replies, and the assistants would send the email. As with the letter files, many of the emails and replies are filed with the work they support in Series 2, 3, and 4.

Series 2 Professional Activities 1966-2010 **Boxes 11-25**

Wolman was very active professionally serving on myriad committees and task forces or holding elected positions. He served on or chaired many committees for the National Academy of Sciences as well as for the key professional organizations in his field. Wolman's expertise was sought after locally and he worked on several key committees to assess and protect the environment in Maryland and Baltimore. The files on the committee work contain correspondence, meeting agendas, draft committee reports and policy statements, as well as travel documents and membership information. Presentations Wolman made at professional conferences are in Series 3.2. The files are arranged alphabetically by the sponsoring organization. A full list of the committee files is in the container list. The committee work most well-documented includes:

Academy of Natural Sciences. In 1981 Wolman joined the advisory committee of the Academy's Environmental Assessment Council. Much of file is correspondence with Dr. Ruth Patrick and reports of the Council's work.

AIA Potomac Planning Task Force. In 1965-66 Wolman served on the Resources subcommittee of this group advising the Department of the Interior. Included in the file are the subcommittee's report and discussion papers including Wolman's "Water Demands in the Potomac Basin: Water Supply, Quality Control, Recreation, and Flood Control" [a Discussion paper, not for general distribution or quotation] August 18, 1965.

H. J. Andrews Experimental Forest National Advisory Committee. Wolman joined the advisory committee in 1984 as the Forest reviewed its Long Term Ecological Research program. The Forest is located in the Cascade Range in Oregon. The files include reports of the Forest's work and notes on the meetings Wolman attended

Citizens Planning and Housing Agency, Sub-Committee of the Urban Renewal Committee. Wolman served with Hans Froelicher, Paul Sarbanes and others on this subcommittee to study the Harlem Park urban renewal area. The files includes letters and reports.

Geological Society of America. Wolman was active in the GSA serving as a Councilor 1976-78, Vice-President 1982, and President 1984. In honor of his contributions to the field, Wolman was presented with the GSA Penrose Medal in 1999. The GSA files

include correspondence concerning GSA work, the Donath award committee which he chaired, and attendance at meetings/conferences with the exception of meetings where Wolman presented a lecture or accepted an award. These are filed in Series 3.2 Presentations. Wolman served on the GSA Foundation Development Committee and there are files concerning the Second Century Fund, 1993-2000.

International Geological Congress. The 28th Congress in 1989 was held in Washington, D.C. and Wolman served on the program and arrangements committees. The extensive files detail the work beginning in 1986 and include arrangements for a post-Congress tour of Baltimore.

Institute for Cooperation in Environmental Management. Founded in 1989, ICEM was composed of environmental leaders from government, business and industry, academic and scientific institutions to study environmental issues confronting the Mid-Atlantic region. Wolman served as ICEM Board Chair 1989-92. The files reflect the Board's work 1989-1994.

International Institute for Applied Systems Analysis. Wolman served as IIASA Council member representing the U.S. (1999-2003), Chairman of the Program Committee and was appointed Honorary Scholar of IIASA in 2003. The files contain drafts of program plans and correspondence (1999-2005) with Margaret Gould Collins, IIASA U.S. Committee's Program Director.

Institute of Nuclear Power Operations. INPO was an industry organization made up of top nuclear utility management. Wolman served on its Advisory Council from 1981-1986. The files contain INPO reports and correspondence.

Maryland Geological Survey. Wolman was appointed the Maryland Geological Survey in 1974 and served as Chair 1974 to 1998 (?). The files contain meeting materials, correspondence and reports from 1983-2007, but the files documenting the earlier years are missing.

Maryland Academy of Sciences. Wolman served on the Board of Trustees from 1976-1983.

Md. Department of Water Resources. Water Quality Criteria Committee. In 1971, the Maryland Department of Water Resources appointed a committee to review and recommend revisions to "Regulation 4.8, the Water Quality Standards and Criteria for all Maryland bodies of water." Wolman chaired this committee of scientists charged with "developing recommendations for changes which will protect established and anticipated future uses, and permit optimum management of the state's water resources." The files contain committee minutes, correspondence, and drafts of the final report.

Md. Governor's Science Advisory Board. Wolman served on the Board from 1987-88. There is correspondence about meetings and some documents relating to the subcommittee on water problems.

Md. Environmental Leadership Group. In 1988 Wolman was asked to join the newly formed Department of the Environment's Leadership Group. He served until 1991 and the files contain information about the meetings.

Maryland Environment Protection Plan Technical Advisory Committee. In 1985 Wolman served on a Technical Advisory Committee as the state revised its Environmental Protection Plan. There are drafts and correspondence.

Md. Committee to Review State Policy for Funding Maryland's Chesapeake Fisheries. In 1989 the Department of Natural Resources appointed a group of experts to recommend future directions for the State in commercial fisheries. Wolman chaired the committee (1989-90), and the files contain meeting minutes and drafts and the final report.

Oyster Roundtable. Organized in 1993, this group was a cross-section of state officials, environmental groups, elected officials, watermen, and scientists. In response to disease and overharvesting leading to a decline in oyster fishery of the Chesapeake Bay, the group wanted to develop innovative approaches to maximize the ecological and economic benefits associated with the oyster resource. Much of the work of the group was researching and preparing action plans. The first was completed in 1993 and then updated regularly. The files (1993-2002) include correspondence about meetings and drafts of the plans with Wolman's careful reading and annotations.

Md. Advisory Committee on the Management and Protection of the State's Water Resources. In response to the drought of 2002, the committee was established by Executive Order in 2002 and charged to "advise and assist the State in implementing programs and policies relating to the management, development, conservation and protection of the State's water resources." The work of this committee led to a state law requiring a water management plan before building. Wolman was appointed chair in 2003 and served until 2008 when the committee completed its work. The files contain correspondence, research, drafts, press releases, and speeches.

National Academy of Science. Wolman was elected to the NAS in 1988 and its National Academy of Engineering in 2002. He was active in committee work and served on or chaired many National Research Council research committees as well as NAS governance committees. A full list of the committee files are found in the container list. The most detailed are:

NRC Committee on Water Quality Policy. The National Commission on Water Quality contracted with the National Research Council, Environmental Studies Board to complete regional studies on water quality policy. Wolman chaired this committee, 1974-76 and the files are voluminous.

NRC. Commission on Geosciences, Environment, and Resources (CGER). In 1990, the NRC reorganized creating a new commission CGER and Wolman was appointed the first chair. The appointment letter outlined the goals: "to develop and pursue an integrated

agenda for the disciplines involved in the global geosciences—including atmospheric science and climate, ocean studies, polar research, and water sciences and resources. This agenda will embrace...national and international programs in global change, management of radioactive, toxic and other waste products of industrialization, the myriad future water resources issues, and resources for energy.” The files cover 1990-94.

NRC. Population, Environment, and Land Use Policies. Wolman participated in a study program entitled “Population, Environment, and Land Use Policies in China, India, Indonesia, Brazil and the United States.” It was a series of workshops including one in Beijing in 1998, one in New Delhi in 2000 and a publication.

Potomac River Low Flow Allocation. In 1978 an agreement on use of the Potomac River water was reached between Maryland, Virginia and the District of Columbia. The agreement provides “for an equitable distribution of available water supply to all users of the Potomac River during extreme low flow periods.” Wolman became the first moderator of the water flow in 1978 and served until 20???. The files contain meeting information and data on water supply.

Resources for the Future. RFF “guides environmental and resource policy through independent research upon which decisions can be knowledgeably be based.” Wolman served as chair of the RFF Research Advisory Committee in 1978. He joined the Board of Directors in 1978 serving as Chair from 1979-1987. The files include correspondence with RFF President Emery Castle, and materials relating to Board meetings.

Westinghouse Savannah River Environmental Advisory Committee. The Westinghouse Company organized an Environmental Advisory Committee for its nuclear power facility on the Savannah River. Wolman served on the committee from 1995-2004.

Science Advisory Committee, Center for Ecological Health Research. The Center at the University of California, Davis organized a committee of scientists to advise its program. Wolman was appointed to the committee in 1992. The files contain information on meetings 1992-2001.

Scientific Committee on Problems of the Environment (SCOPE). Wolman co-edited and contributed chapters to a book *Land Transformation in Agriculture* (1987) that grew out of a SCOPE symposium on land transformation and remote sensing. This file contains correspondence among the participants.

United States Geological Survey (USGS). Wolman joined the USGS in 1951 and remained there until joining the faculty at Johns Hopkins in 1958. He continued his interest in USGS projects serving as a part-time hydrologist (1958-78) and working on committees. The files in this series deal with his USGS work after 1958. The few files dating from his USGS days deal with research projects and are found in Series 3.3. Files in Series 2 include correspondence with John Costa (1982-89) and Ethan Smith (1976-77). Committee files are Mission and Goals review (1983-85), NAS USGS Advisory Committee (1982-87), Geological Mapping (1987-88), USGS/NBS Workshops

(1996), National Water-Quality Networks Advisory Committee (1990), and the review committee for book on USGS and Water Resources (2000-03).

U.S. Environmental Protection Agency. This is a small file with various correspondence. There is a copy of the review Wolman prepared (1976) of the water quality monitoring program of the State of Maryland.

World Health Organization, Independent Commission on the Future of the Onchocerciasis Control Programme in West Africa. Wolman served on this international working group (1978-81) to study onchocerciasis (river blindness). The files include working papers and some correspondence.

Series 3 Research 1951- 2010 Boxes 26-47

This series contains writings, presentations, research files and consulting work and has been divided into 4 sub-series.

Subseries 3.1 Writings 1954-2007

This series contains the papers, book chapters, letters to the editor, and reviews that were published. Most are off-prints of the final publication but there are some drafts of the article or correspondence about the publication filed with these off-prints. In the early years, drafts of these published articles are found with the research data in Series 3.3. The correspondence among Leopold, Miller and Wolman in the writing of their book *Fluvial Processes in Geomorphology* (1964) is in this series. A copy of the book is cataloged in Rare Books and Manuscripts.

The publications in this series often overlap with the papers found in Series 3.2. Presentations as papers delivered at conferences were often published.

The articles are filed chronologically by date of publication. Wolman was a peer-reviewer for several professional journals and advisor to publishers on book projects. These files are in box 28.

Subseries 3.2 Presentations 1952-2009

Wolman was active in the profession giving papers at conferences throughout his career. He was a sought after speaker and was invited to give plenary and keynote addresses as well as to be a guest lecturer at other universities. Wolman's contributions to the profession were recognized by election to office and many awards. The presentations of these awards are in this series. This series also includes materials on workshops that Wolman presented and some conferences he attended as a delegate representing an

organization.

Wolman was an active supporter of the Johns Hopkins University and was a frequent speaker at alumni and development events. The completeness of these files varies, and the types of information might include the correspondence relating to the invitation and travel arrangements, copies of the programs and promotional material as well the speech itself whether it is an outline of speaking notes or a formal presentation with multiple drafts of the speech.

The presentations are filed chronologically by date of the presentation.

Subseries 3.3 Research 1951-2009

This series contains the extant field notebooks, lab notes and other folders containing data relating to studies. There are also some final reports and grant proposals to fund the research.

The research files are grouped either by location of field research or the research topic. There are field notes from the following streams: Brandywine Creek in Pennsylvania (1950s); Sleepers River, Danville, Vermont (1960s); Nelson River, Manitoba (1960s); Aligarh region of India (1968); Malaysia (1962); Mexico (1966); Israel (1961, 1996-97); Rhine River, and Nile River.

Wolman studied various streams in Maryland including Watts Creek and Seneca Creek in Montgomery County and the Jones Falls, Stony Run, Herring Run, Western Run, Chinquapin, and Baisman Run in the Baltimore area. In 1963 Wolman received a grant from the USGS to install a gauging station on Baisman Run and the files contain correspondence and research data.

The files grouped by research topic include the work on resistance as a function of roughness (Wolman Pebble count) and data from the work with Lucien Brush to study factors controlling stream channels in a laboratory setting. There are files on work on river-channel morphology that resulted in USGS publications with Luna Leopold and others as well as their textbook *Fluvial Processes in Geomorphology*.

Other studies with documentation in this series include: Sedimentation of stream channels in urban areas; flooding of the Patapsco River after Hurricane Agnes; economic considerations of power plant siting on the Chesapeake Bay; criteria for Maryland's water quality monitoring program; and a study of soil erosion for the U.S. Soil Service.

The files are arranged in chronological order, and the file titles and the location of the study are listed in the finding aid. For many of the early files, the original wording on the files has been retained. The early materials are not well identified and the boxes should be reviewed carefully to locate relevant data.

Subseries 3.4 Consulting Work 1961-2007

Wolman often worked with outside organizations as an advisor or consultant on commercial projects. He was engaged as an expert witness in legal disputes or a consulting engineer by developers for water related projects. The projects are organized by date and listed either by the location of the work or the company contracting with Wolman. The type of materials documenting each project varies from brief correspondence to detailed data and written reports.

Some of the well-documented consulting projects include: construction sedimentation study for the Maryland Pollution Control Commission (1963); shale oil study for Atlantic-Richfield (1968-70); Baltimore Model Cities Sanitation program study (1972); Lake Roland sedimentation study (1965-82); Wye Island water study for the Rouse Company (1973); Baltimore Harbor dredging for Crown Central Petroleum (1973-80); Potomac River navigability for the USGS (1974-75); Alexandria, VA waterfront high water suit (1977-81); Hart & Miller Island, Baltimore harbor spoil dredging site design with Lucien Brush (1979-80); Whitewood Creek, SD pollution study and testimony for Homestake Mining Co.(1984-86, 1997); Snake River/Boise Adjudication Team testimony, U.S. Forest Service (1994); and the Catskill River Turbidity Control Study (2001-7).

Wolman's experience with engineering education was tapped as he served on committees to conduct peer reviews of engineering programs at many universities. These are listed in the container list for Box 47. Also included are reviews of research programs for the Andrew Mellon Foundation, Nuclear Regulatory Commission, Oak Ridge National Laboratory and the Rand Corporation.

Series 4 Johns Hopkins University 1960- 2010 Boxes 48-57

This is the series with files relating to Wolman's long career as faculty member, departmental chair, and member of numerous university committees. These are the files that Wolman retained in his office but they do not document all his Hopkins' activities. There will be information relating to his departmental work in the Department of Geography and Environmental Engineering files in the University Archives RG 6.070. Wolman served as acting Provost of the University twice and these files will be found in RG 3.001.

Subseries 4.1 Teaching 1960- 2010

This series contains the files used in the courses Wolman taught at Hopkins. They have been roughly arranged by the course although material used in one course was often re-used in later courses. It would be useful to review all the files to find relevant material.

The types of material include lecture outlines and talking points, syllabi and reading lists, examination questions, and homework, laboratory or field trip assignments. Each year, beginning in 1968, the undergraduates would compile an evaluation of the courses, and Wolman kept copies of these usually positive reviews of his classes. The University Circulars found in the University Archives will give a complete list of the courses Wolman taught each year. In the oversize section there is a photo album of field trips and department events from 1961-1970

Subseries 4.2 Administration 1962-2006

Wolman was hired by Hopkins in 1958 to chair the Isaiah Bowman Department of Geography (TIBDOG). In 1970, Wolman oversaw the merger of the Department of Geography with the Department of Sanitary Engineering to create the Department of Geography and Environmental Engineering (DOGEE). He served as department chair from 1970-90. The files in this series are mainly from DOGEE and appear to have been weeded. They should be used in conjunction with the DOGEE departmental records in RG 6.070.

Of interest are the files relating to the Water Science and Management Program that was begun in 1962 to bring together those teaching and doing research on water resources. This program is likely what led to the merger of the departments of Sanitary Engineering and Geography. The files contain information on the rationale for the program as well as some research reports generated. There are also files on some graduate student funded research projects. One graduate student, Richard Arvidson was funded to research on irrigation in Rhodesia, and his letters to Wolman discuss the political situation in the region as well as his research reports (1963-66). Other files concern research grants for the department from Mellon, Pew, HEW, and the National Science Foundation.

Subseries 4.3 Committees 1964-2005

Wolman served on several university-wide committees including the Long Range Planning Committee (1965-69) for which he chaired the sub-committee on undergraduate affairs. This was an in-depth review of the university and its direction. In 1970 Wolman was part of the Arts and Sciences Faculty report on the Committee on Governance which held hearings on a student disruption of the Academic Council meeting. This led to a discussion on campus of student rights and responsibilities. The files contain information on these committees' meetings and reports.

Wolman was a founding member of the local advisory committee to the university's

Center for Metropolitan Planning and Research from 1972 through the 1990s when the center changed its name to the Institute for Policy Studies. Wolman served on the subcommittee for housing and was active in planning the first Baltimore Economic and Environmental forum in 1994.

Wolman served on the Board of Trustees of the Johns Hopkins Program for International Education in Gynecology and Obstetrics (JHPIEGO) from 1992-2002. Wolman held an appointment in the JHU School of Public Health's Department of Environmental Health and there are files dealing with departmental initiatives especially dealing with water. In 1997 the Center for a Livable Future was created at Hopkins, and Wolman served on the faculty advisory board. The Center was an interdisciplinary center focusing on the health consequences of environmental change. The files contain information on the Center's programs.

Series 5 Persona 1913-2011 Boxes 58-63

This series is divided into five subseries: Student Work, About, Awards and Honors, Photographs and AV, and Abel Wolman.

Subseries 5.1 Student Work 1932-1953

This series contains materials relating to Wolman's early life and education. Wolman attended the Park School in Baltimore entering in 1932 and graduating in 1942, and the collection includes some of his school papers as well as report cards. In the summer of 1939, Wolman visited his grandparents on their farm on the banks of the Mystic River where he developed a love of dairy farming and cows. The collection contains some of the 4-H club materials and research he did on dairy farming. The summer of 1941 Wolman spent in Nova Scotia with the Experiment for International Living.

After graduating from Park, Wolman attended Haverford College but left in March 1943 when he joined the U.S. Naval Reserves. When discharged in 1946, he attended Johns Hopkins University earning his B.A. in 1949. The collection includes a few papers written while at Hopkins as well as athletic awards. His years at Harvard where he earned an MA and PhD are documented with class and field trip note books.

Subseries 5.2 About 1948-2011

This series contains articles written about Wolman, files on clubs he belonged to, boards on which he served, daily calendars, and address lists. Wolman's curriculum vita is in this series detailing his publications, appointments, professional service and honors. Wolman served on the executive boards of the Sinai Hospital in Baltimore and the Park School but these files are not in the collection.

**Subseries 5.3 Awards
1960-2010**

This series contains some information on awards he received. Some of the awards are in the oversize box. In 1995 Wolman was honored by colleagues at Johns Hopkins. There is a scrapbook of tributes and photographs filed in the oversize box. There is additional information on awards in Series 3.2 where the acceptance speeches for awards are filed. Some of the awards are oversized and are filed separately.

**Subseries 5.4 Photographs and AV
1913-2004**

This includes a few videos and DVDs recording Wolman at events as well as some photographs. There is an interesting series of photographs taken in 1913 of the Ohio River flood damage to Piqua, Ohio. Other photographs relating to specific events such as field trips and conferences are filed with those activities in Series 2 and 3. There are 2 albums filed in box 62 one has candid shots of DOGEE department parties and field trips (1961-70). The other is a scrapbook of photographs and letters of tribute sent to Wolman for the celebration of his career in 1995.

**Subseries 5.5 Abel Wolman
1970-2008**

The final box in the series contains files relating to his father Abel Wolman. These include articles about Abel, information on the National Academy of Sciences Abel Wolman Distinguished Lecture (1990-2009), and correspondence for the Abel Wolman Fund for DOGEE.

Container List

Box 1

Series 1.1 Correspondence 1950-69
Series 1.2 Correspondence 1970-89 A-H

Box 2

Series 1.2 Correspondence 1970-89 J-W

Box 3

Series 1.2 Correspondence 1970-89 W-Z
Series 1.3 Correspondence 1990-2010 A-C

Box 4

Series 1.3 Correspondence alpha1990-2010 C-K

Box 5

Series 1.3 Correspondence alpha 1990-2010 K-P

Box 6

Series 1.3 Correspondence alpha 1990-2010 P-W

Box 7

Series 1.3 Correspondence alpha 1990-2010 W-Z

Series 1.4 Correspondence chron. 1990-98

Box 8

Series 1.4 Correspondence chron. 1999-2002

Series 1.5 Email 1998-2004

Box 9

Series 1.5 Email 2004-2007

Box 10

Series 1.5 Email 2007-2010

Box 11

Series 2 Professional Activities:

Academy of Natural Sciences, Environmental Assessment Council, 1981-89

American Academy of Arts and Sciences, 1981-85

American Association for the Advancement of Science, 1975-94

American Association of Environmental Engineers, 2005

American Association of Petroleum Geologists, 1988

American Congress on Surveying and Mapping, Joint Satellite Mapping and Remote Sensing Committee, 1987-90

American Geological Institute, 1981-1997

American Geographical Society (AGS), 1985

American Geophysical Union (AGU), 1985-2001

American Institute of Architects, Potomac River Task Force, 1965-66

American Institute of Hydrology

American Institute of Professional Hydrologists

American Philosophical Society, Membership Committee, 2003-5

Box 12

Series 2 Professional Activities:

American Water Works Association (AWWA), 1973-1990

H. J. Andrews Experimental Forest, National Advisory Committee, 1984-92

Assateague Island Preservation Committee, 1974-76

Association of American Geographers (AAG), 1972-89

Chesapeake Bay Alliance, 1996

Chesapeake Bay Foundation, 1989

Chesapeake Futures, Estuary Taskforce, 1998-99

CPHA, Harlem Park Study, 1965
Citizens League of Baltimore, 1973-85
Conservation Foundation, 1969-88
Delaware River Basin Commission, 1969
Du Pont Company 1977-82
Environmental Fund for Maryland, 1996
Environmental and Natural Resources Policy and Training Project, 1992
Eco-Research (Canada), 1993
Environmental Concern (Maryland), 1993

Box 13

Series 2: Professional Activities:
American Geological Society (GSA), 1976-2000
Goucher College, Center for Educational Resources Advisory Board 1977-80
International Geological Congress (IGC), 1986-1989
Institute for Cooperation in Environmental Management (ICEM), 1989-94

Box 14

Series 2: Professional Activities:
ICEM (continued)
International Institute for Applied Systems Analysis (IIASA), 1999-2005
Institute of Nuclear Power Operations (INPO), 1981-1990
Maryland Geological Survey, 1984-1997, 2004-7
Maryland Academy of Sciences, 1976-83
Maryland Chamber of Commerce, Committee on the Chesapeake Bay, 1984-90

Box 15

Series 2: Professional Activities:
Md. Water Quality Criteria Committee, 1971-72.
Md. Department of Natural Resources correspondence, 1975-83
Md. Governor's Science Advisory Council, 1987-88
Md. Department of the Environment Leadership Group, 1988-94
Maryland Environmental Protection Plan, Technical Advisory Committee, 1985
Md. Committee to Review State Policy for Funding Maryland's
Chesapeake Fisheries, 1989-90

Box 16

Series 2: Professional Activities
Md. State Highway Administration, 1996
Md. Oyster Roundtable, 1993-2002
Md. Advisory Committee on the Management and Protection of the State's Water
Resources, 2002-2004

Box 17

Series 2: Professional Activities
Md. Advisory Committee on the Management and Protection of the State's Water

Resources, 2005-2008
National Academy of Sciences (NAS) election, 1988
National Academy of Engineering election, 2002
NAS Solid Earth Sciences Committee, 1998-89
NAS. Committee on Scholarly Communication with the People's Republic
of China, 1989-90
NAS Infinite Voyage TV project, 1989
NAS Committee on Global Ecology, 1989-90
NAS "Natural Disaster Test" TV program, 1992-93
NAS Film Committee, 1994
NAS Conference on Human Health, 1995
NAS Nominating Committee, 1995-96
NAS Mitchell Prize Committee, 1996

Box 18

Series 2: Professional Activities
NAS Geography Initiative, 1998
NAS Auditing Committee, 1996
NAS Policy Division Review, 1998-99
NAS Policy Division Advisory Committee, 2000
NAS Auditing Committee, 2001-2005
NAS Subcommittee for NRC Oversight, 2002
NAS Subcommittee for NTRB Oversight, 2001-2002
NAS Warren Prize Committee, 2002-2006
NAS. Division of Earth and Life Studies. Assessing National Streamflow Information
Program, 2003
NRC. Committee on Water Quality Policy (CWQP) 1973-75

Box 19

Series 2: Professional Activities
NRC. Committee on Water Quality Policy (CWQP), 1974-75

Box 20

Series 2: Professional Activities
NRC. Committee on Water Quality Policy (CWQP), 1973-75
NRC. Committee on Mineral Resources & the Environment. Santa Barbara Study
trip, 1973
NRC. Environmental Studies Board. Surface Mined Land, 1973
NRC. Environmental Studies Board, Wyoming meeting, 1976
NRC. Panel on Scientific Basis of Water Resource Management, 1978-82
NRC. U.S. Committee for SCOPE,
NRC correspondence, 1980-97
NRC. Soil Conservation Committee, 1986
NRC. Water Science and Technology Board, 1988-90

Box 21

Series 2: Professional Activities

NRC. Water Science and Technology Board, 1989-90

NRC. Water Science and Technology Board. Restoration of Aquatic Systems Committee, 1989-90

NRC. Commission on Geosciences, Environment & Resources (CGER), 1990-94

NRC. Population and Land Use, 1995-98

Box 22

Series 2: Professional Activities

NRC. Population and Land Use, 1999-2001

NRC. Board on Sustainable Development, 1995-98

NRC. Committee to Assess U.S. Army Corps of Engineers Methods, 2002

NRC. Transportation Research Board, St. Lawrence Seaway, 2004-08

National Center for Geographic Information and Analysis, Exec. Bd., 1988-90

National Conference of Catholic Bishops, 1993-96

National Council for Science and the Environment, award, 2004

National Geographic Society, 1977-90

National Institute for the Environment, 1995

National Science Foundation, proposal reviews, 1980-89

National Wildlife Federation, 1981-88

New England Aquarium, Scientific Advisory Committee, 1995

Norway Science Co-op, 2002

Oak Ridge National Lab, Advisory Board, 1995-97

Potomac River Consortium, 1982

Potomac River In-Stream Flow Management Committee 1981-90

Box 23

Series 2: Professional Activities

Potomac River Low Flow Management, 1978-2003

PBS advisor, "The Water Course," 2003

Student Pugwash conference at JHU, 1993-94

Resources for the Future (RFF), 1976-2002

Box 24

Series 2: Professional Activities

RFF Soil Erosion Study, 1988-90

Savannah River (Westinghouse) Environmental Advisory Committee, 1995-2004

Save Our Streams (SOS), 1986

Science Advisory Committee (SAC) Center for Ecological Health Research, 1992-2001

Scientific Committee on Problems of the Environment (SCOPE), 1980-89

Sigma Xi, 1993-94

Top of the World (Baltimore) Review Committee, 1993

U.S. Department of Agriculture, Soil Conservation Service, 1975-83

U.S. Department of the Army, 1983-88

United States Geological Survey (USGS), 1966-87

Box 25

Series 2: Professional Activities

USGS, 1976-2003

U.S. Department of Commerce, NOAA Weather Modification Panel, 1980-81

U.S. Environmental Protection Agency, 1972-88

U.S. Council on Environmental Quality, Stream Channelization Advisory
Committee 1971-73

U.S. Office of Science and Technology, Reorganization Review, 1978

U. S. Office of Water Resources Research Program, 1967-68

U.S. Water Resources Council, 1974-78

Universities Council on Water Resources, 1973-92

UMBC Center for Urban Environmental Research & Education, Science Advisory
Committee, 2002

Water for People, Advisory Committee, 1993-95

Wildlife Habitat, 1994

Woodlands Institute, 1976

WHO, Vector Control Working Group, Onchocerciasis, 1978-81

Box 26

Series 3.1: Writings

1954 "Resistance as a Function of Relative Roughness" *Water Resources Bulletin*

1954 "A Method of Sampling Coarse River-Bed Material" *AGU Transactions*

1955 "The Natural Channel of Brandywine Creek Pennsylvania" USGS #271

1956 "Floods in Relation to the River Channel" with Leopold, International Association
of Hydrology, *Symposia Darcy* Dijon, 1956

1957 "River Channel Patterns: Braided, Meandering and Straight" with Leopold
USGS #282-B

1957 "River Flood Plains: Some Observations on Their Formation" with Leopold,
USGS #282-C

1958 "Reconnaissance Study of Erosion and Deposition Produced by the Flood of August
1955 in Connecticut" with Eiler, *AGU Transactions*

1959 "Factors Influencing Erosion of a Cohesive River Bank" *American J. of Science*

1960 "Knickpoint Behavior in Noncohesive Material: A Laboratory Study" with Brush,
GSA Bulletin

1960 "Magnitude and Frequency of Forces in Geomorphic Processes" with Miller,
Journal of Geology

1960 "River Meanders" with Leopold, *GSA Bulletin*

1960 "Flow Resistance in Sinuous or Irregular Channels" with Leopold, Bagnold, Brush,
USGS # 282-D

[1960] "Discussion of 'Programming Small Watershed Development' by Pavelis and
Timmons" with D.F. Bramhall, *Journal of Farm Economics* (?)

1961 "Factors Controlling the Size and Shape of Stream Channels in Coarse Noncohesive
Sands" with Brush, USGS # 282-G

1962 "Energy Losses in Experimental Open Channels in Relation to Geometry of

- Meandering Channels” with Michael Moore, unpublished
- 1963 “A Report on Utilization of Floodplain Lands in Baltimore County with Particular Reference to Gwynns Falls”
- 1964 *Fluvial Processes in Geomorphology* with Leopold and Miller
- 1964 “Problems Posed by Sediment Derived from Construction Activities in Maryland” Report to Md. Water Pollution Control Commission
- 1965 “National Interest and the Nation’s Waters” *AWWA Journal*
- 1965 “Sediment” *Maryland Conservationist*
- 1966 *Alternatives in Water Management* NAS Committee on Water
- 1967 “Effects of Construction on Fluvial Sediment, Urban and Suburban Areas of Maryland” with Schick, *Water Resources Research*
- 1967 “A Cycle of Sedimentation and Erosion in Urban River Channels” *Geografiska Annaler*
- 1968 “The Natural Environment: Four Statements” *AIA Journal*
- 1969 “Survival? Man and Water: A Community Health Forum” *Transactions & Studies of the College of Physicians of Philadelphia*
- 1970 “Uncertainty in Mapping Flood Hazards: An Opportunity for Flexibility” *Proceedings 7th Biennial Hydraulics Conference*
- 1971 “Geophysics and a Habitable World” *EOS*
- 1971 “The Nation’s Rivers” *Science*
- 1971 “Evaluating Alternative Techniques of Floodplain Mapping” *Water Resources Research*
- 1972 “Use of the Chesapeake Bay for Cooling Thermal-Electric Power Plants” with Meyers, Flynn and Sheer, for the AEC
- 1972 “Water Management” *The Science Teacher*
- 1973 “The Physical Environment and Urban Planning” *Geographical Perspectives and Urban Problems* NAS
- 1974 “Fluvial Processes” *Encyclopedia Britannica* 15th edition
- 1974 “Crisis and Catastrophe in Water-Resource Policy” USGS #921
- 1974 “Stream Standards: Dead or Hiding” *Journal Water Pollution Control Federation*
- 1974 “Water Resource Quantity and Quality” *WRD Bulletin*
- 1974 *Rehabilitation Potential of Western Coal Lands* NAS Environmental Studies Board
- 1975 “Erosion in the Urban Environment” *Bulletin Sciences Hydrologiques*
- 1976 “Selecting Alternatives in Water Resources Planning and the Politics of Agendas” *Natural Resources Journal*
- 1977 “Changing Needs and Opportunities in the Sediment Field” *Water Resources Research*
- 1977 “Development and Verification of a Schistosomiasis Transmission Model” with Rosenfield and Smith, *American Journal of Tropical Medicine and Hygiene*
- 1977 “Interdisciplinary Education: A Continuing Experiment” *Science*
- 1978 “Relative Scales of Time and Effectiveness of Climate in Watershed Geomorphology” with Gerson, *Earth Surface Processes*
- 1978 “Water” *Yearbook of the Encyclopedia Americana*

- 1978 “Interacting Systems of Society, Man and Nature in Monitoring the World’s Environments” *Journal of Environmental Management*
 1978 “Energy, Environment and the Geosciences” AAAS Symposium #21

Box 27

Series 3.1: Writings

- 1978 “Floods and People: A Geological Perspective” GSA, Committee on Geology and Public Policy report
 1978 “Objectives and Design of Water Quality Monitoring Efforts: State of Maryland as an Example” with Chamberlin, Liebetrau, and Haywood, GSA report
 1979 *Energy: The Next Twenty Years*, H. Landsberg, ed. Ford Foundation Energy Study Group
 1980 “Perspectives on Government and Science: Occasioned by the Centennial of the U.S. Geological Survey,” GSA, Committee on Geology and Public Policy
 1981 “Urbanization and Water” with Chamberlin, chapter 12 in *The Environment: Chinese and American Views*
 1982 “Nonpoint Sources,” with Chamberlin, *Proceedings National Water Conference Philadelphia Academy of Sciences*
 1982 “Shale Oil: Always a Bridesmaid? Forty Years of Estimating Costs and Prospects” with Fearon, *Energy Systems and Policy*
 1983 “Some Hopes for the Symposium”[COSPAR/SCOPE Land Transformation] *Advanced Space Research*
 1984 “Downstream Effect of Dams on Alluvial Rivers” with Garnett Williams USGS #1286
 1984 “Envelope Curves for Extreme Flood Events” with J.E. Costa, *Journal of Hydraulic Engineering*
 1984 “Toxic Substances in the Environment: Some Key Issues,” *Proceedings 2nd Annual National Water Conference*

 1985 “Effect of Erosion on Soil Productivity: An International Comparison” with F.R. Rijsberman, *Journal of Soil and Water Conservation*
 1985 “Soil Erosion and Crop Productivity: A Worldwide Perspective” Chapter 2 *Soil Erosion and Crop Productivity*
 1985 “Structure and Scale in Geomorphology”
 1985 “Effects of Dams and Reservoirs on Surface-Water Hydrology-Changes in Rivers Downstream from Dams” with Williams *National Water Summary*
 1986 “Hydrochemistry of Sulfide and Arsenic-Rich Tailings and Alluvium along Whitewood Creek, South Dakota” with Cherry, Morel, Rouse, and Schnoor *Mineral and Energy Resources*
 1986 “Water Supply: Persistent Myths and Recurring Issues” with A. Wolman, *Geography and Environment*
 1987 “Analysis and Interpretation of Water-Quality Trends in Major U.S. Rivers, 1974-81” with R.A. Smith, R.B. Alexander, USGS #2307
 1987 “Water-Quality Trends in the Nation’s Rivers” with Smith and Alexander, *Science*
 1987 “Introduction to Land Transformation in Agriculture” chap. 1; “Agricultural

- Practices Leading to Land Transformation” chap. 5; “Conclusions and Recommendations” with G.A. Fournier, *Land Transformations in Agriculture*
SCOPE
- 1987 “Some Dynamic Aspects of River Geometry” with B. Yu, *Water Resources Journal*
- 1987 “Sediment Movement and Knickpoint Behavior in a Small Piedmont Drainage Basin” *Geografiska Annaler*
- 1987 “Criteria for Land Use” *Resources and World Development*
- 1987 “University Participation in the Water Regulatory and Management Processes: Some History and Constants” *Proceedings UCOWR Annual Meeting*
- 1988 “Changing National Water Quality Policies” *Journal of the Water Pollution Control Federation*
- 1989 “Science for Responsible Regulation: Environmental Quality and Resource Utilization” chap. 11 *Future Opportunities and Challenges Unique to Science*
NAS
- 1989 “Erosion Control and Reservoir Deposition” *Taming the Yellow River: Silt and Floods*
- 1990 “Midden Management” 4th Conference on Environmental Issues, Academy of Natural Sciences
- 1990 “The Riverscape” chap. 12, “Introduction” with H.C. Riggs, *The Geology of North America, Surface Water Hydrology*
- 1990 “The Impact of Man” *Eos*
- 1990 “Pattern and Origin of Stepped-bed Morphology in High-Gradient Streams, Western Cascades, Oregon” with G. Grant, F.J. Swanson, *GSA Bulletin*
- 1991 “Water and the City: An Exploration of Meaning” *Water and the City: The Next Century*
- 1992 “Contemporary Value of Geography: Applied Physical Geography and Environmental Sciences” *The Student’s Companion to Geography*
- 1992 “The H-F Boundary: Who Needs a Bolide?” with U. Cordani, D.J. McLaren, L.T. Silver, B.J. Skinner *GSA Today*
- 1993 “Modification of Fluvial Gravel Size by Spawning Salmonids” with G.M. Kondolf, M.J. Sale, *Water Resources Research*
- 1993 “Population, Land Use, and Environment: A Long History” chap. 2 *Population and Land Use in Developing Countries*
- 1993 “Retreat of Loess Slopes in the Semi-Arid Areas” with Wen-Ling Jane
- 1993 “The Challenge of the Mississippi Floods” Letter to editor *Environment*
- 1994 “Abel Wolman” *Encyclopedia of the Environment*
- 1995 “Human and Ecosystem Health: Management Despite Some Incompatibility” *Ecosystem Health*
- 1995 “Play: The Handmaiden of Work” *Earth Surface Processes and Landforms*
- 1995 “Concluding Remarks” *The Changing American Countryside: Past, Present and Future*
- 1997 “Threats and Issues in Water Quality Management” *Environmental Professional*
- 1997 “Earth’s Freshwater” *Encyclopedia of Earth Sciences*
- 1997 “Resource Endowments and Climate Damage: Invited Comment” *Climate Change Policy in Germany and the United States*

- 2001 “Early Development of Systems Analysis in Natural Resources Management from *Man and Nature* to the Miami Conservancy District” with K.J. Holmes
Environmental Management
- 2001 “Effective Discharge and Gravel-Bed Rivers” with W. W. Emmett, *Earth Surface Processes and Landforms*
- 2002 “The Human Impact: Some Observations” *Proceedings of the American Philosophical Society*
- 2003 “Abel Wolman, 1892-1989” NAS *Biographical Memoirs* volume 83
- 2004 “The More Things Change” *Annals of the Association of American Geographers*
- 2005 “Beyond the Semivariogram: Patterns, Scale, and Hydrology in a Semi-arid Landscape” with K.A. Hoover, *Advances in Water Resources*
- 2007 “The Nile River: Geology, Hydrology, Hydraulic Society” with R.F. Giegengack, chap. 22, *Large Rivers: Geomorphology and Management*
- n.d. “River and Human Behavior”

Box 28

Series 3.1 Writings
 reviews for publishers and journals:
 Allen & Unwin
 American Journal of Science
 American Scientist
 American Society of Civil Engineers
 Annals of the Association of American Geographers
 Earth
 Journal of Geology
 Journal of Hydrology
 Maryland Environmental Quality Atlas
 NAS
 Oxford University Press
 Water Resources Research
 book reviews
 1981 consultant, *Flood Time-Life*
 1974 consultant *Physical Geography Today*

Box 29

Series 3.2 Presentations
 1952 Indus River Symposium
 1954 Basic Mechanics of Sediment and Flow course
 1954 Geomorphology lecture notes, University of Minnesota
 1957 “Two Problems Involving River Channel Changes,” ONR Symposium
 on Quantitative Methods in Geomorphology
 1957 study trip to Argentina, Brazil, and Peru
 1962 Regional Conference of Southeast Asian Geographers, Kuala Lumpur
 NSF delegate
 1962 JHU Senior Banquet
 1966 Study trip to Federal Republic of Germany

1966 "Don't Drink the Water-Don't Breathe the Air," JHU Alumni, Houston
1968 "Equilibrium Concepts in Geomorphology Related to Water Management,"
University of Illinois, Urbana
1968 American Institute of Architects annual conference
1968 "Geology and Geography" Md. Governor's Conference on the Chesapeake Bay
1968 International Geographical Congress, New Delhi
1971 "Assessment, Appraisal and Directions for Research" Chesapeake Bay cruise
1971 International Union of Geodesy and Geophysics conference, Moscow
NAS delegate
197- Land and Water Use: The Urban Dilemma panel, Environmental Teach-In, JHU
1972 Water Quality Research Council symposium
1972 "Rivers Systems: Planning & Environmental Aspects" University of Nebraska
short-course
1972 6th Urban Conservation Tour, Baltimore
1972 Floodplain seminar, Baltimore City Council
1973 "Relating River Channel Processes and Land Forms;" "River Response to Nature
and Man: The Styxian Model of Pollution,"
lecture series, University of London
1973 Storm water management seminar, Engineering Society, Baltimore
1974 "Urban Erosion," International Association of Hydrological Sciences
1974 Polish exchange on Environmental Systems Analysis

Box 30

Series 3.2 Presentations

197- "Environment 2020," WRC-TV program
1975 Interstate Commission on the Potomac River Basin symposium
1975 "Problems and Management of Urban River Channels," Garden Club tour
1975 Science and Public Policy seminar, Haverford College
1976 10th Annual Maryland Conservation Seminar
1977 Channel Geometry seminar, USGS
1977 Watershed research workshop, Smithsonian Institution
1977 "The Natural Paranoia and Schizophrenia of Interdisciplinary Education"
"Science and the Search for a National Water Quality Policy,"
University of Maryland
1977 "Death in the Afternoon?: The Environment," JHU
1977 The Energy Dilemma conference, Md. General Assembly
1978 "Environment: The Geographic Mission of Physical Geographers,"
University of Wisconsin
1978 "Geographic Perspectives on the Environment: American and Chinese
Views," Johnson Foundation Symposium
1979 "Energy R&D Priorities-Decentralized Electricity and Cogeneration Options,"
Aspen Institute Workshop
1979 Philips Petroleum energy seminar for Board
1980 Flood and Famine Workshop, Harvard
1980 Conservation Fund, Conservation/Population meeting
1980 Soil Transformation and Productivity workshop, NAS

1981 Drought Management workshop, Interstate Commission on the Potomac R.
1981 JHU delegation to Nanjing, China
1982 University of Iowa visiting professor
1982 Appalachian symposium, AAAS
1982 Waste water meeting, Engineering Society, Baltimore
1982 Earth Survey Applications Division, NASA
1983 Advanced Technology conference, Maryland Humanities Committee
1983 Channel Stability and Fish Habitat symposium, Carmel River, California
1983 "Abel Wolman," Maryland Society of Professional Engineers
1984 Water Quality Criteria workshop, EPA
1984 "The Environment: Government on the '2 x 4' Principle," Dartmouth College
1984 Geological Society of America, Annual Conference, Reno
1984 International Geological Congress, Moscow

Box 31

Series 3.2 Presentations

1984 Field trip to Siberia, International Geological Congress, Moscow
1985 Uses and Management of Water for Human Needs workshop,
Rene Dubos International Forum
1985 Wesleyan University visiting lecturer
1985 Off-site Costs of Soil Erosion symposium, Conservation Foundation
1985 "Structure and Scale in Geomorphology," GSA Presidential Address
1986 "Background Paper: Criteria for Land Use," Dahlem Workshop on Resources
and World Development: Water and Land"
1986 Sediment Delivery symposium, Albuquerque, NM
1987 JHU Commemoration Day

1987 Political, Institutional and Fiscal Alternatives to Accelerate Nonpoint Pollution
Programs conference, Marquette University
1987 Rivers conference, Ottawa
1987 Yellow River workshop; *Taming the Yellow River* papers
1988 "Environment: Policy and Priorities," JHU Convocation
1988 "Science for Responsible Regulation: Environmental Quality and Resource
Allocation," U.S. Dept. of Agriculture FOCUS 1988
1988 Project Impact Indicators workshop, Agency for International Development
1988 Baltimore Metropolitan Leadership Conference, Goucher College
1988 "The Environment and the Half-Life of Politicians," University of Wisconsin
1989 "Abel Wolman," memorial service
1989 New Research Directions in Geomorphology and Transport of Sediment and
Contaminants conference, USGS
1989 Water and the City conference, Public Works Historical Society
1989 "The Impact of Man," AGU
1989 National Council for Geographic Education, Distinguished Mentor award
1989 American Geographic Society, Cullum Medal
1990 "Midden Management," Conference on Environmental Issues, Academy of
Natural Sciences

1989 "Quality and Quantity: Water for the Future," Franklin & Marshall College
1990 "Steven Muller," JHU
1990 "Gravel-Bed Rivers: Some Possible Keynotes," Universita degli Studi di Firenze
1990 "More than Maps: Geography for Today's World," JHU Odyssey program
1990 "Geography: Some History," Rutgers
1990 "John Hack," GSA Distinguished Career award
1990 "The Environment: 20 Years Later," Park School, Baltimore

Box 32

Series 3.2 Presentations

1991 International Conference on Agriculture and the Environment, Ohio State
1991 "The Earth and Human Affairs," GSA
1991 "Impact of Human Beings on the Habitability of the Planet," American Philosophical Society
1991 American Society of Civil Engineers, Life Member
1991 Evergreen Society, inaugural meeting address
1991 Industrial Ecology conference, NAS
1991 History of Agriculture and the Environment, U.S. Dept. of Agriculture
1991 "Critical Water Quality and Stream Channel Issues," Engineering Foundation Conferences
1991 Geomorphology and Sediment Transport Group conference, USGS, Hood River
1991 "Luna Leopold," GSA Distinguished Career award
1991 JHU Alumni dinner
1991 International Symposium on Flood Disaster Reduction in South-East Asia, Tokyo
1991 "The Hydrologic Cycle," ASCEND 21 (Agenda of Science for Environment and Development in the 21st Century), Vienna
1991 Population Change and Land Use in Developing Countries workshop
1992 "Global Change: The Customary Interdisciplinary Dilemma," Villanova
1992 "Surface Water Quality in the World/US," Beltsville Agricultural Research Center 17th Annual Symposium
1992 National Forum on Water Management Policy, American Water Resources Association
1992 "Revisiting the Chesapeake," JHU Alumni College, St. Michael's, MD
1992 "Accomplishments in Improving the Nation's Surface Water," UCOWR Universities Council on Water Resources
1992 International Geographic Union, 27th Congress, Washington, DC
1992 International Geological Congress, Kyoto, Japan
1992 "Experiences with Environmental Programs," Colloquium on Environmental Research and Education, North Carolina State University
1993 Association of American Geographers, Distinguished Career Award
1993 Baltimore City Health Department, 200th anniversary conference
1993 Land Use Workshop, Population, Environment and Development forum, Rene Dubos Center
1993 International Conference on the Environmental Management of Enclosed Coastal Seas

1993 Population Summit of the World's Scientific Academies, New Delhi
1994 "Play: The Handmaiden of Work," Institute of British Geographers
1994 "Lucien Brush," JHU Memorial service
1994 "Water Quality and Human Activity," University of Arizona
1994 On Rules and Rule-Making, JHU colloquium
1994 Effects of Human-Induced Changes on Hydrologic Systems, AWRA
symposium
1994 "Human and Ecosystem Health: Management Despite Some
Incompatibility," International Symposium on Ecosystem Health
and Medicine
1994 Climate Change Breakfast with V.P. Gore, Office of Science and
Technology Policy
1994 British Geomorphological Research Group, Linton Award
1994 "Once Upon a Time: Engineering Sanitation and Public Health,"
American Society of Civil Engineers
1994 Population and Landuse workshop, NRC
1995 "Politics, Engineering, and Decision Making," University of Washington
1995 Southeast Asia conference, International Association of Geomorphologists,
Singapore
1995 USGS National District Chiefs meeting, Portland, OR
1995 "Impacts on Fresh Water Quality and Quantity,"
Conference on Human Health and Global Climate Change, NAS
1995 "Conclusion," National Rural Studies Committee Conference, Oregon
State University

Box 33

Series 3.2 Presentations

1996 Stream Restoration Information Exchange, Md. Department of
Natural Resources
1996 National Environmental Monitoring and Research Workshop,
National Science and Technology Council
1996 Ruth Patrick Day, Savannah River Ecology Laboratory
1996 Maryland Water Monitoring Council, 1st Annual Conference, Md. DNR
1996 "Human Impact: Earth's Response to Stress," International Symposium of
Earth System Evolution Program, Toronto
1997 International Clean Water Conference, Baltimore
1997 "Resource Endowments and Climate Damage: Invited Comment," Climate
Change Policy in Germany and the United States Conference
1997 Ian Campbell Medal, American Geological Institute
1998 Adaptation to Climate Variability and Change workshop, Intergovernmental
Panel on Climate Change
1999 "Landscape History and Watershed Protection," Gunpowder Valley Conservancy
Conference
1999 Abel Wolman Chair, installation
1999 Climate Change and Adaptation Research workshop, Washington Advisory Group
1999 "Incorporation of Scientific, Technical and Societal Information in Ecosystem

Management,” Research Frontiers and Applications for Water Resources Infrastructure in Urban Watersheds

1999 “Water: Facts and Futures,” USGS symposium honoring Michael T. Halbouty

1999 Large Rivers Working Group, International Association of Geomorphologists Yangtze River

1999 “George Benton,” JHU memorial service

1999 Penrose Medal, Geological Society of America

1999 “European Visions, American Realities: Finding a Place for Engineering at JHU,” JHU Whiting School anniversary

2000 Perils and Promise of Competition of Water conference, Carnegie Corp.

2000 Horton Medal, American Geophysical Union

2000 Exploratory Workshop on Earth System Engineering, National Academy of Engineering

2000 Colorado River Sediments workshop, USGS

2000 “The Human Impact: Some Observations,” American Philosophical Society

2000 Schad Symposium on National Water Resource Politics

2001 Watershed Management symposium, Virginia Tech

2001 “The World’s Water: Has the Albatross Arrived?” “River Behavior: The Return of Catastrophe,” University of Illinois Distinguished Lecturer

2001 Population and Landuse, Tri-Academy workshop, New Delhi

2001 “Water and Lives,” Pardee Symposium, Boston

2001 “Enhancing Scientific Capacity in Developing Regions: Three Experiences” AAAS Consortium of Affiliates for International Programs

2001 “An Easterner’s View of a Westerner’s View of Land and Water” Nevada Medal, Desert Research Institute

2002 JHU Alumni talks

2002 “Some Truths about the Environment,” Harriet Shriver Rogers Lecture, JHU

2002 National Academy of Engineering election

2003 “Biosolids,” Joint Residuals and Biosolids Management Conference

2003 JHU Class of 1943 60th reunion

Box 34

Series 3.2 Presentations

2003 Water Resources Management for Line Officers workshop

2003 Abel Wolman award, Chesapeake Water Environment Association

2003 Conference on Maryland Water Policy, University of Maryland

2003 National Surface Water Conference, USGS

2003 American Society of Civil Engineers, Ocean City, MD

2004 Lifetime Achievement award, National Conference on Science, Policy and the Environment

2004 “Truth about the Environment,” Northwest River Restoration

2004 “The More Things Change,” Association of American Geographers

2004 JHU Class of 1949 55th reunion

2004 “Charles O’Melia,” ACS meeting, Philadelphia

2004 Integrated Hydrologic Monitoring workshop, Maryland Water Monitoring Council

2004 Outstanding Contributions award, Water Environment Federation
2004 Hurricane Isabel Conference
2004 Maryland Water Monitoring Council
2005 JHU "Old Guard," 1929-29
2005 "Ecosystems and Agriculture," Center for a Livable Future
2005 River Restoration short course
2005 "Charles ReVelle," Memorial service, JHU
2005 Bonchek Policy workshop, Franklin & Marshall College
2005 Human Influences on the Biology of the Potomac River symposium
2005 Strengthening the Scientific and Technical Responses to Hurricane Katrina, NAS
2006-07 invitations to speak locally
2006 Benjamin Franklin Medal
2006 Water Law workshop
2006 Maryland State-County Groundwater symposium
2006 Binghamton symposium
2006 American Water Resources Association annual conference
2007 Maine Water Conference
2007 JHU Legacy event
2007 Stream Restoration course
2007 Resources for the Future
2007 William Morris Davis Lecture, Boston College
2007 Stream Restoration, Rocky Gap, MD
2007 JHU Alumni
2007 "The Clean Water Act: Reflections and Lessons," ICSWE, Sapporo, Japan
2007 Nutritional Health, Food Production and the Environment, Center for a Livable Future
2007 Yangtze/Three Gorges
2008 "Les Harris," memorial service
2008 "Leo Levy," memorial service
2008 Dan Okun Memorial Symposium
2009 Water Symposium, Bloomberg School of Public Health, JHU
2009 Ed Bouwer, Abel Wolman Chair installation
2009 Schad Professor installation
2009 JHU Class of 1949 60th reunion

Box 35

Series 3.3 Research
1951-52 Brandywine Creek, PA
1953 Meanders, Pools, Riffles
1953 MD-VA field notes
1953 Nebraska, Wyoming field notes
1954 MD, VA, Connecticut River field notes
1954 Pebble Count statistics and sampling; article drafts
1954 Channel shape
1954 cross sections, roughness study

1954 radioactive tracers
1954 data from slope-area and verification reaches
195- Montgomery Co. land use history
195- Watts Branch, bank erodibility and cohesion
1955 sediment budget and origin studies
1955 Rock Creek runoff traps, bank recession
1954 meanders
1954 pools and riffles
1954 channel pattern study
1955 Connecticut River flooding
1956 South America field notes; Oklahoma field notes
1956-57 Sisters field notes; Seneca Creek field notes
1956, 1967, 1988 Seneca Creek
1956 strip mining
1956-59 meander lab studies
1956 flume
1956 Vertical velocity curves, Wyoming
1957 Vertical velocity profiles
1957 unused plots and computations based on MD flume
1957 historical data re: rivers, erosion, land use
1957 erodability studies
195- gully and headcut articles
1957 gaging stations-bed and bank material plus cross-sections

Box 36

Series 3.3 Research

1957 [USGS] work folder
1958-60 MGW research proposals
195- downstream-Powder R., Colorado R., Missouri R.
195-drainage pattern and drainage basin interrelations
1958 Factors Influencing Erosion of a Cohesive River Bank
 [Watts Branch, Montgomery Co.]
195- symposium paper data
1959 floodplains
1959 PA field notes
1959 density current experiment
1959-1960 Jones Falls, Herring Run field notes
1959 Experimental Study of Factors Controlling the Size and Shape of Stream
 Channels in Coarse Non-Cohesive Sands
1960 Knickpoint
1960 Experimental Study, River Channels New York talk
1960 Equilibrium channels non-cohesive
1960 Pennsylvania creek data
1960 Maryland stream flow data
1961 Israel field notes

1961-64 Baltimore area field notes
1961 report on flood problems along streams in Baltimore County
196-urban channels [Baltimore area]
1960 military hydrology
1963 geography of river and canal navigation
1960 river navigation
196- inland waterway
1964 water pollution control study-legal and economic
1964 hillslope characteristics and processes [*Fluvial Processes in Geomorphology*]
1968 Jones Falls field notes
1968 climate and geomorphic processes
19—Rhine River, Nile River historical data
1962 field notes Malaysia
1966 Mexico field notes

Box 37

Series 3.3 Research
1972 Patapsco River field trip
196- soils and weathering notes
197- Stony Run
1982 Oella, Granite, MD
1973 Loch Raven Reservoir
196- Serpentine Barrens, MD
1963 Maryland projects
1961 Jones Falls report
197- Chinguapin Run
197- Western Run
1976 Gunpowder River, MD
1966 Sleepers River, VT
196- Nelson River, Manitoba

Box 38

Series 3.3 Research
1972 Hurricane Agnes, Patapsco River flooding
1963 “Study of the Sources, Movement and Distribution of Sediment in a Small Watershed”
NSF proposal and data,
1964- gaging station at Baisman Run, Baltimore County
USGS proposal, correspondence, data

Box 39

Series 3.3 Research
1964- gaging station, Baisman Run continued
1968 India, Aligarh region visit with Libby Whitcomb and Asher Schick

1971 field notes on Baltimore area streams
1972 field notes on Colorado River
1970-74 power plant siting on the Chesapeake Bay
197- Tigris and Euphrates flow
197- Susquehanna River data and study
1971-73 Brandywine Conservancy project
1973 Management of Flood Prone Lands in Baltimore County
study proposal
1973 Quality and Quantity Control of Urban Run-off
proposal with L. M. Brush
1973 State of Maryland water study proposal
1973-79 Maryland Environmental Trust research proposals
1974 Urban channels, Baltimore
1975 LaSalle Expedition
1976 Rural Poverty on the Chesapeake Bay, Ford Foundation
1977 field notes Beard's Farm, Patapsco River
1978-82 field notes various Baltimore area sites
1980 Water Quality Monitoring criteria, Maryland
1980 "Reassessment of the Concept of Bankfull Discharge and Floodplain
Formation in Some Rivers in the Middle Atlantic Region"
with D. J. Coleman
1982 Amazon River proposal
1982 Nile River proposal
1985-87 field notes Colorado River, Reston, VA, Germany Valley
1988 Water and Sanitation for Health, AID proposal

Box 40

Series 3.3 Research

1988-89 Soil erosion study with Pierre Crosson
U.S. Soil Service
1992 effects of acid deposition on soils, NSF
1992 "Patterns, Scale and Hydrology in Semi-Arid Catchment with
Karin Hoover, NSF
1992 Effects of Acid Disposition on Soil with Alan Stone, NSF
1992-94 Water Supply Planning in Climate Uncertainty (Potomac)
with John Boland, NSF
1993 Truxton Park
1994-95 Planform Change Forecasting with Peter Wilcock, USGS
1996-97 Israel
1997- Baltimore Long-Term Ecological research study with Erica Schoenberger
W.P. Carey Foundation

Box 41

Series 3.4 Consulting Work

1961-62 Herring Run flood study

1963 Construction sedimentation study for Md. Pollution Control Commission
1963 Preliminary Storm Drainage Plan for Baltimore Region with L.M. Brush
1963 Report on Utilization of Floodplain Lands in Baltimore County, Gwynns Falls
1965 Research Program for the Potomac River
1965 "Water Demands in the Potomac Basin: Water Supply, Quality Control, Recreation, Flood Control," discussion paper
1967-70 Potomac Sand and Gravel Company
1968-70 Colony Development Operation, Atlantic-Richfield, shale oil project
1969 Sediment Control Program, Md. Dept. Water Resources
1969 Potomac Landfill suit, wetlands
1970 Ocean Mining, Inc., Tocantins River, Brazil
1970 Chas. T. Main, International, LaFortuna, Panama
1970 Chesapeake and Delaware Canal testimony
1971 Soldier's Delight, Baltimore County, MD
1972 Carling Brewing Co., Patapsco River flooding
1972 Matz, Childs Associates, Moores Run Flood Study, I-95
1972 "The Housing Market and Code Enforcement in Baltimore," Baltimore Planning Department
1972 "An Evaluation of the Model Cities Sanitation Program," Baltimore Urban Observatory

Box 42

Series 3.4 Consulting Work

1972 "An Evaluation of the Model Cities Sanitation Program," Baltimore Urban Observatory, report and photographs of city streets
1972 Commonwealth Edison (IL) water quality standards testimony
1965-1982 Lake Roland (Baltimore County), sedimentation study
1973 Wye Island water study, Rouse Company

Box 43

Series 3.4 Consulting Work

1973 Perilla Pond, Sykesville, MD
1973-80 Crown Central Petroleum, dredging Baltimore harbor
1974 Baltimore Harbor dredging, review report, MD Water Resources Administration
1974-79 Stony Run (Baltimore), Save Our Streams
1974-75 "Report on the Potomac River: An Investigation to Determine Navigability," with Garrett Powers, USGS
1976 Laurel Racetrack, Patuxent River flooding

Box 44

Series 3.4 Consulting Work

1977-81 Alexandria, VA waterfront, high-water line testimony
1979-80 Hart & Miller Island, Baltimore Harbor dredging spoil with L.M. Brush
1981-86 Power plant siting, acid deposition, MD Dept. of Natural Resources
1984-86 "Hydrogeochemistry...Sulfide and Arsenic-rich Tailings and Alluvium

Along Whitewood Creek, S.D.” Homestake Mining Co.

Box 45

Series 3.4 Consulting Work

1984-86 Homestake Mining continued

1997 Homestake Mining Whitewood Creek clean-up proposal,
expert testimony

1985 environmental trends report, NUC Corporation

1987-89 Baton Rouge clean-up site, expert testimony

1992 Annapolis Creeks Restoration Project, technical expert

1992 “Overview of Water Resource Management Issues...Potomac Basin
under Climate Uncertainty,” U.S. Army, Corps of Engineers

1994 Pulaski Highway Incinerator, Whiting-Turner Co., technical expert

1994 Gwynn’s Falls Watershed, Natural Resource Management Plan

1994 Snake River/Boise Adjudication Team, U.S. Forest Service

Box 46

Series 3.4 Consulting Work

1996 Israel water

2001 Lower Fox River expert panel review, Johnson Company

2001 Susquehanna River Basin litigation, Baltimore Bureau of Water and Waste Water

2001-7 Catskill River Turbidity Control Study, technical expert, Gannett Fleming,
Hazen and Sawyer

2004 Meadow Mills, Jones Falls flooding

2007 York Road stormwater runoff, Broadmead

Box 47

Series 3.4 Consulting Work

Brown University, 1993

Clark University, 1993

Dickinson College, 1994

Hebrew University, 1982

Andrew Mellon Foundation, Conservation and Environment Program, 1993

Montclair State College, 1992; 2001-4

Nuclear Regulatory Commission, Waste Site Suitability Criteria, 1977

Oak Ridge National Laboratory, Environmental Sciences Division, 1998

Oregon State University, 1992

Rand Corporation, Science and Technology Unit, 2000

Rutgers University, 1976

Stockton State University, 1985

University of Arizona, 1987

University of Colorado, 1986

University of Maryland, Baltimore County, 2001

University of Michigan, 1977, 1981

University of Minnesota, 1989

University of Pennsylvania, 1984
University of Virginia, 1980
Utah State University, 1993
West Point, 1977, 1978

Box 48

Series 4.1 Teaching
Geomorphology courses 1960s-2008

Box 49

Series 4.1 Teaching
Geomorphology courses (continued)
Man & Environment course, 1970-1986
Advanced Seminar: Water Re-Use, 1968
Politics and Science of World Hunger, 1976
Alternative Lifestyles (intersession) 1977
Intersession courses, 1971-77

Box 50

Series 4.1 Teaching
Water monitoring, 1977
Geography course (Odyssey program), 1990
Environmental Literacy, 1991
Logic of Environmentalism, 1993-95
Introduction to Geography, 1988-2002
Introduction to Environmental Engineering, 1997
Water Resource Development, 1990s-2003
The Engineer & Society, 2001
Sediment: Source to Sink, 2009
Photogrammetry course notes, 1940s

Box 51

Series 4.1 Teaching
Environmental Engineering science
student course evaluations, 1968-2005

Box 51 (continued)

Series 4.2 Administration
Water Science & Management Program, 1962-73
Rhodesia irrigation study, Richard Arvidson, 1963-66

Box 52

Series 4.2 Administration
Mellon grant for student research, 1979-81
Pew Global Stewardship proposal, Health & Water, 1993

Report to Ford Foundation on Program of DOGEE, 1976
“Business & Government: What are Rights and Responsibilities of Each?”
General Motors Business Understanding Program report, 1981
Systems Analysis and Economics for Public Decision Making
HEW proposal, 1977
Environmental Surface Science and Technology Research Center
NSF proposal, 1989-90

Box 53

Series 4.2 Administration
DOGEE courses, 1980s
DOGEE departmental seminars, 1973-79, 1988-90
DOGEE mission, philosophy, 1983-92
“Geography at JHU,” 1992
DOGEE planning 1998-2006
DOGEE self study 2003-05
DOGEE department meetings, 1988-97

Box 54

Series 4.2 Administration
DOGEE history
DOGEE printed material
DOGEE memorials event programs, 1970-2004
Whiting School of Engineering anniversaries, 1989, 1999
DOGEE general correspondence, 1990s
correspondence with Steven Muller, 1972-90

Box 54 continued

Series 4.3 Committees
JHU Long Range Planning Committee, 1964-69
Arts and Sciences Faculty Committee on Governance, 1970

Box 55

Series 4.3 Committees
Arts and Sciences Faculty Committee on Governance, 1967-71
JHU Development campaigns, 1983, 1986-90
JHU Press, 1992-93
JHU Evening College future directions committee, 1981
JHU Class of 1949 reunion committee, 1996-99
JHU Institute for Policy Studies, 1972-90s

Box 56

Series 4.3 Committees
JHU Institute for Policy Studies, 1973-94
JHIPEGO Board, 1992-2002

Box 57

Series 4.3 Committees

JHU Department of Environmental Health, 1997-2005

JHU Center for a Livable Future, 1997-2005

Box 58

Series 5.1 Student Work

1932-42 Park School papers

1939 Mystic, CN 4-H papers and dairy farming research

1941 Experiment in International Living, Nova Scotia printed ephemera

1946 U.S. Navy discharge papers

1946 JHU student papers

 "Pakistan in the Solution of the Indian Problem,"

 "The Collapse of France"

 "Agriculture"

1949 JHU lacrosse, basketball awards

1949-51 Harvard Forest field trips

1949-51 Harvard student notes on geology, geomorphology

Box 59

Series 5.1 Student Work (continued)

1950-52 Harvard student notes on hydraulics, structural geology,

 "Dating Appalachian Erosion Surfaces"

1953 USGS Surface Water Reviewer's Course notes

Box 59 (continued)

Series 5.2 About

1948-2011 articles about MGW

Curriculum Vita

Who's Who entries

Wolman family tree

2000 interview for Baltimore Civil Rights Oral History Project

Hamilton Street Club

Old Timers

Maryland Historical Society

1971-88 American Technicon Society

1979-2001 Lewis Baer Foundation

address lists

1971-1990 daily calendars

Box 60

Series 5.3 Awards

1960 Franklin & Marshall Geological Society

1967 Potomac Planning Task Force Service Award
1981 British Geomorphological Research Group David Linton Award
1986 Maryland Governor's Science Advisory Council
1989 USGS Service Award
1995 MG Wolman Career celebration
1996 NRC Commission on Geosciences, Environment and Resources award
1996 Explorer's Club
2002 UC, Davis Science Advisory Committee service award
2003 NAS Transportation Advisory Board
2004 NAS Water Science and Technology Board
2006 Center for a Livable Future Leadership Award
2010 Jewish National Fund
2011 "The Wolman Pebble/People Count: Embracing Science and Art,
An Installation" invitation
n.d. Geological Society of America 50 Year Fellow award
n.d. University of Washington, Vistas in Engineering Lecturer

Series 5.4 Photographs and AV

various photos of MGW
Sinai Hospital Board officers
1913 Miami River flood, Piqua, Ohio
1953 Minnesota International Hydraulics Convention
1971 JHU Francis Pettijohn Conference
1974 Thames River
1980 DOGEE department party with bowties
1983 Delft Institute Hydraulic Research, Soil Productivity Group
1987 JHU undergraduate commencement
1989 USGS Award ceremony
2002 National Academy of Engineering election

recordings:

1990 remarks at dinner honoring Seven Muller
1991 "Man as a Geologic Agent," American Philosophical Society
1993 Hopkins Engineering Alumni event
1994 "Radio 4"
2004 Special on Ruth Patrick, WHYY TV
2004, 2005 Franklin Institute awards ceremonies
n.d. China-U.S. Seminar on Flood Prevention Measures of the Lower Yellow River

Box 61

Series 5.5 Abel Wolman
photographs
1970- articles about AW

1989 correspondence re: AW papers
1989 memorial service
1990-2008 NAS Abel Wolman Distinguished Lecture
1982-89 Abel Wolman Fund
1983-90 Abel Wolman Institute, Israel

Box 62

Series 5: Oversize

1949 JHU BA degree ceremony program
1948 (?) photograph of AW and MGW wrapped in blanket (2) Sanitary Engineering
Department picnic
1949 JHU lacrosse game, MGW taking shot

1961-1970 DOGEE department photo album
1979 certificate, member of MD judicial nominating commission,
eighth judicial circuit
1981 certificate, election to American Academy of Arts and Sciences

1985 poster announcing MGW lecture "The Environment: Gaining or Losing?"
1989 certificate, USGS John Wesley Powell award
1991 resolution of thanks for serving as Interim Provost, JHU
1995 scrapbook for the celebration of MGW career
1995 certificate, President's Medal, JHU
2005 certificate, Milton Stover Eisenhower Medal, JHU

Box 63

Series 5: Oversize materials

1951 Harvard MA degree
1953 Harvard PhD degree
1955 hand-drawn map of Cherry Brook, Salmon Brook,
by Wolman, Euler, Leopold
1990 certificate, Admiral of the Chesapeake Bay
1995 certificate, Maryland Geological Survey
2006 certificate, Franklin medal

