Guide to Burton Richter Papers, 1952-1999 Collection SLAC002 Archives & History Office SLAC National Accelerator Laboratory, Stanford University

Descriptive Summary

Title: Burton Richter Papers, 1952-1999

Collection number: SLAC002

Creator: Burton Richter **Extent:** 141 cubic feet

Repository: Stanford University. SLAC National Accelerator Laboratory. Archives & History

Office.

Administrative Information

Access Restrictions: The US government materials are restricted until they are 30 years old; Stanford administrative records are restricted until 20 years old. Portions of this collection are open for research; materials must be requested at least 5 working days in advance of intended use. Unprocessed records are open only to the records creators. Other restrictions on access may apply to records of a sensitive or confidential nature, or to records relating to ongoing research programs and activities.

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http://www.slac.stanford.edu/history/rules.shtml and also http://library.stanford.edu/depts/spc/pubserv/permissions.html.

Provenance: The following accessions are now part of these processed Burton Richter Papers: 1991-014, 1991-027, 1991-028, 1991-029, 1991-033, 1991-035, 1991-042, 1992-030, 1992-035, 1992-036, 1992-042, 1992-052, 1992-053, 1992-054, 1992-055, 1992-056, 1992-057, 1992-058, 1992-059, 1992-060, 1992-064, 1992-077, 1993-001, 1993-002, 1993-003, 1993-004, 1993-005, 1993-018, 1993-026, 1993-027, 1994-003, 1995-002, 1995-003, 1996-009, 1996-017, 1996-028, 1996-040, 1997-003, 1997-013, 1997-014, 1997-015, 1997-016, 1997-017, 1998-030, 1998-031, 1998-032, 1998-033, 1998-034, 1998-035, 1998-036, 1998-037, 1998-038, 1998-039, 1998-040, 1998-041, 1998-042, 1998-043, 1998-044, 1998-045, 1998-046, 1998-047, 2000-018, 2000-019, 2000-020. These accessions were transferred to the Archives by Richter's office staff over a period of approximately ten years.

Preferred Citation: Office of the Director, Burton Richter Papers. Series title, Subseries title, container number, folder title. SLAC National Accelerator Laboratory, Archives & History Office, Stanford, CA

Processed by: Jean Marie Deken, William O'Hanlon, and Laura O'Hara, with assistance from Pennington Ahlstrand, Kelly Chatwell, Bryan Johnson, Jennifer McCann, Fillmeisha Randall, Kathy Restaino, Irene Sanchez, and Mark Walters. This work was supported in part by the Department of Energy contract DE-AC02-76SF00515 and by the Richard Lounsbery Foundation and the Friends of the Center for History of Physics, American Institute of Physics.

Biographical Note

Burton Richter is the Paul Pigott Professor in the Physical Sciences Emeritus at Stanford University and Director Emeritus of the SLAC National Accelerator Laboratory. He is currently a Senior Fellow at Stanford's Freeman Spogli Institute of International Studies, the Precourt Institute for Energy, and the Woods Environmental Institute

Dr. Richter's honors and awards include the 1976 Nobel Prize in Physics, the E. O. Lawrence Medal of the U. S. Department of Energy, the 2007 Phillip Hauge Abelson Prize by the AAAS, and the 2011 Fermi Award, a Presidential award for lifetime achievement. He is an elected member of the National Academy of Sciences; the American Academy of Arts and Sciences, the American Philosophical Society; Fellow and President (1994) of the American Physical Society; Fellow of the American Association for the Advancement of Science (AAAS), and Past President of the International Union of Pure and Applied Physics

Dr. Richter received his B.S. and Ph.D. degrees from the Massachusetts Institute of Technology. He began his career at Stanford in 1956 as a Research Associate in the High-Energy Physics Laboratory. He became a full professor in 1967 and was given an endowed Chair in 1980. He became Director of the Stanford Linear Accelerator Center, as it was known then, in 1984 and served in that position until 1999. He retired from the University faculty in 2006.

Before becoming SLAC Director his research focused on development of electron-positron colliding-beam systems and the research done with them. As SLAC Director he oversaw the transformation of the laboratory from a single-purpose High-Energy Physics lab to a multiprogram laboratory in HEP, synchrotron-radiation based photon science, and space-based astro-particle physics.

After stepping down as Director at SLAC he has focused on energy and climate issues, writing articles and his recent book, *Beyond Smoke and Mirrors: Climate and Energy in the 21st Century*, winner of the 2011 Phi Beta Kappa Science Book of 'the Year award.

He is a member of the DOE's Nuclear Energy Advisory Board and chairs its Fuel Cycle subcommittee; the DOE's Energy Efficiency and Renewable Energy Advisory Committee; and the Board of Directors, Litel Instruments. Richter has been a member of the Secretary of Energy's Advisory Board; Advisory Committee of the Massachusetts Institute of Technology Lincoln Laboratory; member of the Board of Directors, Varian Associates and Varian Medical Systems; member of the Director's Council, Scripps Institution of Oceanography; member of the International Committee for Future Accelerators; and chair of the U.S. Liaison Committee for the International Union of Pure and Applied Physics. He has over 300 publications in high-energy physics, accelerators, and colliding beam systems.

Selected Chronology

1931	March 22: Born in New York, the elder child of Abraham and Fanny Richter
1952	June: B.S. (Course 8 - Physics), Massachusetts Institute of Technology
1956	September: Ph.D. (Course 8 - Physics), Massachusetts Institute of Technology
1956-1960	Research Associate, High-Energy Physics Laboratory, Stanford University
1960	Married Laurose Becker
1960-1963	Assistant Professor, Physics Department, Stanford University
1963-1967	Associate Professor, Stanford Linear Accelerator Center, Stanford University
1967-2006	Professor, Stanford Linear Accelerator Center, Stanford University
1974	Loeb Lecturer, Harvard University
1975	DeShalit Lecturer, Weizmann Institute
1976	E. O. Lawrence Medal, U. S. Department of Energy;
	Nobel Prize in Physics
1977	Elected to National Academy of Sciences
1980-	Paul Pigott Professor of Physical Sciences, Stanford University
1982-1984	Technical Director, Stanford Linear Accelerator Center, Stanford University
1984-1999	Director, Stanford Linear Accelerator Center, Stanford University
1989	Elected a Fellow of the American Academy of Arts and Sciences
1994	President, American Physical Society
1996-1999	President Designate, International Union of Pure and Applied Physics (IUPAP)
1999-2002	President, IUPAP
1999-	Director Emeritus, Stanford Linear Accelerator Center, Stanford University
2000	Astor Visiting Lecturer, Oxford University
2000-2006	Member of the Secretary of Energy Advisory Board (SEAB)
2001	Laurea Honoris Causa in Fisica, University di Pisa
2002-2006	Executive Board, International Council for Science (ICSU)
2003	Elected to American Philosophical Society
2003-2006	Chair of the National Research Council's Board on Physics and Astronomy
2006	Retired from Stanford University faculty
2007	Phillip Hauge Abelson Prize, American Association for the Advancement of Science
2011	Phi Beta Kappa Book of the Year Award
	Enrico Fermi Award

Scope & Content

The Richter papers document Burton Richter's role in modern physics as a scientist, administrator, and advisor. The collection includes personal and professional correspondence, memoranda, clippings, reports, minutes, research notes, presentations, proposals, publications, reprints, and photographs relating to Dr. Richter's career at Stanford including his involvement with and participation in Stanford University governance; his work as an administrator and scientist at SLAC particularly administration of the lab's research, technical, and business affairs; his involvement in science policy development and review in the United States and abroad; and his participation in the development of storage ring physics at Stanford University and in the design and development of the SPEAR storage ring at SLAC. Also included are materials regarding the Nobel Prize lecture and publicity.

Scientific topics include background and technical information on experimental program and projects, including SLAC accelerator facilities (the linear accelerator (linac), Stanford Linear Collider (SLC), Stanford Positron Electron Accelerating Ring (SPEAR), Stanford Synchrotron Radiation Project (SSRP) later Stanford Synchrotron Radiation Laboratory (SSRL), PEP Positron Electron Project (PEP), PEP-II, BaBar, and Next Linear Collider (NLC). Of particular interest are records of early storage ring research and development including experiment proposals and logbooks for the 500 MeV colliding ring at the High-Energy Physics Laboratory (HEPL), CBX counter and data notebooks, and the "Report of the HEPAP Subpanel on Colliding Beams, 1966" as well as records regarding the construction of SPEAR and the SP-17 collaboration which discovered the psi particle. Included are the proposals to the Atomic Energy Commission for construction of a storage ring facility; notes, papers, talks, memos relating to SP-17 proposal; subject files regarding storage-ring development, and construction of SPEAR; SPEAR reports, correspondence and memoranda regarding outside user policies; long-range planning; SPEAR publicity and budgets. Also included are files regarding the Mark II detector and various experiments such as the quark, spark chamber, and polarized photon experiments. Administrative topics include SLAC's relationship with the Department of Energy and with other U.S. and foreign high-energy physics efforts (particularly accelerator labs), High-Energy Physics Advisory Panel (HEPAP), international committees and cooperation, the Superconducting Super Collider (SSC), the SLAC Experimental Program Advisory Committee (EPAC) and the SLAC/Lawrence Berkeley Laboratory Users Organization (SLUO), university relations, and files relating to Richter's faculty responsibilities. Professional files regarding more general professional societies and consulting work include organization and committee files, travel, talks, and publications.

Series Description

Series 1: Stanford University, 1962-1995

Series 1 contains meeting notes and minutes from Stanford councils and committees on which Richter served. There are also university-wide reports and policies. Series 1A includes records created or maintained by Richter as an administrator of Stanford University while Series 1B includes records created or maintained as a faculty member of Stanford University. Additional information regarding Stanford governance can be found in the appendixes following the container list. Especially interesting for SLAC historians is information in sub-series 1C regarding the relationship between SLAC and the Stanford Physics Department.

1 A: University Governance (Notes and minutes from meetings of the Board of Trustees, President and Provost, Administrative Council, Cabinet; 1983-1995)

1 B: Academic Council (Reports and meeting minutes from the Senate, Committees, Panels, etc.; 1966-1995)

1C: Stanford Physics (Coordinating Committee, Department Discussions, Relationship to SLAC; 1962-1995)

Series 2: Stanford Linear Accelerator Center Administrative (SLAC), 1963-1998

Series 2 contains meeting notes and minutes, reports, plans, and correspondence from Richter's tenure at SLAC from 1963-1998. It includes extensive materials from the Department of Energy, information from a variety of committees on which Richter served, and his general correspondence from this period. Series 2A2 includes Budget planning documents submitted to the Directorate by the various SLAC divisions, as well as those submitted by SLAC to DOE (and its predecessor agencies). Series 2C2 includes some records generated by the Environment and Safety Office (ESO) and Radiation Physics departments, which were absorbed by the newly created ES&H Division in December 1990. Series 2B3 includes Directors Office correspondence on proposed and approved experiments and projects except for those experiments/projects covered by Series 8-12.

2A: Directorate (1963-1998)

2A1 Director's Office (Meeting minutes and notes, planning materials; 1964-1993)

2A2 Department of Energy (DOE) (Budgets, 1984-1995; Campaigns, 1992-1998; Contracts, 1982-1996; DOE Relations, 1981-1992; HEP Program and Institutional Plan Reviews, 1981-1995; Miscellaneous DOE, 1977-1995; Safety, 1966-1986; San Francisco Operations Office, 1982-1992; Wallenmeyer Reports, 1984-1988)

2A3 Education (Accelerator school, summer science program; 1990-1995)

2A4 SLAC Faculty (Faculty meetings, hiring information, salaries; 1963-1997)

2A5 Legal Office (1974-1992)

2A6 Personnel (Affirmative Action plans, Service Awards; 1971-1996)

2B: Committees and Policy Groups

2B1 Oversight Committees (1965-1991)

2B2 Computer Policy Committee (Mostly 1971-1980, one folder 1991)

2B3 Experimental Program Advisory Committee (EPAC) (EPAC Deliberations and Meetings, 1980-1995; EPAC Correspondence re: Experiments, 1971-1994; NPAC Deliberations and Meetings, 1984-1991)

2B4 Scientific Policy Committee (SPC) (Meeting notes and minutes, reports, travel documentation; 1961-1995)

2C: Divisions

2C1 Business Services Division (BSD) (Budgets, WKHP Business Services; 1961-1997)

2C2 Environmental Safety and Health (ES&H) (Committees, policies, Tiger Team reports and correspondence; 1963-1994)

2C3 Research Division (Computing, Summer Institute, etc.; 1968-1995)

2C4 Technical Division (Reports and plans for SLAC facilities and machinery, 1961-1992)

2D: Other (Loma Prieta response, 1991; SLUO handbooks, meeting notes, etc.,1965-1995)

2E: General Correspondence (Memoranda, letters, invitations, greeting cards, etc., 1983-1996; Publications, 1957-1960)

Series 3: Science Policy

Series 3 contains materials related to science policy collected by Richter from various sources, including other laboratories around the world, summit meetings, and other universities. It also contains materials from the DOE and various lectures given by Richter at conferences and other appearances.

3A: Accelerator School (1981-1991)

3B: Conferences (1980-1996)

3C: Department of Energy (Budgets, reviews, policies and plans, 1983-1986)

3D: Fusion (Reports, correspondence, meeting notes and minutes, 1976-1981)

3E: High Energy Physics Advisory Panel (HEPAP) (Meeting notes and minutes, reports, 1969-1997)

3F: International

3F1: Canada (1982-1990)

3F2: CERN (LMAC meeting notes and materials, 1978-1989)

3F3: Deutsches Electron-Synchrotron (DESY) (HERA Machine Committee, other DESY meeting notes and materials, 1975-1995)

3F4: European Committee on Future Accelerators (ECFA)

3F5: Frascati (1973)

3F6: International Committee on Future Accelerators (ICFA) (1978-1994)

3F7: Japan (Correspondence, meeting notes and materials, 1978-1994)

3F8: Max Planck Institute

3F9: People's Republic of China (PRC) (Meeting notes and trip reports, 1973-1993)

3F10: Union of Soviet Socialist Republics (USSR) (Reports, travel information, general information, 1973-1993)

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3H2: Brookhaven National Lab (BNL) (Visiting Committee information, 1974-1993)

3H3: Continuous Electron Beam Accelerator Facility (CEBAF) (Reviews, meeting notes, 1985-1992)

3H4: Fermi National Accelerator Lab (FNAL) (Reviews, designs, meeting notes, reports and proposal, 1978-1994)

3H5: Lawrence Berkeley National Laboratory (LBL) (Committee information, symposia, 1991-1993)

3H6: Lawrence Livermore National Laboratory (LLL) (1982-1994)

- 3H7: Superconducting Super Collider (SSC) (Proposals, meeting notes, general information, 1984-1994)
- 3I: Manuals and Publications (1969-1991)
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 - 3L3: Princeton Plasma Physics Laboratory (PPPL) (1980-1989)

Series 4: Personal and Professional Activities

Series 4 contains materials related to Richter's other personal professional activities, including efforts with more general professional societies, consulting work, correspondence not related to Stanford/SLAC, invitations to events, and publicity for his Nobel Prize award.

- 4A: General (Biographical information, American Academy of Achievement, American Academy of Arts and Sciences Records, appearances, 1931-1994)
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- 4B: American Physical Society (APS) (Meeting notes and minutes, reports, etc., 1976-1996)
- 4C: General Motors (Correspondence, reports, meeting minutes, 1981-1988)
- 4D: Instituto Nazionale di Fisica Nucleare (INFN) (Review materials and reports, 1993-1997)
- 4E: National Academy of Sciences (NAS) (Membership information, meeting notes, etc., 1986-1994)
- 4F: National Science Foundation (NSF) (Meeting notes and materials, 1992)
- 4G: Nobel Prize (Publicity, Nobel Lecture, 1976)

Series 5: Early Storage Ring Research and Development, 1958-1981

Series 5 contains information about early storage ring developments, including reports, papers, general information, and logbooks from the early HEPL 500 MeV ring.

- 5A: Early Storage Ring Research and Development (Papers and reports, 1962-1966)
- 5B: 500 MeV (Experiments and reports, 1958-1967)
- 5C: Storage rings (Information, briefings, reports, etc., 1964-1969)
- 5D: Copies of Logbooks, HEPL 500 MeV Ring (1963-1972)
- 5E: Original Logbooks (1959-1968)

Series 6: SPEAR

Series 6 contains materials related to SPEAR, including extensive information files about the construction, proposals, experiments, etc. Also included are materials such as papers, meeting notes, and memos related to the Mark II Detector and SP-17.

- 6A: SPEAR (File index, history, meeting minutes, photos and reports, 1969-1976)
- 6B: Group C Files (Presentations and memos, 1961-1979)
- 6C: Mark II Detector (Meeting notes, briefings, and memos, 1972-1979)
- 6D: Storage Ring and SPEAR Proposals (Construction) (1963-1967)
- 6E: SPEAR Proposals (Experiments) (1971-1978)
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- 6G: SP-17 Files (Talks, notes, memos and papers, 1972-1979)

Series 7: Stanford Synchrotron Radiation Project (SSRP)/Stanford Synchrotron Radiation Laboratory (SSRL) (1970-1994)

Series 7 contains materials related to SSRP/SSRL, including activity reports, planning documents, memos, and experiment information.

Series 8: Positron Electron Project (PEP)

Series 8 contains materials related to PEP, including correspondence, meeting notes and minutes, information about PEP experiments, and extensive information about Mark II.

- 8A: General PEP (Memos, correspondence, presentations, notes, and meeting minutes, 1971-1990)
- 8B: Research Program (Experiment information, agreements, reviews, etc., 1976-1988)

8C: Mark II (1982-1989)

Series 9: Experiments, 1952-1976

Series 9 contains information about experiments that Richter either took part in or was informed of. The materials range from Group C experiments, engineering notebooks, and Boyarski papers, to reports, reprints, and proposals.

Series 10: Stanford Linear Collider/SLAC Large Detector (SLC/SLD), 1973-1989

Series 10 contains materials related to SLC/SLD, including budget and administration information, designs and reports, DOE reviews, Systems Managers meeting notes, working estimates, and improvement information.

Series 11: PEP-II/B-factory, 1986-1997

Series 11 contains materials related to the PEP-II and B-factory projects, including administrative and technical materials, design reviews, briefings and correspondence, papers and reports, meeting notes, and publicity materials.

Series 12: Next Linear Collider (NLC), 1979-1990

Series 12 contains materials related to the NLC, mostly general information and meeting notes.

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- 58 1 SPC Presentations, 4/9-10/1993 [2/2]
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 - 3 SPC Report and Miscellaneous Correspondence, 10/23-24/1992
 - 4 SPC, 5/1-2/1992 [1/2]

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	6	General Stanford Synchrotron Radiation Laboratory (SSRL) Relations, SPC,
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- 8 DOE-EH Environmental Management Assessment, 1/1994
- 9 Electrical Accident 1/30/86, north vault-damping ring
- 10 Electrical Department Safety Manual, 8/1979
- 11 Emergency Management/Preparedness, 1989
- 12 Environment & Safety Office (ESO), begin 4/1985, Admin.
- 13 Environmental Appraisal Immediate Actions Report, 7/22/1991
- 14 ES&H Coordinating Council, 1992
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- 85 1 ES&H Coordinating Council, 1991 [2/2]
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 - 3 ES&H Electrical Shock Incident, 10/16/1992
 - 4 ES&H End Station A, Earthquake Review, 11/1987-9/1988
 - 5 ES&H General Safety, 1991-1992
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 - 8 ES&H Miscellaneous, 1991-1992
 - 9 ES&H Quarterly Report, 1992-1993
- 86 1 ES&H Radiological Control Manual (RADCON), 1992 [1/4]
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 - 5 Fire Protection Survey Analyses 1-29, 1972
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 - 8 Land Disposal Restrictions (Mixed Wastes), 1991-1992
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 - 15 Personnel and Environmental Radiation Program Review, 1994
 - 16 Personnel Protection System (PPS) Review, Draft Charge, 1991
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- 87 1 Polychlorinated Biphenyls (PCBs), 1991-1994 [1/2]
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	4	High Energy Equipment Pool, 1966-1971
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	8	Plant Engineering, Grounding
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	2	Plant Engineering, Status Report TR-860-009-76 for Fiscal Year 1976 and 1976TQ
	3	Primary Electrical Power, Western Area Power Administration (WAPA), 1982-1985 [1/2]
	4	Primary Electrical Power, Western Area Power Administration (WAPA), 1982-1985 [2/2]
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	2	Site, Buildings and General Utilities Design Division Plant Engineering and
	_	Procedural Manual, 1973-1983.
	3	Site, Buildings, and General Utilities Design, Utilities, Drawings
	4	Site, Buildings, and General Utilities Design, Utilities, Electrical Service
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- 17 Technical Division, Klystrons
- 18 Technical Division, Laboratory Electronics Equipment Pool (LEEP)
- 19 Technical Division, Metric System
- Technical Division, Microwave Engineering, National Bureau of Standards (Waveguides, radio frequency (rf), etc.), 1962
- 97 1 Technical Division, Pion Therapy Linac work at SLAC, 1975
 - 2 Technical Division, Positron Electron Project (PEP) rings
 - 3 Technical Division, Power kickers
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 - 5 Technical Division, Projects
 - 6 Technical Division, Research Area, Instrumentation Group, Group Leader, Leo Paffrath, 1977
 - 7 Technical Division, Section Leaders
 - 8 Technical Division, SLAC Linear Collider (SLC) East Miscellaneous
 - 9 Technical Division, Stanford Positron Electron Asymmetric Ring (SPEAR) rings
 - 10 Technical Division, Technical operations
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- 12 Committee on Government Operations (Earthquake Audit), 1991
- 13 Congressional Review, Damage Claims, Loma Prieta Earthquake, 8/1991
- 14 Congressional subcommittee on environment, energy and natural resources request, 8/28/1991
- 15 Correspondence and Publicity (Earthquake Audit), 1991
- 98 1 Internal Audit Report #995, Loma Prieta Earthquake, 7/29/1991
 - 2 Stanford University, Report on Agreed-Upon Procedures with Respect to Internal Audit Report #995, 9/1991
 - 3 Mexico Machine, 8/1986-
 - 4 SLAC Users Organization (SLUO), 1995
 - 5 SLAC Users Organization (SLUO) Annual Meeting, 9/29/1995
 - 6 SLUO Executive Committee, 7/14/1995
 - 7 SLAC Users Organization (SLUO) Annual Meeting, 11/29/1994
 - 8 SLUO, 1993-1994
 - 9 SLAC Users Organization (SLUO), Bulletins and Letters to Users, 1971-1975 [1/2]
 - SLAC Users Organization (SLUO), Bulletins and Letters to Users, 1971-1975 [2/2]
 - 11 SLUO Handbook, 2/1973
- 99 1 SLAC Users Organization (SLUO), Bulletins and Letters to Users, 1965-1971 [1/2]
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 - 3 SLUO Handbook, 10/1967 [1/2]

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		Report on the Proposed Stanford Two-Mile Linear Electron Accelerator at
		Alternate Sites Volume III of III John A. Blume & Associates, Engineers.
112	1	1/1960
		Draft Report on the Proposed Stanford Two-Mile Linear Electron Accelerator at
	_	Sand Hill Sites on Stanford University Lands Volume IV John A. Blume &
	2	Associates, 12/2/1960
		Review of the Stanford Proposal for a Two-Mile Linear Electron Accelerator,
	3	6/1958, William M. Brobeck & Associates
	4	Proposal for a Two-Mile Linear Electron Accelerator. April, 1957. [stamped:
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 - 4 Accelerator Summer School, 1984, FNAL
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 - 8 Steering Committee General
 - 9 Accelerator School Steering Committee, 2/1989, 2/22/1989, Washington
 - 10 Accelerator Summer School, 1986
 - 11 Accelerator School, begin 1986, desk
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 - 13 Accelerator Summer School, 7/15-26/1985
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- 2 1 FNAL trip with Mel Month, 8/13/1987
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- 6 12th International Conference on High Energy Accelerators (ICHEA), 8/11-16/1983
- 7 International Committee for Future Accelerators (ICFA), Paris Conference, 7/1982
- 8 IXth ICHEA
- 9 4th European Particle Accelerator Conference (EPAC), London, England 6/27-7/1/1994 (BR will not attend)
- International Europhysics Conference on High Energy Physics, Marseille, France, 7/22-28/1993
- 11 EPAC92, Technical University of Berlin, Germany, 3/24-28/1992
- 12 EPAC, Nice, France, 6/12-16/1990
- 13 27th International Conference on High Energy Physics (ICHEP), Glasgow, Scotland, 7/20-27/1994
- Trip report, 17th International Linac Conference, Tsukuba, Japan, 8/21-26/1994 (Greg Loew)
 - 2 26th ICHEP, Dallas, Texas, 8/6-12/1992
 - 3 IEEE Nuclear Science Symposium, Norfolk, Virginia, 10/30-11/10/1989
 - 4 Photon-Photon Collision Workshop, University of California, San Diego, California, 3/22-26/1992
 - 5 Pan American Symposium, Argentina, 11/6/1989
 - 6 17th International Symposium on Lepton-Photon Interactions, Beijing, China, 8/10-15/1995

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- Workshop on Physics and Experiments on Linear Colliders, Saariselka, Finland, 8/1994
- 8 European Meeting on Linear Collider Physics, Finland, 9/9-14/1991
- 9 15th ICHEA, Hamburg, Germany, 7/20-24/1992
- Les Rencontres De Physique De La Vallee D'Aoste, La Thuile, Italy, 3/3-9/1996
- 11 Les Rencontres..., 3/5-11/1995
- 12 Les Rencontres ..., 3/6-12/1994
- 13 Les Rencontres ..., 3/7-13/1993
- 14 Les Rencontres ..., 3/8-14/1992
- 15 Les Rencontres ..., 3/3-9/1991
- 16 Les Rencontres ..., 3/8-24/1990
- Four Seas Conference, "Physics Without Frontiers," Trieste, Italy, 6/25-7/1/1995
 - 2 DA NE 1995 Workshop, Frascati, Italy, 4/4-7/1995
 - Particle Physics and International Collaboration Meeting, Gran Sasso, Italy, 2/24-26/1994
 - 4 ADA and ADONE: Thirty Years, Frascati, Italy, 11/3/1993
 - 5 25th ICHEP, Singapore, 8/2-8/1990
 - 6 1989 Accelerator Conference, Japan, 8/22-26/1989 (BR on Advisory Committee)
 - 7 25th Conference of Spanish Royal Society of Physics, Santiago de Compostela, Spain, 9/18-22/1995
 - 8 1995 Large Hadron Colliders Workshop, Montreux, Switzerland, 10/15-21/1995 (D. M. Ritson attend)
 - 9 Ugo Amaldi 60th Birthday Celebration, DELPHI Experiment Meeting, CERN, 12/7/1994
 - Lepton-Photon Symposium, CERN, 7/25-8/1/1991
 - John Kendrew Review, United Kingdom, 6/1985
 - 12 Linear Collider Workshop, Protvino, USSR, 9/1991
 - 13 International Conference on Instrumentation for Colliding Beam Physics, Novosibirsk Workshop, 3/15-21/1990

Subseries C: Department of Energy (DOE), 1983-1996

- 5 1 DOE Budget, 1994
 - 2 DOE Contract, 1993
 - 3 National Competitiveness Act, 1993
 - 4 National Performance Review, 1993
 - 5 National Facility Study of Aerospace Infrastructure, 1993
 - 6 DOE/NASA Cooperative Program, 1992
 - 7 DOE Conduct of Operations, 1991
 - 8 Office of Economic Impact and Diversity, 1994
 - 9 Economic Stimulus and Investment Package, 1993
 - 10 Energy Facility Contractor's Group, 1994
 - 11 Restructuring of Energy Research, 1994
 - 12 Martha Krebs, 1994
 - Dr. William Happer, Director of Energy Research, 1991-1993
 - 14 ESnet Steering Committee, 1993
 - 15 Facility Operations Questionnaire, 1994

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- 16 Fossil Energy, 1994
- 17 General Counsel, 1993
- 18 High Performance Computing, 1993
- 19 DOE International, 1992
- 20 DOE Lab Management, 1993
- 21 Laboratory Outreach Communications Plan, 1994
- 6 1 DOE Miscellaneous, 1994
 - 2 DOE Miscellaneous, 1993
 - 3 Safeguards and Security Review, 1993
 - 4 Logo Redesign, 1993
 - 5 National Energy Policy Plan, 1994
 - 6 The National Laboratories of the U.S. Department of Energy (GAO report), 1994
 - 7 DOE Office of NEPA, 1991-1993
 - 8 DOE/SLAC Senior Management Meetings, 1994
 - 9 DOE Senior Management Meeting, 7/7/1994
 - 10 DOE-Oakland Operations Office, 1994
 - 11 DOE SAN-Oakland Operations Office, 1993
 - 12 DOE "Openness Initiative" Meeting, 3/16/1994
 - 13 DOE Orders, 1992-1993
 - 14 Performance Evaluation of Basic Research, 1993
 - 15 DOE Program Review, 4/6-7/1994
 - 16 DOE Program Review, 5/26-27/1993
 - 17 Draft Public Involvement Policy, 1993
 - 18 Quality Assurance in Research, 1992
 - 19 DOE Office of Quality Management, 1994
 - 20 Salary Freeze FY 1994
- DOE Office of the Secretary (Hazel O'Leary), 1993 [1/2]
 - 2 DOE Office of the Secretary (Hazel O'Leary), 1993 [2/2]
 - 3 DOE Quality Council, 1993
 - 4 Secretary of Energy Notices, 1991-1993
 - 5 DOE/SLAC Site Office, 1993
 - 6 Strategic Environmental R&D Program Coordination, 1994
 - 7 Strategic Planning Meeting, 1993
 - 8 Substance Abuse, 1992
 - 9 SLAC FY 1994 Summary Appraisal
 - 10 DOE Lab Technology Act of 1993 (HR1432)
 - 11 Technology Initiatives, 1993
 - Women's Programs, 1994
 - 13 Contract Reform, 1993
- 8 1 Contract Reform Public Meeting, 9/14/1993 (Perestroika Files)
 - 2 Core Competencies, 1993-1995
 - 3 Defense Nuclear Facility Safety Board (DNFSB), 1993
 - 4 DNFSB Recommendation, 3/1993
 - 5 DOE/DOC Relations (Energy/Commerce), 1993
 - 6 Engineering Initiative, 1993

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- 7 Environment, Safety & Health, 1993
- 8 GAO Report to Secretary, 1993
- 9 Government-Owned Contractor-Operated (GOCO), 1993
- 10 Industrial Research Institute, Washington DC, 1/21/1994
- 11 Infrastructure, 1993
- 12 Laboratory Mission Team, 1994
- 13 Laboratory Mission Priority Report, 1993
- 9 1 Performance Evaluation, 1993
 - 2 Performance Measures for DOE Labs, 1993
 - Performance Measures on Science Meeting, 12/1-2/1994, Visiting Committee Reports
 - 4 Roled Missions, O'Leary, 7/7/1993
 - 5 Performance Measures Workshop, 12/1-2/1994, Visiting Committee reports
 - 6 Performance Measures, 9/1993
 - 7 National Performance Review, 1993 "White House"
- 10 1 Perestroika miscellaneous, 1993
 - 2 Strategic Environmental Research & Development Program (SERDP), 1993
 - 3 Perestroika Strategic Plan, 1993-1994
 - 4 Perestroika Lab Directors, Technology Transfer, 1994
 - 5 Three Point Program Task Force, 1993
 - 6 Motorola Meeting, Three Point Program, 7/8-10/1993
 - 7 Perestroika Who's What
 - 8 Secretary of Energy Advisory Board (SEAB), 1994
 - 9 Vic Reis Letter, 1995
 - 10 Galvin SEAB Task Force Miscellaneous Correspondence, Schedules, etc., 1994
 - Galvin SEAB Report, "Alternative Futures for the DOE National Laboratories," 1995 [1/2]
 - Galvin SEAB Report, "Alternative Futures for the DOE National Laboratories," 1995 [2/2]
- 11 Galvin SEAB Full Task Force Meeting, 9/19/1994
 - 2 Galvin Laboratory Reviews, 1994
 - 3 Galvin Committee (SSRL), 1994
 - 4 Galvin Subgroup on Energy, Environment, New Missions, 1994
 - 5 Galvin Subgroup on Industry, Laboratory, and University, 1994
 - 6 Galvin Subgroup on National Security, 1994
 - 7 Bios on the SEAB Task Force on Alternative Futures for the DOE Labs, 1994
 - 8 Galvin SEAB Task Force Meeting, Background Books, 1994
 - 9 Motorola/Milliken Quality Institute, Galvin Center, 7/1993
 - 10 Motorola/Milliken Quality Institute, 8/1993
 - 11 Second Motorola/DOE Laboratory Directors Retreat, 8/1993
- 12 DOE National Science and Technology Council (NSTC) Lab Point of Contact Meeting, 10/19/1994 [1/2]
 - DOE National Science and Technology Council (NSTC) Lab Point of Contact Meeting, 10/19/1994 [2/2]
 - 3 NSTC White Papers, 10-12/1994
 - 4 NSTC White Papers, 8-9/1994 [1/2]

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	5	NSTC White Papers, 8-9/1994 [2/2]
	6	NSTC White Papers, 5-7/1994
	7	DOE Strategic Planning Meeting, Tyson's Corner, Virginia, 10/12-15/1993
13	1	DOE Science Critical Success Factor Team, Strategic Planning, 1993
	2	Contract Reform, 1994
	3	Contract Reform Responses, 1994
	4	Contract Reform Book, 1994
	5	Lab Directors/Contract Reform Team, Washington, DC (Rescheduled)
	6	DOE Management and Operating (M&O) Contract Reform Roundtable, 2/14-15/1994
	7	Contract Reform "Not for Profit", 1993
	8	Core Values and Mission Statements, 1993
	9	Secretary of Energy Advisory Board (SEAB), 1990-1992 [1/2]
	10	Secretary of Energy Advisory Board (SEAB), 1990-1992 [2/2]
	11	SEAB meeting, 1/8-9/1991
14	1	DOE Secretary, 1992
	2	DOE Secretary, 1991
	3	DOE Secretary, 1990
	4	Four Directors Letter to Watkins, 11/18/1991
	5	Watkins Summit Meeting, 12/1991
	6	Secretary's Retreat, Leesburg, Virginia, 12/16-18/1991
	7 8	GOCO [Government-owned, contractor-operated] Committee, 1991 GOCO Backup Papers
	9	Retreat Preparation Meeting in Denver, 11-12/1991
15	1	GOCO Draft Report and Responses, 11/1991
13	2	Order Revision Initiative, 1995
	3	[Untitled pocket binder: Background Material for DOE Planning on Future
		Roles and Missions, 12/16-18/1991]
	4	Roles and Missions Committee, 1991
	5	Summit, Energy R&D Strategy, DOE
	6	Office of High Energy and Nuclear Physics, Hess/O'Fallon/Decker/Hunter, 1989-1990
	7	Technology 89: R&D Laboratory Technology Transfer Program, DOE/ER-0428, DE90002686
	8	Interim Report: National Energy Strategy-A Compilation of Public Comments, 4/1990, DOE/S-0066P
16	1	DOE Secretary Hazel R. O'Leary, 1994
-	2	DOE Deputy Secretary Bill White, 1994
	3	ER/DOE Lab Directors Monthly Conference Call, 1994
	4	Office of High Energy and Nuclear Physics (Hess/O'Fallon), 1991
	5	Chief Information Officer, 1995
	6	Committee on Environment and Natural Resources (CENRA), 1995
	7	Correspondence, 1993-1995
	8	Environmental Management, 1995
	9	U.S. General Accounting Office, 1994
	10	Indirect Cost Reduction, 1995

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- 11 Indirect Cost Review, 1994
- 12 DOE Miscellaneous, 1995
- 13 Management and Business Practices Committee
- 14 Oakland Operations Office, 1995
- 15 SLAC/DOE Senior Management Meetings, 1995
- 16 Comments on Realignment Plan for Oakland Operations Office, 1995
- 17 National Energy Plan, 1995
- 18 Policy/Standards Process Improvement Team, 1995
- 19 The Quality Transformation: A Catalyst for Achieving Energy's Strategic Vision, 1995
- 17 DOE Realignment, 1995 [1/2]
 - 2 DOE Realignment, 1995 [2/2]
 - 3 DOE Headquarters Realignment Plan, 8/1995
 - 4 DOE Realignment, 1993-1994
 - 5 Organizational Realignment of DOE, Washington, DC Meeting, 4/23/1993
 - 6 Research and Development Priorities, 1995
 - 7 DOE Restructuring, 1994
 - 8 DOE/OSTI [Office of Scientific and Technical Information] Research and Development Tracking Database System, 1995
 - 9 DOE Site Offices, 1995
 - 10 DOE Technical Standards Program, 1994
 - 11 SSRL
 - 12 DOE Summary Appraisal, 1995
 - 13 Technology Transfer Strategic Plan, 7/1993
- 18 1 Technology Transfer, 1993 [1/2]
 - 2 Technology Transfer, 1993 [2/2]
 - 3 Regional Technology Transfer Industry Feedback Conference, 9/29/1993
 - 4 Directors of Multiprogram Labs (Tech Transfer), Chicago, 6/16/1993
 - 5 National Technology Conference, 10/15/1992
 - 6 Technology Transfer, 1991-1992
 - 7 Total Quality Management (TOM) Communication Directory, 3/1994
 - 8 Technology Transfer, 1990
 - 9 TQM Implementation Guidelines, 12/1993
 - Workshop to Develop the Science Program for Environmental Management, 7/21/1995
 - 11 Technology Partnerships Metrics Working Group, 1995
 - 12 Yergin Task Force, 1995
 - 13 Office of Energy Research, Organization Chart, 1995
 - 14 Office of Energy Research, Strategic Plan, 1995
- 19 Census and Workforce Study of the High Energy Physics Community, 1995
 - 2 Computational and Technology Research, 1995
 - 3 Directives/Order Reduction, 1995
 - 4 Directives Management Board, 1995
 - 5 Tenth Semiannual ES&H Coordination Meeting, Germantown, MD, 11/13-15/1996
 - 6 Ninth Semiannual ES&H Coordination Meeting, Germantown, MD, 4/16/1996

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- 7 Meeting with Tara O'Toole, 5/11/1995
- 8 Environment, Safety, and Health (ES&H), 1994
- 9 External Regulation, 1995
- 10 Federal Advisory Committee on Nuclear Safety, 1994
- 11 Metric Transition Plan, 1994
- 12 National Science and Technology Council (NSTC), Lab Directors Council, 1994
- 13 NSTC Laboratories Review, 1995
- 14 SLAC's "Resume" as it applies to eight of the NSTC committees, 1994
- 15 NSTC Committee on Civilian Industrial Technology R&D, 12/2/1994
- 16 Proceedings on the Summit Working Group on High Energy Physics, 4/1984
- 17 Technology Transfer, Department of Commerce, 1993
- 20 1 Technology Transfer, FNAL Presentation, 10/6/1994
 - 2 Technology Transfer, 1994
 - 3 Technical Reviews of DOE Laboratories, 1995
 - 4 SSRL, 1994
 - 5 Project M Laser Acceleration, 1983 [1/2]
 - 6 Project M Laser Acceleration, 1983 [2/2]

Subseries D: Fusion

- 7 BNL Workshop Proceedings (BNL-50769)
- 8 Inertial Confinement Fusion (ICF), Washington, DC, 11/29/1979
- 9 1978 Heavy Ion Fusion (HIF) Reports
- 21 1 Winterberg correspondence
 - 2 Los Alamos ICF Review, 8/20-21/1981
 - 3 ICF Review Draft Report, 5/1979
 - 4 ICF Briefings, 1979, Notes
 - 5 Foster Panel III, 1979
 - 6 Draft of Inertial Fusion Program Report, 5/11/1979
 - Foster Committee Nova Review, 12/13-14/1978
 - 8 Moe Panel ICF Declassification, 1/1979
 - 9 Ion Fusion ERDA Study, 1976
 - 10 Arnold, Push for Classification 8/1977
 - 11 Maglich
- 22 1 Ion Fusion Workshop, 1977
 - 2 Report of the Fusion Review Panel, 6/1980
 - 3 Hermannsfeldt HIF Papers
 - 4 ICF Miscellaneous Notes, 1980
 - 5 HIF Workshop, 10/1979
 - 6 HIF Workshop, 10/1979, Notes and Reports
 - 7 Magnetic Fusion Energy (MFE) Briefing, 3/15/1978
 - 8 Fusion Review Minutes and Drafts
 - 9 An Evaluation of Alternate Magnetic Fusion Concepts, 1977 (Draft)

Subseries E: High Energy Physics Advisory Panel (HEPAP)

- 23 1 [HEPAP, 4/2-3/1973]
 - 2 HEPAP, 5/24-25/1972
 - 3 HEPAP, 10/3-4/1973
 - 4 [HEPAP, 9/27-28/1972]

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HEPAP AEC Staff Reports

SERIES	SERIES 3: Science Policy			
Box	Folder	Folder title		
	7	HEPAP Collaboration with Russians (Drell)		
	8	HEPAP Congressional Hearings		
27	1	General Advisory Committee (GAC) Review Committee		
	2	HEPAP Budget Information		
	3	HEPAP, 6/20-21/1973, NAL		
	4	HEPAP, 10/3-4/1973		
	5	HEPAP Proposals and Long Range Plans [1/2]		
	6	HEPAP Proposals and Long Range Plans [2/2]		
	7	HEPAP, 10/5-6/1989 [1/2]		
	8	HEPAP, 10/5-6/1989 [2/2]		
28	1	HEPAP, 5/16-17/1989, FNAL		
	2	HEPAP, 2/7/1989, WDC		
	3	HEPAP, 1989, General		
	4	HEPAP, 1/18/1989, Hilton Head [1/2]		
	5	HEPAP, 1/18/1989, Hilton Head [2/2]		
	6	HEPAP, 1/9/1989, SLAC (Funding)		
	7	HEPAP, 11/14-15/1989		
	8	HEPAP Snowmass, 7/13-17/1988		
	9	HEPAP, Siemann Subpanel on Accelerators, 4/28/1988, SLAC		
	10	HEPAP, Trieman Subpanel on Future Modes, 4/15/1988, SLAC		
	11	HEPAP, Pondrom Subcommittee on Detectors, 3/25/1988, SLAC		
	12	HEPAP, 12/15/1987, BR Budget Talk		
	13	HEPAP, Subpanel on International Superconducting Super Collider (SSC), 1987		
	14	HEPAP, 9/9-10/1987, DC		
20	15	HEPAP, 5/14-15/1987, SLAC		
29	1 2	HEPAP, 2/19-20/1987, DC HEPAP, 2/19/1987, DC; Report on SLAC Linear Collider (SLC), SLAC Large		
	2	Detector (SLD), Budget		
	3	HEPAP, 5/23-24/1985, SLAC		
	4	HEPAP, 2/11-12/1985, DC		
	5	HEPAP R&D Subpanel/HEPAP US-1		
	6	Report of the HEPAP Subpanel on Advanced Accelerator R&D and the SSC		
	7	Computing for Particle Physics, 8/1985		
	8	Report of the 1985 High Energy Physics Advisory Panel Study of the US High		
	O	Energy Physics Program 1985-1995		
	9	HEPAP Summer Study Meeting, 6/5/1985, Coolfront Conference Center, West		
		Virginia		
	10	1985 HEPAP Summer Study [1/2]		
	11	1985 HEPAP Summer Study [2/2]		
30	1	Report of the 1985 HEPAP Study of the US High Energy Physics Program		
-	2	Woods Hole, 1983		
	2	HEDAD 1007 1007 C 1		

HEPAP, 1986-1987, General HEPAP, 4/13/1992, DC HEPAP Witherell Subpanel Meeting, Argonne, 4/6/1992 HEPAP Subpanel Review, SLAC, 2/22-23/1992 LBL High Energy Physics, 2/22/1992 [1/2]

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	8	LBL High Energy Physics, 2/22/1992 [2/2]
	9	HEPAP Witherell Subpanel Meeting, 2/22/1992
31	1	HEPAP Witherell Subpanel Meeting, 2/22/1992
	2	Positron Electron Project II (PEP-II), A Status Report, 2/22/1992
	3	HEPAP Subpanel, 1992 [1/2]
	4	HEPAP Subpanel, 1992 [2/2]
	5	HEPAP Subpanel Letters, 1992
22	6	DOE HEPAP Meeting, NSF, DC, 2/17-18/1992
32	1	HEPAP, 1992
	2	HEPAP, DC, 10/28/1991 [1/2]
22	3	HEPAP, DC, 10/28/1991 [2/2] HEPAP, DC, 6/4-5/1991
33	1 2	HEPAP, 1990-1991
	3	HEPAP Meeting, 4/1990
34	1	HEPAP Meeting, SLAC, 9/21-22/1990 [1/2]
JT	2	HEPAP Meeting, SLAC, 9/21-22/1990 [2/2]
	3	HEPAP Meeting, Germantown, MD, 4/23-24/1990
	4	DOE HEPAP Subpanel, 4/1990 [1/3]
	5	DOE HEPAP Subpanel, 4/1990 [2/3]
	6	DOE HEPAP Subpanel, 4/1990 [3/3]
35	1	High Energy Physics Advisory Panel, 1994
	2	HEPAP Sciulli Subpanel Meeting, 3/7-9/1990
	3	HEPAP, 1993
	4	Accelerator Physics Questionnaire, 1995
	5	HEPAP "NSF-HEP Review '96"
	6	HEPAP "Manpower Survey," 1996
	7	NSAC, Long Range Plan 1996
	8	NSAC, Long Range Plan 1995
	9	HEPAP Subpanel Meeting, Brookhaven National Laboratory, 9/18-21/1997
	10	DOE HEPAP Meetings, Fermilab, 7/16-17/1997
	11 12	HEPAP, 1/13-14/1997 [1/3] HEPAP, 1/13-14/1997 [2/3]
	13	HEPAP, 1/13-14/1997 [2/3]
36	1	HEPAP Meeting, Brookhaven, 10/7-8/1996
50	2	HEPAP Meeting, Cambridge, MA, 5/13-14/1996
	3	HEPAP Meeting, DC, 2/27-28/1996
	4	DOE HEPAP Meeting, FORS/ Room 1E-245, 3/2-3/1995 [1/2]
	5	DOE HEPAP Meeting, FORS/ Room 1E-245, 3/2-3/1995 [2/2]
	6	HEPAP Meeting @ SLAC, 11/18-19/1994 [1/3]
	7	HEPAP Meeting @ SLAC, 11/18-19/1994 [2/3]
	8	HEPAP Meeting @ SLAC, 11/18-19/1994 [3/3]
37	1	Extra information on Hewett's talk, "NLC Physics," HEPAP, 11/1994
	2	HEPAP Meeting, Arlington, VA, 3/7-8/94
	3	HEPAP Meeting, 11/8-9/1993
	4	HEPAP Meeting, Washington, 4/7-8/1993
	5	Accelerator-Based Neutrino Oscillation Experiments, 1994

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- 6 "SAGENAP [Scientific Assessment Group for Experiments in Non-Accelerator Physics] Review 1996"
- 7 SSRL-Summary of Presentations for BESAC [Basic Energy Science Advisory Committee] Panel on SRSS [Synchrotron Radiation Sources and Science], 7/8-9/1997
- 8 HEPAP "Gilman Panel," 1997
- 9 Gilman HEPAP Subpanel, 6/24-26/1997
- HEPAP Gilman Subpanel, Pre and Post Meeting Correspondence, 6/24-26/1997
- HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics, 6/24-26/1997 [1 of 5]
- HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics, 6/24-26/1997 [2 of 5]
 - 2 HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics, 6/24-26/1997 [3 of 5]
 - 3 HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics, 6/24-26/1997 [4 of 5]
 - 4 HEPAP Subpanel on Planning for the Future of U.S. High Energy Physics, 6/24-26/1997 [5 of 5]
 - 5 HEPAP "Drell Panel," 1/1994

Subseries F: International

- 6 Canada, 1982-1990
- Next Large Electron Positron Collider (LEP) Machine Advisory Committee Meeting, 1984
- 39 1 LEP Machine Advisory Committee (LMAC), 1983
 - 2 LMAC, 1982 [1/2]
 - 3 LMAC, 1982 [2/2]
 - 4 LMAC, 9/13-14/1983
 - 5 LMAC, Organisation Européenne pour la Recherche Nucléaire (CERN), 3/14-19/1982
 - 6 LMAC Meeting, CERN, 9/1-2/1981
 - 7 LEP Summer Study, 1978-1979
 - 8 LEP LMAC, 1981
 - 9 LEP Machine Advisory Committee, 1980
 - 10 LEP Steering Committee, 2/28/1979
 - 11 LMAC, 10/1-5/1989
 - 12 LMAC, 9/12-13/1988
- 40 1 LMAC, 9/28-29/1987
 - 2 LMAC, 2/9-10/1987
 - 3 LMAC, 2/10-11/1986
 - 4 LMAC, 9/1985
 - 5 LMAC, 1985
 - 6 Deutsches Electron-Synchrotron (DESY) Science Council, 1976-1982
 - 7 Positronen Elektronen Tandem Ring Anlage (PETRA), 1977-1981
 - 8 DESY Miscellaneous, 1975-1976
 - 9 DESY, 1981-1982 [1/2]
 - 10 DESY, 1981-1982 [2/2]

10/14/1990

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41	1	DESY Research Program '96, 1995
	2	Voss Fest at DESY, Hamburg, Germany, 5/26/1995
	3	DESY Scientific Colloquium and Soergal Celebration, 2/25/1993
	4	HERA Machine Committee Meeting (DESY), 11/25-26/1991
	5	HERA Machine Committee Meeting (DESY), 4/22-24/1991
	6	HERA Machine Committee Meeting (DESY), 9/8-15/1990
	7	HERA Machine Committee Meeting (DESY), 3/13-14/1990
	8	HERA Reports
	9	HERA Machine Committee Meeting (DESY), 11/1-2/1989. BR did not attend
	10	HERA Machine Committee Meeting (DESY), 6/13-14/1989. BR did not attend
	11	HERA Machine Committee Meeting (DESY), 2/14/1989.
	12 13	HERA Machine Committee Meeting (DESY), 11/1-2/1988
42	13	HERA Machine Committee Meeting (DESY), 6/22-23/1988 [Unfoldered material: HERA-DESY publications, 5/1984-12/1987]
72	2	HERA Machine Committee Meeting (DESY), 2/11-12/1988
	3	Reappointment to HERA Machine Committee, 1987
	4	HERA Machine Committee Meeting (DESY), 10/01/1987
	5	HERA Machine Committee Meeting (DESY), 6/2/1987
	6	HERA Machine Committee Meeting (DESY), 2/12/1987
	7	[HERA Machine Committee Meeting (DESY), 10/7-8/1987]
	8	HERA Machine Committee Meeting (DESY), 2/13-14/1986
	9	HERA Machine Committee Meeting (DESY), 5/29/1986
	10	[Unfoldered material: HERA Machine Committee Meeting (DESY), 10/15-
		16/1985]
43	1	[HERA Machine Committee Meeting (DESY), 6/1984]
	2	HERA Meeting, 1985
	3 4	European Committee for Future Accelerators (ECFA)
	5	Frascati Instrumentation Schedule, 5/8-12/1973 Frascati Linac
	6	International Committee for Future Accelerators (ICFA), 1978-1979.
	7	ICFA, 11/21-22/1983
44	1	ICFA, 1980-1982 [1/2]
	2	ICFA, 1980-1982 [2/2]
	3	ICFA Workshop, BNL, 10/5/1987
	4	ICFA Meeting, Japan, 5/1984
	5	ICFA Workshop, Les Diablerets, 10/3-10/1979
	6	ICFA Workshop, FNAL, 11/1978, "Limits to Future Accelerators"
	7	ICFA Meeting, Vancouver, B.C., 1/16-17/1994
45	1	ICFA Meeting, Japan, 1/13/1993
	2	ICFA Meeting at SSC (with Lab Directors), 1/29/1992
	3	ICFA Special Meeting, CERN, Geneva, Switzerland, 12/4/1993
	4	ICFA Seminar, Hamburg, Germany, 5/3-7/1993
	5	ICFA Subgroup on International Applicators, Hamburg, Germany, 7/20/1002
	6 7	ICFA Subgroup on International Accelerators, Hamburg, Germany, 7/20/1992
	/	ICFA, Seminar on Future Perspectives in High Energy Physics, Protvino, USSR,

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- 8 US/Japan, Meeting at Brookhaven National Laboratory (BNL), 6/5-6/1989
- 9 US/Japan, Japanese at SLAC, 1989
- 10 US/Japan, (Seventh) Japan Prize Nomination, Science and Technology Foundation of Japan, 1991
- 11 US/Japan, Sugawara Visit, 2/16/1989, Director of KEK
- 12 US/Japan, SLAC/Japan Linear Collider
- 13 US/Japan, Meeting, SLAC/KEK, 2/1988
- 46 1 US/Japan, SLC Large Detector (SLD)
 - 2 US/Japan, Meeting at KEK, 5/24-25/1988
 - 3 US/Japan, General, 1987
 - 4 US/Japan, Meeting, 1987
 - 5 US/Japan Review Committee, 3/2-3/1987 at SLAC (Fitch Committee) [1/2]
 - 6 US/Japan Review Committee, 3/2-3/1987 at SLAC (Fitch Committee) [2/2]
 - 7 US/Japan, 1987
 - 8 M. A. Allen trip to Japan, 10/1987
 - 9 [Unfoldered material: Correspondence, Memos, Publications, Product Brochures, concerning US/Japan colllaboration, 1981-1987]
- 47 1 US/Japan, Meeting at SLAC, 10/31/1986
 - 2 Japan [1/2]
 - 3 Japan [2/2]
 - 4 US/Japan, Agreement
 - 5 U.S./Japan Meeting, 5/27-28/1986 at Tsukuba [1/2]
 - 6 U.S./Japan Meeting, 5/27-28/1986 at Tsukuba [2/2]
- Achievement Report of US/Japan Cooperation in The Field of High Energy Physics (1979-1985), material submitted to the Subcommittee on Extension of tThe US/Japan Cooperation (Honolulu, Hawaii, 3/13-15/1986)
 - 2 US/Japan, Meeting at SLAC, 5/1985, Meeting Record
 - 3 US/Japan, Collaboration, 5/1985, Business
 - 4 US/Japan, Collaboration and Background, Nikko, 5/21/1984
 - 5 US/Japan, George A. Keyworth trip, Japan and SSC, 3/23/1984
 - 6 US/Japan, Katsuhika Azuma [Bank of Tokyo], Collaboration discussions, 1978-1979 [1/2]
 - 7 US/Japan, Katsuhika Azuma [Bank of Tokyo], Collaboration discussions, 1978-1979 [2/2]
- 49 1 Japan, 1989-1994
 - 2 Japan Technology Management Program, 1992
 - Japan/US Linac Coherent Light Source (LCLS) Collaboration Meeting, SLAC, 5/27-28/1994
 - 4 KEK Topical Conference on e+e- Collision Physics, KEK, Japan, 11/26-29/1991
 - 5 Japan Trip-Collaboration Discussions and Workshop, NLC, 3/31/1990-4/5/1990
 - 6 Max Planck Institute [1/2]
 - 7 Max Planck Institute [2/2]
 - 8 China Visit, 10/7/1981-11/4/1981
 - 9 US/PRC, 1989
 - 10 US/PRC, 10/1989
- 50 1 US/PRC, Meeting Record, 9th meeting, Beijing, 10/1988

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- 2 US/PRC, Meeting at Fermi National Accelerator Laboratory (FNAL), 9/28-29/1987
- 3 US/PRC, 1987
- 4 US/PRC, Meeting, 10/1986
- 5 US/PRC, Joint Committee on High Energy Physics, 10/8-10/1986
- 6 US/PRC, 1986
- 7 US/PRC, China "Machine"
- 8 China Machine (F-6)
- 9 US/PRC, Hefei [National Synchrotron Radiation Laboratory] (HESYRL)
- 10 US/PRC, begin 1985
- 11 US/PRC (F-6)
- 51 US/PRC, Meeting at BNL, 10/21/1985
 - 2 US/PRC, 12/13/1984 (F-6)
 - 3 US/PRC, SLAC visit logistics, 11/1985
 - 4 US/PRC, China Ring, 1981
 - 5 US/PRC, China file, 1973-1980
 - 6 US/PRC, Chinese, 1982-1984 [1/2]
 - 7 US/PRC, Chinese, 1982-1984 [2/2]
 - 8 Wolfgang Panofsky's China Trip Report, 6/26/1993-7/3/1993
- 52 1 Wolfgang Panofsky's China Trip Report, 10/13-22/1992
 - 2 Beijing, China Trip Report (Burton Richter, Ewan Patterson, Walter Toki), 12/1990
 - Wolfgang Panofsky's Beijing, China Trip Report, 10/29/1989-11/10/1989
 - 4 Wolfgang Panofsky's Beijing, China Trip Report, 5/13-25/1988
 - 5 U.S./USSR (Joint Coordinating Committee on Fundamental Properties of Matter) Meeting at Fermilab, 10/25-26/1990
 - 6 JCC FPM Parent Committee Meeting at Protvino, USSR, 5/23-26/1989
 - 7 USSR General, 1989
 - 8 JCC FPM at BNL, 11/21-22/1988
 - 9 USSR, General, 1988
 - 10 Collaboration with Novosibirsk, 1988
 - 11 10th Meeting JCC FPM at Yerevan, Meeting record, 11/1987
 - 12 JCC FPM Back-up Material at Yerevan, 11/1987
 - Soviets 1978 to Present (3/1988) prepared for SLAC input to 4/1988 JCC FPM
 - 14 9th Meeting JCC FPM Agreement for 1987
 - 15 JCC FPM Parent Committee Meeting in Washington DC, 4/1988
- 53 U.S./USSR Collaboration at SLAC, 2/1-3/1987
 - 2 USSR, General, 1987
 - 3 USSR, General, 1986
 - 4 USSR, General, 1985
 - 5 JCC FPM, 11/1985
 - 6 USSR IHEP Request for Library Tapes
 - 7 USSR, General, 1984
 - 8 JCC FPM at Fermilab, 12/5-6/1984
 - 9 USSR, General, 1983
 - 10 JCC FPM Meeting in Moscow, 4/1983 [1/2]

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- 11 JCC FPM Meeting in Moscow, 4/1983 [2/2]
- 12 Novosibirsk, SLAC, DELCO, 1977-1978
- 54 1 USSR, General, 1982
 - 2 JCC FPM at SLAC, 2/26-27/1982
 - 3 JCC FPM, SLAC, 9/14-10/17/1981
 - 4 JCC FPM Meeting in Russia, 12/1980
 - 5 JCC FPM at Fermilab, 1979
 - 6 JCC FPM, SLAC, 1977-1978
 - 7 JCC FPM at Fermilab, 9/9-11/1976
 - 8 Novosibirsk Collaboration, 1973-1981
 - 9 U.S./USSR Collaboration, circa 1973
 - Trip Report, Joint Institute for Nuclear Research (DUBNA), Moscow, Russia, 7/26-29/1993, Greg Loew

Subseries G: Laboratory Directors

- Laboratory Directors Meeting, 12/5-6/1991
 - 2 DOE Laboratory Directors Meeting, 6/7/1991
 - 3 DOE Laboratory Directors Meeting, 5/25/1990
 - 4 Laboratory Directors Meeting, DC, 9/20/1989
 - 5 Laboratory Directors Meeting at DC, 6/6/1989
 - 6 Laboratory Directors Meeting, DC, 2/26/1988
 - 7 Laboratory Directors Meeting, 2/20/1987
 - 8 Laboratory Directors Meeting, Oak Ridge, 4/23/1986
 - 9 Laboratory Directors Meeting, DC, 2/7/1986
 - 10 Laboratory Directors Meeting, DC, 10/30/1985
- Laboratory Directors Meeting, 9/12/1986 [1/2]
 - 2 Laboratory Directors Meeting, 9/12/1986 [2/2]
 - 3 Laboratory Directors Meeting, 5/20/1985
 - 4 Laboratory Directors Meeting, DC, 2/6/1985
 - 5 Laboratory Directors Meeting, 9/24/1984, Sandia
 - 6 DOE-2 Laboratory Directors Meeting, 5/11/1984, DC
 - 7 Laboratory Directors Meeting, Washington, D.C., 12/20/1993
 - 8 DOE Laboratory Directors Meeting, Ritz Carlton, Alexandria, Virginia, 9/14-15/1993
 - 9 DOE Laboratory Directors Meeting, Argonne, Illinois, 6/17/1993
 - 10 DOE Laboratory Directors Meeting, 3/25/1993
- 57 1 DOE/EPA Laboratory Directors Meeting, 3/25/1993 (BR not attending)
 - 2 DOE Laboratory Directors Meeting, Washington, DC, 3/24/1993 (BR did not attend)
 - 3 DOE Laboratory Directors Meeting, 12/2/1992
 - 4 DOE Laboratory Directors Meeting, 12/2/1992
 - 5 DOE Laboratory Directors Meeting, Washington, DC, 7/24/1992 [1/2]
 - 6 DOE Laboratory Directors Meeting, Washington, DC, 7/24/1992 [2/2]
- DOE Laboratory Directors Meeting, Washington, DC, 3/25/1992
 - 2 ER Laboratory Directors Meeting, 3/24/1992 [1/2]
 - 3 ER Laboratory Directors Meeting, 3/24/1992 [2/2]
 - 4 Laboratory Directors Meeting, 3/24/1992 [1/2]

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- 5 Laboratory Directors Meeting, 3/24/1992 [2/2]
- 6 Office of Energy Research Multi-Year Program Plans for FY 1994, 2/1992
- DOE Laboratory Directors Meeting, Washington DC, 12/7/1995
 - DOE Laboratory Directors Meeting and White House Nobel Dinner, 11/15/1995 (Both Cancelled)
 - 3 DOE ER Laboratory Directors Retreat, Seattle/Argonne National Laboratory, 8-9/1995
 - 4 DOE ER Laboratory Directors Retreat, Seattle/Argonne National Laboratory, 8-9/1995
 - 5 DOE Laboratory Directors Meeting, Washington, DC, 5/12/1995
 - 6 DOE Laboratory Directors Meeting, Washington, DC, 5/12/1995
 - 7 Laboratory Directors Meeting, 4/20/1995
 - 8 Washington Trip, 2/13-14/1995, DOE Lab Directors at Forrestal (DOE Paper)
- DOE Laboratory Directors Meeting (II), Washington, DC, 2/13-14/1995 (DOE Paper)
 - DOE Laboratory Directors Meeting, regarding Galvin Report for Secretary of Energy Advisory Board (SEAB), Washington, DC, 2/13-14/1995
 - 3 DOE Laboratory Directors Meeting, Smithsonian and APS Executive Board, 2/1-4/1995, Washington trip
 - 4 DOE Laboratory Directors Meeting Miscellaneous, 1995
 - 5 DOE Laboratory Directors Meeting, Washington, DC, 12/16/1994
 - 6 DOE Laboratory Directors Meeting at National Renewable Energy Lab (NREL) Denver, CO, 9/30/1994 (Cancelled)
 - 7 Laboratory Directors Meeting, 8/1/1994 (Cancelled)
 - 8 DOE Laboratory Directors Meeting at Lawrence Berkeley Laboratory, 6/29-30/1994
 - 9 DOE Laboratory Directors Meeting and SEAB at Lawrence Berkeley Laboratory (LBL), 6/29-30/1994 [1/2]
 - DOE Laboratory Directors Meeting and SEAB at Lawrence Berkeley Laboratory (LBL), 6/29-30/1994 [2/2]
 - DOE Ouarterly Laboratory Directors Meeting, Washington DC, 5/27/1994
 - DOE Quarterly Laboratory Directors Meeting at NREL, Golden, CO, 3/25/1994 (?)

Subseries H: Laboratories

- 13 Other U.S. Laboratory Programs, 1985-1991
- 14 Miscellaneous Programs, 1987
- 61 1 ZGS [1/2]
 - 2 ZGS [2/2]
 - 3 ZGS, Argonne Committee [1/2]
 - 4 ZGS, Argonne Committee [2/2]
 - 5 AUI [Associate Universities, Inc.] BNL Visiting Committee
 - 6 BNL Visiting Committee, 1976
 - 7 BNL Visiting Committee, 1975
 - 8 AUI, old
- Brookhaven National Laboratory, Information for 1973 Visiting Committee (Physics, Accelerator and Instrumentation)

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- 2 Brookhaven National Laboratory, Information for 1974 Visiting Committee (Physics, Accelerator and Instrumentation) [1/2]
- Brookhaven National Laboratory, Information for 1974 Visiting Committee, (Physics, Accelerator and Instrumentation)[2/2]
- 4 BNL, 1983-1993
- 5 Southeastern Universities Research Association (SURA)/Continuous Electron Beam Accelerator Facility (CEBAF) Review, 4/27/1989
- 6 SURA/CEBAF, Report for 1988
- 7 SURA/CEBAF Meeting, 12/7/1988, Burton Richter (BR) did not attend
- 8 SURA/CEBAF Review, 12/9/1987
- 9 SURA/CEBAF Review Committee, 11/18/1986
- 10 CEBAF Meeting, Newport News, Virginia, 12/2/1985
- 63 1 Continuous Electron Beam Accelerator Facility (CEBAF), 1985
 - 2 Continuous Electron Beam Accelerator Facility (CEBAF), 1985
 - 3 SURA/CEBAF, 3/31/1992
 - 4 SURA/CEBAF Review, 1/17/1990
 - 5 SURA/CEBAF Review, 1/18-19/1990
 - 6 Fermi Lab Review, 1/1981
 - Fermi National Accelerator Laboratory (FNAL), DOE Lab-Wide Review, 1/21-22/1981
- 64 1 FNAL Briefing HEPAP
 - 2 FNAL TeV Program, Material for Accelerator Subpanel, 5/9/1977
 - 3 NAL, Miscellaneous
 - 4 FNAL, Draft Design, 10/1978
 - 5 FNAL, Design Notes, 11/1978 meeting
 - 6 FNAL 2x Rev., 1/1979, Notes
 - 7 FNAL Rev., 1/18-20/1979, Tech Reports
- 65 1 FNAL Review, 6/14-15/1979, 11/13-14/1979
 - 2 Fermilab Review, 10/1978
 - 3 Fermi National Accelerator Laboratory (Fermilab), 1983-1994 [1/2]
 - 4 Fermi National Accelerator Laboratory (Fermilab), 1983-1994 [2/2]
 - 5 Proposal for a Fermilab Dedicated Collider, 4/1983
 - 6 LBL Advisory Committee
 - 7 LBL Review Committee
 - 8 LBL Visiting Committee
 - 9 Andrew Sessler Symposium on the Physics of Beams, LBL, 12/6/1993
 - 10 Lawrence Berkeley Laboratory (LBL) 1991-1993
 - 11 LLL Program Review, 2/1982
- Lawrence Livermore National Laboratory (LLNL) Relativistic Klystron, 1/1987-1/1994 [1/3]
 - 2 LLNL Relativistic Klystron, 1/1987-1/1994 [2/3]
 - 3 LLNL Relativistic Klystron, 1/1987-1/1994 [3/3]
 - 4 SSC, Stanford, 1988
 - 5 SSC, Physics, 1991-1992
 - 6 SSC, Organization, 1984-1990
 - 7 SSC, California Steering Committee, 1985-1988

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	8	SSC, Technical, 1984-1988
67	1	SSC, International, 1985-1990
	2	SSC, Miscellaneous, 1984-1991
	3	SSC, Politics, 1986-1990 [1/2]
	4	SSC, Politics, 1986-1990 [2/2]
	5	SSC, Site Proposal documents, 1987 [1/2]
	6	SSC, Site Proposal documents, 1987 [2/2]
	7	SSC, Central Valley, 1986
68	1	SSC, Mojave Site, 1986
	2	SSC, Magnet Review Panel, 1986 [1/2]
	3	SSC, Magnet Review Panel, 1986 [2/2]
	4	SSC, Briefing Materials, 1986 [1/3]
	5	SSC, Briefing Materials, 1986 [2/3]
69	1	SSC, Briefing Materials, 1986 [3/3]
	2	SSC, California site, 1985-1987 [1/3]
	3	SSC, California site, 1985-1987 [2/3]
	4	SSC, California site, 1985-1987 [3/3]
	5	Desertron (SSC), 1979-1984 [1/3]
	6	Desertron (SSC), 1979-1984 [2/3]
70	1	Desertron (SSC), 1979-1984 [3/3]
	2	SSC, Assets, 1994
	3	Michael Riordan's Comments on American Association for Advancement of
		Science Talk "What High Energy Physics Looks Like Without the
		Superconducting Supercollider," 2/1994
	4	SSC, People, 1993-1994
	5	SSC, Termination, 9/1993-3/1994
	6	SSC, 1993
	7	SSC, Meeting (Information and Education) Lisner Auditorium, George
		Washington University, 9/13/1993
	8	SSC, Crisis, 1993
	9	SSC, Crisis, 6/1992
71	1	Visit to SLAC by Ed Siskin, General Manager of the Superconducting
		Supercollider (SSC), 11/8/1992

Subseries I: Manuals and Publications

SSC, 1989-1992

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- Book: Mystery of Origin of Universe (Unified Theory), 1991.
- 4 Book: RHIC Workshop: Experiments for a Relativistic Heavy Ion Collider at Brookhaven National Laboratory, 4/15-19/1985
- 5 Book: RHIC and Quark Matter: Proposals for a Relativistic Heavy Ion Collider at Brookhaven National Laboratory, 8/1984.
- 6 Book: Physics and Plan for a 45 GeV Facility, 5/1986.
- Book: Collective Accelerators: A study carried out for the United States Department of Energy, 9/1981.
- 8 Book: High Energy Accelerators, Yerevan, 1969
- 1 Book: The Institute of Particle Physics: Electron-Proton Collisions at a Centre of Mass Energy of 200 GeV, circa 1970.

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- Book: IXth International Conference on High-Energy Accelerators, Catalogue of High Energy Accelerators, 5/1974.
- Book: Electron-Positron Colliding Beam Facility at Cornell, 5/1975
- Book: Addendum to a Proposal to Build a 14 GeV electron-Positron Colliding Beam Facility, EPIC, Rutherford Laboratory Report, 9/1975.
- 5 Book: Discussion Meeting on PETRA Experiments at DESY, Frascati, 3/1-5/1976.
- 6 Book: Particle Physics with Electron-Nucleon Colliding Beam Machine, University of Tokyo, 12/1979.
- Book: Tristan Design Report I, KEK, 6/1977.
- 8 Book: Preliminary Lattice Design of Tristan Storage Accelerators of 20 GeV and 300 GeV Protons, KEK, 8/1979.
- 9 Book: Summary of the Antiproton Collector Study at CERN, 12/13-14/1982.
- 10 Book: Recent Results in Electron-Positron and Lepton-Hadron Interactions, 1982.
- Book: Physics with Electron-Proton Colliders in View of HERA, Wuppertal, 10/2-3/1981
 - 2 Book: Study on the Proton-Electron Storage Ring Project HERA, 1980.
 - Book: Meeting on DORIS Experiments at DESY, 10/10-11/1977
 - 4 Book: Detector Meeting at DESY, 10/2-3/1975.
 - 5 Book: PETRA at DESY, Hamburg, 11/1974.
 - 6 Book: Final Parameters and Status of DESY Double Storage Ring, 9/1969.
 - Pook: HERA, A Proposal for a Large Electron-Positron Colliding Beam Facility at DESY, Draft version, no date.

Subseries J: Summit Meetings

- 8 Retreat on changing environment for research, 6/3-5/1994
- 74 1 Summit 1985
 - 2 Summit Working Group, B Richter
 - 3 Brussels, 7/1984
 - 4 Brussels Trip, 7/1984
 - 5 Atkinson Subpanel Summit (Science and Engineering Research Council), 11/12-13/1984
 - 6 (Williamsburg) Summit Working Group #2 Background Papers
 - 7 Summit Meeting "Accelerator and Detector Technical Devices, 1984

Subseries K: Travel

- 8 [Unfoldered material: Trip Reports, 1963-1966, authored or co-authored by BR]
- Additional notes on trip (not written up in Trip Report) Trip to USSR, 3/1965 and 1969
 - 2 Report on visit to CERN, the Institute of Nuclear Physics in Novosibirsk, USSR and attendance at the VIIth International Accelerator Conference at Yerevan, USSR, 8-9/1969
 - 3 Yerevan, 1969
 - 4 Frascati Conference 1970
 - 5 [Unfoldered material: Trip Reports, 1973-1982, authored by BR]
 - 6 Miscellaneous Travel Reports [1/2]
 - 7 Miscellaneous Travel Reports [2/2]

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- 76 1 Invitation File, 1980
 - 2 Invitations, 1979
 - 3 Invitations, 1977-1978
 - 4 [Unfoldered material: Trip Report by Andrew Sessler of LBL, concerning CERN, DESY, et al, 5/1979; Correspondence, paper, G.K. O'Neil and BR, CERN, 5-6/1968]
 - 5 Travel, 1967 and before
 - 6 Travel, -1968
 - de Shalit (Weizmann), 3/1976
 - 8 Flaine, 1976 [France]
 - 9 Zermatt, 1976
 - 10 Royal Society, Karlsruhe, 3/10-11/1976
 - 11 [Unfoldered material: Invitation to lecture at VIII All Union School on High Energy Elementary Particle Physics, Yerevan,4/1975]
 - 12 III All-Union National Conference on Particle Accelerators
 - 13 Travel, 1969
 - 14 Trip Reports, 1988
 - 15 Trip Reports, 1987 [1/2]
- 77 1 Trip Reports, 1987 [2/2]
 - 2 Trip Reports, 1986
 - 3 Taiwan Trip Report, 6/1-14/1994, Paul Tsai
 - Wolfgang Panofsky's Trip Report: 1st East Asian/Pacific/US Symposium on Superconducting Supercollider (SSC) Physics, etc., Beijing, China, 5/17-29/1992
 - 5 Foreign Trip Reports, 1990-1992
 - 6 DOE Travel, 1995

Subseries L: Universities

- 7 Cornell University, 1988-1989
- 8 Universities, 1989
- 9 University of Hawaii (DUMAND), 1990-1992
- 10 University of Washington Physics and Astronomy Building Dedication, Seattle, WA. 9/21/1994
- 11 MIT Visiting Committee, 1978
- 78 1 MIT Visiting Committee
 - 2 MIT, 9/29-30/1980
 - 3 MIT Visiting Committee, 11/1982
 - 4 MIT Physics Department, Visiting Committee, 1983
 - 5 MIT Visiting Committee, 1977
 - 6 MIT Visiting Committee, 10/19-20/1978.
 - 7 MIT Lincoln Lab, 10/25/1988
 - 8 MIT Lincoln Lab Advisory Committee, 4/6/1988
 - 9 MIT Lincoln Lab, 10/7/1987
 - 10 MIT Lincoln Lab, 4/9/1987
 - 11 MIT Lincoln Lab, 10/28/1986
- 79 1 MIT Lincoln Lab. 5/27-28/1986
 - 2 MIT Lincoln Lab Committee, 11/1985

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- 3 Lincoln Lab Visiting Committee
- 4 MIT Lincoln Lab Advisory Board, 4/27/1994
- 5 MIT Lincoln Lab Advisory Board, 4/21/1993
- 6 MIT Lincoln Lab Advisory Board, 10/27/1993
- 7 Lincoln Labs Advisory Committee MIT, 10/27/1992
- 8 Lincoln Lab (MIT) Meeting, 6/4-5/1991
- 9 MIT Lincoln Lab Meeting, 4/28-29/1992
- 10 [Unfoldered items: Correspondence, reports concerning MIT Lincoln Lab Advisory Board activities, late 1991]
- 11 MIT Lincoln Lab Advisory Board, 10/26/1990
- 12 MIT Lincoln Lab Advisory Board, 5/31/1990
- 13 [Unfoldered items: Correspondence, reports concerning MIT Lincoln Lab Advisory Board meetings in late 1989]
- 14 MIT Lincoln Lab, 4/19/1989
- 15 MIT Institute Professor Committee, 1991
- Princeton PPL Visiting Committee, 1/11-12/1980
 - 2 PPL (Princeton), 9/11-12/1980
 - 3 Princeton Plasma Advisory Committee
 - 4 PPL Backup Princeton [1/2]
 - 5 PPL Backup Princeton [2/2]
 - 6 PPPL, 10/9-10/1989
 - 7 PPPL, 10/6/1988 [1/2]
 - 8 PPPL, 10/6/1988 [2/2]
- 81 1 Meeting Back-up Material, 10/12/1987 [1/2]
 - 2 Meeting Back-up Material, 10/12/1987 [2/2]
 - 3 PPPL Advisory Council, 10/12/1987, (BR did not attend)
 - 4 PPPL Meeting, 10/12/1987
 - 5 PPPL Princeton Plasma Physics Laboratory
 - 6 PPPL Advisory Committee, begin 1986 [1/2]
 - 7 PPPL Advisory Committee, begin 1986 [2/2]

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BR Timeline, 1952-1984; Curriculum Vitae, 1931-1986; Publications list, 1964-

- 1 1 1986
 - 2 Bibliography, 1953-1986
 - 3 Talks, 1976-1986
 - 4 Radical Economists, 1971
 - 5 Politics at SLAC, Anti-war, 1970, BR
 - 6 Mitre Corporation, Travel Expenses, 1984
 - 7 SRI (Travel), Invoices and Expenses, 11/1979
 - 8 CERN Sabbatical, 1975, General Correspondence
 - 9 CERN Sabbatical, 1976, General Correspondence American Academy of Achievement "Golden Plates," Las Vegas, The Mirage,
 - 10 6/16-19/1994 American Academy of Achievement "Golden Plates," Glacier National Park,
 - 11 6/24-26/1993
 - 12 American Academy of Achievemen, 1992, Achievement Television Network
 - American Academy of Achievement "Golden Plates," New York, 6/27-29/1991
 - American Academy of Achievement "Golden Plates, Chicago, 6/28-30/1990 American Academy of Arts and Sciences Records, [2 books covering 1986
 - through 1988]
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- 2 1 through 1990]

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- through 1993]
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 Press Reception, Exploratorium, 2/18/1994
 - Press Reception, Exploratorium, 2/18/1994 AAAS Symposium "Elementary Particle Physics, etc.," Washington D.C.,
- 4 2/15/1991
- 5 Bay Area Economic Forum, Task Force Meeting, San Francisco, 11/21/1994
- 6 "History of Science" Program, 1985-1994
- NOVA, Einstein Program, 6/1988, BR Program Advisor
- 8 Annual Reviews Article
- 9 Scientific Instruments and Methods Encyclopedia Advisory Board, 7/1988
- 10 Mike's Motor
- 3 1 Art and Antiques Magazine Article
 - 2 BR Correspondence, 1973
 - 3 Miscellaneous Correspondence, 1974
 - 4 AEC/Teem, Wallenmeyer, 1974
 - 5 Miscellaneous Correspondence, 1975
 - 6 New York Times, Walter Sullivan (Science Editor), correspondence
 - 7 Miscellaneous Correspondence, 1976
 - 8 BBC Alec Nisbett, 1976, Correspondence
 - 9 Miscellaneous Correspondence, 1977

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APS Physics Planning Committee, 1992

APS Management Reports

IL, 10/27/1990 [1/3] APS Council Meeting, Urbana, IL, 10/28/1990, Haven's Celebration, Urbana, 6 IL, 10/27/1990 [2/3] APS Council Meeting, Urbana, IL, 10/28/1990, Haven's Celebration, Urbana, 9 IL, 10/27/1990 [3/3] 1 APS Committees, 1991 2 APS Division of Physics of Beams (DPB), 1991 3 4 APS Nominating Committee, 5/5-6/1991 5 APS DPB Executive Committee, 5/5-7/1991 APS Publications Committee/Council/Regular Meeting, 4/19-25/1991 6 APS DPB Nominating Committee, SLAC (Stanford Synchrotron Radiation 7 Laboratory), 9/25/1990 APS Spring Meeting, Washington, DC, 4/16-19/1990 8 9 APS Council, 1990-1991 10 APS Executive Council Meeting, New York, 4/27-29/1990 APS DPB, Division of Physics, 1990 11 10 1 APS Council Meeting, Atlanta, GA, 1/1990 2 Travel Expense Vouchers APS Particle Beams Group, 1985-1990 3 APS Publications Committee Meeting, NY, 9/27/1991 4 5 APS Publications Committee Meeting, 4/19/1991 APS Publications Committee Meeting, Ridge, NY, 1/7/1990, BR Did Not 6 Attend 7 APS Publications Committee Meeting, 1990 8 APS Committees (Rosters, etc.), 1992 9 APS Executive Board and Council, 1991-1992 11 1 APS Executive Board and Council Meeting, Batavia, IL, 11/13-14/1992 [1/2] 2 APS Executive Board and Council Meeting, Batavia, IL, 11/13-14/1992 [2/2] 3 "Town Meeting" Panel, APS, DPF, Fermilab, 11/10/1992 4 APS Executive Board Meeting, NY, 9/26/1992 5 APS Retreat Meeting, Crystal Mountain, WA, 6/25-27/1992 6 APS Executive Board Meeting, 4/24/1992 7 APS Executive Board and Council Meeting, 4/24-25/1992 [1/3] 8 APS Executive Board and Council Meeting, 4/24-25/1992 [2/3] 9 APS Executive Board and Council Meeting, 4/24-25/1992 [3/3] 12 Admiral James D. Watkins' Speech, APS, 4/21/1992 1 2 Congressional Fellowship Panel 3 Congressional Fellowship Selection, APS, 4/20/1992 4 APS Executive Board Meeting, NY, 2/1/1992 5 Former Soviet Union, Miscellaneous, 1992 Former Soviet Union, Expatriate Scientists Forum, 4/22/1992 6 7 Former Soviet Union, National Science Foundation (NSF) Proposal, 1992 8 **APS** Resolutions 9 APS Physics Planning Committee Meeting, DC, 9/28/1992

		nai anu i fotessionai Activities
Box	Folder	Folder title
	12	APS Investment Advisory Committee Meeting, NY, 11/11/1992
	13	Investment Control Report For The American Physical Society, 9/30/1992
	14	APS Investment Committee Conference Call and subsequent meeting, 9/1992
	15	APS Investment Advisory Committee Meeting, NY, 6/19/1992
	10	Overview of Cambridge Associates, Inc. For American Physical Society,
	16	6/19/1992
13	1	APS Investment Advisory Committee and Executive
	2	APS Investment Advisory Committee and Executive Session, 3/10/1992
	3	APS Panel on Public Affairs (POPA), Renewable Energy, 1992
	4	APS POPA Meeting Conference Call, 11/18/1992
	5	Report of the Office of Public Affairs, 9/1992
	6	APS POPA Meeting, Rosemont, IL, 9/20/1992
	7	APS Panel on Public Affairs, 1992
	8	APS POPA Meeting, San Francisco, CA, 1/1992
	9	"Fundraising Campaign"
	10	APS Publications Oversight Committee (POC), 1992
	11	APS Washington Office, 1992
		Ad Hoc Discussion Group on APS Members in Applied Physics, New York
	12	Headquarters, 1/31/1992
	13	Committee on Applications of Physics (CAP), 4/20/1992, APS
	14	Committee on Applications (CAP), New York Headquarters, 1/7/1993
14	1	Computing and Information Systems Operations, 1993
	2	Miscellaneous Letters, 1/1992-7/1993
	3	APS Correspondence, 7-12/1993
	4	Electronic Publishing, 1993
	5	APS Executive Secretary Search Prince 1993
	6 7	APS Executive Secretary Search Ripin/Franz, 1993 APS Executive Secretary Search Conference Call, 11/18/1993
	8	APS Executive Secretary Search Connectence Can, 11/16/1993 APS Executive Secretary Search Interview Meeting, Chicago, 11/14/1993
	9	APS Executive Board and Council Meeting, Washington, D.C., 4/16/1993
	,	APS Retreat, Aspin Institute for Humanistic Study, Queenstown Maryland,
	10	6/17-19/1993
	10	APS Campaign for Physics, Executive Board Council and Meeting, New York
15	1	City, 9/11/1993
13	1	APS Executive Board Council and Meeting, Albuquerque, New Mexico, 11/
	2	20/1993
	_	APS Executive Board and Council, Albuquerque, NM, 11/1993 (BR did not
	3	attend) [1/2]
		APS Executive Board and Council, Albuquerque, NM, 11/1993 (BR did not
	4	attend) [2/2]
		APS Executive Board Meeting 11/20/1993, Council Meeting 11/21/1993,
	5	Albuquerque New Mexico
	6	APS Elected Officers Meeting, Seattle, WA, 3/23/1993 (BR did not attend)
	7	APS Executive Board Council Meeting, New York Headquarters, 2/6/1993
	8	Campaign for Physics, 1993
	9	APS/Intel Meeting, 4/30/1993

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		Campaign for Physics A Science Education Initiative of the APS and the
	10	American Association of Physics Teachers
	11	APS Campaign for Physics Meeting, "Bob Galvin of Motorola", 7/20/1993
16	1	APS Executive Board Meeting, Headquarters, New York City, 9/11/1993 APS Campaign for Physics Meeting with Bill Hewlett (Hewlett-Packard),
	2	10/4/1993
		APS Campaign for Physics Meeting with Nancy Thomas (Hewlett-Packard),
	3	10/29/1993
	4	Campaign for Physics Meeting, College Park, MD, 12/1/1993
	5	APS Executive Board and Council Miscellaneous, 1991-1993
	6	APS Executive Board and Council Miscellaneous, 1991-1993
	7	APS Present Education Programs, 1993
	8	Division of Particles and Fields 1992-1993
	9	APS Division of Physics and Beams 1990-1991
	10	Division of Particles and Fields (DPF) Long-Range Planning, 9/1993
	11	Jobs Workshop, 1993
	12	APS Lilienfeld Prize, 1992-1993
17	1	Motorola, 1993
	2	Networking, 7-9/1993
	3	Prospective Investment Managers, 2/5/1993 [1/3]
	4	Prospective Investment Managers, 2/5/1993 [2/3]
	5	Prospective Investment Managers, 2/5/1993 [3/3]
	6	Investment Meeting, 5/25/1993
	7	APS Investment Advisory Committee, New York Headquarters, 2/5/1993
1.0	8	1990 Survey of the Membership of the American Physical Society, Final Report
18	1	Congressional Testimony, 5/20/1993
	2	Panel on Public Affairs (POPA), 2-10/1993
	3	POPA, 1/11/1993 (BR did not attend)
	4	POPA Membership, 1/1993
	5	Senior Personnel, 1992-1993 A PS Physics Planning Committee (PPC) general, 1992
	6 7	APS Physics Planning Committee (PPC) general, 1993 APS Physics Planning Committee, Washington, D.C., 9/9/1993
	8	APS Physics Planning Committee, Washington, D.C., 9/9/1993 APS Physics Planning Committee, Washington, D.C., 1/8/1993
	9	"Physics Today", 1993
	10	Publications Committee, 1993
	11	Santilli Correspondence (APS), 1993
	12	The Scientist, 1993
	13	Washington Office, 1993
19	13	APS "Space Station", 1993
1)	2	Tadzhikistan, 1993
	2	Turbinistini, 1775

AIP Governing Board, Murray Hill, New Jersey, 10/23/1994

The Physical Review: The First 100 Years: AIP Press, (Rough draft) Spring

6 AIP, General Correspondence, 1993

American Institute of Physics (AIP), 1992

7 AIP Governing Board, Financial, 1993

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	8	AIP Governing Board, Miscellaneous Correspondence, 1994				
	9	APS Forum on Education, 1992-1993				
	10	APS International Physics Forum, 1994				
		APS/OECD (Organization for Economic Cooperation and Development) Mega-				
	11	Science Forum, 1993-1994				
20	1	APS Campaign for Physics, 1994				
	2	APS Campaign for Physics, American Association for Physics Teachers (AAPT) Proposed Documents, 1-2/1994				
	2	APS Campaign for Physics, J.S. Birnbaum, Hewlett/Packard, Palo Alto,				
	3	6/22/1994				
	4	APS Campaign for Physics, William Hewlett, 3/1994				
	5	APS Campaign for Physics Promotion Sheets, 1994				
	6	APS Campaign for Physics Administrative Group "CAG", 1994				
	7	APS Campaign for Physics, Galvin Meeting, 1994				
	8	APS Investment Committee, 1993				
21	1	APS Council Meeting, College Park, Maryland, 4/23/1994				
	2	Joint APS/AAPT Meeting, Crystal City, VA, 4/18-22/1994				
	3	APS Miscellaneous Talks at APS meeting, Pittsburgh, PA, 3/21-24/1994				
	4 5	Joint APS/AAPT Meeting, Washington, DC, 4/20-24/1992 APS Executive Board Retreat, Monterey, CA, 6/23-26/1994 [1/3]				
	6	APS Executive Board Retreat, Monterey, CA, 6/23-26/1994 [1/3] APS Executive Board Retreat, Monterey, CA, 6/23-26/1994 [2/3]				
	7	APS Executive Board Retreat, Monterey, CA, 6/23-26/1994 [2/3]				
	8	Washington Trip (Peoples, Samios, Richter), 4/18-19/1994				
	9	APS Executive Board Meeting, Crystal City, VA, 4/21-22/1994				
	10	APS Executive Board Meeting, ACP, College Park, MD, 2/4-5/1994 [1/2]				
	11	APS Executive Board Meeting, ACP, College Park, MD, 2/4-5/1994 [2/2]				
22	1	APS General Meeting, 1994				
	2	APS General Meeting, 1993				
	3	American Institute of Physics Governing Board Meeting, 3/13-14/1992				
	4	AIP Gammittees, 1992				
	5 6	AIP Committees, 1993 AIP Governing Board Meeting, Buffalo, NY, 10/24-26/1993				
	7	AIP Corporate Associates Meeting, Buffalo, NY, 10/24-26/1993				
	8	AIP Governing Board, Assembly of Society Officers, 3/11-12/1993				
	9	American Institute of Physics Governing Board, 1-6/1992				
	10	American Institute of Physics Governing Board, 7/1992-1994 [1/2]				
23	11	American Institute of Physics Governing Board, 7/1992-1994 [2/2]				
	1	AIP "Physics Today", 1993				
	2	1993-1994 Directory of Physics and Astronomy Staff				
	2	AIP John T. Tate International Medal for Distinguished Service to Profession of				
	3	Physics, 1995 ARS Missellen cours Correspondence, 1004, 1005				
	4 5	APS, Miscellaneous Correspondence, 1994-1995 APS, Smithsonian Exhibit, 1995				
	6	APS, Simulsonian Exhibit, 1993 APS Nominating Committee Meeting, College Park, MD, 2/16-17/1995				
24	1	Campaign for Physics Administrative Group (CAG), 1996				
	2	Campaign for Physics Administrative Group (CAG), 1995				
		- · · · · · · · · · · · · · · · · · · ·				

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- Campaign for Physics Reception, Holiday Inn, Palo Alto, 6/6/1996
- 4 Campaign for Physics Administrative Group, Conference Call, 6/5/1996
- 5 Campaign for Physics, 1996
- 6 Talk, Campaign for Physics, Kick-Off, 11/18/1995
- 7 Campaign for Physics, 1995
- 8 APS Panel on Public Affairs (POPA), miscellaneous, 1995
- 9 APS Panel on Public Affairs (POPA) meeting, 9/10/1995 (BR did not attend)
- 10 APS POPA meeting, Chicago, 4/9/1995
- 11 APS Panel on Public Affairs (POPA), Electro-Magnetic Fields, 1995
- APS POPA meeting, Washington, DC, 1/15/1995
 APS Physics Planning Committee in Washington, DC, Lincoln Room, Embassy
- 13 Row Hotel 2/20/1995
- 14 APS Physical Planning Committee, Washington, DC, 1/10/1995
- APS Publications Oversight, 1995
 Gordon Moore (Intel) APS/Campaign for Physics Meeting, Santa Clara, CA,
 6/20/1995
 - 2 Campaign for Physics Administrative Group, conference call, 8/27/1995
 - 3 Campaign for Physics Administrative, group meeting, 4/19/1995
 - 4 Congressional Fellowship Selection, 1995
 - 5 Council of Scientific Society Presidents (CSSP), 1995
 - 6 APS Forums, 1994
 - 7 International Affairs, 1995
 - 8 Jobs, 1995
 - 9 Committee on the Status of Women, 1995
 - Washington Office, 1995
 - AIP Governing Board Meeting, College Park, Maryland, 3/18-19/1994
 - 12 AIP Governing Board Meetings, 1993
 - 13 Physical Review Letters Protest, 1995
 - 14 APS Executive Board and Council Meeting, miscellaneous, 1995
 - APS Executive Board and Council Meeting, Irvine, CA, 11/17-19/1995 [1/2]
 - APS Executive Board and Council Meeting, Irvine, CA, 11/17-19/1995 [2/2] APS Executive Board and Council Meeting, College Park, Maryland, 9/23/1995
- 26 1 [1/2]

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APS Executive Board and Council Meeting, College Park, Maryland, 9/23/1995

- 2 [2/2]
- 3 APS Executive Board Retreat, La Jolla, CA, 6/21-25/1995 [1/3]
- 4 APS Executive Board Retreat, La Jolla, CA, 6/21-25/1995 [2/3]
- 5 APS Executive Board Retreat, La Jolla, CA, 6/21-25/1995 [3/3] "Role of Science in our Society", Unity of Physics Day Joint Symposium,
- 6 Washington, DC, 4/18-21/1995
- 7 APS/AAPT Joint "April" Meeting, Washington, DC, 4/18-21/1995
- 8 APS "March" Meeting, San Jose, California, 3/20-24/1995
- 27 1 APS Executive Board Meeting, College Park, Maryland, 2/3-4/1995 [1/2]
 - APS Executive Board Meeting, College Park, Maryland, 2/3-4/1995 [2/2] APS Executive Board and Council Meeting, Minneapolis, Minnesota, 11/4-
 - 3 6/1994

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APS Executive Board, Ridge, New York (also meeting re China trip), 9/10-11/1994 [1/2] 4 APS Executive Board, Ridge, New York (also meeting re China trip), 9/10-5 11/1994 [2/2] APS China Workshop, Hauppage, New York, 9/10/1994 [1/2] 6 APS China Workshop, Hauppage, New York, 9/10/1994 [2/2] APS China Mission (MOU Background), Hauppage, New York, 9/10/1994 28 1 APS Executive Board and Council Meeting, Minneapolis, Minnesota, 9/5/1994 2 [1/2]APS Executive Board and Council Meeting, Minneapolis, Minnesota, 9/5/1994 3 [2/2]4 APS, Miscellaneous Correspondence, 6-12/1994 5 APS, Miscellaneous Correspondence, 1-5/1994 APS, Cranberg Correspondence, 1994 6 7 APS Executive Board, 1993 APS Executive Board, Council, and Operating Committees/Division, Rosters, 8 9 APS Colorado Amendment 2 (APS Executive Board), 1994 29 1 APS Executive Officer Judy Franz, 1994 2 APS Washington Office, 1994 3 APS Senior Personnel, 1994 4 APS National Science Foundation (NSF), 1994 APS NSF Budget, 1994 5 6 APS Management Reports, 1993 7 APS Legal, 1994 8 APS Congress, 1994 9 APS/American Association for Physics Teachers (AAPT), 1994 10 AAPT Winter Meeting, San Diego, CA, 1/4-5/1994 11 AAPT Center for Physics Education, 1993 12 APS Council of Scientific Society Presidents, 1994 13 APS Audit Committee, 1994 APS Committee on Committees, 1994 14 APS Committee on Education, 1994 15 APS Interim Organization, 1993 16 17 APS Fellowship Committee, 1994 APS Fellowship Nominations, 1993 18 APS Committee on International Freedom of Scientists, 1994 19 30 1 APS Committee on International Scientific Affairs, 1994 2 APS International Scientific Affairs, 1992 3 APS Membership Committee, 1994 4 APS Nominating Committee, 1994 5 APS Committee on Oversight of Membership Publications, 1994 American Academy of Arts and Sciences Section Committees, 1994 6 7 APS Physics Planning Committee, 1994 8 APS Committee on Applications of Physics, 1994 APS Committee on Applications of Physics Meetings, 1994 [3 booklets: 9

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	September, June, and March meetings]
10	APS Panel on Public Affairs, 5-12/1994
11	APS Panel on Public Affairs, 1-4/1994
12	APS Proposal Renewable Energy Sources, 1994
13	APS Renewable Energy Study, APS/POPA, 1993-1994
14	APS/POPA Renewable Energy, 1993-1994
1	APS Publications Oversight Committee, 1994
2	APS Committee on the Status of Women, 1994
3	Foreign, 1994
4	International Affairs, Asia, 1994
5	International Affairs, China, 1994
6	International Affairs, Europe, 1994
7	International Affairs, Former Soviet Union, 1994
8	International Affairs, Mexico and Canada, 1994
	U.S./Mexico/Canada Physical Societies Meeting, Cancun, Mexico, 9/26-
9	30/1994
10	International Affairs, Latin America
11	International Affairs, Ukraine, Hungary, Poland, Czech, etc.
12	APS China Trip, 10-11/1994
13	APS Investment Committee, 1994
14	APS/Chinese Physical Society (CPS) Correspondence and Articles, 1994-1995
15	APS/CPS Memorandum of Understanding (MOU), 10/1994
16	APS Unit Convocation, College Park, MD, 1/15-16/1994
17	APS Division of High Polymer Physics, 1994
18	APS Division of Particles and Fields, 1994

APS Division of Particles and Fields, Albuquerque, NM, 8/2-6/1994

APS Division of Physics of Beams, 1994APS Division of Plasma Physics, 1994

- 2 GM Correspondence, begin 12/1984
- 3 GM Cars

Subseries C: General Motors

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- 4 GM Science Advisory Committee (SAC) Members
- 5 GM Reports, Burton Richter (BR)
- 6 General Motors, Administrative
- 7 GM Annual Report 1987
- 8 GM SAC, Hughes, 9/4-5/1986
- 9 GM SAC, 1986
- 10 GM Annual Report, 1/1985
- 11 GM SAC, 1985 [1/2]
- 12 GM SAC, 1985 [2/2]
- 33 1 Annual Report (Draft), 1/1984
 - 2 GM SAC Meeting, 11/7-9/1984, Trilby Proposal
 - 3 GM Electronic Data Systems (EDS), 9/1984
 - 4 GM SAC, 1984
 - 5 GM Safety, 1982-1983
 - 6 GM Reports, 1983

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	7	GM Minutes, 1983
	8	GM Annual Report, 1982 (incl. BR's Talking Paper)
34	1	GM Meetings, 1982
	2	SAC Visit to Cadillac Plant, 10/1982
	3	GM Meetings, 1981
	4	GM Committee Report, 1981
	5	GM Annual Report, 1981
	6	GM Pre-Reports, 1981 [1/2]
	7	GM Pre-Reports, 1981 [2/2]
	8	GM Reports, 1981 [1/3]
	9	GM Reports, 1981 [2/3]
35	1	GM Reports, 1981 [3/3]
		Five Year Strategic Plan Model Years 1984-1988, General Motors Research
	2	Laboratories
	3	Constrained Interpolation and Smoothing, GM Research Laboratories, 7/1985
	4	Factors Controlling Traffic Crashes, GM Research Laboratories, 7/30/1985
	_	The Effectiveness of Safety Belts in Preventing Fatalities, GM Research
	5	Laboratories, 6/24/1985
		Double Pair Comparison: A New Method to Determine How Occupant
	-	Characteristics Affect Fatality Risk in Traffic Crashes, GM Research
	6	Laboratories, 6/24/1985
		Advance Structural Materials, Processes, and Applications, Research and
	7	Development Report Presented to the GM Science Advisory Committee,
	7	7/28/1986 Project Trilly, 1985 Model Veer Activities, CM Research Leberatories
	8	Project Trilby 1985 Model Year Activities, GM Research Laboratories, 11/5/1985
	0	Electronics Department 1985 Model Year Activities, GM Research
	9	Laboratories, 12/6/1985
	,	Physics Department 1985 Model Year Activities, GM Research Laboratories,
	10	10/25/1985
	10	Japan's Strategic Umbrella: Strategic Organization of the Japanese Automotive
	11	Groups, 4/1981
	12	Advanced Engineering Staff (AES) Quarterly Project Summary, 9/1985
	13	"The Next American Frontier," The Atlantic Monthly, 3/1983
		Possible Improvements in Crashworthiness and Occupant Protection, GM
	14	Engineering Report, 11/30/1982
		Trip Report, Research and Development Activities in Japan, Australia, and New
36	1	Zealand, GM Research Memorandum, 11/2-24/1982
		GM Science Advisory Committee (SAC) Visit, Rochester Products Division,
	2	Coopersville Plant, 4/6/1983
	3	Materials Availability, GM, 8/14/1981
	4	Backup material for GM SAC Meeting, 2/1984
	5	Backup material for GM SAC Meeting, 9/26-29/1984
		Multimatch: A Vision Processor for Part Transfer, GM Research Laboratories,
	6	11/23/1983
	7	Societal Analysis Department 1984 Model Year Activities, GM Research

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Electronics Department 1984 Model Year Activities, GM Research

- 8 Laboratories, 10/29/1984
 - Physics Department 1984 Model Year Activities, GM Research Laboratories,
- 9 10/26/1984
 - Customer Satisfaction with Workmanship and Performance: 1983 Results, GM
- 10 Research Laboratories, 1/27/1984
 - A New Approach to Minimum Time Robot Control, GM Research Laboratories,
- 11 10/27/1983
 - Seamsight: A Parallel/Pipelined Vision System for Seam Tracking, GM
- 12 Research Laboratories, 12/5/1983
- 13 Chevrolet's Engine Program, GM, 10/7/1982
- 14 Materials Availability, GM, 8/13/1982
- 15 The Passenger Car Diesel Engine: The Challenge of the Future, 11/1982 Second Quarter Model Year Continuous Automobile Market Information Program (CAMIP) 1981 Model Car Buyers: Owner Satisfaction and Buying
- 16 Behavior Study, 7/1981

Remarks by F. James McDonald, President, GM Corporation at the 1982

- 37 1 Management Conference, 3/12/1982
 - 2 GM Travel Expenses, 1984

Subseries D: Instituto Nazionale de Fisica Nucleare (INFN)

- 3 INFN Review Finale, Rome, Italy, 9/29/1997
 INFN Review Committee Penert 6/24/97(and Tr
 - INFN Review Committee Report 6/24/97(and Transmittal Letters) [revised
- 4 7/3/1997]
- 5 Report of the INFN International Review Committee, 1997
- 6 INFN Evaluation Committee, B.R., Chair, 9/23/1996
- 7 INFN Review Miscellaneous Correspondence, 1997
- 8 B. Richter Notes, INFN Review
- 9 INFN Review, 2/1-12/1997
- 10 INFN Review Background Materials "Laboratories", 1997
- INFN Review Background Materials "Sections", 1997 [1/3]
 - 2 INFN Review Background Materials "Sections", 1997 [2/3]
 - 3 INFN Review Background Materials "Sections", 1997 [3/3] INFN Review Background Materials "Group I" High Energy Physics and
 - 4 Accelerators, 1997 [1/2] INFN Review Background Materials "Group I" High Energy Physics and
 - 5 Accelerators, 1997 [2/2]
 - INFN Review Background Materials "Group II", HEP Non-Accelerators, and
 - 6 Neutrinos, 1997 [1/3]
 - INFN Review Background Materials "Group II", HEP Non-Accelerators, and
 - 7 Neutrinos, 1997 [2/3]
 - INFN Review Background Materials "Group II", HEP Non-Accelerators, and
- 39 1 Neutrinos, 1997 [3/3]
 - 2 INFN Review Background Materials "Group III", Nuclear Physics, 1997
 - 3 INFN Review Background Materials "Group IV", Theoretical Physics, 1997
 - 4 INFN Review Background Materials "Group V", Technology, 1997

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- 5 INFN Annual Report, 1995
- 6 LNGS Annual Report, 1995
- 7 INFN-LNS Activity Report, 1993-1995

Subseries E: National Academy of Sciences (NAS)

- 40 1 NAS 1988
 - 2 NAS Nominations Foreign Associates, 1987
 - 3 NAS Roundtable, San Francisco, 1/12/1987 (BR Did not attend)
 - 4 NAS Membership, 1986-1987
 - 5 NAS Committee on Human Rights, begin 4/1986
 - 6 NAS Membership [1/4]
 - 7 NAS Membership [2/4]
 - 8 NAS Membership [3/4]
 - 9 NAS Membership [4/4]
- 41 1 NAS Nominations
 - National Academy of Sciences, Annual Meeting, 4/23-26/1994
 National Academy of Sciences Roundtable, University of California San
 - 3 Francisco, 1/24/1994
 - 4 National Academy of Sciences Meeting, San Francisco, CA, 2/22/1993
 - 5 National Academy of Sciences
 - 6 NAS,1989
 - 7 NAS Regional Meeting, San Francisco, CA, 2/25/1992

Subseries F: National Science Foundation (NSF)

- 8 NSF Meeting
- 9 NSF Commission on the future of the NSF, 1992
- 10 NSF Board, 1992
- National Science Foundation, Washington, D.C. Trip, 8/24-26/1992

Subseries G: Nobel Prize

- 42 1 PSI Publicity
 - 2 Nobel Publicity (1976) October
 - 3 1976 Letters, Strange, post Nobel
 - 4 B. Richter Biography (Nobel)
 - 5 Nobel Correspondence
 - 6 San Francisco Examiner (Mr. Gobind Behari Lal), 1977 post Nobel
 - 7 The Stanford Magazine, Post Nobel 1976
 - 8 B. Richter, Nobel Lecture
 - 9 Nobel Lecture [1/2]
 - 10 Nobel Lecture [2/2]
 - 11 Nobel Lecture [See Oversize Box]

Box Folder Folder title

Subseries A: Early Research and Development

- 1 Storage Ring, General, old
 - 2 A 9-Magnet Bypass on the Target Area, H. Mieras, 1965
 - 3 A Note Concerning Non-linear Resonances in Storage Rings, T. Collins, 1964
 - 4 Calculations of Positron Production and Electrons, K.W. Robinson, 1964 A Remark on the Transverse Resistive Instability of Coasting Beams, H.
 - 5 Hereward, 1964
 - 6 A Review of Recent Boson Resonances, G. Goldhaber, 1965
 - 7 Accelerator Development Program, M. Livingston, 1965
 - 8 Beam Instabilities in Circular Accelerators, E. Courant, 1965
 - 9 Calculation of Radiation Effects for Bypass, K. Robinson, 1965
 - 10 Concerning Transverse Space Charge Effects in Storage Rings, A. Sessler, 1964
 - Damping of a Resistive Wall Beam Instability in the Cosmotron, Barton, 1963?
 - 12 Determinazione Dei Diversi, Bassetti, 1962
 - 13 Dissipative Transverse Instabilities in the Storage Rings, Hereward, 1964
 - 14 Double Bremsstrahlung, M. Bander
 - 15 Experimental Program Associated with the Bypass, Little and Patterson, 1965
 - Instabilities of Relativistic Particle Beams, A. Sessler, 1965
 Longitudinal Resistive Instabilities of Intense Coasting Beams in Particle
 - 17 Accelerators, A. Sessler, 1964
 - Observation of Beam Storage in the CEA, G. Voss, 1966 On Synchrotron Radiation Produced Photoelectrons from Copper, G. Fischer,
 - 19 1965
 - 20 Possible Use of the CEA Directly as a C.B. Facility, K. Robinson, 1966
 - 21 Space Charge Effects In Storage Rings, K. Robinson, 1964
 - 22 Summary paper on Beam Behavior, A. Sessler, 1966
 Transverse Coherent Resistive Instabilities of Azimuthalle Bunched Beams in
 - Particle Accelerators, E. Courant, 1966
 Transverse Resisitive Instabilities of Intense Coasting Beams in Partice
 - Accelerators, J. Laslett, 1964
 Transverse Resistive Instabilities of Intense Coasting Beams in Particle
 - Accelerators, J. Laslett
 A Summary of the Cosmotron Experiements of the Coherent Vertical Instability,
 - 26 Barton et al, 1963

Subseries B: 500 MeV

- 2 1 Colliding Beam Experiement-Harmonic Field Analysis, 500 Mey, 1961-1962
 - 2 Detection, Perl and O'Neill
 - 3 Experiment with Storage Rings on Gas Jet Targets
 - 4 Storage Ring Conventional Facilities, old
 - 5 A & C: Programs and Facilities 7. 500 MeV Storage Ring: a. 1965 Conversion
 - 6 A & C: Program sand Facilities 7. 500 MeV Storage Ring: b. H2 System
 - 7 A & C: Programs and Facilities 7. 500 MeV Storage Ring: c. Feedback System
 - 8 A & C: Programs and Facilities 7. 500 MeV Storage Ring: d. Shower Chamber

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- 9 A & C: Programs and Facilities 7. 500 MeV Storage Ring: e. Data (pre-1965)
- 10 A & C: Programs and Facilities 7. 500 MeV Storage Ring: f. Automatic Scanning
- 11 A & C: Programs and Facilities 7. 500 MeV Storage Ring: g. Detector System
- 12 A & C: Programs and Facilities 7. 500 MeV Storage Ring: h. Miscellaneous A Proposed Experiment on the Limits of Quantum Electrodynamics Preliminary
- 13 Version, 4/1958
 - A Proposed Experiment on the Limits of Quantum Electrodynamics Preliminary
- Version 4/1958, Partly Revised 5/1958
 - A Proposed Experiment on the Limits of Quantum Electrodynamics Preliminary
- 15 Version, 5/1958
- 16 HEPL-170 An Experiment on the Limits of Quantum Electrodynamics, 6/1959
- 17 HEPL Colliding Beam Section Status Reports, 1962-1967
- 3 1 CBX, 1965
 - 2 HEPL-438 "Article", 4/1966, CBX papers and invited papers
 - 3 Report of the HEPAP Subpanel on Colliding Beams CBX, 1966
 - 4 CBX Miscellaneous re Counters
 - 5 Electronics and Gas Analysis, 1963, Richter
 - 6 CBX Data Acquisition System Notes, 1966
 - 7 Data Reduction Runs of mid-February, [1965]
 - 8 CBX Scanning Rules
 - 9 [Data from CID notebook, 6/1981]
 - 10 CBX, Miscellaneous
 - 11 Colliding Beams

Subseries C: Storage Rings

- 12 Storage Ring RF, 1969
- 13 Storage Ring Injection, 1966
- 14 Colliding Beam Experiment, Miscellaneous Calculations and Papers
- 4 1 Storage Ring Miscellaneous
 - 2 Storage Ring, Briefing of Scientific Policy Committee, 1966-1968
 - 3 Storage Ring Structures and Utilities, 1964-1969
 - 4 Storage Ring Conventional Facilities, 1965-1966
 - 5 Storage Ring Cost Estimate, 4/14/65 DRAFT
 - 6 Storage Ring Miscellaneous Theory, 1965-1966
 - 7 Beam Transport, 1969
 - 8 Storage Ring Briefing, 8/21/1967
 - 9 Storage Ring Briefing, 8/21/1967
 - 10 Storage Ring Briefing, 8/21/1967
 - 11 Storage Ring Briefing, 8/21/1967
 - 12 III. Storage Ring "DESY Letter," 1969
 - 13 III. Storage Ring 1. General c. CP&D Funds
 - 14 III. Storage Ring 3. Budgets, Manpower and Schedules b. FY67
 - 15 III. 3. Budgets, Manpower and Schedules c. construction
- 5 1 III. 3. e. revised cost estimates
 - 2 III. 3. d. FY68
 - 3 III. 2. Tumult b. G.K. O'Neill
 - 4 III. 4. General Design

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- 5 General Design
- 6 III. 5. Revised
- 7 III. 5. Test Mach-Mi
- 8 III. 5. 16 sector
- 9 III. 5. mV. Qv=4.1
- 10 III. 5. Ring B(n=+) B(n=-)Q
- 11 III. 5. mII
- 12 Spear magnets, other
- 13 III. Storage Ring 6. Conventional Facilities a. shielding
- 14 III. 8. Injection and Beam Transport d. injection
- 15 III. Storage Ring 11. Detection a. magnet-resolution general
- 16 III. Storage Ring 11. Detection b. radiative correction effect on kinematics
- 17 III. 11. Detection c. photography
- 18 III. 11.Detection d. streamer chambers
- 19 III. 11. Detection e. background
- 20 III. 11. Detection g. superconducting
- 21 III. 11. h. non-magnetic Detector
- 22 III. 12. Luminosity and Instabilities b. sping
- 23 III. 12. c. resistive wall instability
- 6 1 1966 Briefing

SPEAR, reports, correspondence, 1962-1965 (re outside user policies, Panofsky,

- 2 Richter, Sands, Ritson, O'Neill)
- 3 SLAC Storage Ring Summer Study, General Review Meeting, 7/1965 Storage Ring Review 1969 (working document: notes, correspondence, reports re
- 4 funding for FY70 and pitch to AEC)
- 5 Bid Package (Magnets, 1970)
- 6 Russian's Pictures (no date)
- 7 [Pief's late 11/1966 Trip to Washington]
- 8 Schedule 44, 1968
- 9 [1966]
- 7 1 1967 Briefing to AEC

Subseries D: Copies of Logbooks: HEPL 500 MeV Ring

- 2 Miscellaneous Sheets, 1963
- 3 Book No. 6, 4/9-5/7/1964
- 4 Book No. 7, 5/7-22/1964
- 5 Book No. 8, 5/27-6/19/1964
- 6 Book No. 9, 6/22-7/1/1964
- 7 Book No. 10, 7-8/1964
- 8 Book No. 11, 9-11/1964
- 9 Book No. 12, 11-12/1964
- 10 Book No. 13, 12/1964
- 11 Book No. 16, 3/1966
- 12 Book No. 17, 5-7/1966
- 8 1 Book No. 18, 4-11/1966
 - 2 Book No. 19, 12/1966-2/1967
 - 3 1964 S. R. Proposal, Back-up for cost estimates

Box Folder Folder title

- 4 Construction, Planning, and Design (CP&D) Proposal, 1966
- 5 Long Range Planning, Space, 1964-1967
- 6 Scheduling Intermediate Range, FY69-70
- 7 Tentative Long-Range Schedule, FY 70
- 8 Interaction, SLAC and AEC Proposed Storage Ring, 1962-1972
- CEA Storage Ring Proposals, 1965
 Report on Plans for 3 BeV Electron-Positron Storage Ring for SLAC
- 10 Accelerator, 3/1963
- Storage ring correspondence re news stories, permanent, 1967-1972

Subseries E: Original Logbooks

- 9 1 CBX Counter Notebook #3, 3/1965-2/1966
 - 2 CBX Counter Notebook #4, 12/1965-4/1967
 - 3 CBX Counter Notebook #5, 4-11/1967
 - 4 CBX Data Notebook #20, 3/1967
 - 5 CBX Data Notebook #21, 3/1967
 - 6 CBX Data Notebook #22, 4-6/1967
- 10 1 Data Notebook #23, 6/1967
 - 2 Data Notebook #24, 9/1967
 - 3 CBX Notebook #25, 10/1967
 - 4 Databook #26, 10/1967
 - 5 CBX Databook #27, 10-11/1967
- 11 1 Notebook #28, 11/1967
 - 2 Notebook #29, 7/1968
 - 3 Notebook #30, 6-7/1968
 - 4 Notebook #31, 7/1968
 - 5 Historic Storage Ring Material, 6/1959

Box Folder Folder title

Subseries A: SPEAR

- 1 1 SPEAR File Index, 1970-1972
 - 2 I. Project General 1. To-Read
 - 3 I. 2.General Design
 - 4 I. 3. Instabilities and Luminosities
 - 5 I. 4. Criteria
 - 6 I. 6. Miscellaneous
 - 7 II. Administration 1. Washington
 - 8 II. 2. Project Administration
 - 9 II. 3. Budget [1/2]
 - 10 II. 3. Budget [2/2]
 - 11 II. 5. Planning Meeting
- 2 1 II. 6. Coordination Meeting
 - 2 II. 7. Miscellaneous
 - 3 III. Magnet System 1. Design
 - 4 III. 2. Main Ring Tech.
 - 5 III. 4. Correction El. Technical [1/2]
 - 6 III. 4. Correction El. Technical [2/2]
 - 7 III. 5. Budget and Schedules
 - 8 SCR Shunt
 - 9 III. 6. Main Power Supplies
 - 10 SPEAR Alignment Data
 - 11 III. 7. Support and Alignment
 - 12 III. 8. Miscellaneous
 - 13 IV. Vacuum System 1. Design
 - 14 IV. 2. Girders Technical
 - 15 IV. 3. Sraight Sections Technical
 - 16 IV. 4. Interact. Region Technical [empty folder]
 - 17 IV. 5. Budget and Schedules
 - 18 IV. 6. Miscellaneous
 - 19 V. Instrumentation and Control 1. Design
 - V. 2. Computer
- 3 1 V. 3. Feedback System
 - 2 V. 4. Ring Control
 - 3 V. 5. Control Room and System Interfaces
 - 4 V. 6. Budgets and Scheduling
 - 5 V. 7. Miscellaneous
 - 6 VI. Beam Transport 1. Design
 - 7 VI. 2. Technical
 - 8 VI. 3. Budgets and Scheduling
 - 9 VI. 4. Miscellaneous
 - 10 VII. RF 1. Design
 - 11 VII. 2. Technical

Folder Folder title Box 12 VII. 3. Miscellaneous 13 VIII. Other 1. Plant Engineering 14 VIII. 2. Shielding 15 VIII. 3. Injection VIII. 4. Miscellaneous 16 IX. Experiments 1. Experiments 17 18 IX. 2. Solenoid Magnet 19 IX. 3 Spark Chambers 20 IX. 4 Counters 4 IX. 5 Electronics 1 2 IX. 6 General Design 3 IX. 7 Miscellaneous 4 X. Operations 5 XI. Detector 6 XII. Upgrading SPEAR 7 XIII. Users 1. Miscellaneous 8 XIII. 2. Sync Lt. 9 XIII. 3 SP-4 (Hughes) 10 XIII. 4 SP-8 (O'Neill) 11 SPEAR History 1962-69 12 SPEAR Turn-On 13 SPEAR RF System, R. McConnell, 1976 14 SPEAR II 15 SPEAR II, Planning Meeting Minutes 5 1 SPEAR II, Coordination Meeting Minutes 2 SPEAR Meetings, 1969-1971 3 SPEAR Photos [1/5] 4 SPEAR Photos [2/5] 5 SPEAR Photos [3/5] SPEAR Photos [4/5] 6 7 SPEAR Photos [5/5] 8 SPEAR Reports 1-10 9 SPEAR Reports 11-19 10 SPEAR Reports 21-31 6 1 SPEAR Reports 32-43 2 SPEAR Reports 101-110 3 SPEAR Reports 112-120 4 SPEAR Reports 121-126 5 SPEAR Reports 127-139 SPEAR Reports 140-150 6 7 SPEAR Reports 151-160 8 SPEAR Reports 156-164 SPEAR Reports 165-183

Subseries B: Group C Files

1

- 2 Group C Storage Ring, Richter-Sands [1/2]
- 3 Group C Storage Ring, Richter-Sands [2/2]

Box Folder Folder title

- Research Division, Group C, Storage Rings, 1961-1964 (correspondence: W.
- 4 Panofsky, AEC, etc.)
- 5 Research Division, Group C, Storage Rings, 1965-1968 [1/2]
- Research Division, Group C, Storage Rings, 1965-1968 [2/2]
 Research Division, Group C, WKHP to McDaniel with attachments, 10/1965,
- 8 1 Storage Ring presentation

 Present Crown C. Storage Presentation to AEC 5/5/
 - Research, Group C, Storage Ring Presentation to AEC, 5/5/1966 and 9/1966 2 [1/2]
 - Z [1/2] Rese

Research, Group C, Storage Ring Presentation to AEC, 5/5/1966 and 9/1966

3 [2/2]

Research Division, Group C, Storage Rings 10/1/1968-12/1970 [includes letter WKHP to John P. Abbadessa, AEC Controller, 11/20/69; Republican Storage Ring, 2/5/1970; Abbadessa's testimony to Congress; Bureau of Budget (BOB)

- 4 Approval, 4/15/1970]
- 5 Storage Ring Briefing, 8/21/1967
- 6 SPEAR Miscellaneous Memos, 2/1969-6/1970
- 7 SPEAR Miscellaneous Memos, 7/1/1970-6/30/1971
- 9 8 SPEAR 7/1/1971-6/30/1972
 - 1 SPEAR Miscellaneous Memos, 7/1972-12/31/1972
 - 2 SPEAR Miscellaneous Memos, 1/1/1973-6/30/1973
 - 3 SPEAR Miscellaneous Memos, 7/1/1973-12/31/1973
 - 4 SPEAR Miscellaneous Memos, 1/1974-6/1974
 - 5 SPEAR Miscellaneous Memos, 7/1/1974-12/1974
 - 6 Miscellaneous Memos, 1975
 - 7 Miscellaneous Memos, 1976
 - 8 Miscellaneous Memos, 1977
 - 9 Miscellaneous Memos, 1978
 - 10 Miscellaneous Memos, 1979

Subseries C: Mark II Detector

- 11 Old Mark I
- 10 1 New Detector Mark II, 1975-1976 [1/2]
 - 2 New Detector Mark II,1975-1976 [2/2]
 - 3 SPEAR Detector, 1972-1973
 - 4 Mark II Filter Hadronic, 1977
 - 5 Mark II and PEP Background, 1977
 - 6 Mark II, Move to PEP, 1978-1979 [1/3]
 - 7 Mark II, Move to PEP, 1978-1979 [2/3]
 - 8 Mark II, Move to PEP, 1978-1979 [3/3]
 - 9 Mark II SAN Reviews ERDA, 1977
 - Mark II Planning Meetings, 1976-1977 [1/3] (includes memos, notes, charts)
- 1 Mark II Planning Meetings, 1976-1977 [2/3] (includes memos, notes, charts)
 - 2 Mark II Planning Meetings, 1976-1977 [3/3] (includes memos, notes, charts)
 - 3 [SP-29 proposal and supplement, PEP-5 proposal, SP-28 proposal]
 - 4 Mark II SAN Show, 9/9/1976
 - Laboratory, 1975 [correspondence with ERDA re second generation SPEAR
 - 5 magnetic detector

Box	Folder	Folder	title

- 6 ERDA Briefing, 10/1976
- 7 Mark II, conventional
- 8 Mark II, schedule
- 9 Mark II, users
- 10 Mark II, neutral
- Mark II, physics goals
 [untitled folder contains memo regarding SPEAR proposal for Mark II,
- 12 10/13/1979]
- 13 Mark II, superconducting
- 14 Mark II, chamber electronics
- 15 Mark II, Pb-scintillator
- 16 Mark II, Pb-argon
- 12 1 [Memos regarding SPEAR, 6/1975-2/1977]

Subseries D: Storage Ring and SPEAR Proposals (Construction)

Research Division: Group C Proposal for a High-Energy Electron Positron

- 2 Colliding Beam Storage Ring at SLAC, 3/1964 [Bound] Research Division: Group C Proposal for a High-Energy Electron Positron
- 3 Colliding Beam Storage Ring at SLAC, Revised 6/1965 [Bound]
- 4 Design Report on Colliding Beam Storage Ring at SLAC 3/1966 Revised [Copy] Proposal for a High-Energy Electron-Positron Colliding Beam Storage Ring at
- 5 SLAC, Revised 9/1966 [Copy]
 Design Report on Colliding Beam Storage Ring at SLAC, 9/1966 Revised
- 6 [Bound]

SPEAR Design Report Stanford Positron-Electron Asymmetric Rings, 8/1969

7 [(Bound, 4 copies]

Particle Fields at the SLAC 2-Mile Electron Accelerator, Flatte and Gearhart,

- 13 1 1967
 - 2 Vacuum Requirements for the Bypass, H. Winick, 1965
 - 3 R.F. System Backup Material for 1964 Storage Ring Proposal, Smith-Dexter
 - 4 1964 Storage Ring Proposal Budget Backup
 - 5 Building Requirements Backup for 1964 Storage Ring Proposal
 - 6 Beam Transport, 1964 Proposal
 - 7 e+ from Thick Radiator CEA Intensity
 - 8 Injection, 1964 Proposal
 - 9 Inflector with/without ferrites, 1963
 - 10 2/3 pt. takeoff tunnel

Subseries E: SPEAR Proposals (Experiments)

- 11 SP-1: Summary
 - Cornell Proposal, 1975 (note: proposal for an electron-positron colliding beam
- 12 facility)
- DELCO and Mark III Proposals, 1978 SPEAR Proposal SP-1 (12/71) SLAC-LBL Collaboration, SPEAR Mag Detector,
- 14 Spokesperson R.R. Larsen
- SPEAR Proposal SLAC-LBL collaboration (7/74) SPEAR Proposal SP-2 (12/71) Exper. Survey of electron-positron annihilation
- into multi. particle states SLAC-LBL, Spokesperson R.R. Larsen

Folder Folder title Box 17 SPEAR Proposal SP-2 SLAC LBL Collab., 7/1974 SPEAR Proposal SP-3 (12/71) Measure Neutron Form Factors...Spokesperson 18 Dakin 19 SPEAR Proposal SP-4 (12/71) HEPL, Spokesperson E.B. Hughes 20 SPEAR Proposal SP-5 (12/71) UCSD, Spokesperson Masek SPEAR Proposal SP-6 (1/72) Princeton-Maryland, Study of Lepton and Boson 21 Form Factors, Spokesperson D.G. Coyne SPEAR Proposal SP-7 Univ. of Penn, Univ. of Wisc., Search for Forbidden 14 Angular Configurations, Spokesperson D.B. Cline 1 SPEAR Proposal SP-8 (7/72) Princeton-Pavia-Maryland Incl Reaction Study at 2 **SPEAR** SPEAR Proposal SP-9 (7/72) CEA Richard Wilson, Spokesperson, Study of Incl 3 Hadron Reacts at SPEAR SPEAR Proposal SP-10 (10/72) UCLA-SLAC Collab., N Deep Inelastic 4 Scattering Using SPEAR Phase I and II SPEAR Proposal SP11 (10/72) Incl pi-zero (eta zero) production at SPEAR, 5 Harvard-CEA-HEPL SPEAR Proposal SP-12 Beam Polarization Effects in the Reactions e⁺e⁻...[etc.] 6 SPEAR Proposal SP-13 Inclusive pi⁰ (n⁰) Production at SPEAR 7 8 SP-14 9 SP-15 10 SP-16 11 Mk III 15 SP-18 1 2 SP-19 3 SP-20 4 SP-21 5 **SP-22** 6 SP-23 7 SP-24 8 **SP-25** 9 SP-26 10 Sp-28 Parameters in the Helical Wiggler and Synchrotron Radiation, Gordon Chu, 11 SLAC-Pub-1782, 7/1976 [2 copies] SP-29 12 13 SP 1/2 Budget **Subseries F: Operations** [SPEAR Design and Construction 1965-1968 (re electronics, magnets, 16 1 engineering, inflector modulator, soil and foundation of SPEAR location)] 2 MAC B.R. 1971 [contains information on SPEAR shielding, circa 1971] 3 Synch Rad 4 **SPEAR Users** 5 SPEAR Users: S.R User Act 6 SPEAR Users: II 12 Users M Ring SPEAR Users: II 12 c Caldwell 1967

Dan	Foldon	Foldon title
Box	roider	Folder title
	8	SPEAR Users: SPEAR User Policy
	9	SPEAR Users Bulletin No. 26, 35, 39 and Memo, Call for Proposals 10/11/1971
	10	Time-of-flight (TOF) Magnetic Detector, C. C. Morehouse
	11	SPEAR Fire Protection, 1972
		Valley Strike, 1971(Valley Machine Company Subcontract for Quad Core
	12	production (magnets) labor strikes and management changes cause delay)
	13	Beam Enlargement, 12/1970, notes
	14	SPEAR Publicity, 1973-1975 [1/2]
	15	SPEAR Publicity, 1973-1975 [2/2]
17	1	Time-Life Article Psi Discoveries, 1975
	2	New Scientist Magazine, London, England, 1974
	3	Budget, 1971-1974 [1/2]
	4	Budget, 1971-1974 [2/2]
	5	II. SPEAR 3. Budget and Time Schedule FY70
	6	II. SPEAR 3. Budget and Time Schedule FY71
	7	Storage Ring Budget Final 5/1969
	8	Storage Ring Budgets 3/1969
	9	Desperation Measures, 1966 (3 GeV Storage Ring)
	10	Computer, 1977-1978
18	1	SPEAR Computer, 1971-1972 and Before 1969-1972
	2	SPEAR Computer, 1976-1977
	3	SPEAR Computer, 1975-1976
	4	SPEAR Computer, 1974-1975
	5	SPEAR Computer, 1973-1974
G 1	6	SPEAR Computer, 1972-1973
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	7 8	B Richter Notes SP-17, 1975-1976 SP-17 Papers [1/2]
	9	SP-17 Papers [1/2] SP-17 Papers [2/2]
	10	SP-17 Talks [1/3]
19	10	SP-17 Talks [1/3] SP-17 Talks [2/3]
17	2	SP-17 Talks [2/3] SP-17 Talks [3/3]
	3	SP-17 Notes [1/3]
	4	SP-17 Notes [2/3]
	5	SP-17 Notes [3/3]
	Ü	Related Theory [includes memo from Bjorken and Quinn to Richter and Fischer
	6	dated 6/14/1972 and publications]
	7	SP-17 Memos, 1973-1974
	8	SP-17 Memos, 7-12/1975
20	1	SP-17 Memos, 1-6/1975
	2	SP-17 Memos, 1977 [1/2]
	3	SP-17 Memos, 1977 [2/2]
	4	Other Experiments (includes papers from DESY, SLAC, HEPL 1974-1979) [1/3]
	5	Other Experiments (includes papers from DESY, SLAC, HEPL 1974-1979) [2/3]
	6	Other Experiments (includes papers from DESY, SLAC, HEPL 1974-1979) [3/3]

SERIES 7: Stanford Synchrotron Radiation Project (SSRP)/Stanford Synchrotron Radiation Laboratory (SSRL) (1970-1994)

Box Folder Folder title

- 1 SSRP, 1970-1972, XIII SSRL Synchrotron light facility, 1970-1972
 - 2 SSRP, 1972-1973, Stanford Synchrotron Radiation Project
 - 3 SSRP, 1973-1974
 - 4 SSRL 1983 Activity Report [4/1/1982-3/31/1983, SSRL Report 83/01]
 - 5 SSRL 1984 Activity Report [4/1/1983-12/311983, SSRL Report 84/01]
 - 6 SSRL 1985 Activity Report [1/1/1984-12/31/1984, SSRL Report 85/01]
 - 7 SSRL 1985 Activity Report [1/1/1985-12/31/1985, SSRL Report 86/01]
- 2 1 SSRL 1986 Activity Report [1/1/1986-12/31/1986, SSRL Report 87/01]
 - 2 SSRL 1987 Activity Report [1/1/1987-12/31/1987, SSRL Report 88/01]
 - 3 SSRL 1989 Activity Report [1/1/1989 12/31/1989, SSRL Report 90/01]
 - 4 SSRL 1991 Activity Report [1/1/1991-12/31/1991]
 - 5 SSRL 1993 Activity Report [1/1/1993-12/31/993]
 - 6 SSRL 1994 Activity Report [1/1/1994-12/31/1994]
- 3 1 L9(1) SSRL, Money
 - 2 L9(1) Charging, 1990
 - 3 L9(1) Charging, 1983-1987 [1/2]
 - 4 L9(1) Charging, 1983-1987 [2/2]
 - 5 L9(1) Charging, 1988
 - 6 L9(1)B Indirects
 - 7 L9(1)B Indirects
 - 8 L9(1)C Budgets
- 4 1 L9(2) SSRL/SLAC
 - 2 L9(2)A Scheduling
 - 3 L9(2)A Scheduling
 - 4 L9(2)A Scheduling
 - 5 L9(2)A1 SPEAR/SSRL Transition, 1990-1992
 - 6 AC-3 SPEAR, 1975-1994
 - 7 L9(2)A1 Long range planning
 - 8 L9(2)A1 Long-Range Plan, 1993
 - 9 L9(2)A1 Long-Range Planning, 1994
 - 10 L9(2)A1 SSRL Long-Term Strategic Plan, 1992
 - 11 L9(2)B PEP
 - 12 L9(2)B PEP
 - 13 L9(2)B [1/2]
 - 14 L9(2)B [2/2]
- 5 1 L9(2)C Land and buildings
 - 2 L9(2)C Land and Buildings
 - 3 L9(2)D Scientific Policy Committee (SPC), SLAC
 - 4 L9(2)D SLAC Scientific Policy Committee (SPC)
 - 5 L9(2)E Relations
 - 6 L9(2)E Relations
 - 7 L9(2)E1 Memo of Understanding

SERIES 7: Stanford Synchrotron Radiation Project (SSRP)/Stanford Synchrotron Radiation Laboratory (SSRL) (1970-1994)

Box	Folder	Folder title
	8	L9(2)E1 Memo of Understanding [1/2]
	9	L9(2)E1 Memo of Understanding [2/2]
	10	L9(2)E2 LLNL Politics and Project Management Plan [1/2]
	11	L9(2)E2 LLNL Politics and Project Management Plan [2/2]
6	1	L9(2)E2 LLNL SLAC Petition and Ruckus [1/2]
	2	L9(2)E2 LLNL SLAC Petition and Ruckus [2/2]
	3	L9(2)E3 Drell Committee, 1983
	4	L9(2)E4 Staffing at SSRL
	5	L9(2)E5 SSRL/SLAC Unification, 1981-1987
	6	L9(2)E5 SSRL/SLAC Unification, 1988-1989
	7	L9(2)E5 SSRL/SLAC Unification, 1990-1991
	8	L9(2)E5 SSRL/SLAC Unification, 1992
	9	L9(3) Projects: 5 GeV injector for PEP
	10	L9(3) SSRL: Projects
_	11	L9(3) 1986 Stanford X-Ray Participating Research Team (PRT), 1986
7	1	L9(3) 1993-1994 SSRL Participating Research Team (PRT), 1993-1994
	2	L9(3) 1993 SSRL Participating Research Team (PRT) Renewal, 1993
	3	L9(3)A 3 GeV Injector
	4	L9(3)B 6-GeV Ring [1/2]
	5	L9(3)B 6-GeV Ring [2/2]
	6	L9(3)C LOS [Laboratory, Office, and Shops] building
	7	L9(3)D Other
	8	L9(4) SSRL/Stanford University/SLAC/DOE
0	9	L9(4)A University
8	1	L9(4) A1 SSRL Ad Hoc Committee on New Storage Rings, Geballe [1/2]
	2 3	L9(4)A1 SSRL Ad Hoc Committee on New Storage Rings, Geballe [2/2]
	<i>3</i>	L9(4)A4 Donald Konnady Rayiayy
	5	L9(4)A4 Donald Kennedy Review L9(4)B DOE
	6	L9(4)C Other
	7	L9(4) C Other L9(5) SSRL, general and miscellaneous
	8	L9(5)A Arthur Bienenstock
	9	L9(5)B Technical
	10	L9(5)C Political
	10	L9(5)C Transuranic X-Ray Absorption Fine Structure Experiments (TRU
	11	XAFS), 4/13/1993 [1/3]
	11	L9(5)C Transuranic X-Ray Absorption Fine Structure Experiments (TRU
9	1	XAFS), 4/13/1993 [2/3]
	1	L9(5)C Transuranic X-Ray Absorption Fine Structure Experiments (TRU
	2	XAFS), 4/13/1993 [3/3]
	3	L9(5)C Users
	4	L9(5)C Users: 1983 SSRL Users Meeting
	5	L9(5)C Users: 1989 SSRL Users Conference
	6	LANL Experiment at SSRL
	7	L9(5)C Users: 1992 Report of the Workshop on Fourth Generation Light
	,	= (-)

SERIES 7: Stanford Synchrotron Radiation Project (SSRP)/Stanford Synchrotron Radiation Laboratory (SSRL) (1970-1994)

Box Folder Folder title Sources, 2/24-27/1992 L9(5)C Users: 1992 SSRL Workshop and Users Organization Meeting, 10/21-8 23/1992 L9(5)C Users: 1992 Workshop on Fourth Generation Light Sources at SLAC, 9 2/24-27/1992 L9(5)C Users: 1994 Report of the SSRL/SLAC 21st Workshop on Scientific 10 Applications of Coherent X-Rays, 2/12/1994 1 2 L9(5)C Users: 1994 SSRL/SLAC 21st Annual Users Conference, 10/17-18/1994 L9(5)C Users: 1994 SSRL/SLAC 21st Workshop on Scientific Applications of 3 Coherent X-Rays Meeting, 2/12/1994 4 ES&H, SSRL, 1994

- 5 Microcontamination Facility, 1994
- SPEARfest, John Rees, 1990 6 SSRL Biotechnology Resource National Institutes of Health (NIH) Site Visit,
- 7 7/15/1994
- 8 Synchrotron Radiation Research Center (SSRC) Status Report, 1/1988
- 1991 SSRL Program Review, 6/18/1991 9
- 10 1992 SSRL Program 1992
- 11 1994 SSRL 1994 Program Review

SERIES 8: Positron Electron Project (PEP)

Box Folder Folder title

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- 1 1 Feasibility PEP, 8/1971
 - 2 PEP Memos and Correspondence, 1971-1973
 - 3 PEP Memos and Correspondence, 1977-1978
 - 4 Sessler PEP Presentation, 10/1972, at Moscow
 - 5 PEP β Assym., 1974-1980
 - 6 PEP 5 Proposal, 1976, General Survey of Practice Production at PEP
 - 7 List of PEP notes
 - 8 Super Ring, 1971
 - 9 PEP Notes 1, 2, 3, 5
 - 10 PEP Notes 6-16
 - 11 PEP Notes 17-24
 - 12 PEP Notes 26-32
 - 13 PEP Notes 34, 36-38
 - 14 PEP Notes 75, 77, 79, 84
- 2 1 Memos originating from Burton Richter (BR), 1979-1980
 - 2 Other memos
 - 3 Minutes
 - 4 Other Documents
 - 5 PEP, [1990]

Subseries B: Research Program

- 6 AATF I-1 Budget
- 7 AATF I-2 KEK Collab
- 8 AATF I-2 Administration
- 9 AATF II-1 Resonance frequency program (R F Program)
- 10 EX Experimental Program Coordinator (EPC), 1979
- 11 EX-1-A Detectors: Time Projection Chamber (TPC), 1982-1987
- 12 EX-1-A TPC, 1978-1981
 - EX-1-B Ad Hoc Committee on Positron Electron Project (PEP), PEP-4, and PEP-
- 13 9, Abe Seiden, Chairman, 1983-1984
- 3 1 EX-1-C Detectors: Magnetic calorimeter (MAC), 1980-1986
 - 2 EX-1-D Detectors: High Resolution Spectrometer (HRS), 1981-1987
 - 3 EX-1-D HRS move to Japan, 1983-1985
 - 4 EX-1-E Detectors: Direct Electron Counter (DELCO), 1981-1984
 - 5 EX-1-H Agreements: PEP Detectors, 1984
 - 6 EX-1-H PEP Users, to 1983 [1/2]
 - 7 EX-1-H PEP Users, to 1983 [2/2]
 - History AC-2 [includes R. Wideroe memoir "Some Memories and Dreams from
 - 8 the Childhood of Particle Accelerators"]
- 4 1 Low Beta PEP, 1977-1981
 - 2 PEP 9 Dutch Users, begins 1985
 - 3 PEP Miscellaneous, 1976-1981 [1/2]
 - 4 PEP Miscellaneous, 1976-1981 [2/2]

SERIES 8: Positron Electron Project (PEP)

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- 5 PEP Machine Physics, 1981
- 6 PEP Facilities Review, 1976-1977
- 7 SLED AC-3

Subseries C: MARK II

- 8 I-1 Mark II: Group C
- 5 1 I-2 Mark II: Move to PEP
 - 2 I-3 Mark II: Improvement Program
 - 3 I-4 Mark II
 - 4 II-1 Mark II: Technical [1/2]
 - 5 II-1 Mark II: Technical [2/2]
 - 6 II-2 Mark II [1/4]
 - 7 II-2 Mark II [2/4]
- 6 1 II-2 Mark II [3/4]
 - 2 II-2 Mark II [4/4]
 - 3 II-3 Mark II: Papers [1/2]
 - 4 II-3 Mark II: Papers [2/2]
 - 5 II-3 Mark II
 - 6 II-4 Mark II
- 7 1 II-4 Mark II: Other Experiments [1/3]
 - 2 II-4 Mark II: Other Experiments [2/3]
 - 3 II-4 Mark II: Other Experiments [3/3]
 - 4 II-5 Mark II: Apparatus Development
 - 5 II-6 Mark II: Theory [1/2]
 - 6 II-6 Mark II: Theory [2/2]
- 8 1 III-1 Mark II: Technical
 - 2 III-2 Mark II: Physics Notes [1/2]
 - 3 III-2 Mark II: Physics Notes [2/2]
 - 4 III-2 Mark II [1/2]
 - 5 III-2 Mark II [2/2]
 - 6 Mark II Program, PEP Runtime Proposal
- 9 1 Mark II at PEP [1/2]
 - 2 Mark II at PEP [2/2]
 - 3 Mark II [1/3]
 - 4 Mark II [2/3]
 - 5 Mark II [3/3]
 - 6 Mark II Coordination Meetings, Minutes
- 10 1 Mark II: Physics [1/2]
 - 2 Mark II: Physics [2/2]
 - 3 Mark II: Physics [1/2]
 - 4 Mark II: Physics [2/2]
 - 5 III-3 Mark II: Papers [1/2]
 - 6 III-3 Mark II: Papers [2/2]
- 11 1 III-3 Mark II: Papers
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 - 3 III-3 Mark II [2/2]
 - 4 III-3 Mark II [1/2]

SERIES 8: Positron Electron Project (PEP)

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	5	III-3 Mark II [2/2]
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	2	III-3 Mark II
	3	III-4 Mark II: Other Experiments [1/2]
	4	III-4 Mark II: Other Experiments [2/2]
	5	III-5 Mark II: Theory
	6	Mark II
	7	EX-3.a.1 Mark II: Budget, Administration, and Schedule, 1985-1989
13	1	EX-3.a.2 Mark II: Technical, 1985-1989
	2	EX-3.a.3 Mark II: Miscellaneous, 1985-1989
	3	AC4b [Projects A]
	4	AC-4-a PEP: Mini-Beta
	5	AC-4-a Report of the PEP Upgrade (PEPUP) Committee
	6	Projects L [1/2]
	7	Projects L [2/2]
14	1	AC-4-b PEP: Other
	2	Mark II at PEP, 1982-1983 [1/2]
	3	Mark II at PEP, 1982-1983 [2/2]
	4	Mark II at PEP, 1982-1983 [1/2]
	5	Mark II at PEP, 1982-1983 [2/2]
	6	Mark II at PEP, 1984 [1/2]
	7	Mark II at PEP, 1984 [2/2]
15	1	Mark II at PEP, 1985 [1/2]
	2	Mark II at PEP, 1985 [2/2]
	3	Mark II at PEP, 1985 [1/2]
	4	Mark II at PEP, 1985 [2/2]
	5	Mark II at PEP, 1986 [1/2]
1.0	6	Mark II at PEP, 1986 [2/2]
16	1	Mark II at PEP, 1986 [1/2]
	2	Mark II at PEP, 1986 [2/2]
	3	Mark II at PEP, 1987
	4	Mark II at PEP, 1987
17	5	Mark II at PEP, 1987
17	1	Mark II at PEP, 1987
	2 3	Mark II at PEP, 1988 [1/2]
		Mark II at PEP, 1988 [2/2]
	4	Mark II at PEP, 1989

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1	1	Spark Chamber Experiments (1968-1969)
	2	Quarks
	3	Quarks
	4	E-86
	5	Compton
	6	Compton
	7	Polarized Photon
	8	Polarized Photon
	9	Siemann Polarized Photon
2	1	Project X (note: E.R.A. Project, SLAC-LBL, circa 1968)
	2	Survey (note: reports and Group C Memos, team surveys, circa 1967)
	3	Simonds (data analysis, 1965-1966)
	4	[Pion decay] experiment (R. Giese file, 1968, memos, graphs, calculations) [Photon Pion decay] (memos from D. Leith, Ray Larson, circa 1968, to
	5	experimentalists)
	6	Coherent pion (graphs and data)
	7	Neutrino experiment (memo from Sid Drell, 4/13/1965, to SLACers)
	8	Quarks (memos from Luke Mo and H. Destaebler, 1966)
		20 BeV Cherenkov (note: Cerenkov Counter in End Station A, memos, Group A
	9	and Group C, 1965-1966)
	10	Exp (BSY) (SLAC pubs, articles on Beams End Station A, 1952-1966)
	11	Magnet (memo: proposed magnet design and costs, 1968)
	12	Tables, Photoproduction
	13	Requests for Group C papers
	14	1. Spectrometers, a. Requirements
	15	1. Spectrometers, b. 20 GeV Optics
	16	1. Spectrometers, c. 20 GeV Magnets
3	1	1. Spectrometers, d. 20 GeV Mechanical
	2	1. Spectrometers, e. 20 GeV Counter House
	3	1. Spectrometers, f. 20 GeV Tuneup
	4	1. Spectrometers, g. 20 GeV Miscellaneous
	5	1. Spectrometers, h. 8 GeV Optics
	6	1. Spectrometers, i. 8 GeV Magnets
	7	1. Spectrometers, k. Miscellaneous
	8	2. ESA and Counting Room, b. Photon Beam
	9	2. ESA and Counting Room, c. Counting Room
	10	2. ESA and Counting Room, d. Miscellaneous
	11	3. Gen. Purp. Exp. Equip't, a. Low Intensity Liq. H2 Target
	12	3. Gen. Purp. Exp. Equip't, b. High Intensity Liq. H2 Target
	13	3. Gen. Purp. Exp. Equip't, c. Beam Monitor
	14	3. Gen. Purp. Exp. Equip't, d. Miscellaneous
4	1	5. Computer for Spectrometer, b. General Programs
	2	5. Computer for Spectrometer, c. Group C Programs

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- 3 5. Computer for Spectrometer, d. Miscellaneous
- 4 6. Group C Experiments, a. Beam Survey
- 5 6. Group C Experiments, c. Peripheral Production
- 6. Group C Experiments, e. Single-Particle Photoproduction
- 7 6. Group C Experiments, f. p Production
- 8 6. Group C Experiments, h. Miscellaneous
- 9 6. Group C Experiments, g. Bremsstrahlung and Pair Production
- 10 4. Group C Exp. Equipment, a. Time of Flight System
- 4. Group C Exp. Equipment, b. Gas Cerenkov Counter
- 12 4. Group C Exp. Equip't, c. MIT Hodoscope
- 4. Group C Exp. Equipment, d. Shower Counter
- 4. Group C Exp. Equip't, e. 0 Counters
- 4. Group C Exp. Equip't, f. Coarse Hodoscope
- 16 4. Group C Exp. Equip't, g. M Counter
- 17 4. Group C Exp. Equip't, h. Phototubes
- 18 4. Group C Exp. Equip't, i. Miscellaneous
- 19 4. Group C Equipment, j. BR-1 Magnet
- 20 2. ESA and Counting Room, a. General Facilities
- 21 SLAC Proposal No. 10. 1/1966 (Group C)
 - Proposal No. 24. Proposal to Investigate CP Violations in Spectromagnetic
- 22 Interactions Through Diffraction F Photoproduction
- 23 Proposal for Research at SLAC
- 5 1 a. Particle Beams
 - 2 b. Pairs
 - 3 c. Electron Scattering Kinematics and Yield
 - 4 d. Background Electron Scatt.
 - 5 e. 2 Quantum Annihilation
 - 6 f. Shielding
 - 7 Experiment E-74
 - 8 Experiment E-66
 - 9 Experiment E-86
 - 10 K+ Photoprod, Bradbury
 - 11 Bremsstrahlung and Pair Production
 - 12 PR Coincidence and Gas Counter Design
 - 13 π -e, 1958
 - 14 π -Pairs and ABC (Assorted Papers)
 - 15 Power Sines
 - 16 A Proposal, 1965, End Station A Spectrometer
- 6 1 E-45 Engineering Notebook No. 749, R. Diebold, 11/2/1965
 - 2 E-45 Engineering Notebook No. 1376, Stan Eklund 5/6-11/1970
 - 3 E-45 Engineering Notebook No. 1375, L.S. Duboise, 5/11-18/1970
 - 4 E-45 Engineer Notebook No. 986, Wit Busza, 11/22/1966
 - 5 E-45 Engineering Notebook No. 504, Stan Ecklund 11/1969
 - Photocopy of HEPL Data Notebook No.545, Robert M. Simonds, 2/23/1965 [See
 - 6 oversize box]
 - 7 [Unidentified folder: Contains photocopy of Engineering Notebook No. 1022, R.

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Diebold. 4/11/1967, computer data, and preliminary report on 20 GeV secondary particle yields, 7/1967] 7 1 Engineering Notebook. No. 1380. Boyarski, et al. 6/10/1970 2 Engineering Notebook. No. 1379. Boyarski, et al. 5/18-6/10/1970 3 Amati Salin (Diebold) Polarized Targ. Exp. [1/2] 4 Amati Salin (Diebold) Polarized Targ. Exp. [2/2] 5 Storage Ring Reports By Category [1/2] 6 Storage Ring Reports By Category [2/2] Wide Angle Electron-Electron Scattering on the Princeton-Stanford Storage 7 Rings, Richter et al, 1965 8 Boyarski and Kendall, The Scaler Solution, 1965 9 GLIB 9300 Program, Boyarski 10 Rees, DGauss, 1967 8 Boyarski, Using Spectrometers in the Scan Mode, 1969 1 Boyarski et al., Spectrometers for Electron Scattering and Photoproduction 2 Experiments, 1964 3 Boyarski, Spectrometer Display System, 1966 4 Boyarski, Spectrometer Analysis and Display Programs, 1966 5 Boyarski, Program Index, 1967 6 Boyarski, Spectrometer Oscilloscope Display Routing 7 Boyarski, Scripti, 1966 8 Boyarski, Display Index, 1967 9 Boyarski, Globals and Common Definitions, 1967 10 Boyarski, Photoproduction Constants, 1967 11 SDS/360 Fortran IV Compatibility, 1967 12 Rees, Worrier, Specmag, 1967 13 Rees, Predictr, Finder, 1967 14 Rees, A Cerenkov-Light Monitor of Photon-Beam Intensity, 1967 15 Rees, Logmags, 1967 Rees, Magdisp, Magtv, 1967 16 17 Bulos, 20-Gev Spectrometer Counter House, 1967 Bulos, 20-Bev Spectrometer, counter-Hodoscope, 1966 18 19 Richter, Error Analysis of a Hodoscoped Spectrometer, 1964 20 Richter, Beam Envelope in 20-Gev Counter House, 1965 21 [Richter, Forward Photoproduction, 1970] [Richter et al, Small Angle Pion Flux Produced in a Thick Beryllium Target by 22 High Energy Electrons, 19671 23 Rees, SP 20, 1967 Rees, MVSET, 1967 24 25 Rees, Scanmag, 1967 Busza, Notes on Off-Line Program, 1968 26 27 Busza, Relativistic Two-Body Kinematics Program, 1967 28 Tune shift limits in e+e-, 1979 29 R. McConnell 30 Richard Scholl

Sabersky, Information Processing with Time-Holography, 1969

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	32	Cornell 50x50
9	1	HEPAP Sub-Panel A, 3/16-17/1968
	2	SAD Committee, 1968-1971 [SuperConducting Acceleration group]
	3	[Untitled hanging folder contains material on colliding beams, circa 1960s]
	4	Miscellaneous [contains material on colliding beams, circa 1955, 1985]
	5	NAL
	6	NAL doubler colliding beams
	7	ISABELLE [1/4]
	8	ISABELLE [2/4]
1.0	9	ISABELLE [3/4]
10	1	ISABELLE [4/4]
	2	BNL
	3	DESY EDA SCATE 11/21
	4	FRASCATI [1/2]
11	5	FRASCATI [2/2]
11	1	CERN [1/2]
	2 3	CERN [2/2] SACLAY/ ORSAY
	4	CEA [1/4]
	5	CEA [1/4] CEA [2/4]
12	1	CEA [3/4]
12	2	CEA [4/4]
	3	Electron Ring Accelerator Reprints: Labnotes, 1957-1969
	4	Electron Ring Accelerator Reprints: ERAN
	5	Electron Ring Accelerator Reprints: ERAC [1/2]
	6	Electron Ring Accelerator Reprints: ERAC [2/2]
	7	The Proton Synchrotron, by Green and Courant, [no date]
	8	Orear Statistics Notes, De Staebler
13	1	V. Reprints etc. 11. Circuits
	2	V. Reprints etc. 9. Electromagnetic Showers
	3	V. Reprints etc. 8. Detectors
	4	V. Reprints etc. 1. Q.E.D. [1/2]
	5	V. Reprints etc. 1. Q.E.D. [2/2]
	6	V. Reprints etc. 17. Beam Monitors
	7	V. Reprints etc. 13. Magnets and Spectrometers
	8	V. Reprints etc. 4. Photoproduction Theory
	9	SP-1 Proposal, 1971
	10	SP-2 Proposal, 1971
	11	SP-28 Proposal, 1976
14	1	SP-29 Proposal, 1976
	2	Lattice Calculations by Richter/Sands for SP-102 Notes, 1971-1972
	3	Black Body Radiation
	4	[Pre-]SPEAR Notes, various

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		I-1 Collider: (Budget and Administration), SLAC and Washington
1	1	Administration [1/2]
		I-1 Collider: (Budget and Administration), SLAC and Washington
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		I-2 Collider: (Budget and Administration), Plant Engineering and Design
	3	(PE&D) Program [1/2]
		I-2 Collider: (Budget and Administration), Plant Engineering and Design
	4	(PE&D) Program [2/2]
		I-3 Collider: (Budget and Administration), Conventional Facilities
	5	Administration
	6	I-4 Collider: (Budget and Administration), Architect/Engineer (AE) Contractors
	7	[SLC] Architect/Engineer (AE) Selection Committee, [1980-1981]
2	1	I-5 Collider: (Budget and Administration), University Approvals
	2	I-6 Collider: (Budget and Administration), University and Community Relations
	3	I-7 Collider: (Budget and Administration), Environmental Assessment
	4	I-8 Collider: (Budget and Administration), R&D Program and Budget [1/2]
	5	I-8 Collider: (Budget and Administration), R&D Program and Budget [2/2]
	6	I-9 Collider: Sched 44, 2/1982
	7	I-9 Collider: (Budget and Administration), Construction Program Budget
3	1	I-10 Collider: (Budget and Administration), Lab Budget
	2	I-10A Collider: (Budget and Administration), Lab Budget FY82-FY83
	3	I-11 Collider: (Budget and Administration), Miscellaneous
	4	I-12 Collider: (Budget and Administration), Groups C Budgets
	5	II-1 Collider: Theory
	6	II-2 Collider: SLAC Papers
	7	II-3 Collider: Other Lab Papers
	8	II-4 Collider: Beam-Beam Interaction
	9	III-1 Collider: Linac
	10	III-1Collider: Linac
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4	1	III-3 Collider: Final Focus [1/2]
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	6	III-5 Collider: Damping Ring
	7	[SLC] Damping Ring, 1981
_	8	[SLC] Damping Ring, 1982
5	1	III-6 Collider: Buncher
	2	III-7 Collider: e+ Source
	3	III-7 Collider: e+ Source
	4	III-8 Collider: Instrumentation and Control
	5	III-8 Collider: Instrumentation and Control

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	7	III-10 Collider
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	5 6	VII Collider: Experimenter Apparatus VIII Collider: Users and Program Policy [1/2]
	7	VIII Collider: Users and Program Policy [1/2] VIII Collider: Users and Program Policy [2/2]
7	1	IX Collider: Microdetectors [1/2]
,	2	IX Collider: Microdetectors [1/2]
	3	XI SLC Planning group meeting minutes, 1982 [1/2]
	4	XI SLC Planning group meeting minutes, 1982 [2/2]
	5	XI Collider: Letters of Intent
		Design Report: The Proposed Recirculating Linear Accelerator at SLAC (RLA)
	6	SLAC-165. 1973
	7	SLC Backup, 1979-1980
8	1	SLC Backup, 1981
	2	[SLC] Collider Coordination Meeting, [1979-1982]
	3	SLC Correspondence, Miscellaneous, [1979-1981]
	4	SLC Memos, Miscellaneous, 1979-1981
	5	[SLC] Collider Design Report Draft, 5/8/1980
	6 7	SLC Conceptual Design Report, 6/1980
	8	[SLC] Collider Design Report, [1980] SLC Design Handbook, 1983
9	1	SLC Alignment Design, 1/1984
,	2	[SLC] Collider Users, [1980]
	3	[SLC] Single Pass Collider, Publicity File, [1980-1982]
	4	SLC Steering Committee, [1980-1982]
	5	[SLC] Project Management Manual, [1/8/1981]
		[SLC] Evaluation Material for Architect-Engineer Services, Tudor Engineering
	6	Company, 2/4/1981
		[SLC] Cost Proposal for Architect-Engineer Servies, Tudor Engineering
	7	Company, 4/6/1981
	8	[SLC] Project [Architect-Engineer Services], Sverdrup/Foster, 2/5/1981
	9	SLC Press Release, American Physical Society Meeting, 4/1981
	10	[SLC] Positron Source, 1981 (AC-1.e)
10	11 1	[SLC] Reardon Committee, [1981] SLC Reports, [1981-1982]
10	1 2	[SLC] Spare Collider Figures, [1981]
	4	[DEC] Spare Comaci Figures, [1701]

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	_	[SLC] Geotechnical Investigation SLAC-SLC Project, Earth Sciences Associates,
	3	2/10/1981
	4	SLC DOE Review, 3/6-7/1984
	5	SLC DOE Semi-annual Review, 6/19-20/1984
	6 7	SLC DOE Semi-annual Review, 5/7-8/1985 SLC DOE Review, 5/5-7/1982
11	1	SLC DOE Review, 3/3-1/1982 SLC DOE Semi-annual Review, 11/13-14/1985
11	2	SLD DOE Review 9/16-17/1986
	3	SLC DOE Semi-annual Review, 12/2-3/1986
	4	SLD DOE Review 5/24-25/1988
	5	SLD DOE Review 5/8-10/1989
	6	SLC final review 12/2-3/1986
	7	SLC Environmental Assessment, 9/1982
	8	SLC Systems Managers Meetings, 11/1982-8/14/1984 (AC-1.b)
	9	SLC Systems Managers Meeting, begin 1984-4/1985 (AC-1.b) [1/2]
	10	SLC Systems Managers Meeting, begin 1984-4/1985 (AC-1.b) [2/2]
12	1	SLC Systems Managers Meeting, begin 5/1985 (AC-1.b) [1/2]
	2	SLC Systems Managers Meeting, begin 5/1985 (AC-1.b) [2/2]
	3	SLC Systems Managers Meeting, begin 8/1985 (AC-1.b) [1/2]
	4	SLC Systems Managers Meeting, begin 8/1985 (AC-1.b) [2/2]
	5	SLC Systems Managers Meeting, begin 10/1985 (AC-1.b) [1/2]
	6	SLC Systems Managers Meeting, begin 10/1985 (AC-1.b) [2/2]
	7	SLC Systems Managers Meeting, begin 10/1985 continued (AC-1.b) [1/2]
12	8	SLC Systems Managers Meeting, begin 10/1985 continued (AC-1.b) [2/2]
13	1 2	[SLC] Calorimetry and Lepton Identification Group, 1982 [SLC] GUCCI, Grounds up Detector, [1982]
	3	[SLC] Mark II at SLC, 1982 [1/2]
	4	[SLC] Mark II at SLC, 1982 [1/2]
	5	[SLC] Mark II at SLC, 17/1982-7/1983 [1/2]
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	8	[SLC] Mark II at SLC, 7/1983-12/1984 [2/3]
14	1	[SLC] Mark II at SLC, 7/1983-12/1984 [3/3]
	2	[SLC] Mark II at SLC, 1985
	3	[SLC] Proceedings of the Second Mark II Workshop on SLC Physics, 11/1986
	4	SLC Miscellaneous, 1982
	5	SLC Miscellaneous, 1982-1984
	6	SLC Miscellaneous, 1983
15	1	SLC Miscellaneous, 1983 Continued [1/2]
	2	SLC Miscellaneous, 1983 Continued [2/2]
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	3	SLC Current Working Estimate, 8/1983

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	4 5	SLC Administration, Budget, Schedule, 1983 (AC-1.a) SLC Administration, Budget, Schedule, 1984-12/1985 (AC-1.a)
19	1	SLC Administration, Budget, schedule, 1984-12/1983 (AC-1.a) SLC Administration, Budget, and Schedule, 1985-1988 (AC-1.a)
19	2	SLC Construction Review, 1983 (AC-1.c)
	3	[SLC] Project B, 1983
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	5	[SLC] B. Energy Upgrade, [1982-1983] [1/2]
	6	[SLC] B. Energy Upgrade, [1982-1983] [2/2]
	7	[SLC] Projects: J. SLAC Linear Collider: Proposals, 1983-1984
	8	SLC Publicity, 1983-1989 (AC-1.c)
20	1	[SLC] EX-1-A Detectors, Time Projection Chamber (TPC), 1988-1989
	2	[SLC] EX-2 Linac, 1984-1989
	3	[SLC] EX-3.b.1 SLD Administrative, Budget, and Schedule, 1984-1989
	4	[SLC] EX-3.b.2 SLD Technical, 1984-1988
	5	[SLC] EX-3.b.3 SLD Miscellaneous, 1984-9/1989
	6	[SLC] EX-3.b.3 SLD Miscellaneous, 9/1985-1989
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21	1	[SLC] EX-7.d X-ray Lithography, 1986-1989 [1/2]
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	5	[SLC] SLD Cost Estimate, 4/1987

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- 6 [SLC] Tau Charm Factory, 7/1988-1989 (AC-8)
- 7 SLD Computing Plan 1993
- 8 SLC Development Review Committee 1989

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	6	B-Factory Propaganda, Pat Fulton, 1992	
	7	Zschau Letter, [1992]	
	8	B-Factory Propaganda, 1994	
	9	CESR B-Factory and Detector 1991-1992	
	10	CESR B-Factory Report/Cornell, 6/28-7/2/1993 [1/3]	
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	7	B-Factory Long Range, 6/1992	
	8	B-Factory Cornell, 6/1992	
	9	B-Factory Cornell/ SLAC Review, 2-5/1993	
	10	Paper "Future of the SLAC High Energy Program," 10/5/1992	
	11	Future of the SLAC HEP Program, 10/5/1992	
	12	SLAC In Transition, 12/8/1992 [B-Factory]	
	13	Paper "SLAC in Transition: Executive Summary," 2/1/1993	
7	1	Paper "The Stanford Linear Accelerator Center," 3/1993	
	2	Paper "PEP-II": An Asymmetric B-Factory," 2/24/1993	
	3	Paper "Asymmetric B-Factory, Origins, Peer Review and Status," 4/28/1993	
	4	Paper "Chronology of the Cornell/ SLAC B-Factory Review Panel," 3/11/1993	
	5	Paper "Talking Points B-Factory at SLAC or Cornell," 3/26/1993	
	6	Paper "The SLAC B-Factory and the Future of High Energy Physics," 8/1993	
	7	Paper "Why Do We Need a B-Factory?" [1993]	
	8	B-Factory SLAC/LBL/LLNL Packages, 1992	
	9	B-Factory California Council on Science and Technology (CCST), 1992-1993	
	10	B-Factory Papers Miscellaneous, 3/2/1993	
	11	B-Factory Papers (Packet), [1993]	
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- 15 B-Factory Kowalski Committee Report, 6/21-25/1993 [1/2]
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SERIES 11: PEP-II/B-factory, 1986-1997

Box Folder Folder title

7 Status of the SLAC/LBL/LLNL B-Factory Proposal, 6/29/1993 B-Factory Material/Meeting with the Deputy Secretary of Energy, Bill White, 8 7/20/1993 9 Hazel O'Leary Letter, 7/24/1993 Discussion Papers, Washington Trip, 8/5-6/1993 10 B-Factory Site Decision Paper, 8/16/1993 11 12 B-Factory Site Decision, 8/1993, end game [1/2] 13 B-Factory Site Decision, 8/1993, end game [2/2] 9 1 B-Factory Site Decision, 9/1/1993 [1/2] 2 B-Factory Site Decision, 9/1/1993 [2/2] 3 Congratulations Letters for B-Factory SLAC Siting, 12/1993-1/1994 4 Workshop/Inauguration B-Factory Detector Collaboration, 12/1993 (Part 1 of 2) 5 Workshop/Inauguration B-Factory Detector Collaboration, 12/1993 (Part 2 of 2) 6 B-Factory CLEO Collaboration, 12/1993 7 B-Factory News Releases, 1993 8 B-Factory News Releases, 1993-1994 9 B-Factory Penny-Kasich Task Force, 1993 10 1 B-Factory Update, 1993 2 Energy System Acquisition Advisory Board (ESAAB), 1993 3 Environmental Assessment of B-Factory/SLAC, 1993 4 Possible Press Release, [1993] 5 SLAC/ Cornell, 1993 6 Washington Papers Miscellaneous, 1993 7 B-Factory Inauguration Ceremony, 1/11/1994 [1/2] 8 B-Factory Inauguration Ceremony, 1/11/1994 [2/2] 9 B-Factory press kit [1/2] 10 B-Factory press kit [2/2] 11 B-Factory Detector Collaboration, SLAC, 2/9-12/1994 12 B-Factory Detector Collaboration, Paris, 3/29-31/1994 13 B-Factory Detector Collaboration Meeting, 5/17-20/1994 14 B-Factory Detector Collaboration Meeting, 7/7-12/1994 15 B-Factory Detector Collaboration Workshop at SLAC, 11/30-12/4/1993 B-Factory Collaboration Meeting, SLAC, 3/9-15/1995 16 17 B-Factory Detector Collaboration Meeting, 6/14-16/1995 18 B-Factory Detector Collaboration Meeting, 9/20-23/1995 19 BaBar Letter of Intent, 6/1994 11 B-Factory DOE Management Systems Review, 8/8-12/1994 1 2 PEP II Machine Advisory Committee Meeting, 8/18/1994 3 PEP II Machine Advisory Committee Meeting, 1/4-6/1995 4 PEP II Machine Advisory Committee Meeting, 8/24-25/1995 5 PEP II Machine Advisory Committee Meeting, 4/11-13/1996 6 BaBar Progress Reports, 1994-1996 B-Factory DOE, 1994 7 8 B-Factory Ice Review, 1994 9 B-Factory Magnet Procurement, 1994 10 B-Factory Magnet Procurement, 1995

SERIES 11: PEP-II/B-factory, 1986-1997

		-11/b-tactory, 1980-1997
Box	Folder	Folder title
	11	PEP II Management Plan, 1994
	12	SLAC/LBL/LLNL B-Factory Layout (colored picture), [1994]
	13	B-Factory Machine Advisory Committee, 1/4-6/1995 (1/3)
	14	B-Factory Machine Advisory Committee, 1/4-6/1995 (2/3)
12	1	B-Factory Machine Advisory Committee, 1/4-6/1995 (3/3)
	2	B-Factory Machine Advisory Committee, 8/24-25/1995 (1/2)
	3	B-Factory Machine Advisory Committee, 8/24-25/1995 (2/2)
	4	B-Factory Machine Advisory Committee, 4/11-13/1995 (1/3)
	5	B-Factory Machine Advisory Committee, 4/11-13/1995 (21/3)
	6	B-Factory Machine Advisory Committee, 4/11-13/1995 (3/3)
		BaBar Budget Work Breakdown Structure for the Director's Review Committee,
13	1	3/6/1995 (Sections 1-5)
		BaBar Budget Work Breakdown Structure for the Director's Review Committee,
	2	3/6/1995 (Sections 6-10)
	3	BaBar Detector Draft Financial Details, 3/7/1995
	4	BaBar EPAC Meeting, 3/17/1995 (Sections 1-5)
	5	BaBar EPAC Meeting, 3/17/1995 (Sections 6-11)
	6	BaBar DOE Review of the Project, 4/25-27/1995 (sections 1-5)
	7	BaBar DOE Review of the Project, 4/25-27/1995 (sections 6-10)
	8	BaBar DOE Review of the Project, 4/25-27/1995 (sections 11-16)
14	1	BaBar DOE Review, 11/14-16/1995 (sections 1-10) [Timeline charts]
	2	BaBar DOE Review, 11/14-16/1995 (sections 1-8)
	3	BaBar DOE Review, 11/14-16/1995 (sections 9-13)
	4	BaBar DOE Review, 11/14-16/1995 (sections 14-19)
	5	BaBar DOE Review, 6/4-6/1996 (sections 1-6)
	6	BaBar DOE Review, 6/4-6/1996 (sections 7-11)
	7	BaBar DOE Review, 6/4-6/1996 (sections 12-18)
15	8	BaBar DOE Review, 1/28-30/1997 (sections 1-6)
15	1	BaBar DOE Review, 1/28-30/1997 (sections 7-15)
	2 3	BaBar Technical Review, 10/12-14/1995 (sections 1-10) BaBar Technical Review, 10/12-14/1995 (sections 1-8)
	4	BaBar Technical Review, 10/12-14/1995 (sections 1-8)
	5	BaBar Technical Review, 5/30-6/1/1996 (sections 1-5)
	6	BaBar Technical Review, 5/30-6/1/1996 (sections 6-10)
	7	BaBar Technical Review, 5/30-6/1/1996 (sections 11-18)
	8	BaBar Technical Review, 1/22-24/1997 (sections 1-7)
16	1	BaBar Technical Review, 1/22-24/1997 (sections 8-16)
10	2	B-Factory International Procurement, 1995
	3	B-Factory Klystron Procurement, 1995
	4	B-Factory Progress Reports, 1995 [1/2]
	5	B-Factory Progress Reports, 1995 [2/2]
	6	B-Factory Progress Reports, 1996 [1/2]
	7	B-Factory Progress Reports, 1996 [2/2]
17	1	BaBar International Finance Review Committee, 7/11-12/1997

SERIES 12: Next Linear Collider (NLC), 1979-1990

Box Folder Folder title

1 1 Big Collider 1979 Big Collider 1980 2 Big Collider 1983 [1/2] 3 Big Collider 1983 [2/2] 4 Big Collider 1984 5 Big Collider, 1-6/1985 [1/2] 6 Big Collider, 1-6/1985 [2/2] Big Collider, 7-12/1985[1/2] 2 1 Big Collider, 7-12/1985[2/2] 2 Big Collider, 1-6/1986 3 Big Collider, 7-12/1986 4 Collider Physics Committee Projects 10/1986 [1/2] 5 3 Collider Physics Committee Projects 10/1986 [2/2] 1 Big Collider, 1-4/1987 2 3 Big Collider, 5-12/1987 [1/2] Big Collider, 5-12/1987 [2/2] 4 Big Collider, 1-6/1988 [1/2] 5 Big Collider, 1-6/1988 [2/2] 6 Big Collider, 7-12/1988 7 Big Collider, 1989 1 4 Big Collider Europe, 1986-1990 2 Big Collider USSR, 1987 3 TeV Linear Collider (TLC) Program, 1988-1990 (ac-9) 4 Next Linear Collider Administration, 1990 5

Appendixes

Appendix A

A talk presented by Jean Marie Deken at the Society of American Archivists Annual Meeting in Los Angeles, CA, 2003, describes the processing of the Burton Richter papers.

"Whither Processing? An Incremental Approach to Archival Processing" (SLAC-PUB-10135). http://www.slac.stanford.edu/cgi-wrap/getdoc/slac-pub-10135.pdf

Appendix B

The governance of Stanford University and SLAC are explained in a Stanford Report article and the 1971 SLAC Annual Report.

- "A Guide to Faculty Governance," Stanford Report, 1/23/2002.
- "Administration," Stanford Linear Accelerator Center 1971 Annual Report, p.58.

Appendix C

The Richter papers were transferred to the SLAC Archives over a period of about a decade. They were retired to the archives when they were no longer needed for current business and as file storage capacity in the Director's office dictated. Prior to transfer they were maintained in various ways by numerous staff with usually low priority given to the systematic organization of the files while they were active. There is evidence of one attempt to classify the files and the file codes have been preserved in the container lists.

• Photocopy of file guide created by Directors Office staff, no date.



SLAC-PUB-10135 August 2003 Revised September 2004

Whither Processing? An Incremental Approach to Archival Processing

Jean Marie Deken

Stanford Linear Accelerator Center Stanford University 2575 Sand Hill Road MS 82 Menlo Park CA 94022 USA

Invited talk presented at the Society of American Archivists Annual Meeting, 8/18/2003—8/24/2003, Los Angeles, CA, USA

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The struggle to accomplish processing is shared, to a greater or lesser extent, by most archival repositories regardless of their size or subject matter. Many archives also, I suspect, employ similar coping strategies in their efforts to preserve the identity and integrity of the records in their care, while at the same time arranging and describing them in order to facilitate research. Making progress on processing is one of the most difficult tasks we face in the Archives and History Office of the Stanford Linear Accelerator Center, and it is my hope that a discussion of our efforts in this area will prove useful to others both for the general issues it can illuminate and for the specific strategies it may suggest.

SLAC's Archives and History Office

The Stanford Linear Accelerator Center is owned by the United States government, and is operated for the US Department of Energy by Stanford University. Its present-day mission is to design, construct and operate state-of-the-art electron accelerators and related experimental facilities for use in high-energy physics, particle astrophysics, and synchrotron radiation research. The idea for the construction of a two-mile linear accelerator at Stanford University was conceived in 1956 and authorized by the United States (US) Congress in 1961. Construction of SLAC began in July of 1962 and was completed February 10, 1966.

The SLAC Archives and History Office began its life in February 1986 as the "SLAC History Project," with a records survey in all administrative groups. Identification of important records was followed by creation and population of an inventory database for 500 separate records collections, and by the establishment of a physical archive of important records no longer needed for current business. The records survey was then followed up with an oral history program to gather information not fully documented in the available records. SLAC's History Project officially became the "SLAC Archives and History Office" (AHO) in 1989. The period 1993 to 1995 saw some growth in the program, but progress was hampered by loss of staff. After a year and a half hiatus, the Archives and History Office began a second growth spurt in mid 1996, when I was hired as permanent full-time archivist and, later that same year I hired a permanent halftime archives assistant, Laura O'Hara. We have a dedicated 2400-cubic-foot capacity temperature and humidity controlled archival storage area (completed in 1996), and an Archives Program Review Committee (established in 1999) comprised of internal and external stakeholders. The Review Committee advises SLAC management on the goals, policies, and activities of the AHO program.² By the end of calendar year 2002, the AHO had collected and at least partially processed over 1600 cubic feet of SLAC

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¹ Detailed history of the SLAC Archives program can be found in: Deken, Jean Marie. *Future Proof for Physics: Preserving the Record of SLAC*. SLAC-PUB-9686. April 2003.

² The program review committee meets biennially, and its reports are available online at http://www.slac.stanford.edu/history/progrev/charge.html.

historical records, and had accumulated a processing backlog of roughly equivalent proportions.

General Issues

This very brief sketch of the history of SLAC and its archival program's beginnings hints at one of the major problems we have encountered with processing, which is, that even at the beginning of our existence, we were already behind on our work. The organization had a thirty-year head start on us, so the Archives and History Office was born with a significant processing backlog. (It should be noted here that, because this is a mid-to late-twentieth century backlog, it is primarily in analog formats with paper and photographic prints and film predominating.)

Another major problem has been that the work of processing has tended to be completely invisible to the management of SLAC, or, when visible, has tended to be regarded as trivial. At times the prevailing opinion has seemed to be that the real work of the archives is accumulating the records and providing reference on them. In this view, once records are in custody they are, de facto, "reference-ready," requiring either no effort at all to arrange and describe them, or so little effort that it is hardly worth mentioning.

A third issue has been another prevailing opinion that can be summarized as "everything is electronic now, and that has solved all of the Archives problems." This opinion appears to have been widely held in the organization and was often expressed to me when I first came to SLAC in 1996. However, the intervening 7 years have seen the bursting of the Internet bubble, as well as some maturing of the no longer entirely novel digital age. These developments have been accompanied by the growing realization that all formats – even digital ones – have their strengths and weaknesses, and that every record, regardless of format, has to be stored in such a place and such a manner as to be preserved and retrievable for as long as necessary. The many major and minor repercussions of a 1997-1998 SLAC-wide platform migration from VM to UNIX³ have also played their part in the recent local decline of this particular point of view.

To deal with our large backlog as expeditiously as possible in a climate characterized by the issues I have just described, we have developed what I like to call an "incremental approach" to processing that is founded on two methods: "triage processing" and the "virtual sort."

Strategies of the Incremental Approach: Triage Processing

The triage, or ranked, approach to processing acknowledges that not all records in the backlog are of equal importance. Triage helps us to spend most of our processing time on the most important records.

³ VM Migration 9 April 1998. At: http://www.slac.stanford.edu/comp/vm/vmmigr.html (8/3/2003)

The first level of triage, or basic processing, is applied to all records. At this stage records are accessioned, and a skeletal entry is created on the archives' collections database, SLACARC. The skeletal entry consists of an accession number, a "short-title," a one-to-two sentence description, and an indication of whether the accession came with a folder list provided by the creating office, or needs to have a folder list generated by the archives. The "short title" of the accession follows the format: Division, Office, and Personal Name. Very basic holdings maintenance is also completed for this level of processing. Any 3-ring binders encountered are removed, highly acid folders are replaced and obviously non-archival materials are discarded. An accession that has been processed to the first level goes on a shelf in storage, and it may remain at the first processing level indefinitely. All fields of the SLACARC database entry for a first-level accession can be searched; so limited reference service can be immediately provided for these accessions.

The second level of triage, or secondary processing, is applied to records pulled in response to reference requests. As the accession is handled and reviewed in the course of researching and responding to a reference request, the database entry for it is opened and improved. Information added to an entry during secondary processing can include types of material contained in the accession, names of individuals who created or are the subject of the records, descriptions of projects or experiments documented, and key dates. At first blush this approach might seem to significantly lengthen our reference response time, but we have found that the time spent describing an accession as it is being reviewed for reference reasons—even when the information being collected and entered on the database has little or no bearing on the immediate reference request—ultimately saves time. This is because approximately 80% of our reference requests seem to involve only around 20% of our holdings, and, over time, the better we process the most-used 20% of our records, the more easily we are able to assist 80% of our reference clientele.

We also complete the secondary level of processing on collections for which I anticipate high reference interest in the near future. As significant anniversaries loom on the horizon – the 25th anniversary of colliding beams at SPEAR in 1997, the 10th anniversary of the SLAC World Wide Web site in 2001, and the 40th anniversary of the entire lab in 2002, for example – I have identified accessions in our holdings that are likely to document the history of these activities or facilities. We then attempt to complete secondary processing on the identified accessions so that, by the time interest generated by the approaching anniversary is beginning to rise, we have the secondary processing completed and are well-prepared to handle the increased incoming requests concerning those topics.

Our third level of triage, or high-level processing, is what is traditionally thought of as "archival processing." At this level, records are arranged and described in great detail and a guide to the collection containing the customary elements—a biographical sketch of the records creator, a scope and content note, series descriptions, and a container list—is prepared. In my seven years at SLAC, we have processed only two collections to this

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⁴ Three-ring binders use 1/3 more space than documents removed from binders, and most binders are too tall to fit properly into the Archives' storage containers.

level: a three cubic foot collection of documents relating to our web site⁵, and the 141 cubic foot first installment of the papers of our second Director, Burton Richter. The processing of both of these collections required extraordinary staffing and funding. We were able to secure SLAC Research Division funding for the high-level processing of our three cubic foot web site collection in conjunction with the 10th anniversary of our web site, which was the first site established outside of Europe.⁶ And, in 2000, we applied for and were awarded a processing grant of \$10,000 from the American Institute of Physics for work on the papers of Burton Richter, SLAC Director and Nobel Laureate.

Strategies of the Incremental Approach: The Virtual Sort

Dr. Burton Richter began his association with Stanford University in 1956, as a Research Associate in the High Energy Physics Laboratory on campus. Throughout his long—and still continuing! —career at Stanford, he has held the positions of Research Associate, Assistant Professor, Associate Professor, Professor, Technical Director, and Director. Along the way he has been awarded the Nobel Prize in Physics and the U.S. Department of Energy's E.O. Lawrence Award (both in 1976), has been elected to the National Academy of Sciences, a Fellow and later President of the American Physical Society, and President of the International Union of Pure and Applied Physics. In addition, he has served on the Stanford University Faculty Senate, and on various University committees. In the succession of positions that Dr. Richter has held on campus and at SLAC, he has had the support of various administrative personnel—numbering at times from less than one to two or more full-time staff—whose major interests and tasks it can be safely said almost never included maintaining the files.

From its very beginnings in 1986, the SLAC History Project, and later Archives and History Office, has provided records management services to the Directorate of SLAC, including Dr. Richter, the Laboratory Director, and the Associate Directors for SLAC's five Divisions. In the case of the Richter papers, this has meant that they have been retired to the archives when they were no longer needed for current business and as file storage capacity in the Director's office dictated. Accessioned in 68 separate increments over a period of 11 years, they document the entire range of his various activities and affiliations for the past 43 years. The combination of the low priority given to the systematic organization of Dr. Richter's files while they were active, their handling over long periods of time by many different office staff in various parts of the organization, and their retirement to the archives in what to us appeared to be random batches, has made processing the collection particularly challenging.

At the time we initiated the Richter Papers Processing Project in 1999, all of his accessions in the archives had been processed to the second triage level. This meant we

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⁵ SLAC Accession 00-072

⁶ Deken, Jean Marie. *First in the Web, but Where are the Pieces?* SLAC-PUB-7636, April 1998. See also: The Once and Future Web Symposium A symposium to be held on the occasion of the 10th anniversary of the first U.S. Web site at the Stanford Linear Accelerator Center December 3-4, 2001. (http://www-conf.slac.stanford.edu/webanniv// 8/12/03)

had a folder list for each accession, and, because of the cooperation of his office staff, many of the folder lists were available to us as electronic documents. Knowing that we had to maintain quality reference service on the papers even as they were being processed, I cast about for a method to work with them that would take as little space as possible, would involve physically relocating the records only once or twice, would maintain them in searchable (and find-able) order throughout the length of the project, and could be undertaken with the assistance of a rotating series of assistants of various skill levels.

The technique developed to accomplish these goals is one I have dubbed the "virtual sort." We began by relocating all 68 Richter accessions to contiguous storage space, and making note of the new locations. I then had our Project archives assistant Bill O'Hanlon (hired with the AIP grant money) copy all of the individual Richter accession inventories onto one spreadsheet database with separate fields for the current accession's date range, accession number, box number, folder number and file folder label. He saved a copy of this spreadsheet as a backup, and then added to the working copy fields for the new series number, new series name, new series folder number and folder date range that would be assigned to each existing folder during the virtual sort (Figure 1). He then printed out the entire database and arranged the pages in strips (like hanging wallpaper) along one whole range of shelving at the end of our stack area. This allowed those of us working on the project to review the list in its entirety, and to begin to formulate a plan for organizing the records into series and sub-series (Figure 2). Initially I had hoped that the series lists developed during an early 1990's project to process the papers of SLAC's first Director, W. K. H. Panofsky would be a useful guide for us, but Richter and Panofsky's career trajectories have been so different that the Panofsky guide was ultimately of little help. After I had developed a tentative series list, Bill applied that list to the database, and sorted all of the files—moving the entries on the database, and not the actual physical folders. He then printed the second sort according to the proposed series designations, and we analyzed whether the sort was sufficiently logical and complete. Of course, being a first effort, it was less than adequate, so we tweaked the series designations and tried again.

After several iterations of the virtual sort, we were quite satisfied that some of the series designations were correct, although we had specific questions or issues with others. At this point Bill was set to work converting the virtual sort into a physical sort for those series we had finalized, and Laura O'Hara and I continued our analysis of the other series. As we completed each series to our satisfaction, Bill printed out the lists in turn, pulled the folders from their original locations, and arranged them in new boxes in the new series order. Laura checked the pulls for accuracy and logical sequencing, and I provided a final review of the completed series. Questions and problems were flagged and resolved in consultation. In this fashion we worked our way through the entire collection over the course of 24 months. As we conducted the virtual sort, we did encounter evidence that at several times short-lived efforts had been made to systematically organize parts of Dr. Richter's papers. We used the forensic evidence of these various systems to assist us in the sort.

On a project of this size and complexity, it is easy to lose track of progress, and for this reason I kept a very detailed log of what had been accomplished, what remained to be done, and who was assigned to what tasks. I posted the log in our work area, where we all consulted it frequently. In the course of the project the information logged was refined and updated. The first version of the log (Figure 3) was fairly simple—perhaps demonstrating our innocent confidence in the relative manageability of the task at hand. By the end of the project, however, the log had grown in size and detail (Figure 4). Although somewhat intimidating when taken as a whole, the log helped us effectively segment this huge project into manageable increments, and then to track those increments from initiation to completion. As the months passed, the log helped us to move forward, and served as a visual reminder that progress was indeed being made.

Lessons of the Incremental Approach

Although the official project ended almost exactly one year ago, you may notice that our project log is not entirely complete. This is one of the realities of life in a small repository: projects are picked up and put down based on many factors, some internal and some external. I hope we will get back to the Richter project soon—and when we do, because of the log, I will know exactly what work remains to be done, and exactly which task should be next undertaken.

The AIP grant we received covered 6.5% of the costs of the Richter Papers Project, so far, but it was the most critical portion of our funding, because the grant was a catalyst for acquiring SLAC support and funding for the entire project. Outside recognition of the importance of the Richter papers, and outside support of and validation for their processing have been critical factors in raising lab support for the project and support for archival processing in general as a necessary and worthwhile activity. The advocacy of the Archives Program Review Committee has helped enormously as well. The Committee lends authority to the Archives goals, and its reports educate the laboratory community about our activities.

Planning and documentation have been critical to the success of our incremental approach to processing. Detailed planning has allowed us to segment processing into discrete tasks, for which we have subsequently requested funds and staff. Smaller projects are often easier to sell to management, and smaller budget increases—particularly if they are for one-time projects with well-stated goals and well-defined limits—are easier for our managers to approve. Detailed documentation has been created for every step of our incremental processing. We have needed to be very clear on procedures, and have taken pains to think through our methods and routines thoroughly, because the incremental tasks have been picked up and put down in mid-stride many times by many people. The down-side to this approach is that it requires repeated training of new staff: the up-sides are that throughout the life of a project we benefit from the vision of fresh eyes looking at familiar problems, and the documentation also assists the continuing staff in picking up projects and moving them forward after a hiatus.

We could not have contemplated our incremental approach to processing without the use of computers. Computer technology has been a key factor in the success of triage processing and of virtual sorting, and we anticipate adapting the "virtual sort" for use with strictly, or mostly electronic records collections. Technology has introduced multiple duplications into the virtual and physical environments: every desktop computer has a separate hard-drive for storage, many users have dedicated storage space on mainframe systems, and almost every desktop computer is connected to a printer. With all of the varied records creators, records formats and records storage locations, accompanied by an increasingly flattened administrative structure that has resulted in the handling of record-keeping by records creators themselves, we anticipate receiving and processing additional collections that will have come to us in a condition similar to—or even more fragmented than—that of the collection of papers I have just described. It is our hope that in the not-too-distant future, the virtual sort approach can be effectively utilized for the processing of these types of collections as well.

Acknowledgements

I wish to thank Kristine Kaske, Smithsonian National Air and Space Museum, for chairing the session, "Approaches to Processing: Finding Time and Funding," at the Society of American Archivists 2003 Annual Meeting. Thanks are also extended to Peter Harper, National Cataloging Unit for the Archives of Contemporary Science (UK) and R. Joseph Anderson, American Institute of Physics, for agreeing to present papers at that session. Bill O'Hanlon, Laura O'Hara, Pennington Ahlstrand, Kelly Chatwell, Brian Johnson, and Irene Sanchez have been, at various times, the Richter Papers Project staff, and I thank them for their creativity, diligence, and persistence. This work was supported by the US Department of Energy Contract No. DE-AC03-76F00515, and by a grant from the American Institute of Physics.

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Ī	2				1960-1975	92-064	4	1	Ombudsman - H & S 1972
	2				1960-1975	92-064	4	2	Subcommittee Research and Instruction 1975
	2				1960-1975	92-064	4	3	Subcommittee Research and Instruction 1975
	2				1960-1975	92-064	4		RDNA Earthquake Stds.
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	2				1960-1975		4		Richter RDNA
	2				1960-1975	92-064	4		DNA
	2				1960-1975	92-064	4	8	Fac. Disip.
	2				1960-1975		4	9	Academic Council 1970-71
	2				1960-1975	92-064	4	10	Academic Council 1970-71
	2				1960-1975		4		1974-75 Senate (con't)
	2				1960-1975		4		Senate Documents, Reports, Misc., Memos 1971-72
	2				1960-1975		4	13	Senate 1974-75 VII.
	2				1960-1975		4		VIth Senate 1973-74
	2				1960-1975		4		Vth Senate 1972-73
	2				1960-1975		4		CEC Subcom. on Res. and Instruction
	2				1960-1975		4		Academic Council 1966-67
	2				1960-1975		4		Academic Council 1967-68
	2				1960-1975		4	19	Academic Council Before 1966-67
2	2				1960-1975	92-064	4	20	Academic Council 1968-69

Figure 1: Richter Project Virtual Sort Spreadsheet



Figure 2: Richter Project Sorting "Wallpaper"

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		CHIVES AND HIST							
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	SERIES	STATUS							
		VIRTUAL SORT	PRINT LIST & PULL	SORT REVIEW			LIST & PULL	MAKE	REFOLDER,
_		to series level	IN SERIES ORDER	review virtual sort	assign sub-series	physical sort by	REVIEW		REBOX & SORT
7						subseries	flag corrections,	add in or delete	SUBSERIES
3		Bill O'Hanlon	ВО	Laura O'Hara	Laura O'Hara	LO &/or BO	Jean Deken	flagged folders	all staff
	1A.,	completed	completed	completed	completed	completed	completed	completed	completed 8/11/00
2	1B	completed	V	completed		- 7	1	ready	
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Figure 3: Richter Project Work Log (Version1)

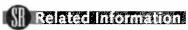
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Figure 4: Richter Papers Project Log (Final Version)





Stanford Report, January 23, 2002 A guide to faculty governance



SEARCH (go

NEWS

University Affairs Humanities Medical Center Sci/Tech Social Sciences

Business Teaching/Students @Work: staff news

PEOPLE

In Print & On Air **Obituaries** Awards On the Move

EVENTS

Today's Events **Upcoming Events** Recreation Academic Calendar

FOR THE RECORD

Faculty Senate Speeches **Crime Statistics** Ph.D. Orals

Honor Code Violations

OPINION

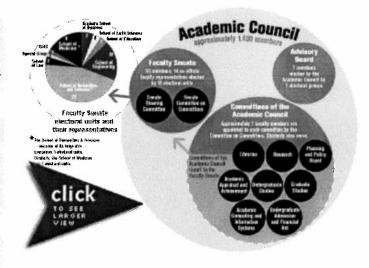
Essays Letters

When the modern incarnation of the Faculty Senate began 33 years ago, replacing the Executive Committee of the Academic Council, it gave faculty members a more effective way to participate in academic policy decisions. A complex web of committees, boards and panels also was created to support faculty participation in decision-making at the university.

"I think we could all use a clearer sense of university governance and where we fit in," said current Faculty Senate Chair John Rickford. "Most people don't even begin to think about the senate and Academic Council seriously until they get elected [to the senatel."



- Academic Secretary Susan Schofield to leave post in June after 'dazzling' sevenyear run advising Faculty Senate chairs
- Senate meets Thursday



Employment Housing Carpools

SPORTS

Latest Scores

CLASSIFIEDS Each of the 55 senate members represents one of 12 electoral units of the Academic Council. In most cases -- noted exceptions are the large schools of Medicine and Humanities and Sciences -- each school has one electoral unit. Senate seats are allocated based on a formula that takes into account the number of faculty members on the Academic Council and the number of students taught.

(II) Contact Stanford Report

The Academic Council consists of all members of the tenure line faculty and the non-tenure line faculty, as well as certain academic administrative officers and senior fellows at specified policy centers and institutes.

News Service /Press Releases

"We don't have a strong tradition of faculty members thinking of senate members as people who represent them, as they might a Congressperson," Rickford said of the elected senate representatives. "Of course, each senator's primary responsibility is to draw on his or her own wisdom and experience. But in my opinion, the work of the senate might be enhanced by better communication -- in both directions -- between senate members and other faculty in their department or larger unit."

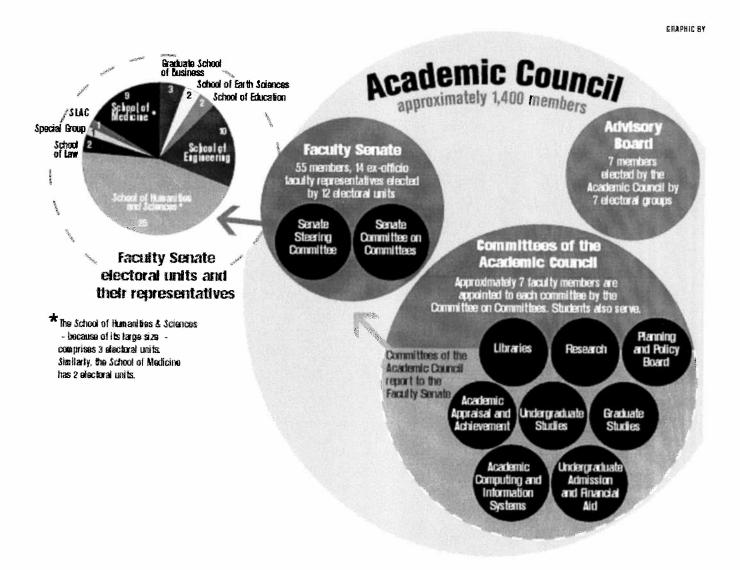
As soon as each year's senate members are elected, they must elect from within their own ranks the senate chair and members of the Senate Steering Committee (which in turn chooses members of the Senate Committee on Committees). While members of the Steering Committee will help set the agenda for the year, the Committee on Committees has a different task: selecting faculty members -- inside or outside the senate -- to serve on the Committees of the Academic Council. These committees also have student representatives nominated by the Associated Students. Their purpose is to investigate and give reports on important policy issues before presenting them to the senate for action. The standing Committees of the Academic Council are Academic Appraisal and Achievement; Academic Computing and Information Systems; Graduate Studies; Libraries; Research; Undergraduate Studies; Undergraduate Admission and Financial Aid; plus the Planning and Policy Board of the Senate.

Figuring out where the Steering Committee, Committee on Committees and the eight Committees of the Academic Council fall into place can be confusing enough, but the picture gets even more complex when considering the 10 University Committees and five Administrative Panels. These bodies, appointed by the university president, are composed of faculty, students and staff.

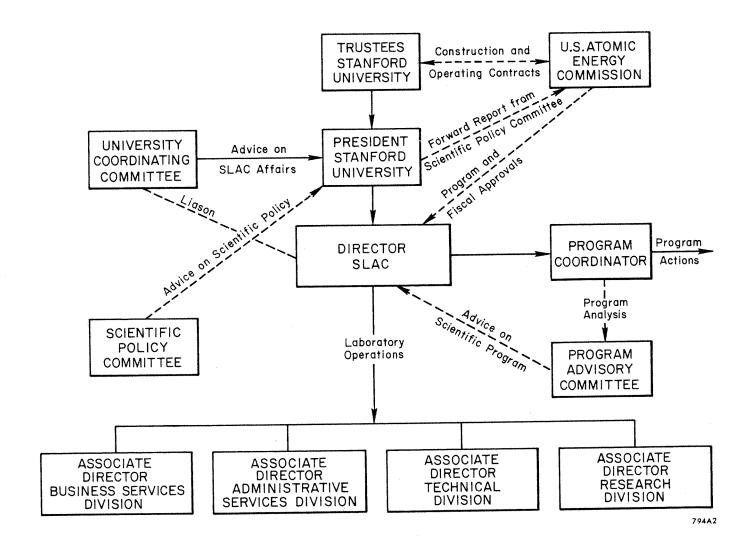
University Committees include Faculty and Staff Benefits; Health and Safety; Land and Building Development; Advisory Panel on Investment Responsibility; Editorial Board of Stanford University Press; KZSU Board of Directors; Public Events; Panel on Outdoor Art; Board of Judicial Affairs; and Athletics, Physical Education and Recreation. The Administrative Panels are Biosafety; Human Subjects in Medical Research; Human Subjects in Non-Medical Research; Laboratory Animal Care; and Radiological Safety.

Because the University Committees and Administrative Panels report to the president instead of the Faculty Senate, they are different from the Committees of the Academic Council. However, all of these groups put together the puzzle of faculty governance.





ADMINISTRATION





LAB Administrative L-13 BSD a. Legal Office L-14 Research Div. -b. Misc. L-2 Budget a. Administrative b. Theory a. Current year (by FY) b. Next year c. Exp. Groups d. Misc. c. Last d. Equipment L-15 Tech Div. e. AI/GPP f. Univ. Benefits & Overhead (SUOH) a. Administrative b. depts. 3-3 Directors Mtg. C. WAPA d. Misc. -4 Check-off Mtg. L-16 Long-range Plans - Publicity L-17 Misc. Committees SLAC and HEP Gen'1. L-18 Users -5 Computing Accelerator Use Policy L-19 -6 Space EXPERIMENTAL PROGRAM -7 SLUO EX-1 PEP - NPAC/NPAS a. TPC -9 SSRL b. 27 SSRL/SLAC relations C. MAC b. 6 GeV ring d. HRS c. Other e. DELCO f. ASP 10 SLAC Co-ord. Committee g. Mark II h. Other 11 Safety EX-2 LINAC a. Operating Safety Com. b. HEEC a. ESA c. Radiation/H. Phys b. Test Beams d. Earthquake c. Other e. Electrical f. Fire EX-3 SLC g. Other a. Mark II 12 SPC 1. Budg & schedule 2. Tech a. General 3. Misc b. Membership c. Minutes and Reports b. SLD d. Meeting backup (file for 1. Budg & schedule each meeting)

2. Tech 3. Misc

EX-4 EPAC

- a. Membership/Admin
 - b. minutes & Approvals
 - c. Meeting Backup (file for each mtg.)

EX-5 SPEAR

Exps. at Other Labs

- Crystal Ball
- b. Other

EX-7 Projects (current) Desk

- a. SLC/CEH LA Safety
- b. Large Linear Coll. (LLC)
- c. EGRET Calibration
- d. Advanced Computing
- e. Lasertron
- f. Mike's Motor
- a. '85 Contract Negotiations
- h. SSC California Site
- i. Laser Acceleration

CCELERATORS

AC-1 SLC

- a. Admin, Budg, Schedule
- b. Systems Managers Mtgs
- c. Misc (incl. publicity)
- d. Polarization
- e. Improvements

LINAC (incl SLED)

AC-3 SPEAR

1C-4 PEP

- a. Luminosity Upgrade
- Other

Advanced Acc. Projects

- a. Big Collider
- b. Accel. R&D (AARD)

C-6 Schedule

DOE

- DOE-1 Wallenmeyer/Leiss
- DOE-2 Lab Director's Mtgs (file for each)
- DOE-3 SLAC-SAN
- DOE-4 Site Office
- DOE-5 Directives
- DOE-6 Reports (incl monthly report to Wallenmeyer)
- DOE-7 Misc.

DC

- DC-1 Congress
- DC-2 OSTP
- DC-3 OMB
- DC-4 Other

US PROGRAM

- US-1 HEPAP
- US-2 FNAL
- US-3 Cornell
- US-4 BNL
- US-5 LBL
- US-6 <u>SSC</u>
 - a. Organization
 - b. Technical
 - c. Int'l
 - d. Misc.
- US-7 Universities
- US-8 Misc

FOREIGN

F-1 Int'l Agreements

- a. US/China
- b. US/Japan
- c. US/USSR
- d. Other

F-2 Summit

F-3 ICFA

F-4Europe

- a. CERN
- b. DESY
- c. Other
- Japan
- I-6.a "Modune F-6 China -

F-7Soviet Union

- a. Novosibirsk
 - b. Other
- F-8 Other Regions

GM Science Advisory Committee

BR PERSONAL

Travel Chron Files Bibliography etc...

Talk Files 83--

Invitations

Jason/Mitre Corp.

Consulting agreements Clearance

GENERAL Correspondence

People Files Letters of Rec.

PERSONNEL

Personnel A - L Personnel M - Z

P-10 Faculty

NIVERSITY

UN-1 Admin Council

UN-2 President & Provost UN-3 Research Policy

UN-4 Physics Dept.

JN-5 Trustees

JN-6 Old Docs.

JN-7 Misc.

ORGANIZATIONS & COMMITTEES

AAA/S Fed. of AM. Sci NY Academy of Sci Max Planck DESY/HERA LMAC APS Nominations Lincoln Lab.