

11/10/23
Engineering
Physics
Frederick Seitz Papers, 1948-64

Box 1: Acoustical Society - Am. Inst. of Physics: Correspondence, 1958

1. Acoustical Society of America, 1956-58
Seitz Chairman of Governing Board of American Institute of Physics; Dr. R. B. Lindsay (Dean, Graduate School, Brown U.).
2. College of Engineering: Aerospace Committee, 1961-63
interdisciplinary project of research and graduate studies in space-related sciences by University of Illinois and NASA; "Proposal for the Development of an Aerospace Science Lab."
3. AFOSR - Solid State Sciences Advisory Panel #1, 1958-62
minutes - publications; Seitz advisor; administrative and financial procedures; Seitz contract #49(638)-528 "Properties of Insulating and Conducting Solids"; Seitz president of the Physical Society; Dr. Max Swerdlow.
4. Air Research and Development Command, 1952-61
1952-54
European conferences attended in support of Air Force research program; Seitz' views on full-time governmental employment; basic research on the photographic process at University of Illinois; Seitz' contract AF18(600)-783; European Office reports.
1954-58
Seitz' comments on policies and procedures of AFOSR; **contract** AF18(600)783 (1956-58); Seitz' proposal evaluations.
1958-61
University of Illinois proposal regarding data processing in high energy physics; Armed Services Technical Information Agency (ASTIA) reports; comments concerning restricted meetings; contract lists; U. of Illinois proposal to purchase scientific equipment; list of Air Force research projects abroad; American Institute of Aeronautics and Astronautics; Goddard Award Nomination.
5. American Institute of Electrical Engineers, 1949-51
6. American Institute of Physics (AIP), 1954-62
1954-55:
Director's reports; committee and appointee lists; annual reports; financial statements; grants; Seitz chairman of Governing Board; Seitz' comments on radiation effects on life and soviet science; reports; Seitz to Pres. Dwight D. Eisenhower (1954) regarding Appley report "Manpower Resources for National Security" and Sherman Adams' rejoinder.
1955
Soviet Physics journal; Health Physics Society and American Nuclear Society affiliation (with AIP).
1956
retirement pension plan; salary policies for AIP personnel; affiliation petitions problems; constitution; Dr. L. A. Dubridge, President, Cal Tech; operational and procedural difficulties; appeal for housing funds; membership requests; Dr. Leonard Loeb's criticism of AIP.
1957
photographs of Governing Board; history, organization, procedures of Institute; publication difficulties; fund applications; Elmer Hutchisson, Director; Visiting Scientist Program; ceremony dedicating new AIP building attended by Prince Philip of England; discussion of Institute operations; correspondence between Hutchisson and H. H. Humphrey (U.S. Senator) regarding science education.

1958

AIP statement on proposed U.S. Department of Science and Technology; Hutchisson comments on manpower problems.

Box 2: American Institute of Physics: Correspondence, 1959 - Am. Inst of Physics: Reorganization of Journals

American Institute of Physics: Correspondence, 1954-62 continued

1959-60

Heineman Prize in mathematical physics established; Seitz succeeded by Ralph A. Sawyer as Chairman of Governing Board.

1961-62

rules; circulation problems; Dr. Jerome B. Wiesner (Assistant to the President for Science and Technology).

7. American Institute of Physics, **Minutes of Meetings, Jan. 1954 - Jan. 1964**
five folder containing photograph of Governing Board - Seitz chairman, 1954; executive committee minutes, agenda, letters, reports; committee reports, AIP publications, professional meetings.
8. American Institute of Physics: Admission of Society of Exploration Geophysicists, 1956
correspondence regarding conflict between AIP and the American Physical Society concerning the admission of the Society of Exploration Geophysicists.
9. American Institute of Physics - Appointment of Director, 1957
Elmer Hutchisson (Case Institute of Technology) elected.
10. American Institute of Physics: Committee, Relationship to Member Societies, 1956-57
committee correspondence and reports
11. Committee for Publishing Problems in Physics - AIP, 1956-58
minutes of meetings and reports
12. Constitution and By-Laws - AIP, 1946-58
13. Corporate Associates - AIP, 1958-60
AIP Advisory Committee on Corporate Associates; annual meeting reports; list of corporate associates.
14. AIP - Journal of Applied Physics, 1957-58
controversy concerning proposed publication of Joseph Slepian manuscript.
15. AIP - Journal of Mathematical Physics, 1956-59
correspondence regarding the evolution and editorship of the Journal.
16. AIP - Memorial Awards, 1956-61
"Prince Philip at the AIP" (1957); Seitz to Pres. Dwight D. Eisenhower regarding the dedication of the new AIP headquarters; newspaper clippings; Paul Rosband; Karl Darrow.
17. Oppenheimer Case, 1954
Seitz' criticism of security procedures; Hugh S. Knowles; proposed statements of AIP and American Physical Society.
18. AIP - Planning Committee - Physics of Fluids, 1956-57
Dr. F. N. Frankiel (Johns Hopkins) chairman and editor of The Physics of Fluids;
minutes of meetings.
19. AIP - Reorganization of Journals
opinions of physicists on proposed combination of solid state physics and chemical physics in the Journal of Chemical Physics; Leonard I. Schiff's proposal for a new journal of mathematical physics.

Box 3: Am. Inst. of Physics: Financial Statements - American Physical Society

20. AIP - Statements of Income and Expense (AIP Translation Survey), 1953-64
21. AIP - Subscriptions to Development Fund, 1956-58

- weekly reports on membership and cumulative reports on industry; Paul E. Klopsteg (chairman, D.F. Drive) criticism.
22. AIP - Technical Advisory Committee, 1954-59
T.A.C. to the Bureau of Standards - Seitz, chairman; reports; Seitz to Sinclair Weeks (Secretary of Commerce) accepting position on Statutory Visiting Committee for the National Bureau of Standards.
 23. AIP - 25th Anniversary Meeting, 1955-56
Correspondence between Seitz and scheduled speakers: J. Robert Oppenheimer, H. B. G. Casimir and J.A. Stratton.
 24. American Physical Society - Correspondence, 1952-65
five folders including Eugene P. Wigner, President; "Radiation Effects in Solids" by Seitz; officer nominations; committee reports; Karl K. Darrow. Secretary; Buckley Prize; APS-AIP policy dispute; Jerome B. Wiesner; Seitz numerous official appointments, including President (1961); agendas, committee reports; APS prizes; policy regarding visiting Russian scientists.
 25. American Physical Society: Committee on Character of APS Meetings, 1958-63
George G. Uhlenbeck (Michigan) chairman; reorganization proposals; meeting arrangements; F. W. Loomis (Illinois) chairman of committee to revise constitution and by-laws.
 26. APS - Council Meeting Minutes, 1955-63
 27. APS - Division of Electron Physics, 1949-61
Seitz member; meeting reports.
 28. APS - Division of High Polymer Physics, 1961-62
publications; APS High Polymer award.
 29. APS - Division of Solid State Physics, 1954-64
membership list; Executive Committee minutes and reports; Seitz Vice President (1960).
 30. APS - Finance Committee, 1953-61
auditor's reports; committee reports.
 31. APS - Memoranda to Council Members
notices, minutes, agendas, reports, proposals.
 32. APS - Wheeler Project, 1961-62
project for a history of theoretical physics in the twentieth century; Seitz member of joint committee of APS and American Philosophical Society; Thomas S. Kuhn (U. of California) **director of project, director's reports.**

Box 4: Argonne - Atoms for Peace

33. Argonne National Laboratory: Correspondence, 1951-63
patent rights, Seitz efforts to unify the work of Midwest physicists in the field of high energy physics (MURA); Council of Participating Institutions' meeting reports; Albert V. Crewe, Director.
34. Argonne - Locked Safe, 1949-62
35. Argonne - Policy Advisory Board, 1958-63
four folders; Seitz member; reports, agendas, minutes, lists of members; budgetary problems; committee reports; Atomic Energy Commission Authorizing Legislation.
36. Argonne - University of Illinois Report on Irradiations, 1951-54
list of publications resulting from service irradiations performed by Argonne.
37. Aspen Institute, 1961-63
Aspen Institute of Theoretical Physics - Seitz member of Advisory Committee.
38. Atomic Energy Commission: Correspondence - two folders, 1949-62
publications; Seitz member of Reactor Safeguard Committee; declassification problems; Russian scientists; Seitz' paper "Materials Development"; patents; Seitz discussion of the nuclear and high energy physics program at the University of

- Illinois; Seitz' comments on U.S. physics policies.
39. Atomic Energy Commission: Materials Branch, 1959-62
Material Research Laboratory at the University of Illinois: correspondence, publications, contract proposals; Donald K. Stevens; Dale Compton.
 40. Atomic Energy Commission: Security Access Permit Holders, 1957-60
security access permits and procedure publications.
 41. Atomics International: Personal Contracts, 1958-61
contract #58AT-8069 (1958-60), Seitz consultant to North American Aviation, Inc.
 42. Army, Department of - Office of Ordnance Research, 1951-61
Seitz, Regional Concealer and member of Senior Scientific Steering Group; U. of Illinois councilor-service research contract (1952); list of new proposals and renewals (1952); correspondence regarding support of non-citizens in OOR basic research programs; Thomas J. Killian.
 43. Atoms for Peace Awards: Correspondence, 1957-59
concerning Niels Bohr (1957); award ceremonies.

Box 5: Chanute Air Force Base - Dept. of Defense: Defense Science Board, 1961

44. Chanute Air Force Base, 1958-59
training program at U. of Illinois for Air Force personnel in preparation for space technology.
45. Civil Defense Office - State of Illinois, 1951
publications; Stoddard to Seitz nominating Seitz for appointment to the Governor's Committee on Civilian Defense; Adlai Stevenson to Seitz confirming the appointment.
46. Conferences - four folders
"Analysis of Geneva Conference on Atomic Energy" (1955) by Seitz; Seitz' publications; Geneva Conference (1958); Union Internationale de Physique Pure et Appliquee" (1960); President's Special Faculty Conference (U. of Illinois, 1961); Pugwash conferences - controversy regarding Sen. Thomas Dodd's criticism of first five conferences; Pugwash Continuing Committee publications; International Summer School of Solid State Physics (1963), Belgium.
47. Convair - Miscellaneous Correspondence, 1955-62
Seitz consultant (1955-61).
48. Cooperative Facility for Education in Nuclear Engineering, 1955
"Proposal for a Cooperative Facility for Education in Nuclear Engineering"
49. Coordinated Sciences Laboratory, 1951-61
Louis Ridenour to Abraham Taub (Jan. 6, 1951) regarding proposed armed services control and computer systems contract (#DA-11-022-Ord-721); CSL reports; automatic air traffic monitoring and control system for Naval applications; Seitz - Technical Director (1951-57), consultant (1957-).
50. CSL Executive Committee Meetings (minutes), 1951-61
51. Department of Defense (two folders), 1953-62
Seitz member of Advisory Panel on General Sciences (1954-); Seitz' comments on Defense Department and Office of Naval Research; publications; Charles S. Weaver; joint DOD-ONR program in nuclear and high-energy physics; Advisory Panel reports; Seitz member of NATO Review Team; list of Seitz' employment positions and financial interests (1962); Inter-Disciplinary Laboratories.
52. Department of Defense: Advanced Research Projects Agency, 1959-62
Materials Research Laboratories; Seitz to J. P. Ruina (Director) regarding DOD-university relations; meeting of ARPA schools at Northwestern (12/11-12/62).
53. Department of Defense: Defense Science Board (three folders), 1957-61

Seitz, Vice Chairman (1961); publications, meeting reports, minutes; H.P. Robertson; in-house laboratories.

Box 6: Dept. of Defense: Defense Science Board, 1963 - E. I. DuPont

54. Department of Defense: Defense Science Board (three folders), 1961-63
Inter-Disciplinary Laboratories (IDL) financial problems; Seitz to H. P. Robertson (DSB) regarding weapons production; "Public Scientific Advisory Board of the Department of Defense"; Defense Laboratory progress reports; C. C. Furnas; conflict of interest problems; Lawson McKenzie; Seitz' letter of resignation as Vice Chairman to Robert S. McNamara (U.S. Secretary of Defense) and reply by McNamara.
55. DOD - Advisory Panel on General Sciences (three folders), 1953-61
Seitz' manuscript on Nuclear and Solid State Physics (1954); nuclear physics research contracts (1955); Advisory Panel meeting reports and minutes; Seitz to George D. Lukes (Secretary, APGS) recommending additional research in high energy nuclear physics; subsequent proposal for Department of Defense budget expansion (1955); Seitz to Earl G. Droessler (Secretary, APGS) assessing the U.S. situation concerning requests for high magnetic fields.
56. DOD - Advisory Panel on General Sciences: Minutes, 1954-61
57. Department of Defense: Advisory Panel on General Sciences, Steering Group, 1957-59
Seitz member; meeting reports; publications; agendas.
58. DOD: Advisory Panel on General Sciences - Travel, 1954-61
travel forms, procedures, voucher records.
59. DOD: Technical Advisory Panel on Electronics
memoranda; "Report of AD hoc group on Basic Research in Electronics"; annual reports.
60. E. I. du Pont: Correspondence (four folders), 1947-62
Seitz' consultation correspondent; conference reports; C. M. Olson (Pigments Dept.); R. M. Joyce (Chemical Dept.); financial records; Seitz' European trip (1956); Seitz to D. M. McQueen (Director of Research) commenting on du Pont's policies for attracting outstanding physicists; 1962 du Pont grant to University of Illinois.

Box 7: Emergency Comm. of Atomic Scientists - Motorola

61. Emergency Committee of Atomic Scientists, 1949-51
Seitz' file as member of ECAS, Inc.; meeting after announcement of the Russian atomic bomb explosion (1949) to discuss American atomic research; Joseph E. Mayer to Seitz criticizing Atomic Energy Commission policies (1950); minutes; Harrison Brown's telegram to Seitz requesting urgent meeting of ECAS, Inc., to discuss the Russian explosion.
62. General Atomic, 1951-62
G. A. Division of General Dynamics; E. C. Cruetz (Director of Research); publications; newspaper clipping regarding resignation of Donald W. Kerst (University of Illinois); press releases; 1961 fellowship to University of Illinois; Seitz' consultations concerning cryogenics and tellurium.
63. Graduate Research Center, 1963
Seitz member of Advisory Council; proceedings; publications.
64. Hazeltine Corporation, 1951
Seitz' consultation regarding patent application on highly purified germanium crystal rectifiers; Seitz affidavit.
65. Hughes Aircraft Company, 1951-60
66. Industrial College of the Armed Forces
Seitz member of Board of Advisers; photograph and biographical sketch of Seitz in

- "Biographies of the Board of Advisers"; publications; Vice-Admiral Rufus E. Rose, USN.
67. International Union - Pure and Applied Physics (four folders), 1952-63
Seitz and John Bardeen members of U.S.A. Commission VII of the URSI (1952); Seitz to W. W. Atwood referring to the membership of the communist nations in the Union of Pure and Applied Physics; meeting reports; question of East-West German cooperation; General Assembly reports; P. Fluery (Secretary-General) correspondence; Seitz and H. H. Nielsen (Vice Presidents, IUPAP); Seitz (Chairman), J. H. Van Vleck (Vice Chairman) and Nielson (Secretary Treasurer), officers of U.S. National Commission; Seitz member of Commission on Solid State Physics.
 68. Kennecott Copper Corporation: Personal Contracts, 1960-63
Seitz' materials research and recruiting; consultation regarding new research center.
 69. Los Alamos Scientific Laboratory, 1950-61
correspondence between Seitz and Norris Bradbury (Director) concerning job offer to Seitz (1952); BaO research - John R. Reitz; military research at the University of Illinois (aids for tactical warfare); J. Carson Mark.
 70. Los Alamos - Personal Contracts, 1949-64
 71. Midwestern University Research Association (three folders), 1955-63
MURA correspondence, newsletters and quarterly and special reports on staffing; relations with Argonne National Laboratory, the Atomic Energy Commission and university presidents; controversy resulting from the withdrawal of AEC support; staff survey of Illinois program possibilities in high energy physics (10/58); accelerator construction proposals and site considerations.
 72. MURA - High Energy Facility Proposal, 4/56
 73. MURA - High Energy Facility Proposal, 3/58
 74. Motorola Incorporated, 1953-62

Box 8: Natl. Academy of Sciences: Business Sessions - Comm. on Perspectives in Materials Research

75. National Academy of Sciences; Business Sessions, 1952-61
minutes, agenda, committee reports.
76. NAS - National Research Council: Meetings, 1957-61
NAS minutes of council meetings, agendas, circulars, National Research Council meeting minutes.
77. NAS: Division of Physical Sciences (two folders), 1953-62
Seitz Chairman (1961-62); reports, agendas; "Directory of the Division of Physical Sciences:" Seitz vita and publications; committee on New Frontiers of Technology - reports.
78. NAS - National Research Council Fellowships, 1949-61
Seitz member of RCA Fellowship Board (1949), chairman (1951).
79. NAS - Governing Board Meetings (five folders), 1957-62
agendas; minutes; resolutions and proposals.
80. NAS - Proposals for Nomination, 1952-60
character sketches and lists of publications of physicists nominated for NAS membership; proposals.
81. NAS: Committee on Perspectives in Materials Research, 1958-60
Seitz chairman (1958-59); correspondence between Seitz and J. R. Killian (Science Advisor to the President) regarding proposed research institute in the field of materials; committee correspondence and reports.

Box 9: Natl. Academy of Science: Comm. on Scope of Materials Research - National Bureau of Standards

82. National Academy of Science: Comm on Scope of Materials Research (two folders), 1959
Clyde Williams, President; committee correspondence and reports; Seitz to Williams commenting on final report, "New and Improved Materials for National Security in the Space Age".
83. National Academy of Science - Reports of Miscellaneous Nature, 1958-61
84. NAS - Space Science Program, 1961, 1963
publications - reports; Homer E. Newell.
85. NAS - Woods Hole Summer Study, 1958
Study to assist the Air Force in the preparation of a long-range program of research and development; Seitz and E. Bright Wilson, co-chairmen, Committee VIII, dealing with general sciences; Seitz to C. G. Suits (General Electric Co.) regarding industrial research.
86. NAS Correspondence (six folders), 1949-64
RCA Fellowships; R. C. Gibbs, Chairman; Seitz' proposal evaluations; Detlev V. Bronk, President; NRC - Ordinance Advisory Committee - Seitz and John Bardeen; NAS membership recommendations; White House report regarding NAS's Committee on Loyalty - Sherman Adams to Bronk regarding report (1956); Seitz elected to Council (1957); Seitz to Bronk concerning the effects of Russian science advances on American scientists; news release concerning Seitz' election to presidency; D. D. Henry to Bronk discussing Seitz' salary; Frederick Sargent, II, M.D. (University of Illinois - physiology); foreign exchange programs; Seitz' lectures.
87. National Bureau of Standards - Miscellaneous Correspondence, 1949-63
AIP - NBS Technical Advisory Committee - Seitz Chairman.
88. NBS: Helium Vapor - Pressure Scale Committee, 1955
F. G. Brickwedde, Chairman; Seitz member.
89. NBS - Radiation Protection Committee, 1958-60
Seitz member; Hymer Friedell, Chairman; report.
90. NBS - Visiting Committee, 1961-62
Mervin J. Kelly; Seitz member; charts, minutes, agendas; reports to Luther H. Hodges (Secretary of Commerce).

Box 10: National Science Foundation - Navy: Naval Research Advisory Committee: Correspondence, 1951-59

91. National Science Foundation: Miscellaneous Correspondence (four folders), 1952-63
Seitz member of Advisory Panel; research grants; personnel recommendations; conference support; accelerators; publications; NSF-617428 to John D. Jackson (University of Illinois), 1961-64; NSF-619735 to F. Seitz, 1961-63; Seitz to W. L. Everitt (Dean, Civil Engineering, University of Illinois) regarding the Materials Research Laboratory; NSF-620303 to Robert J. Maurer, 1961-63; NSF-620304 to John C. Wheatley, 1961-63; Seitz' remarks on solid state science before House Appropriations Subcommittee on Independent Offices (1962); NSF-622568 to James S. Koehler, 1962-64; NSF-623464 to Felix T. Adler, 1962-63; NSF-623199 to G. H. Almy, 1962-62; GP-818 to Adler, 1962-64; GP-1069 to Marvin E. Wyman, 1963-65; GP-1100 to Donald M. Ginsberg, 1963-65.
92. NSF - Brussels Exhibition of 1958, 1956-59
U.S. Advisory Committee for the Crystal Class - Seitz Co-Chairman; minutes, reports, fact book; correspondence between Seitz and W. Dekeyser (University of Ghent) regarding solid state physics arrangements.
93. NSF - Math, Physics, Engineering Sciences Division (two folders), 1952-63
minutes, agendas and committee reports; annual and budget reports; photograph of M.P.E.S. Divisional Committee.

- 94. NSF - Proposals Submitted for Appraisal (two folders), 1952-63
Seitz' research proposal evaluations.
- 95. Navy - Miscellaneous Correspondence, 1955-64
"Trends and Stimulation in Solid State Science" by Seitz; Seitz to James H. Wakelin (Assistant Secretary of the Navy) regarding the Department of Defense requirements in the fields of high energy and nuclear physics.
- 96. Navy - Naval Research Advisory Committee: Correspondence (four folders), 1951-59
J. A. Stratton, Chairman; Lawson M. McKenzie (Office of Naval Research - Executive Director; memoranda, agendas, reports minutes, publications; reports on accelerators and budgets by Seitz; Stratton; photograph of Seitz.

Box 11: Navy - Naval Research Advisory Committee Correspondence, 1960-63 - Reference Material

- 97. Navy - Naval Research Advisory Committee: Correspondence (four folders), 1960-63
Seitz Chairman (1960-1962); James H. Wakelin; reorganization of naval research - Poseidon Report (1961); meeting of NRAC in London (1961).
- 98. Navy - Naval Research Advisory Committee: Agenda of Meetings, 1946-63
- 99. Navy - Naval Research Advisory Committee: Minutes of Meeting (two folders), 1947-59
- 100. Navy - Office of Naval Research: Correspondence (three folders), 1949-62
Seitz Chairman of Advisory Committee on Solid State Physics (1950-); ONR conversion to military research (1950); L. M. McKenzie; Wayne R. Gruner; G. M. Almy to William E. Wright (ONR) regarding research in nuclear physics at the University of Illinois (1956); High Energy Physics Panel (1956); research proposal evaluations; University Of Illinois proposal, "Program in Elementary Particle Physics" (1959); correspondence between Almy, Seitz and Wright concerning supplementary Atomic Energy Commission support in particle physics at the University of Illinois; list of ONR contracts; N6ori-07131, NR017413 (1951-58).
- 101. Navy - Travel Accounts, 1949-62
- 102. Navy - Naval Research Lab - Selection of Director, 1955-57
E. O. Hubert replaced by Oscar T. Marzlee.
- 103. Navy - On-Site Survey, Key West Naval Base, 1957-58
Seitz' visit (1958); questionnaire.
- 104. Navy - Naval Research Advisory Committee: Reference Material, 19 -56

Box 12: Navy - Office of Naval Research: Solid State Science Advisory Panel - Thompson

- 105. Navy - Office of Naval Research: Solid State Science Advisory Panel, 1948-60
Seitz and L. M. McKenzie co-founders and co-chairmen (1948-63); reports; Seitz to F. B. Isakson (ONR) describing functions and organization of Solid State Sciences Advisory Panel; Seitz to L. A. Dubridge (Cal. Tech.) opposing prospective National Science Foundation cutbacks to service agencies; Seitz paper on nuclear and solid state physics; committee on thermoelectric power conversion.
- 106. North American Aviation, 1950-58
Seitz consultant; Sidney Siegel (Assistant Manager); correspondence between Seitz and J. A. Brinckman regarding radiation effects in metals.
- 107. NATO - Correspondence (two folders), 1958-62
committee reports; publications; anti-submarine warfare research center at La Spezia, Italy; miscellaneous correspondence regarding Seitz' acceptance of position as Science Advisor - appointment problems; Sen. Henry M. Jackson to Seitz with respect to NATO Parliamentarians' conference reports on the NATO Science Program; Sir Solly Zuckerman; visit to Madrid; William A. Nierenberg, successor (1961); Seitz to David Z. Beckler (White House Science Assistant) concerning attempts to coordinate a space program under NATO; Advisory

- Group for Aeronautical Research and Development (AGARD).
108. Oak Ridge National Laboratory, 1949-63
Seitz consultant to Union Carbide Nuclear Co. (Oak Ridge National Lab.); Seitz offered Oak Ridge position (1950); T. H. Blewitt; D. S. Billington; Alvin Weinberg.
 109. Office of Aerospace Research Advisory Committee, 1963
Seitz member of OAR Scientific Advisory Group and Board of Visitors of the Aeronautical Research Laboratories; "Civilian Personnel Packet"; Joseph Kaplan; draft of proceedings.
 110. Radiation Lab - University of California - Personal Consultant, 1948-59
 111. Rand Corporation - Personal Contracts, 1954-58
High-Speed Impact Symposium - Seitz chairman of metallurgy session.
 112. John Scott Award - Miscellaneous Correspondence, 1954-55
award for outstanding inventions; correspondence between Seitz and J. W. Iliff (Secretary , Advisory Committee on the John Scott Award) regarding proposed award candidates.
 113. Sloan Foundation - Correspondence (three folders), 1955-63
Sloan Foundation - finance for basic research with physical sciences for outstanding young scientists; Seitz member of Program Committee, Arthur C. Cope - Chairman; response to letters sent out inviting comments on the program and nomination of individuals; correspondence between Seitz and Richard T. Arnold (Program Administrator) concerning development of the program; policy statements; lists of grants and grantees; report to the trustees (1960); candidates for awards at the Sloan Foundation.
 114. Sloan Foundation - Program Committee (two folders), 1955-60
award nominees vitae; recommendations; agendas, minutes and memoranda.
 115. Stanford Research Institute - Miscellaneous Correspondence, 1956-60
Seitz consultant; Donald L. Benedict (Director of Physical Sciences Research).
 116. Department of State - Miscellaneous Correspondence, 1957-61
NATO application processing and salary compensation.
 117. Technical Operations, INC. - Personal Contracts, 1958-59
Seitz consultant.
 118. Texas Instruments, 1961-63
patent case, Sperry Rand v. Texas Instruments - Seitz possible expert witness.
 119. Thompson Ramo Wooldridge - Miscellaneous Correspondence, 1954-61
Seitz consultant on basic research in matters pertaining to the Control Systems Laboratory, 1954-56.

Box 13: U.S.S.R. - Miscellaneous Correspondence

120. U.S.S.R. - Miscellaneous Correspondence, 1959
121. United Aircraft - Correspondence (four folders), 1959-63
Seitz chairman of the Research Scientific Advisory Committee; agendas, minutes and photograph; John G. Lee (Director of Research); Seitz' paper on research policy of industrial organization; Erle Martin (Vice President, United Aircraft Corp.); UAC Research Lab. reports; criticism of consultant policies.
122. United Aircraft Corporation - Meetings, 1961-63
memorandum to members of Research Scientific Executive Committee outlining UAC policy regarding superior engineering talent; "Status Report" on research laboratories.
123. Unites Nuclear Corporation (Former NDA), 1950-61
Seitz stockholder.
124. University of California - Miller Institute, 1964
Seitz member of Advisory Board of the institute for Basic Research on Science; applications for Miller Institute research professorship; minutes of meetings.

125. University of Chicago - Miscellaneous Correspondence, 1950-61
round table discussion of hydrogen bomb (1950); Institute for the Study of Metals; Seitz consultant.
126. Westinghouse - Miscellaneous Correspondence, 1950-61
Conference on Irradiation Effects (1951); Uranium Alloy Panel - Seitz consultant (1953-56).
127. Woods Hole Oceanographic Institute - Correspondence, 1960-63
Seitz member of Corporation; meeting reports; photograph of new laboratory building.
128. Yale University - Miscellaneous Correspondence, 1954-61
correspondence regarding professorship offer to Seitz.
129. Miscellaneous Correspondence (four folders), 1954-65
Seitz affidavit on behalf of Everett Gorin, accused of communist activities (1955); Japanese physicists' appeal to British physicists against H-bomb testing; Seitz to Linus Pauling giving reasons for refusing to sign Pauling's appeal to stop nuclear bomb testing; correspondence between J. C. W. Wheatley, Seitz and N. Cabrera (Universidad Central de Venezuela) regarding University of Illinois technical cooperation with Latin America; manuscripts; Seitz to Daniel Alpert on the need for a ceiling on federal spending for technology; Robert Thompson to Seitz criticizing Office of Scientific Research policies and personnel.

Box 14:

130. Academy "Thank you" notes (two folders), 1962
Seitz elected to National Academy of Sciences, 4/24/62; newspaper clippings.

Box 15: Personal Correspondence, A-G, 1949-64

General personal correspondence of Dr. Seitz with physicists and science administrators concerning solid state physics, research projects, materials, positions, publications, lectures, meetings, travel and national science policy.

Aigrain, Pierre
Alger, R.S.
Amelincky, S.
Apker, Leroy
Audrieth, Ludwig F.
Bacher, Robert
Balluffi, R.
Bassani, France
Beams, J.W.
Beeman, W.W.
Bell, M.E.
Bennemann, K.H.
Bernadini, G.
Berg, Owe
Birge, R.T.
Bjorken, J.
Blatt, F.J.
Bleakney, Walter
Bleuler, Konrad
Boas, Walter
Boelter, L.M.K.
Borelius, G.

Boros, J.
Bowhill, Sidney A.
Bozorth, R.M.
Brattain, Robert
Brattain, Walter
Breckenridge, R.G.
Brooks, Harvey
Buchsbaum, S.J.
Buckle, H.
Burgers, W.G.
Burstein, Elais
Busch, G.A.
Carins, Robert W.
Casella, Russell
Castellan, Gil
Cauchais, Y.
Chew, Geoffrey
Chiarotti, G.
Chipman, John
Clark, John C.
Cohen, Morris
Conanct, James B.

Condon, E.U.
 Cook, Richard K.
 Correa DaSilva, L.
 Cottrell, A.H.
 Currie, Lauchlin
 Dancoff, Sidney M.
 Dasgupta, Sri A.P.
 Dautreppe, D.
 Davis, Nuel
 DeBretteville, A.
 Dehlinger, U.
 deHoffman, Frederick
 Dekeyser, W.
 Sexter, David L.
 Dienes, G.J.
 Duerig, William
 Dugas, Claude
 Ehrenreich, Henry
 Ellett, Alexander
 Ellwood, E.C.
 Elsasser, Walter
 Engel, N.N.
 Erginsoy, David
 Eshelby, J.D.
 Esterman, I.
 Feld, Bernard
 Fiedler, Fred E.
 Fields, W.H.
 Fish, J.B.
 Fisher, John C.
 Franchetti, S.
 Frank, Charles
 Friedel, Jacques
 Frolich, H.
 Fuchs, Ronald
 Fujiwara, Takeo
 Fumi, Fausto
 Fusfeld, H.I.
 Gagge, A.P.
 Gaither, H.R.
 Gershinowitz, H.
 Getting, Ivan
 Gibbs, Peter
 Goertzel, G.H.
 Goldemberg, Jose
 Granicher, H.
 Green, Alex E.
 Greisen, Kenneth
 Guinier, Andre

Box 16: Personal Correspondence,
 H-Pio, 1949-64

Hancox, R.R.

Harrison, George R.
 Harrison, Walter A.
 Harwood, Julius J. - Ford Motor Co.
 Hauffe, K.
 Hebb, Jalcolm
 Heller, William
 Helm, O.W.
 Henry, Louis
 Herman, Frank
 Herring, Conyers
 Hibi, Tadatosi
 Hicks, Victor
 Hilsch, R.
 Hirschfelder, J.
 Hofstader, Robert
 Holmes, D.K.
 Holscher, H.H.
 Howe, John P.
 Huntington, H.H.
 Inchauspe, Nicholas
 Inui, Teturo
 Jackson, J.G.
 James, H.M.
 Jensen, Erling
 Jentschke, W.
 Johnson, Ralph P.
 Jongenburger, P.J.
 Justice, James O.
 Kansaki, Hiroshi
 Katz, Ernst
 Kawamura, Hazimu
 Kaya, Seiji
 Kerst, D.W.
 Killian, Thomas J.
 Kingston, W.E.
 Kip, Arthur F.
 Kittel, Charles
 Klick, Clifford
 Knipp, Julian
 Knox, Robert S.
 Kobayashi, Koichi
 Kochendorfer, A.
 Kreidel, Norbert J.
 Krumhansl, J.A.
 Kuczynski, George C.
 Kuper, C.G.
 Lamontaine, John
 Langmuir, David B.
 Lark-Horovitz, K.
 Lauritsen, C.C.
 Lawson, A.W.
 Leverenz, H.S.
 Li, Y.Y.
 Libby, Willard F.

Lidiard, Alan B.
 Livingston, James
 Longzcre, Andrew
 Lowdin, Per-Olov
 Luty, Fritz
 Machlup, Stefan
 Mack, Julian E.
 Manintveld, A.J.
 Markham, J.J.
 Marchak, R.E.
 Marchall, Dr. L.C.
 Masing, G.
 McConnell, R.A.
 McMahon, Brien
 Mendelssohn, K.
 Meyer, H.M.
 Meyer, Wilfried
 Michener, John
 Miller, P.H.
 Mitchell, J.W.
 Morris, Donald E.
 Morse, Philip
 Mott, N.F.
 Mueller, D.W.
 Mullen, James G.
 Mulliken, Robert
 Murphy, Glenn
 Muto, T.
 Nabarro, F.R.N.
 Neifert, R.E.
 Neufeld, J.
 Nierenberg, W.A.
 Nix, F.C.
 Novick, Robert
 Nowick, A.S.
 Oberly, J.J.
 O'Bryan, Henry
 Old, Dr. Bruce S.
 Oppenheimer, J.R.
 Overhauser, A.W.
 Palma, M.U.
 Parker, Earl
 Parrish, William
 Patterson, A.L.
 Pepinsky, R.
 Petterssen, Sverre
 Pick, H.
 Pines, David
 Piore, E.R.

Box 17: Personal Correspondence,
Pit-Z, 1949-64

Pitzer, K.S.

Pohl, R.W.
 Poirier, Bernard W.
 Portis, Alan M.
 Prieto, F.E.
 Przibram, K.
 Quimby, S.L.
 Rabi, I.I.
 Rassweiler, C.F.
 Rathenau, G.W.
 Read, Thomas A.
 Read, W.T.
 Reitz, John R.
 Richardson, David
 Richman, C.
 Ridenour, Louis
 Roros, J.K.
 Rose, Albert
 Rudberg, Erik
 Ruine, Jack
 Runcorn, S.K.
 Salvetti, Carlo
 Sampson, John B.
 Sanielevici, A.
 Sawyer, Ralph A.
 Schiff, L.I.
 Schmid, E.
 Schneider, E.E.
 Schottky, W.
 Schrieffer, J. Robert
 Scott, Allen B.
 Seelig, R.P.
 Shockley, W.W.
 Shuttleworth, Roy
 Singwi, K.S.
 Slater, J.C.
 Slifkin, Lawrence
 Smakula, Alexander
 Smith, Charles S.
 Smith, Cyril S.
 Smith, Lloyd P.
 Smith, R.A.
 Smoluchowski, Roman
 Sosin, Al
 Spedding, F.H.
 Sproull, Robert L.
 Stasiw, O.
 Stockman, F.
 Stoddard, George D. - President's Office
 Stranski, I.N.
 Straumanis, M.E.
 Strauss, Lewis
 Sugaya, Tadao
 Suita, Tokuo
 Sutherland, Sir Gordon

Suzuki, Taira
Taylor, Geoffery
Taylor, Hugh S.
Teller, Edward
Teltow, J.
ter Haar, D.
Thompson, L.T.E.
Titus, Don
Tonks, Lewi
Torrey, H.C.
Truell, Rohn
Tucker, D.P.
Tucker, R.B.
Turnbull, David
Tyler, W.W.
Ueta, Masayasu
Uhlenbeck, George
Urey, H.C.
Vaile, R.B.
VanVleck, J.H.
Varney, R.N.
Vassy, Mme. A.T.
Vaughn, W.R.
Vonderiage, F.C.
VonHippel, A.R.
vonLaue, M.
Walker, Christopher
Walker, R.M.
Warren, B.E.
Weaver, Warren
Webb, Julian
Weber, Ernst
Weeks, D.W.
Weill, A.R.
Weinberg, Alvin
Weiss, R.J.
Welch, G.I.
Wheeler, J.A.
Whitman, Walter G.
Wiesner, Jerome B.
Wigner, Eugene
Williams, F.E.
Wilsdorf-Kuhlman, D.
Wilson, E. Bright
Wilson, G.B.
Wilson, V.C.
Witte, H.
Woodley, R.L.
Woodruff, T.O.
Wooster, W.A.
Wrubel, M.H.
Yavin, Avivi I.
Young, G.H.
Young, Gale

Young, T.F.
Zener, Clarence
Zubon, Michael
Zuckerman, Sir Solly

Box 18: 1949-1965 (Air Force - Battelle Memorial)

Air Force Office of Scientific Research - Solid State Sciences Advisory Panel, 1963-64
Programs, Announcements of Meetings.

American Association for the Advancement of Science, 1957-62
Records of dues payments, agendas and reports of meetings, newsletters, and offices lists.

American Association Physics Teachers, 1955-65
Records of dues payment, newsletters, announcements and agenda of meetings, association business.

American Association of University Professors, 1951-65
Newsletters, announcements and minutes of meetings.

American Crystallographic Association, 1961-64
Newsletters, announcements and minutes of meetings.

American Geophysical Union, 1962-63
Announcements and minutes of meetings.

American Institute of Mining and Metallurgical Engineers, 1949-64
Minutes of meetings, agenda, matters of appreciation and records of dues payments.

American Institute of Physics, 1963-64
Financial reports, announcements and programs of meetings, and correspondence concerning the preservation of historical documents.

American Institute of Physics, 1963-64
Minutes of Meetings.

American Machine and Foundry, 1961-65
Correspondence concerning expansion of bowling alleys, foreign operations, company financing and research minutes of board meeting (Seitz was on the Board of Directors).

American Machine and Foundry Personal Contacts, 1961-64

American Machine and Foundry Travel Expense Vouchers, 1961-65

American Philosophical Society, 1961-64
Nomination forms, programs of meetings, lists of prospective members and reminders of meetings.

American Physical Society, 1963-64
Announcements of meetings and correspondence concerning Society business.

American Society of Civil Engineers, 1956-61
Acceptance of speech commitments and copies of symposia lectures.

American Society for Engineering Education, 1956-63
Announcements of meetings, programs, and invitation for membership.

- American Society for Metals, 1950-56
Speech acceptances, agenda and minutes of meetings.
- Argonne National Laboratory, 1958-63
Correspondence of Accelerator User's Group.
- Argonne National Laboratory Personal Contracts, 1949-64
- Argonne National Laboratory Policy Advisory Board, 1964-65
Minutes of meetings.
- Argonne National Laboratory Solid State Science Review Committee, 1958-65
Announcements, agenda and minutes of meetings.
- Argonne National Laboratory Travel Expense Vouchers, 1961-64
- Associated Midwest Universities, 1958-65
Agenda, announcements and minutes of meetings.
- Atomic Energy Commission, 1963-64
Correspondence concerning security clearance, contracts, and meetings.
- Atomic Energy Commission Security, 1964
Forms and correspondence.
- Atomic Energy Commission Personal Contracts, 1950-62
- Atomic Energy Commission Travel Expense Vouchers, 1950-63
- Battelle Memorial Institute, 1962
Correspondence concerning manuscript by Seitz.
- Box 19: Professional Correspondence, 1949-65 (Bell Telephone - Woods Hole)
- Bell Telephone Laboratories, 1950-62
Correspondence concerning fellowships, frontiers of Science Foundation of Oklahoma, speeches at colloquiums and research.
- Brookhaven National Laboratory, 1950-61
Invitations to meetings, correspondence concerning security clearance, Seitz's appointment to the visiting committee for the Department of Physics, travel expenses and position as consultant.
- Carnegie Institute of Technology, 1949-56
Correspondence concerning research, suggestions for positioning faculty members, meetings with members of the Institute, performance of the cyclotron at the institute, article written by Seitz and speeches given by him at the institute.
- Case Institute of Technology, 1963-65
Correspondence concerning the selection of the winner of the Albert A. Michelson Award.
- Columbia University, 1953-62
Correspondence concerning suggestions for a study in science and world affairs, travel expense

vouchers, meeting of the solid state sciences Advisory Committee and an article written by Seitz on "The Porosity Observed in the Kirkendall Effect."

Conferences, 1964-65

Pugwash Conference on Scientific and World Affairs, 1964.

International Conference on Electron Diffraction and the Nature of Defects in Crystals, 1965.

Congress (U.S.) House of Representatives, 1958-60

Correspondence with Philip J. Philbin (Committee on Armed Services) concerning an exact method of correlating earth and space measurements.

William L. Dawson and Oren Harris (Committee on Government Operations) concerning a bill "to establish a rational scientific research reserve fund."

William L. Springer (Representative from Illinois) concerning National Copies of a bill to coordinate scientific programs.

Congress (U.S.) Senate, 1958

Correspondence with Paul H. Douglas concerning appointment of Admiral Lewis L. Strauss as Secretary of Commerce concerning granting Mr. Wei (one of Seitz's students) permanent residency

Hubert H. Humphrey, concerning the needs of the University of Illinois in Physical Sciences and physical research.

Cornell University, 1950-56

Correspondence concerning position as editor of Journal of Applied Physics, research on alkali and silver halides, and a visiting lecture series.

Corning Glass Science Prize, 1962-63

Correspondence concerning Seitz's acceptance of position as judge.

Department of Defense, 1963-64

Roster of the Science Board.

Copy of a letter from Harvey Brooks to E. G. Fubini concerning the department's financial aid to Universities.

Department of Defense Personal Contracts, 1949-62

Department of Defense Security, 1953-61

Department of Defense Travel Expense Vouchers, 1961-62

Defense Science Board, 1964

News Release.

E.I. duPont, 1963

Symposia Programs, papers, and correspondence concerning funds for assistantships.

E.I. duPont Personal Contracts, 1948-64

E.I. duPont Travel Expense Vouchers, 1954-65

Eastman Kodak Company, 1962-64

Correspondence concerning research grant.

- Ford Foundation, 1953-63
Research proposal.
- Franklin Institute, 1957-63
Correspondence concerning recommendations of scientists applying for money.
- Franklin Institute Center of Naval Analysis, 1962
Expense voucher.
- Fulbright Grants, 1952-60
Applications and recommendations.
- General Atomic, Personal Contracts, 1956-63
- General Electric Foundation, 1963-65
Correspondence concerning a grant of money.
- Governor's Commission on Research and Development, 1962-63
Correspondence concerning the bringing of more space research to Illinois.
- Graduate Research Center, 1963-65
Financial reports, programs and agenda of meetings.
- Guggenheim Memorial Foundation, 1951-63
Recommendations of applicants.
- Harvard University, 1963
Appointment to a visiting committee to examine Physics Department at Harvard.
- Industrial College of the Armed Forces, 1963
Correspondence concerning Seitz's role as member of Board of Advisors.
- Institute for Defense Analysis, 1961-64
Correspondence with Norman L. Christeller, Keith A. Brueckner and E.P. Wigner concerning Seitz's appointment as representative from the University of Illinois.
- International Business Machines, 1955-62
- International Union of Pure and Applied Sciences, 1963-65
Minutes of Meetings and financial reports.
- Interstate Research Park, 1963
Correspondence concerning Seitz as a consultant and member of Board of Directors.
- Job Openings, 1964-65
- Job Recommendations, 1964-65
- Library of Congress, 1963
Correspondence concerning position on Librarian's Liaison Committee for Science and Technology.
- Lincoln Academy, 1964
Membership lists and announcements of meetings.

- Massachusetts Institute of Technology, 1950-61
Correspondence concerning Seitz's position as a consultant.
- Material Research Laboratory, 1961-64
Application for funds and research proposal.
- Midwestern Universities Research Association, 1964
Correspondence concerning federal funding of a nuclear reactor project.
(Contains a copy of a letter from Lyndon B. Johnson to Hubert H. Humphrey concerning termination of federal support).
- Miscellaneous Correspondence, 1964
Master plan of higher education.
Paper on "Nature of Crystallization."
Final report of Faculty Advisory Committee, Illinois State Board of Higher Education.
- National Academy of Science, 1964
Contracts and requests for information.
- National Aeronautics and Space Administration, 1950-64
Announcements of conferences and programs.
Research proposal.
Correspondence concerning Seitz's role as consultant.
- National Medal of Science, 1959-63
Correspondence concerning nominations and recommendations.
- National Science Foundation, 1964
Correspondence and proposal concerning research grant.
- National Science Foundation, Personal Contracts, 1950-61
- navy Research Laboratory, 1963-64
Letters of appreciation.
- Office of Naval Research, Personal Contracts, 1950-61
- Noble Awards, 1959-62
Recommendations, Statue book.
- NATO, 1962-64
Report of NATO Science Activities Committee.
- Office of Aerospace Research, 1964-65
Correspondence concerning security.
Programs and agendas of meetings.
- Optical Society of America, 1956-62
Correspondence concerning Seitz's nomination as a fellow and Society business.
- Princeton University, 1953-59
Correspondence concerning Seitz's appointment on advising Committee for the Special Project in Recreation and Science.

Rockefeller Foundation, 1964
Request for funds.

Alfred P. Sloan Foundation, 1964
Letter of recommendation.

Union Carbide and Carbon, 1955-63
Correspondence concerning Seitz's appointment on advising Committee for the Special Project
in Recreation and Science.

United Aircraft, 1964-65
Reports of research, minutes of meetings.

United Aircraft, M. E. Shank (Pratt and Whitney), 1961-62
Recommendations of job applicants, minutes of meetings and travel expense vouchers.

United Aircraft, Donald L. Putt (United Technology) 1961-62
Company reports and letters of congratulations.

United Aircraft Personal Contracts, 1959-65

United Aircraft Travel Expense Vouchers, 1961-65

United States Steel, 1956-61
Correspondence concerning seminars and acceptance of research grant.

White House - Office of Science and Technology, 1963-64
Correspondence with Steven R. Rivikin (Technical Assistant for legal affairs) concerning travel
expense vouchers, Dr. David Z. Robinson on travel expenses and Jerome B. Wiesner
concerning statement of outside interests.

Woods Hole Oceanographic Institution, 1964-65
Notice, agenda and report of meeting of Board of Trustees.