Derek J. de Solla Price Papers, 1941-1984

Finding Aid

Adler Planetarium & Astronomy Museum

Webster Institute for the History of Astronomy
Chicago, Illinois
2006

Contact Information:

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Descriptive Summary of the Collection

Title: Derek J. de Solla Price Papers

Creators: Derek J. de Solla Price, Anthony Michaelis, and Roderick and Marjorie Webster

Dates: 1941-1984

Extent: 5 linear feet (9 boxes, including 1 oversized box)

Language: Materials are predominantaly in English, with some dcouments in French, German, Polish, and ancient Greek.

Repository: Webster Institute for the History of Astronomy, Adler Planetarium & Astronomy Museum, Chicago

Abstract: Articles, correspondence, notes, photographs, memorial items, and other writings dating from 1941-1983, relating to the career of Derek John de Solla Price, a British-born American historian of science and astronomy who specialized in the history of scientific instruments.

Administrative Information

Cite As: Derek J. de Solla Price Papers, Adler Planetarium & Astronomy Museum, Chicago.

Provenance: Gift of Ellen Price, 1983 and 1984.

Processed by: Laura Crosset and Kelly Reiss, 2005; Jodi Lacy, 2006.

Access: Obtained by completing a Research Request Form. Contact the Webster Institute for the History of Astronomy at (312) 322-0594 or astrohistory@adlerplanetarium.org.

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Historical Background

Derek John de Solla Price was born, as Derek John Price, in London on January 22, 1922. He received a B.S. in physics and mathematics from the University of London in 1942, and a Ph.D in metallurgical physics from the University of London in 1946. After receiving his first Ph.D he continued his work as the Commonwealth Fund Fellow in Mathematical Physics at Princeton, and as lecturer in applied mathematics in Raffled College, University of Malaysia in Singapore. In 1950, Derek Price began work on a Ph.D in history of science at Cambridge University, which he finished in 1954. During his time at Cambridge he focused on a study of scientific instruments, including the creation of catalogue of the collection of instruments in the Cavendish Laboratory; began work on the International List of Astrolabes that he would complete in 1973; studied horology; investigated fake scientific instruments; and discovered a manuscript potentially written in the hand of Chaucer in 1392. In 1962 Price became the Avalon Chair of the History of Science at Yale University where he would remain actively studying and teaching for rest of life.

Major themes of Derek Price's scholarship include the quantitative studies of science, scientific instruments, and the social-historical theory of science, technology, and their interrelations. He advanced the study of scientific instruments in his work with astrolabes, the Tower of the Winds, and the Antikythera mechanism. He also concentrated on studying the science of science, science policy, and explored the future of science through the exponential growth of scientific discovery. Price was interested in a wide variety of subjects, and even published a short story in 1940 entitled "Never No Trouble."

Derek Price was a prolific writer. He published 259 articles, wrote or edited 14 books, gave numerous lectures, presentations of papers, and testified before United States Congress on several occasions. His books include *Little Science, Big Science, The Equatorie of the Planetis, Gears from the Greeks,* and *Science Since Babylon*. He held 75 honorary posts, consultancies, fellowships and memberships of editorial boards. Derek Price received the Leonardo da Vinci Medal from the Society for the History of Technology in 1976, and the John Desmond Bernal Award from the Society for Social Studies of Science in 1981.

Derek Price married Ellen Hjorth of Copenhagen in 1947. They had three children, Jeoffrey, Linda, and Mark. Derek John Price added "de Solla" to his surname around 1950 in respect to his mother, singer Fanny de Solla. He became a naturalized citizen of the United States in 1980. He died in London on September 3, 1983.

Scope and Content of the Collection

Articles, correspondence, notes, photographs, memorial items, and other writings relating to the career of Derek John de Solla Price.

The bulk of the collection consists of copies and drafts of 189 of Price's journal articles, reviews, lectures, presentations, and letters to the editor. The collection also includes materials related to several of Price's major projects, including *A Computerized Checklist of Astrolabes* and research on the Antikythera Mechanism. Another major component of the collection consists of published and unpublished eulogies, condolence letters, and other materials relating to Price's death in 1983.

The Derek J. de Solla Price Papers span the years 1941 to 1984. The materials are organized in the following groupings:

Series 1: Collected Research Materials, 1958-1983
Series 2: Astrolabes, 1974-1982
Series 3: Antikythera Mechanism, 1959-1981
Series 4: Works, 1941-1984
Series 5: Notebooks, 1952-1976
Series 6: Personal Materials, 1976-1983
Series 7: Memorial, 1983-1984
Series 8: Undersized Audio Materials, 1983
Series 9: Oversized Materials, 1955-1984

Note: The Webster Insitute for the History of Astronomy also owns a collection of Price's photographs, described by Bruce Stephenson in "The Derek Price Archive at the Adler Planetarium," Nuncius 16:2 (2001), 739-746. The Adler Planetarium Institutional Archives and the Webster Papers may also contain relevant information. Another collection of Price's papers exists at the Cité des Sciences, La Villette, France.

Container List

Series 1: Collected Research Materials, 1958-1983

Articles, bibliographies, and works on subjects Price researched. This series contains correspondence between Price and his colleagues, including J. Clergues, Max Detietsen, Hugh Edwards, O. Rundle Gilbert, M.M. Hallett, H.D. Howse, H. Alan Lloyd, Francis R. Maddison, A.L. Riha, Emilie Savage-Smith, D.L. Simms, and Roderick and Marjorie Webster. Many of the folders in this series contain handwritten notes and drawings presumably made by Price. Respect to original order was observed for the following folders: Brass/Bronze Metallurgy (Folder 1), DeDondi Planetarium/Giovanni DeDondi (Folder 4), Islamic Celestial Globes (Folder 8), and Sundial Classification (Folder 13). Arranged alphabetically by subject or title.

Box	Folder	Contents
1	1	**Brass/Bronze Metallurgy**. Eight articles, four typescripts, correspondence, and notes.
	2	Joseph Needham, "**Chinese Astronomy and the Jesuit Mission**: An Encounter of Cultures." London: The China Society, 1958.
	3	**Correspondence**, 1964-1983. Arranged chronologically.
	4	**De Dondi Planetarium/ Giovanni De Dondi.** Correspondence and notes.
	5	O. Neugebauer, "**A History of Ancient Mathematical Astronomy**, Part 2." New York: Springer-Verlag, 1975.
	6	"**Hugh LeCaine**, B.Sc., M.Sc., Ph.D. (1914-1977)—Portrait of a scientist/musician," 1977.
	7	Romeo B. Garrett, "**Imhotep—Father of Medicine**," n.d.
	8	**Islamic Celestial Globes**. One article, one typescript, and correspondence in English; one typescript in French.
	9	I.S. Spiegel-Rösing, "**Journal Authors as an Indicator of Scientific Manpower**; a Methodological Study for the Two Germanies and Europe," 1972.
	10	"**Notes Bibliographiques**," *Comite Belge D'Histoire des Sciences,* 1962, 1963, and 1967.
	11	**Projectors**. Two articles with notes in Polish; one typescript with notes.
	12	**Publishing Scientists**. Table and notes.
	13	**Sundial Classification**. Articles, correspondence, and notes.
	14	"**The Wise Book**." Two typescripts in Elizabethan English and notes in modern English.
	15	David Pingree, "**Sanskrit Astronomical Tables in the United States**," 1968.

Container List, cont.

Series 2: Astrolabes, 1974-1982

Notes, correspondence, and articles about *A Computerized Checklist of Astrolabes* (CCA) a "collection of computer printouts, prepared by Sharon Gibbs, Janice Henderson, and Derek de Solla Price, listing over one thousand planispheric astrolabes." Most of Price's astrolabe notes are in Series 5, although some are also present here, along with the notes of Sharon L. Gibbs, one of his collaborators on the project. The correspondence consists of letters between collaborators, as well as inquiries and purchases. Arranged chronologically within folders.

Box	Folder	Contents
1	16	"**A Computerized Checklist of Astrolabes**," typescript and S.L.G., "A Computerized Checklist of Astrolabes," *Journal of the History of Astronomy* (1974): 143.
	17	**Introduction to *A Computerized Checklist of Astrolabes***. Typescript.
	18	"**Histoire des Sciences: Livres—Instruments**" (Paris: Alain Brieux, June 1976). Photocopy of title page and page 58.
	19	"**Société Internationale de l'Astrolabe**" (Yale University, Oxford Meeting, July 1982). Typescript.
	20	**Correspondence regarding compilation of *CCA***. Incoming and outgoing correspondents include M. Alain Brieux, Robert G. Chenhall, Marcel Destombes, Sharon L. Gibbs, N.T. Gridgeman, Derek de Solla Price, and Tullio Tomba.
	21	"**Sharon's Notes**" [Sharon L. Gibbs]. Photocopies.
	22	**Correspondence regarding purchases of *CCA*.**

Series 3: Antikythera Mechanism, 1959-1981

Documents related to Price's work on the Antikythera mechanism. Documents include lecture notes, notes and drawings, articles by and about Price and the Antikythera mechanism, a notice from the Greek Minister of Culture accepting the gift of a Greek astrolabe, correspondence, and proofs for *Gears from the Greeks*. The series includes with a draft (possibly with annotations by Price) of *Gears from the Byzantines* by J.V. Field and M.T. Wright, and the published version, *Early Gearing: Geared Mechanisms in the Ancient and Mediaeval World*. Folders are arranged chronologically; within each folder, documents are maintained in their original order.

Box	Folder	Contents
1	23	"**On the Origin of Clockwork, Perpetual Motion Devices and the Compass**," *Contributions from the Museum of History and Technology: United States National Museum Bulletin* 218 (Washington, D.C.: Smithsonian Institution, 1959): 81-112. Reprint.
	24	"**Sectional Diagram of Complete Gearing System**—Antikythera Mechanism Original": "An Ancient Greek Computer," *Scientific American* 201 (1959): 60-67.

Container List, cont.

Series 3: Antikythera Mechanism, cont.

Box	Folder	Contents
2	25	**Correspondence regarding *Gears From the Greeks* and the Antikythera Mechanism**. Incoming and outgoing.
	26	Johann Hügen Freiburg, "**Die Zeitaufzeichnung vor der Räderuhr**," *Schriften des Historisch-Wissenschaftlichen Fachkreises 'Freunde alter Uhren,'"* (1978): 135-142.
	27	**Antikythera Mechanism Articles**. Newspapers, publicity materials from *Gears from the Greeks,* news clippings, magazine articles, scholarly articles, photocopies of news clippings in Greek, copy of *Olympia International 76*.
	28	"**Reception of a present of a copy of the 'Astrolabe' of Antikythera**," a resolution of acceptance and thanks for astrolabe to Price et al. from Minister of Culture Andreas Andrianopulos 7/29/80. Original Greek typescript; photocopy of Greek typescript; typescript of English translation.
	29	**Correspondence with Stephen E. Kramer**, July 1983.
	30	**J.V. Field and M.T. Wright,** *Gears from the Byzantines* (London: Science Museum, n.d.), typescript with handwritten notes; and J.V. Field and M.T. Wright, *Early Gearing: Geared Mechanisms in the Ancient and Mediaeval World* (London: Science Museum, 1985).
	31	"**Inscriptions Used**." Calculations, notes and drawings on graph paper, and handwritten transcriptions of Greek inscriptions.
	32	**Antikythera Lecture**. List with handwritten notes.
	33	**Compass-like circle** with notes, on cardboard.

Series 4: Works, 1941-1983

Scholarly and popular articles, lectures, presentations, and letters to the editor written by Price over the span of his career. This series also contains Price's curriculum vitae (CV). Arranged chronologically. Folder titles are the article title.

Box	Folder	Contents
2	34	Curriculum vitae (CV) and list of publications.
	35	"An Aspect of the Future of Scientific Research," *Journal of the South-West Essex Technical College and School of Art* 1 (1941): 195-196. Photocopy.
	36	Price and H. Lowery, "The Emissivity Characteristics of Hot Metals, With Special Reference to the Infra-Red," *British Iron and Steel Research Association Publication* 7 (1943): 523p-546p. Photocopy.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
2	37	"A Geometrical Model to Illustrate Lissajou's Figures. *Journal of the South-West Essex Technical College and School of Art* 1 (1944): 211-212. Photocopy.
	38	"Atomic Energy and International Politics," *Youth News* (1945): 2. Photocopy.
	39	"The Infra-Red Emissivity of Metals and High Temperatures," *Nature* 157 (1946): 765. Photocopy.
	40	"Some Unusual Series Occurring in N-Dimensional Geometry," *Mathematical Gazette* 80 (1946): 149-150. Photocopy.
	41	"Note on the Calculation of Optical Constants," *Proceedings of the Physical Society* 58 (1946): 704-706. Photocopy.
	42	"The Emissivity of Hot Metals in the Infra-Red," *Proceedings of the Physical Society* 59 (1947): 118-131. Photocopy.
	43	"The Temperature Variation of the Emissivity of Metals," *Proceedings of the Physical Society* 59 (1947): 131-138. Photocopy.
	44	"A Theory of Reflectivity and Emissivity," *Proceedings of the Physical Society* 62 (1949): 278-283. Photocopy.
	45	"Author's Reply," *Proceedings of the Physical Society* 62 (1949): 663. Photocopy.
	46	"Quantitative Measures of the Development of Science," *Archives Internationales d'Histoire des Sciences* 14 (1951): 85-93. Reprint.
	47	"Chaucer's Astronomy," *Nature* 170 (1952): 474-475. Photocopy.
	48	"Chaucer's Astronomy," *Journal of the Royal Institution* (1953): 1-12. Photocopy.
	49	"The Cavendish Laboratory Archives," *Notes and Records of the Royal Society*10 (1953): 139-147. Photocopy.
	50	"Museum of the Cavendish Laboratory: An Outline Guide to Exhibits," Cambridge University Press, for the Cavendish Laboratory (1953): 3-8. Photocopy.
	51	"The Equatorie of the Planetis," *Bulletin of the British Society for the History of Science* 1 (1953): 223-226. Photocopy.
	52	"The Cavendish Laboratory," *Oil* 2 (1953): 30-32. Photocopy.
	53	"In Quest of Chaucer—Astronomer," *Cambridge Review* 76 (1954): 123-124. Photocopy.
	54	"Tycho Brahe's Instrument Makers: Notes About Peter Jachinow," Letter to the editor, *Horological Journal* (May 1955). Photocopy.
	55	"A Medieval Footnote to Ptolemaic Precession," in *Vistas in Astronomy Vol. 1,* ed. A. Beer (London-Pergamon Press, 1955). Photocopy.
	56	"Two Medieval Texts on Astronomical Clocks," *Antiquarian Horology*1 (1956): 156. Photocopy.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
2	57	"The Prehisory of the Clock," *Discovery* 17 (1956): 153-157. Photocopy.
	58	"Looking for Astrolabes," *Discovery* 17 (1956): 257. Photocopy.
	59	"C'est Magnifique Mais Ce N'est Pas Daguerre," review of *The History of Photography From the Earliest Use of the Camera Obscura in the Eleventh Century Up To 1914*, by Helmut Gernsheim, *Cambridge Review* 77 (1956): 436-437. Photocopy.
	60	"Ancient Instruments in Peking," *Discovery* 17 (1956): 357-358. Photocopy.
	61	"The Exponential Curve of Science," *Discovery* 17 (1956): 240-243. Photocopy.
	62	"Sir J.J. Thomson, O.M., F.R.S. A Centenary Biography," *Discovery* 17 (1956): 494-502. Photocopy and original.
	63	"The Science of Science," *Discovery* 17 (1956): 179-180. Photocopy.
	64	"Notes on Instruments," *Archives Internationales d'histoire des Sciences* 35 (1956): 385-386. Photocopy.
	65	Foreword to *Johann Philipp Treffler; Clockmaker of Augsburg* by Silvio Bedini (n.p.: n.p., 1957). Photocopy.
	66	"The Scientific Resources of America," *Science Perspectives* 1 (1958): 10-11. Photocopy.
	67	"Fake Antique Scientific Instruments," in *Actes du VIII Congres International d'Histoire des Sciences* 1 (Paris: Hermann & Cie, 1956). Reprint.
	68	*A History of Blakeney and Its Haven,* 1958. Typescript of preface and p. 12., with small typed note from Price. Photocopy.
	69	"The Scientific Humanities—An Urgent Program," *Basic College Quarterly* (1959): 6-14. Photocopy.
	70	"The Yale Microscope," *The Yale University Library Staff News* (December 1959): 2. Photocopy.
	71	"Newton in a Church Tower: the Discovery of an Unknown Book by Isaac Newton," *Yale University Library Gazette* 34 (1960): 124-126. Photocopy.
	72	"Of the Causes of Wonderful Things," *The Griffin* 9 (1960): 11-16. Photocopy.
	73	"The Little Ship of Venice: a Middle English Instrument Tract," *Journal of the History of Medicine and Allied Sciences* 15 (1960): 399-407. Reprint.
	74	"The Acceleration of Science," *Product Engineering* 32 (1961): 56-59. Photocopy.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
2	75	"The Beginning and End of the Scientific Revolution, 1670-1970," *Lehigh Alumni Bulletin* 48 (1961): 6-9. Photocopy.
	76	"Diseases of Science," in *Science Since Babylon* (New Haven, Connecticut: University Press, 1961). Reprint.
	77	Price and Eri Yagi Shizume, "Japanese Bomb," letter to the editor in *Bulletin of the Atomic Scientists* 18 (1962): 29. Photocopy.
	78	"Scholarship About Science," *Yale Scientific Magazine* 37 (1962): 14-18. Photocopy.
	79	"Second Culture," *Yale Daily News* (February 19, 1962): 2. Photocopy.
	80	Contributions in *Man and His Future,* ed. G. Wolstenholm (Boston, Toronto: Little Brown and Company, 1963): 362-383. Photocopy.
	81	"A Calculus of Science," *International Science and Technology* 15 (1962): 37-43. Photocopy.
	82	"Astronomy's Past Preserved at Jaipur," *Natural History* 73 (1964): 48-53. Photocopy.
	83	"Contributions to Discussion: Symposium on the General Problems of the History of Science and Technology," *Organon* (1964): 265-278. Price comments on pp. 82-83 (missing) and 274. In French. Photocopy.
	84	"Mechanical Water Clocks of the 14th Century in Fez, Morocco," in *Actes du X^e Congres International d'Histoire des Sciences* (1964). Photocopy.
	85	"The Babylonian 'Pythagorean Triangle' Tablet," *Centaurus* 10 (1964): 219-231. Reprint.
	86	"The Science of Science," in *The Science of Science,* ed. M. Goldsmith and A.L. Mackay (London: Souvenir Press, 1964). Photocopy.
	87	House Committee on Education and Labor, *National Research Data Processing and Information Retrieval Center: Hearings on H.R. 1946,* 88th Cong., 2nd sess., April 27-28 and August 18, 1964, 680-703. Photocopy.
3	88	"The Science of Science," in *New Views of the Nature of Man,* ed. John R. Platt (Chicago: University of Chicago Press, 1965). Abridged version in *Bulletin of the Atomic Scientists* 21 (1965): 2-8. Photocopy. Original.
	89	"Stale Wzorce W Organizacji Nauki (Permanent Standards in the Organization of Science)," *Zagadnienia Naukoznawstwa* 1 (1965): 57-63. Reprint.

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Box	Folder	Contents
3	90	"Memoirs of an Ostogoth," review of *On the Shoulders of Giants: A Shandean Postscript,* by Robert K. Merton, *American Sociological Review* 31 (1965): 105-106. Photocopy.
	91	"Bookshelf On the History of Science," *Moderator* 5 (1966): 51. Photocopy.
	92	"Science From the Attic," *Discovery: The Magazine of the Peabody Museum of Natural History* 2 (1966): 14-18. Photocopy.
	93	"Science as a Science," *Times Literary Supplement* (1966): 659- 661. Photocopy.
	94	"A Guide to Graduate Studies in the History of Science and Medicine," *Isis* 58 (1967): 393-403. Photocopy.
	95	"Piecing Together an Ancient Puzzle: The Tower of the Winds," *National Geographic* 131 (1967): 586-596. Magazine.
	96	"Communication in Science: The Ends—Philosophy and Forecast," in *Ciba Foundation Symposium on Communication in Science: Documentation and Automation,* ed. Anthony de Reuck and Julie Knight (London: J. & A. Churchill, Ltd., 1967). Reprint.
	97	Price and Silvio A. Bedini, "Instrumentation," in *Technology in Western Civilization*, ed. Melvin Kranzberg and Carroll W. Pursell, Jr. (Oxofrd: Oxford University Press, 1967). Reprint.
	98	"On Mapping the Subject Catagories of Physics Abstracts," report to National Science Foundation under Grant #TN 527 (1967). Typescript.
	99	"The Difference Between Science and Technology" (Detroit: Thomas Alva Edison Foundation, 1967). Original printing.
	100	"The Structures of Publication in Science and Technology," in *Factors in the Transformation of Technology,* ed. William H. Gruber and Donald R. Marquis (Cambridge: The M.I.T. Press, 1969). Photocopy.
	101	"Archeological Investigation of the Interior of the Tower of Winds in Athens," *National Geographic Society Research Reports 1964 Projects,* (Washington, D.C.: National Geographic Society, 1969): 179-180. Reprint.
	102	"An Open Letter to the Editors of Scientific Journals, Particularly Those Publishing Technological Papers and Articles for the General Reader" (1969). Typescript.
	103	"Measuring the Size of Science," *Proceedings of the Israel Academy of Sciences and Humanities* 4 (1969): 98-111. Reprint.

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Series 4: Works, cont.

Box	Folder	Contents
3	104	"Who's Who in the History of Science: A Survey of the Profession," working paper, Twelfth International Congress for the History of Science (1968): 52-55. Photocopy. Also in *Technology and Society* 5 (1969): 79-87. Reprint.
	105	"Portable Sundials in Antiquity, Including an Account of a New Example from Aphrodisias," *Centaurus* 14 (1969): 242-266. Reprint.
	106	"Policies for Science? *Melbourne Journal of Politics* 2 (1969): 1-8. Photocopy.
	107	"Smiles at the Unobtrusive," *Nature* 226 (1970): 985. A response to "The Magic of Numbers," *Nature* 217 (1968): 793-794, "Can Science Afford Scientists?" *Nature* 226 (1970): 10. Photocopies.
	108	"Positions and Projections: Views from the Yale Community on Issues in Ecology," *Yale Alumni Magazine* 33 (1970): n.p. Photocopy.
	109	House Committee on Science and Astronautics, *National Science Policy: Hearings on H.R. 666,* 91st Cong., 2nd sess., July 7-8, 21-23, 28-29, August 4-5, 11-13, September 15-17, 1970, 649-652. Photocopy.
	110	Letter in *Hommage a Jean Rostand,* Henri Corbiere, Librairie Scientifique Albert Blanchard, Paris (1970): 102.
	111	"The Nature of the Scientific Community," *International Social Science Journal* 22 (1970): n.p. Typescript.
	112	"Some Remarks on Elitism in Information and the Invisible College Phenomenon in Science," *Journal of the American Society for Information Science* 22 (1971): 74-75. Photocopy.
	113	"Principles for Projecting Funding of Academic Science in the 1970s," *Science Studies* 1 (1971): 85-99.
	114	House Committee on Science and Astronautics, *Panel on Science and Technology: Proceedings,* 92nd Cong., 1st sess., January 26-28, 1971, 186-187, 245-248. Photocopy.
	115	"Are Social Scientists Really Scientists at All?" *Science Forum* 22 (1971): 16-18. Photocopy.
	116	"Is There a Decline in Big Science Countries and in Big Science Subjects?" (paper presented at the 12th International Congress for the History of Science, Moscow and Leningrad, August 18-28, 1971), 1-21. Typescript.
	117	"World Network of Scientific Attachés," *Sciences Forum* 21 (1971): 34-35. Photocopy.
	118	"Expansion of Scientific Knowledge," *Annals of the New York Academy of Sciences* 184 (1970): 257-259. Photocopy.

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Box	Folder	Contents
3	119	"Invisible College Research: State of the Art," in *Informal Communication Among Scientists: Proceedings of a Conference of Current Research,* ed. Susan Crawford (American Medical Association, February 22, 1971): 3-14. Typescript.
	120	Review of *Moon, Man's Greatest Adventure,* by Wernher von Braun, Silvio A. Bedini, and Fred L. Whipple, *Journal of the History of Medicine* 26 (July 1971): 340-341. Photocopy.
	121	"The Implication of Theoretical Studies for Decision-Making in R&D Management," in *Management of Research and Development* (Paris: Organization for Economic Co-operation and Development, 1972). Photocopy
	122	"The Case of the Kamikaze Astronauts," in *Experimentation with Human Beings,* ed. Jay Katz (New York: Russell Sage Foundation, 1972). Photocopy
	123	"Some Theoretical Studies in Science of Science and Their Practical Implications," in *Science, Man and His Environment* (Herceg-Novi, Yugoslavia: Proceedings of the Fourth International Conference Science and Society, 1971). Photocopy.
	124	"The State of the Art in Science Policy Studies," Copenhagen Lecture, March 23, 1972. Typescript.
	125	"Science Funding," Letter to the Editor, *New Scientist* 1 (1972): 527-528.
	126	"Boom Ahead in Technical Employment?," *Science and Government Report* (1972): 4-5. Typescript (titled "Rapid Indicator for Non-University Science and Technology Predicts Violent Upswing") and photocopy.
	127	"Unobjective Science," review of *Civilization and Science in Conflict or Collaboration?*" Ciba Symposium, *Nature* 239 (1972): 450. Photocopy.
	128	"Monsters, Moon Maidens and a Sense of Wonder: The Nature of Science Fiction," *Yale Reports* 642 (New Haven, 1973). Official transcript of radio broadcast.
	129	"Relations Between Science and Technology and Their Implications for Policy Formation" (lecture given at the Royal Institute of Technology, Stockholm, June 6, 1972). FOA Reprints 26 (Stockholm, Sweden: Försvarets Forskningsanstalt Research Institute of National Defence, 1972-73).
	130	"Joseph Needham and the Science of China," in *Chinese Science: Explorations of an Ancient Tradition,* ed. Mikulas Tyeich and Robert Young (London: Heinemann Educational Books, 1973). Photocopy.

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Series 4: Works, cont.

Box	Folder	Contents
3	131	"A Cultural History of Clocks," in *The American Clock, 1725-1865*, ed. Charles F. Montgomery and Patricia Kane (Greenwich, Conn.: New York Graphic Society, 1973). Photocopy.
	132	"Water Clocks," Letter to the Editor, *Antiquarian Horology* 8 (1973): 548-549. Photocopy.
	133	"The Antikythera Machine, *Science in Action* 354 (BBC External Service, 1974): 2-11. Typed transcript of radio broadcast.
	134	"On the Historiographic Revolution in the History of Technology: Commentary on the Papers by Multhauf, Ferguson, and Layton," *Technology and Culture* 15 (1974): 42-48. Photocopy.
	135	"The Productivity of Research Scientists," *Year Book of Science and the Future 1975* (Chicago: Encyclopædia Britannica, Inc., 1974). Photocopy.
	136	"In Quotes," memorandum to the Advisory Committee on Science, Technology, and Human Values of the National Endowment for the Humanities, *Science and Government Report* 4 (1974): 4. Photocopy.
	137	"Society's Needs in Scientific and Technical Information," *Ciência da Informação* 3 (Rio de Janeiro, 1974): 97-103. Typescript and photocopy.
	138	"Gears from the Greeks, The Antikythera Mechanism—A Calendar Computer From ca. 80 B.C.," *Transactions of the American Philosophical Society* 64 (Philadelphia, 1974). Original printing.
	139	"Science and Technology in the Fifteenth Century," in *The Secular Spirit: Life and Art at the End of the Middle Ages* (The Metropolitan Museum of Art: E.P. Dutton, 1975): 174-177. Photocopy.
	140	Review of Ibn-al Razzaz al-Jazari, *The Book of Knowledge of Mechanical Devices*, trans. Donald R. Hill, *Technology and Culture* 16 (1975): 81-83.
	141	Review of *Science and Society in Modern Japan: Selected Historical Sources,* ed. Nakayama Shigeru, David L. Swain, and Yagi Eri, *Social Studies of Science* 5 (1975): 211-212. Photocopy.
	142	Price and Suha Gürsey, "Some Statistical Results for the Numbers of Authors in the States of the United States and the Nations of the World," preface to *Who is Publishing in Science 1975 Annual* (Philadelphia: ISI, 1975): 26-34.
	143	"Some Aspects of 'World Brain' Notions," in *Information for Action: From Knowledge to Wisdom,* ed. Manfred Kochen (New York: Academic Press, Inc., 1975). Reprint.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
3	144	"Antikythera Mechanism: The Problem of the World's Oldest Mechanism Solved By Radiography," in *Proceedings No. 3 of the XIVth International Congress of the History of Science* (The Science Council of Japan, Tokyo, 1975): 193-196. Photocopy.
	145	"Society's Needs in Scientific and Technical Information," in *Environment and Society in Transition: World Priorities*, ed. Boris Pregel, Harold D. Lasswell, John McHale, *Annals of the New York Academy of Sciences* 261 (1975): 126-136. Photocopy.
	146	"Comment on the Observations on 'Observations on the Present Status of History of Science in the United States,' by George Basalla," *Isis* 66, No. 234 (1975): 470-472. Original.
	147	Price and Paul D. Allison, Belver C. Griffith, Michael J. Moravcsik, John A. Stewart, "Lotka's Law: A Problem in its Interpretation and Application," notes and letters in *Social Studies of Science* 6 (1976): 269-276. Original.
	148	Price and Suha Gürsey "Studies in Scientometrics I. Transience and Continuance in Scientific Authorship," *International Forum on Information and Documentation*1, no. 2 (1976): 17-24. And "Studies in Scientometrics II. The Relation Between Source Author and Cited Author Populations," *International Forum on Information and Documentation* 1 (1976): 19-22. Photocopies.
	149	"*Interciencia* and the Scientific Language," *Interciencia* 1 (1976): 68-70. Photocopy.
	150	Price and Leopold Pospisil "Reckoning and Racism," *Journal of Polynesian Society* 84 (1976): 8558. Photocopy.
	151	"Nature of Science," supplement to *Biology* ed. Richard A. Goldsby (New York: Harper & Row, 1976). Typescript.
	152	"Shape of the World's Scienctific-Technical Revolution," *Science Notes* 2 (1976): n.p. Photocopy.
	153	"Why Sci-Fi Zaps," *The New Republic* (1976): 40-41. Photocopy.
	154	"A General Theory of Bibliometric and Other Cumulative Advantage Processes," *Journal of the American Society for Information Science* 27 (1976): 292-306. Reprint.
4	155	"An Extrinsic Value Theory for Basic and 'Applied' Research," *Policy Studies Journal* 5 (1976): 160-168. Photocopy.
	156	Review of *The Medieval Machine: The Industrial Revolution of the Middle Ages,* by Jean Gimpel, *The Sciences* 17 (1977): 24. Photocopy.
	157	Price et al., "An Extrinsic Value Theory for Basica and 'Applied' Research," report to Library of Congress Task Force by Advisory Committee on Science and Technology, 1977. Typescript.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
4	158	"Science," *Colliers Encyclopedia* (Macmillan Educational Corporation, 1977): 1-45. Galleys.
	159	Price and Robert Cutler, "A Policy Perspective on Scientific and Technical Information Activities of the Federal Agencies" (working paper presented at the Annual Meeting of the American Association for the Advancement of Science, Denver, Colorado, 1977). Typescript.
	160	"Toward a Model for Science Indicators," in *Toward a Metric of Science: The Advent of Science Indicators* ed. Yehuda Elkana, Joshua Lederberg, Robert K. Merton, Arnold Thackray, Harriet Zuckerman (John Wiley & Sons, Inc., 1978). Photocopy.
	161	House Committee on Science and Technology and Senate Committee on Commerce, Science, and Transportation. *Oversight of Science and Technology Policy: Joint Hearing on the Oversight of National Science and Technology Policy, Organization and Priorities Act of 1976*, Serial No. 95-77, February 14, 1978, 73-79. Photocopy.
	162	"Cumulative Advantage Urn Games Explained: A Reply to Kantor," *Journal of the American Society for Information Science* 29, No. 4 (1978): 204-206. Photocopy.
	163	Editorial Statement in *Scientometrics* 1, No. 1 (1978): 7-8. Photocopy.
	164	Review of *Science in History,* ed. E.G. Stanley, J.D. Fleeman, and D. Hewitt, *Notes and Queries* 25 (1978): 289-290. Photocopy.
	165	Review of *Richard of Wallingford: An Edition of his Writings with Introduction, English Translation and Commentary,* by J.D. North, *Journal for the History of Astronomy* 9 (1978): 219-220. Photocopy.
	166	Review of *Fractals-Form, Chance and Dimension,* by Benoit B. Mandelbrot, *Interdisciplinary Science Reviews* 3 (1978): 346. Reprint.
	167	"Ups and Downs in the Pulse of Science and Technology," in *The Sociology of Science,* ed. Jerry Gaston (San Francisco: Jossey-Bass, 1978). Photocopy.
	168	"The Evolution of Invention," in *The Smithsonian Book of Invention*, ed. Russell Bourne (New York: W.W. Norton & Co., 1978). Photocopy.
	169	"What Can and Can't Be Done in Science and Technology Policy" (Southfield, Michigan: Thomas Alva Edison Foundation, 1979). Booklet.
	170	"Employment Trends for Engineers Indicate R&D Levels in Industry," *Engineering Times* (1979): 16. Photocopy.
	171	"High Technology Recruitment Index," (New York: Deutsch, Shea & Evans, 1979): 1-10. Photocopy.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
4	172	Price and Charles Morazé, "Obstacles to Scientific Equality," in *Science and the Factors of Inequality,* ed. Charles Morazé (Unesco: 1979). Photocopy.
	173	"India as a Small, Highly Developed Scientific Nation," in *Science, Technology and Development: Essays in Honour of A. Rahman*, ed. K.D. Sharma and M.A. Qureshi (New Delhi: Sterling Publishers Pvt. Ltd., 1978). Photocopy.
	174	"Vitruvius Pollio," in *Dictionary of Scientific Biography XV,* Supplement I, ed. Charles Gillispie (New York: Charles Scribner's Sons, 1978). Photocopy.
	175	"Happiness is a Warm Librarian," working paper, Proceedings of 1979 Clinic on Library Applications of Data Processing, University of Illinois, 1980. Photocopy.
	176	"Coming to Terms with a No Growth Society," *The Chronicle of Higher Education* 20 (1980): 23. Photocopy.
	177	"A Theoretical Basis for Input-Output Analysis of National R & D Policies," in *Research, Development, and Technological Innovation*, ed. D. Sahal (Massachusetts: Heath & Co., 1980). Photocopy.
	178	"An Historical Perspective," *AAAS Meeting: Communicating Science*, 1980. Typescript.
	179	Foreward to *Essays of an Information Scientist, Volume 3, 1977-1978,* by Eugene Garfield (Philadelphia: ISI Press, 1980). Photocopy.
	180	"The Analytical (Quantitative) Theory of Science and its Implications for the Nature of Scientific Discovery," in *On Scientific Discovery*, ed. M.D. Grmek et al. (Dordrecht, Holland: D. Reidel Publishing Co., 1980). Photocopy.
	181	"Philosophical Mechanism and Mechanical Philosophy: Some Notes Toward a Philosophy of Scientific Instruments," *Annali Dell'Istituto e Museo di Storia Della Scienza di Firenze,*1980: 75-85. Original.
	182	"On the Scientific Element in a Scientific Communication," *Interciencia* 5 (1980): 220-222. Photocopy.
	183	"The Revolution in Mapping of Science," (paper presented at ASIS 42nd Annual Meeting, Minneapolis, Minn., 1979). Typescript.
	184	"The Citation Cycle," in *Key Papers in Information Science*, ed. Belver C. Griffith (White Plains, N.Y.: Knowledge Industry Publications, 1980): 195-210. With introduction by Eugene Garfield.
	185	"The Conceptual Basis of Science and Technology Policy," *Order and Disorder in Science Policy* (Brussels: Foundation FRANQUI Symposium, 1979). Typescript.
	186	"Comments on 'U.S. Science in an International Perspective," *Scientometrics* 2 (1980): 423-428. Reprint.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
4	187	"Doing Time," review of *Greenwich Time* by Derek Howse *Nature* 288 (1980): 516-517. Photocopy.
	188	"The Psychology of Computer Freaks—a Recurrence of Babylonian 'Left-Hemisphere' Linear Sequential Thinking?" (working paper presented at 4S Meeting, Toronto, 1980). Typescript.
	189	"Is It Possible to Produce a 3-Dimensional Computer Memory Unit to Simulate the Human Brain and 'Knowledge Space'?" and "Is the Scientific Basis of 'Science of Science' Yet Strong Enough to Build On It a Technology of Science Policy Decision Making?" (working papers, 1980). Typescripts.
	190	"Immortalizing the Very Best College Courses, 1981. Typescript.
	191	"The Analysis of Scientometric Matrices for Policy Implications," *Scientometrics* 3 (1981): 47-54. Photocopy. And "The Analysis of Square Matrices of Scientometric Transactions," *Scientometrics* 3 (1981): 55-63. Reprint.
	192	"Escapements," letter to the editor in *Antiquarian Horology* 4 (1980): 454. Photocopy.
	193	"R & D is Key to Productivity Problem," Letter to the editor, *Science* 211 (1981): 1116. Photocopy.
	194	"The Zigzagging Road to DNA," review of The Double Helix: Being a Personal of the Discovery of the Structure of DNA by James D. Watson, Science Digest (1981): 104. Photocopy.
	195	"Systeem Nodig in Veelheid van Wetenschapsindicatoren,"*Wetenschapsbeleid* 3e (1981): 3-5. Original.
	196	"Terminal Librarians and the Ultimate Invention," working paper, EURIM 4: A European Conference on Innovation in Primary Publication: Impact on Producers and Users, Aslib, London, 1980. Photocopy.
	197	"Toward a Comprehensive System of Science Indicators," *Scientia Yugoslvica* 6 (1980): 45-65. Reprint.
	198	"Multiple Authorship," letter to the editor, *Science* 212 (1981): 968. Photocopy.
	199	"The Development and Structure of the Biomedical Literature," in *Coping With the Biomedical Literature: A Primer for the Scientist and Clinician,* ed. Kenneth Warren (New York: Praeger, 1981). Photocopy and typescript.
	200	Price and Clare Burke, "The Distribution of Citations from Nation to Nation on a Field by Field Basis—A Computer Calculation of the Parameters," *Scientometrics* 3 (1981): 363-377. Reprint.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
4	201	"Course Syllabus: History of Science," *Bulletin of Science, Technology and Society*1 (1981): 435-439. Photocopy.
	202	"Speaking Directly to the Mind's Eye," 1981. Typescript.
	203	"Chinese Astronomical Jade Discs (Hsüan-chi)," 1981. Typescript.
	204	"The Future of the Book in the Context of the Computer Revolution," report to UNESCO, 1981. Typescript.
	205	"3-D Intelligence," *Science Digest* 40 (1982): 40, 116. Photocopy.
	206	Price and Gloria Robinson, forward to *The American Biologist Through Four Centuries* (Springfield, IL: Charles C. Thomas, 1982). Photocopy.
	207	Review of *Alexander von Humboldt, His Portraits and Their Artists, a Documentary Iconography,* by Halina Nelken, *Interdisciplinary Reviews* 7 (1982): 83-84. Photocopy.
	208	Anthony Liversidge, "Interview: Derek de Solla Price," *Omni* (December 1982): 88-102, 136. Original and photocopy.
	209	"Scientists and Their Tools," in *Frontiers of Science*, National Geographic Society (1982): 8-23. Photocopy.
	210	Review of *Physics Citation Index, 1920-1929,* Institute for Scientific Information, in *ISIS* (1982): 573-574. Original.
	211	"Towards Three-D Chips and Orbiting Archive Super-Libraries," in *The Application of Mini- and Micro-Computers in Information, Documentation and Libraries*, ed. C. Keren and L. Perlmutter (North-Holland: Elsevier Science Publishers B. V., 1983): 557-560. Reprint.
	212	"Science/Technology Relationship, the Craft of Experimental Science, and Policy for the Improvement of High Technology Innovation," in *The Role of Basic Research in Science and Technology: Case Studies in Energy R&D*, National Science Foundation (1983): 225-254. Cover page and typescript.
	213	"This Week's Citation Classic," *Current Contents* 29 (1983): 18. Photocopy.
	214	"Role of Science Indicators in Science Policy Formation," (paper presented at the First Panamerican Workshop on Quantitative Methods in Science and Technology Forecasting, San José, Costa Rica, 1983). Typescript.
	215	"A History of Calculating Machines," *IEEE Micro* (1983): 22-52. Magazine.

Container List, cont.

Series 4: Works, cont.

Box	Folder	Contents
4	216	"Of Sealing Wax and String: A Philosophy of the Experimenter's Craft and Its Role in the Genesis of High Technology," *Natural History* 1 (1984): 49-56. Magazine article. Also 22 page typescript of "Of Sealing Wax and String," (George B. Sarton Lecture, Annual AAAS Meeting, 1983).
	217	"The Old Original High Tech Revolution: How Did It All Come Out First Time Around?" Addressed to National Science Foundation, n.d. Typescript.
	218	"Introduction: Origins of Technology" and "Proto-Astrolabes, Proto-Clocks and Proto-Calculators: The Point of Origin of High Mechanical Technology," *Early Technologies: Invited Lectures on the Middle East at the University of Texas at Austin,* Vol. 3: 7-14 and 61-63, plus 4 pages of photo plates, n.d.
	219	"Brownie Points of Nations," Derek J. de Solla Price, Yale University, n.d.
	220	"On the More-than-one-dimensional Flows of Information." Typescript.
	221	"Division of Scientific Instruments" and "Inventory," Yale University. Typescript.

Series 5: Notebooks, 1952-1976

Notebooks kept by Derek Price during the course of his study. Several of the notebooks are notes taken during travel, and are marked as Vienna, Neurenberg, Oxford, Fitzwilliam Museum, Benaki Museum, Corinth Museum, Italy, Augsburg, München, Long Island, Vermont, Philadelphia, New York City, Providence, Boston, Bowdoin, Adler Planetarium, University of Chicago, Mississippi, North Carolina, and South Carolina. Eight composition notebooks contain notes on astrolabes. Various other subject matter is present, including lecture notes. Some notes are detached from the original bindings. Arranged by size.

Box	Folder	Contents
5	222	Astrolabes: "Eastern I." Green composition notebook.
	223	Astrolabes: "Eastern II." Green composition notebook.
	224	Astrolabes: "Eastern III." Green composition notebook.
	225	Astrolabes: "Western I." Green composition notebook.
	226	Astrolabes: "Western II." Green composition notebook.
	227	Astrolabes: "Western III." Green composition notebook.
	228	"Photos I." Green composition notebook.
6	229	"Photos II." Green composition notebook.
	230	"Register of Astrolabes." Red composition notebook.

Container List, cont.

Series 5: Notebooks, cont.

Box	Folder	Contents
6	231	"STS Notes, begun Sept 9, 1976" and "Sci & Tech" with loose sheets. Spiral-bound index card notebooks.
	232	Musee de la Marine Paris Astrolabes. Loose sheets.
	233	"Sundials Summer 1958." Notes on graph paper.
	234	"2-xii-52," Notes on astrolabes and other scientific instruments.
	235	"Vienna, N'berg," Notes on astrolabes, December 1956. Pink graph paper notebook.
	236	"Sat 21 Sept., Mystic Seaport," "Long Island & Vermont etc, Sept 19-30, 1957." Notes on astrolabes and other scientific instruments. Includes Amherst College, Dartmouth, Thayer School of Engineering. Green steno notebook.
	237	"Corinth Museum, Benaki Museum." Loose sheets.
	238	"Oxford," Notes on astrolabes. Loose sheets.
	239	"Italy, Augsburg, Munchen, Aug-Sep 1956." Gray steno notebook.
	240	"Trip to Philadelphia, NYC, Providence, Boston, Bowdoin" and "Visits to Mississippi, S. Carolina, N. Carolina, 26 March-2 April 1957, New York 13-17 April." Reporter-style notebooks.
	241	"Adler Planetarium, U of Chicago." Reporter-style notebook.
	242	Notes on telescopes and Astrolabes. Spiral-bound notebook.
7	243	Alphabetical list of names, possibly instrument makers. Red notebook.

Series 6: Personal Materials, 1976-1983

A small number of personal documents found among Price's professional papers. There are twelve postcards, most of which are addressed to Price from Anthony Michaelis; others contain assorted inscriptions to Price from various colleagues and friends.

Box	Folder	Contents
7	244	Postcards, 1976-1982.
	245	Photograph of Price with unidentified child.
	246	"The Producer's Corner," *Bill of Fare Broadway Magazine* (November 2, 1983).

Container List, cont.

Series 7: Memorial, 1983-1984

Materials related to Price's death. The bulk of the series was collected by Anthony Michaelis, with whom Price was staying when he died. Some materials may have been collected by Roderick and Marjorie Webster. This series includes Michaelis' correspondence with Price's family about Price's cremation and memorial service.

Box	Folder	Contents
7	247	Anthony Michaelis papers related to Price's death.
	248	Obituaries and remembrances.
	249	Yale University memorial program.

Series 8: Undersized Audio Materials, 1983

Reel-to-reel tape of Derek Price memorial service. Tape information: AMPEX Precision Magnetic Tape 631, ¼" x 1200", 7" reel, 1.5 mil. polyester. Recording speed: 3 ¾ ips. Recording time: Full track. The Webster Institute for the History of Astronomy does not have equipment to play or record this tape.

Box	Folder	Contents
8	250	"Memorial Service, Ct. Hall, Dr. Price," September 11, 1983.

Series 9: Oversized Materials, 1955-1984

Oversized materials, mostly from previous series. Arranged by size.

Box	Folder	Contents
9	251	"Instruments in the Fitzwilliam Museum, Charles Holden-White Gift, 1935." Legal-size loose sheets.
	252	"Precision Instruments: to 1500," "The Manufacture of Scientific Instruments From c. 1500 to c. 1700," in *A History of Technology,* ed. Charles Singer, F.J. Holmyard, A.R. Hall, and Trevor I. Williams (Oxford: Clarendon Press, 1957).
	253	"Phlogiston Was Once an Item," review of *A Short History of Chemistry* by Isaac Asimov and *The Development of Modern Chemistry* by Aaron J. Ihde, *New York Times Book Review* (September 19, 1965): 48.
	254	Correspondence regarding purchases of the *Computerized Checklist of Astrolabes*.
	255	"Copies of GFG Material." Typescript and photocopies of drawings, diagrams, and notes related to Antikythera Mechanism and *Gears from the Greeks*.

Container List, cont.

Series 9: Oversized Materials, cont.

Box	Folder	Contents
9	256	"Of the Lower City of Athens." Photocopy with copies of plates.
	257	Tower of the Winds. Photocopies, typescripts, notes, drawings, and illustrations.
	258	Phaestos Disc. Typescript.
	259	"Lord Kelvin, Hero of the Atlantic Telegraph," *Times Educational Supplement* 47 (1956): 1348. Newspaper.
	260	"How Modern Physics Began," *Atomics in the Service of Mankind: a Daily Mail Publication* (1955): 11-13. Newspaper.
	261	*Yale Weekly Bulletin and Calendar* 12 (July 30-September 3, 1984). Newspaper.
	262	"Mysteries of the Past" poster.