11/6/25
Engineering
Electrical and Computer Engineering
Sidney A. Bowhill Papers, 1963-84

Box 1:

1. Journal Correspondence - 1 folders
2. Journal Correspondence - 13 folders 1960
3. Journal Correspondence - 12 folders 1961
4. Journal Correspondence - 12 folders 1962

Box 2:

1. Journal Correspondence - 12 folders 1963
2. Journal Correspondence - 11 folders 1964
3. Journal Correspondence - 12 folders 1965
4. Journal Correspondence - 12 folders 1966
5. Journal Correspondence - 12 folders 1967
6. Journal Correspondence - 5 folders 1968

Box 3:

1. Journal Correspondence - 7 folders 1968
2. Journal Correspondence - 12 folders 1969

Box 4:

1. Journal Correspondence - 12 folders 1970
2. Journal Correspondence - 12 folders 1976
3. Journal Correspondence - 12 folders 1977

Box 5:

1. Journal Correspondence - 12 folders 1978
2. Journal Correspondence - 12 folders 1979
3. Journal Correspondence - 12 folders 1980
4. Journal Correspondence - 12 folders 1981
5. Journal Correspondence - 12 folders 1982
6. Journal Correspondence - 12 folders 1983
7. Journal Correspondence - 12 folders 1984
8. Journal Correspondence - 6 folders 1985

Box 6:

1. Journal Correspondence - 12 folders 1971

The materials listed in this document are available for research at the University of Illinois Archives. For more information, email illiarch@illinois.edu or search http://www.library.illinois.edu/archives/archon for the record series number.
2. Journal Correspondence - 12 folders 1972
3. Journal Correspondence - 2 folders 1973

Box 7:

1. Journal Correspondence - 10 folders 1973
2. Journal Correspondence - 12 folders 1974
3. Journal Correspondence - 12 folders 1975

Box 8:

Arecibo Observatory, Puerto Rico, 1973-79
Excel Proposal, 1985
Ground-Based Optical Aeronomy, 1984
GSFC/UIUC Lidar, 1980
NASA, Rocket Studies of the Lower Ionosphere, Aeronomy Laboratory (3 folders), 1977-85
NASA/DE, 1984
National Oceanic and Atmospheric Administration/Susan K. Avery, 1979-81
Incoherent Scatter (3 folders), 1969-83
NSF VHF Backscatter, 1979-80
High Resolution Meteor Winds Radar (2 folders), 1972-82
NSF MST Radar, 1979-82
Lidar Studies of Sodium Layer (3 folders), 1977-85

Box 9:

Climate Forum, 1979-84
Committee on Geophysical Data, 1980-82
Consulting, 1963-69
Completed Reviews (3 folders), 1965-79
Journal of Atmospheric and Terrestrial Physics--Editor, 1965-82
Radio Science--Editor, 1969-82
Correspondence (2 folders), 1969-83
Fleming Medal, 1976-78
Reports to the United Nations, 1981-83
Synoptic Observations of Mesospheric Electron Densities (SOMED), 1969-70
Fellowships, 1968-71
Data Center Closings (2 folders), 1979-84
Committee on Solar - Terrestrial Research, 1978-81
Bowhill/Geisler Paper
Evans/Bowhill Book, 1964-67
Data Review, 1968-69
Brian Horton Paper
Paramasivaiah/Bowhill Paper
Weiland/Somayai/Bowhill Paper, 1977

Box 10:

Aeronomy laboratory
   In-house memos and correspondence (2 folders), 1966-67
U.S. Air Force: Scientific Advisory Board on Aeronomy
   Reports (2 folders), 1970-76
   Briefing documents, 1976
   Ad Hoc Aeronomy Committee reports, meeting agenda (2 folders), 1976-77
National Center for Atmospheric Research (NCAR)
   Upper Atmosphere Project reports and mission statements, 1974-75
   Upper Atmosphere Project correspondence, 1974-77
University Corporation for Atmospheric Research (UCAR)
   Correspondence, 1971-86
Upper Atmosphere Research Corporation (UARC)
   Scatter radar study and correspondence (5 folders), 1971-86
   Upper Atmosphere Observatory reports and press release (2 folders), 1967-74
   Upper Atmosphere Observatory proposals and correspondence, 1968-74

Box 11:

Committee on Industrial Cooperation Association (CICA)
   Radar scatter and facility studies presented in nine reports from CICA, 1966-68.
Institute of Electrical and Electronics Engineers (IEEE)
   Standards committee correspondence & meeting agenda (2 folders), 1965-71
   Minutes of 39th Technical Operations Committee Meeting, 1964
   Unconfirmed minutes of IEEE Standards Committee Meetings (2 folders), 1965-69
   Standards manuals and terminology definitions, 1967-69
   Series of twenty-two test procedures and standards booklets, 1967-63
   Section manuals and bylaws, 1965, 1967-69
Institute of Radio Engineers (IRE)
   Manual, 1959
Institute of Electrical and Electronics Engineers/American Institute of Electrical Engineers/Institute of Radio Engineers Standards Publication
   Series of nine standards booklets, 1962-68

Box 12:

Institute of Electrical and Electronics Engineers, (IEEE) - Publications Board Proceedings and
Correspondence, V 9 (5 folders), 1964-65
ICSU - SCOSTEP - International Magnetospheric Study (IMS), published reports, 1976-79
IEEE, Group Antennas and Propagation (GAP) Administrative Committee
  Correspondence/Minutes, 1967-71
  - GAP Standards Committee Correspondence, 1968-71
  - Antenna Standards Committee (2 folders), 1968-70
International Council of Scientific Unions (ICSU) - Special Committee on Solar Terrestrial Physics
  (SCOSTEP) - Solar Terrestrial Physics (STP) Working Papers/Correspondence (2 folders), 1972-78
ICSU - Inter Union Commission on Solar Terrestrial Physics - (IUCSTP)
  meeting, London, correspondence, March 1973
  -Meeting, London, Index to Proposed Projects
Projects/Correspondence, March 1972
  -Meeting, March 1972-73 Reports, Notes from Working Group Leaders
  -Correspondence on Issues and Proposals for Future Programs, 1971
  -International Magnetospheric Study (IMS)
Questionnaire, October 1973-74
  -Bureau Meeting Agenda and Minutes, October 1977
  -Special Committee on STP correspondence (4 folders), 1972-79
  -IUCSTP - Questionnaire Responses (3 folders), 1973

Box 13:

UIUC - Committee - Electrical & Computer Engineering Department Reorganization Correspondence, 1988
  -CE 348 Atmospheric Chemistry - Ad Hoc Committee Correspondence, 1985
  -Department of Atmospheric Sciences, Laboratory of Atmospheric Research (LAR), correspondence, 1978-81
  -Department of Electrical Engineering - Theft, 1980-81
    -Vacancies, correspondence/resumes, 1983-85
    -Prairie Observatory, correspondence/site plans/photo, 1980-81
Illinois Institute of Natural Resources - Illinois Solar Energy Development Program, correspondence, 1974-79
UIUC-Funding Proposals, correspondence/personal notes, 1983
  -Munitz Report on University Reorganization, 1972-73
Universities Space Research Association (USRA) - NASA/University Relations Study Group Correspondence, 1981-85
USRA - NASA/University Relations Study Group Reports, 1978
UIUC - College of Engineering Plasma Engineering Center correspondence, 1984-85
  -Senate Subcommittee on Educational Policy correspondence/minutes, September-December, 1985
  -Senate Committee on Educational Policy, proposals/correspondence, 1984-85
-Department of Electrical and Computer Engineering Curriculum and Computer Area correspondence, 1981-86
American Society of Engineering Education - Division Newsletter, March 1971
UIUC - Visiting Scientist Program, 1967-70
Tutorial Papers, 1962-66
Union Radio Scientific Internationale (URSI)
  -Review of Radio Science (1972-74), international correspondence, 1975-76
  -Review of Radio Science (1975-77), international correspondence (3 folders), 1972-79
  -Review of Radio Science (1978-80), international correspondence, 1980-84
  -Review of Radio Science, international correspondence, 1981-83
Stanford Research Institute Proposals, correspondence (2 folders), 1975-76
Unripe Proposals, 1962-71

Box 14:

Antarctic and Southern Hemisphere Aeronomy Year (ASHAY), 1976-78
  Correspondence
  Reports
Committee on Solar and Space Physics - Correspondence, 1981
Committee on Space Physics Correspondence, 1977-78
Reports (2 folders), 1974-78
General Correspondence, 1961-70
Dynamics Explorer Mission Correspondence, Reports and Notes, 1977-81
Electrodynamics, Correspondence Notes & Reports, 1973
Flight Plans and Ground Station, 1963-69
International Cooperation, 1965-80
International Year of the Quiet Sun (IQSY)
  Correspondence (2 folders)
  Reports and Proposals (2 folders), 1959-66
Ionospheric Physics, 1962
Joint American - Soviet Particle Intercalibration (JASPIC), 1977-78
Mariner Jupiter/Saturn - Reports, 1972-73
Mobile Launch, 1963-66
NASA - Atmospheric and Space Physics Management Operations Working Group,
  1974-86
  Correspondence
  Meeting Minutes, Agendas, and Notes (2 folders)
  Photographs
  Reports (3 folders), 1976-77

Box 15:
NASA - Multiuser Payload Program, 1977-78
   Correspondence
   Meetings
   Reports
Project Condor, 1983
Radicella, 1967-75
Sayers, J., Correspondence, 1961-65
Schmerling Correspondence, 1962-79
Smith, Lester G. Correspondence (3 folders), 1960-85
Solar Eclipse, 1977
Solar Power Satellite
   Correspondence, Meetings and Notes
   Reports (2 folders), 1973-78
Solar Terrestrial Observatory Correspondence, Notes and Meetings, 1977-81
   Reports (3 folders), 1977-81
Sounding Rocket Program (2 folders), 1972-76

Box 16:

Stratospheric Research Advisory, 1975-78
   Correspondence
   Committee Meetings Minutes
Universities Space Research Association (USRA), Houston, TX
   Correspondence, Newsletters & Reports (3 folders), 1976-77
Upper Atmosphere Research Satellite Program (UARS) - Science Definition
   Working Group, 1978
National Academy of Sciences - Space Science Board
   Meeting: Washington, D.C., June 9, 1965
   Summer Study: Woods Hole, MA, June 20 - July 20, 1965
Cummings Papers: Correspondence & Research Data, 1963-65
Bradley Rebuttal: Correspondence & Research Data, 1963-67
F2 Layer: Correspondence & Research Data, 1964-66
Z-Trace: Correspondence & Research Data, 1964-66
Technique Manual: Correspondence & Research Data, 1963-65
Oxygen: Research Data & Abstracts
Partial Reflection Antenna: Research Data & Papers, 1964
Eclipse: Correspondence & Research Data, 1959-62
G-20 Computer: Correspondence, Lecture Series, & Handouts, 1964
KC Correlation: Research Data, 1948
Specimen Day:  Correspondence, Research Data & Meetings:
   O'Hare Airport, Chicago, June 18, 1969
   O'Hare Airport, Chicago, July 13, 1972
Peruvian Expedition:  Correspondence, 1973-74
Puerto Rico Rocket:  Correspondence & Research Data, 1965-68
Committee on Data Interchange and Data Centers (CDIDC):
   Correspondence, Minutes, Reports, Publications, & Research Data (13 folders), 1968-77

Box 17:
Committee on Data Interchange (4 folders), 1978-80
Geophysical Data Panel:  Correspondence, Reports, & Publication (3 folders), 1975-80
World Data Center A (WDC - A) Panel: Correspondence, Guide, Reports, & Newsletter (3 folders), 1973-78
Committee on Solar-Terrestrial Research (CSTR):  Correspondence Minutes, Reports, & News Release (3 folders), 1968-73
Committee on Space Research (COSPAR) WG II 1970: Correspondence & Research Papers, 1966-70
Panel on Interactions Between The Neutral and Ionized Parts of the Atmosphere (PINIPA): Minutes & Correspondence (3 folders), 1966-67
Sanguine:  Correspondence & Summary Statement, 1972
Fox Proposal, 1980
Mt. St. Helens Proposal:  Correspondence & Grant Proposal 1980
Upper Atmosphere Research Satellites (UARS) Proposal:
   Correspondence, Grant Proposal, Publication & Reports, 1978-80
Spacelab Lidar Proposal
Atmospheric Explorer (AE) Proposal, 1977
Nitric Oxide Proposal, 1979
Fellowship Panel, 1968:  Correspondence & Information, 1968
Viking:  Publication & Reports, 1969-70
Searchlight:  Correspondence, Reports, Reprints & Publication (2 folders), 1964-67

Box 18:
Airglow Photometer Prop, 1966-67
   Grant received, 1967
   Correspondence
Allerton Retreat, 1986
   University Responses to Public Policy Issues
Barium Release:  Correspondence, Research Proposal & Reports, 1967-70
Contamination:  Correspondence, Reports, & Minutes, 1968-71
Communications, Antennas, and Propagation Affiliates Workshop, 1984
COSPAR (Committee on Space Research), Ottawa, Canada, 1982
COSPAR (Committee on Space Research), Graz, Austria (5 folders), 1984
   Abstracts for contributed papers
   Committee meetings summaries
   Newsletters
   Agendas
COSPAR Panel 4B (Committee on Space Research)
   Business meetings-summaries
   Bowhill-chairman
   Correspondence
   Appointments of new committee members
COSTR (Committee on Solar-Terrestrial Research), Summer Study (2 folders), 1978
   Upper atmosphere study
   Ground-based lidar measurements of the upper atmosphere
   Draft for '78 summer study on ground experiments in the 1980's
   Extracts from the report (Studies in geophysics-the upper atmosphere and megaltosphere)
   Position paper for NAS study on ground based CSTR
   Importance of aerosols
   U.S. Research activities relevant to the middle atmosphere program
   Symposium on Global Change (Booklet), 9-25-84
Geophysical Research Satellite Definition Group:
   Correspondence, Minutes, & Reports, 1967
Polar Cap Absorption (PCA) Panel: Correspondence & Research Proposal 1964-66
Group on Antennas and Propagation (GAP) Minutes 1960-64
Merger: Correspondence, Constitution & Bylaws, & Minutes, 1964-68
The Institute of Electrical and Electronics Engineers (IEEE) Field Strength: Correspondence, Minutes, & Reports, 1963-69 & (1942 Publication)
Chanute Site: Correspondence & Reports, 1971-74
J-5 Ionosonde: Correspondence, Research Proposal & Reports, 1965-72

Box 19:

European Space Agency-Symposium-1980-Bournemouth, U.K.
Fleischman Proposal, 1978
   Grant proposal for laboratory building to house middle atmosphere research activities
   First Draft
   Second Draft
FORML (Forth Modification Laboratory)
   Paper-Conditional Mini-Macro-Assembler for Forth systems, 1981
   Variable-Precision Floating-Point System for Forth
Forth-Seminar, 1982 and 1983
IAGA (International Association of Geomagnetism and Aeronomy), Edinburgh, 1981
IAGA (International Association of Geomagnetism and Aeronomy), Hamburg, 1983
Germany
Institute of Electrical and Electronics Engineers, Inc.-Field Strength, 1962-68
Wave Propagation Standards Measuring Field Strength
Proposed IRE standards on wave
"Propagation: methods of measuring field strength, 1962"
Inter-Union Commission on Solar Terrestrial Physics-Symposium, 1970
Planning Committee
Correspondence
Summaries of meetings
Mass Spectrometer, 1966
SCOSTEB, 1985
SCOSTEP (Special Committee on Solar-Terrestrial Physics), Boulder, 1976
Solar terrestrial physics Symposium
Proposed topics
Sun
Interplanetary medium
Magnetosphere
Atmospheric physics
Report of the activities of WG-7
STP Symposium, Innsbruck, Austria (3 folders), 1978
Correspondence on papers to be delivered at conference
20th anniversary of earth's radiation belt (discovery)
COSPAR (Committee on Space Research) (2 folders), 1977-80
Correspondence
Abstracts of paper proposals
Summaries of committee meetings
Remarks on the future of COSPAR
Publications by S. A. Bowhill
COSPAR (Committee on Space Research)-Programs-Correspondence, 1979-82
COSPAR (Committee on Space Research)-United Nations Report, 1980
COSPAR (Committee on Space Research, Budapest, Hungary, 1980
Abstracts of papers to be presented
Correspondence concerning agenda
"Synoptic Studies of the Middle Atmosphere Using Balloons" by S. A. Bowhill
Smith, L. G., Professor
Current and future state of space science
MAP-Middle Atmosphere Program
Preliminary questionnaires for intending participants in MAP

Box 20:
Assoc. of Geodesy and Geophysics Union, Fellows, 1980
American Meteorological Society, Boston, 1978, 1983
Coherent Radar, Lindau, 1978
Committee for Coordination of Observable Ground, 1980
COPAC/ICSU, 1982
COSPAR, University of Illinois, 1971
   Sao Paulo, 1974
   Varna, 1975
   Bangalore, 1979
European Space Agency, Bournemouth, 1979-80
Electrodynamics of Middle Atmosphere, Reston, 1979
Geophysics Research Board, 1975
International Union of Geomagnetism and Geophysics/
   International Association of Geodesy and Aeronomy, 1977-80
Manned Space Station, Logan, 1977
Manned Space Station, Huntsville, 1979
Middle Atmosphere Proposal, 1965, 1980
Middle Atmosphere Program, University of Illinois, 1975-76
Solar Terrestrial, Guntersville, 1977
Solar Terrestrial Coupling, Yosemite, 1978
World Data Center, 1973-75

Box 21:

Professional, Engineers, 1956-60
Taped Lecture, 1956
Trip Reports, 1957-59
International Scientific Radio Union (URSI) 1957-74
   XIith General Assembly - Reports, Notes (2 folders), 1957
   XIIIth General Assembly - Reports, Correspondence (2 folders), 1960
   Fall Meeting - Correspondence, 1960
   Spring Meeting - Correspondence, 1961
   Fall Meeting - Correspondence, 1961
   Spring Meeting - Program, Correspondence, 1962
   Fall Meeting - Correspondence, Program, 1962
   Spring Meeting - Program, 1963
   Fall Meeting - Correspondence, 1963
   XIVth General Assembly - Reports 1963
U.R.S.I., Washington D.C., Spring 1964
   University of Illinois, Fall (2 folders), 1964
   Washington D.C., Spring 1965
   Dartmouth College, Fall 1965
Symposium, The Netherlands, 1965

Box 22:

U.R.S.I., Washington D.C., Spring 1966
  Stanford University, Fall (2 folders), 1966
  General Assembly, Munich (3 folders), 1966
  Ottawa, Spring 1967
  University of Michigan, Fall 1967

International Scientific Radio Union (URSI) 1957-74
  Fall Meeting - Program 1968
  Spring Meeting - Correspondence 1968
  Fall Meeting - Program 1969
  Spring Meeting - Program 1969
  Fall and Spring Meeting - Programs, Correspondence, Reports (3 folders), 1970-72
  Fall Meeting - Programs, Correspondence, Reports (2 folders), 1973-74

Box 23:

International Scientific Radio Union (URSI), 1975-77
  Fall Meeting - Correspondence, Reports, 1975
  Fall Meeting - Abstracts 1975
  Steering Committee to URSI Symposium - Correspondence, Reports, 1975
  Fall Meeting - Correspondence, Reports, 1976
  Meeting - Proceedings, Digest, Reports, 1977

American Geophysical Union (AGU), 1967-77
  Spring Meeting - Correspondence, 1967
  Fall Meeting - Programs, Correspondence, Reports, 1969
  Fall and Spring Meeting - Correspondence, Programs, Reports, 1970
  Fall and Spring Meeting - Programs, Reports, 1971
  Fall and Spring Meeting - Programs, Reports, Correspondence, 1972
  Fall and Spring Meeting - Programs, Reports, 1973
  Fall and Spring Meeting - Programs, Reports, Correspondence, 1974
  Fall and Spring Meeting - Programs (3 folders), 1975-77

Geophysics Research Board (GRB) 1974-79
  Committee on Solar Terrestrial Research (CSTR) - Reports,
  Correspondence, Minutes (2 folders), 1974-79
Box 24:

Committee on Space Research (COSPAR) Tokyo 7.1C.7, 1968
(2 folders)
COSPAR, Prague, 7.1.8, 1969
COSPAR, Leningrad, 7.1.9, 1970
COSPAR, Preliminary Correspondence (3 folders), Seattle, 1971
   Preliminary Correspondence, Committee Meetings
   Program
Madrid (4 folders), 1972
   Preliminary Correspondence, Papers to be presented
   Preliminary Correspondence
   Program
   Konstanz, FRG (2 folders), 1973
   Reports, Correspondence
   Program, meeting
Sao Paulo, Brazil, 1974
   Correspondence, meetings
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   Committee Meetings
Varna, Bulgaria, 1975
   Correspondence
   Program
Philadelphia, 1976
   Working Group Agenda
   Program

Box 25:

Inter-Union Commission on Solar-Terrestrial Physics (IUCSTP)
   Correspondence, 1966-68
   3.1a, 1967-69
   3.1a & 3.1b, 1968
   3.1b, 1968
   3.1b, 1969
   1968-69
   1970-71
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IUCSTP Reports (7 folders), 1967
IUCSTP Reports (5 folders), 1968
IUCSTP Reports (4 folders), 1969
IUCSTP Reports and Notes (2 folders), 1971
IUCSTP, 3.1c-3.1g
IUCSTP, 3.1h-3.1j, 1969
Summer Study (4 folders), 2.12, 1969
     2.18, 1970

Box 26:

NASA, SCCC (Space Science Steering Committee)(4 folders), 1967-77
Correspondence, minutes, agendas, proposals, and reports of the Ionospheres and Radio Physics
Subcommittee, Radio and Celestial Mechanics Subcommittee for the Evaluation of Grand
Tour Proposals, Missions and Cosmic Dust Section, Planetary Atmospheres Subcommittee,
and Particles and Fields Subcommittee
URSI (International Union of Radio Science) General Assemblies
  Correspondence, reports, programs, budgets, proposals, abstracts, and manuscripts
  Ottawa, 1969
  Warsaw, 1972
  Lima, 1974-75

Box 27:

U.R.S.I., Lima, Symposium A Correspondence, 1974
Proposals and Projects
  "Production, Loss, and Transport of Atmospheric Ionization"
    (National Science Foundation Grant), 1971-77
  "Investigation of Ionospheric Regions to Transient Radio Waves" (Army Research Office
    Proposal), 1976-77
  U.S. - Japan Cooperative Research Project on Electron Temperature Measurements (NSF
    Proposal), 1974
  COSPAR:  Proposal for a "Sunspot Minimum Ionosphere Rocket Sounding Program", ca.
    1963
  CSL (Coordinated Science Laboratory) Proposals, 1962-65
  Penn State and first University of Illinois NSF Proposals, 1960-62
  "Data Logging and Control System for Aeronomy Field Station" (NSF Proposal), 1969
  "Studies of Ionospheric Motions and Chemistry by Ground-Based Remote Sensing" (NSF
    Proposal), 1969
  GCA Corporation:  "Ionosphere Rocket Experiments During Auroral Zone Absorption
    Events", 1965
  HRB-Singer:  "VLF Measurements at Wallops Island", 1964
  Ground Rules (for Grants), 1966
  Sechrist, C.F.:  "Investigation of Meteorological and Energetic Particle Influences on the
    Lowest Ionosphere", 1970-71
  "Forward Thomson Scatter Measurements on the ATS-G Spacecraft" (NASA Proposal),
1969
"Rocket Studies of the Lower Ionosphere During the Solar Eclipse of March 1970" (NASA Proposal), 1968
National Science Foundation Grants
GA541: "Study of an Incoherent Backscatter Facility", 1966-69
GA1046: "Engineering Concept Study of a Thomson Scatter Radar", 1967-68
GA4268: "Studies of Ionospheric Dynamics by Thomson Scatter", 1968-69
GA15526: Continuation of GA4268, 1969-70
GA3338: "Application of Pulse Compression Techniques to Ionosphere Sounding", 1962-67
GA14232: Continuation of GA866
GA868: Continuation of GA866, 1967-70
"An Airglow Photometer" (NSF Proposal), 1966-69
"Studies on Ionospheric Drifts and Anisotropy of Irregularities", 1965-66
Box 28:

GCA Corporation, Bedford, MA Proposal 4304-5-01, 1966
  4131-5-01B, 1966
  4655-5-01A, 1967
  4655-5-01, 1967
  901A-5-01, 1964
  1125-5-01, 1964
Rocket Studies of the Lower Ionosphere (NASA/GCA), 1963-64
  (NASA/GCA), 1963-70
  (NASA/GCA), 1966-71
  (NASA/GCA), 1963-65
  (NASA/GCA), 1961-64
  (NASA/GCA), 1963-66
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  (NASA/GCA), 1967-70
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  (NASA/GCA), 1973-77
  (NASA/GCA), 1974-76
  (NASA/GCA), 1976-77
Correspondence, 1955-58
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Box 29:

Correspondence, 1962
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Dorne & Margolin, Inc., (Bowhill was a Director of a NASA Supplier), 1962
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Institute of Radio Engineers, 1961-62
Literature Survey Meetings, 1960-61

Box 30:

Incoherent Scatter Panel - Draft Reports (2 folders), 1970
Incoherent Scatter, Correspondence, Papers, Notes (2 folders), 1969-72
Interdepartment Radio Advisory Committee Records, 1971
Correspondence, Notes, Travel Vouchers, 1971-72
Faeltten Correspondence, 1971-72
LaLonde Correspondence, 1970-72
Moorcroft Correspondence, 1971-72
Stanford Research Institute Correspondence & Reports, 1970-72
Grant Proposal for Nat'l. Science Foundation, 1970-75
U.A.O. Advisory Committee Meeting Minutes and Reports (2 folders), 1970-71
U.A.O. Draft & Final Minutes, Agendas, Correspondence (2 folders), 1970-73
Feasibility Studies and Correspondence (2 folders), 1967-69
Feasibility Studies and Correspondence (2 folders), 1968
Correspondence, Grant Proposals, Notes (2 folders), 1965-67
Thomson Scatter Radar Proposal to N.S.F. (2 folders), 1963-68

Box 31:

Thomson Scatter Questionnaire and results, 1967
Thomson Scatter Correspondence and report, 1967-69
Dicke Committee correspondence, 1966-67
Cambridge Radio Observatory Committee, 1965-66
Committee on Institutional Cooperation (2 folders), 1963-68
C.I. C. Site Survey (with photographs), 1967-68
Upper Atmosphere Observatory Design Study (2 folders), 1973-75
Upper Atmosphere Observatory Site Survey, 1971-74
Upper Atmosphere Observatory Design (2 folders), 1971-73
Thomson Scatter Grant Proposals to N.S.F., 1966-68
International Association of Geomagnetism and Aeronomy (IAGA) (3 folders), 1967-69
European Space Research Organization, 1967
Roederer Correspondence, 1968
Meeting Announcements, Notes, 1968-70
Sporadic-E Seminar, 1967-68

Box 32:

Brazil Eclipse Symposium, 1968
Tokyo, Atmospheric Electricity Symposium, 1968
Ahmedabad, India Third International Symposium on Equatorial Aeronomy, 1969
Conference of IUCSTP (Inter-Union Commission on Solar-Terrestrial Physics) For the International Years of the Active Sun, London, 1969
N.A.T.O. Advanced Studies Institute on Solar Eclipses and the Ionosphere, Athens, Greece, 1969
Acoustics Conference, El Paso, Texas 1969
Commission of Atmospheric Chemistry and Radioactivity (CACR) of the International Association for Meteorology and Atmospheric Physics (IAMAP), Heidelberg, Germany, 1969
Third Arizona Conference on Planetary Atmospheres, Kitt Peak National Observatory, 1969
Centre de Recherches sur les Atomes et les Molecules (CRAM) Colloquium on "Processes of Importance to the Stratosphere and Mesosphere", Quebec, Canada, 1969
Transactions of the General Scientific Assembly Madrid, 1969
International Union of Geodesy and Geophysics (IUGG) XV General Assembly, Moscow, 1971
Conference on Theoretical Ionospheric Models Pennsylvania State University, 1971
The Royal Society's British National Committee on Space Research - Discussion Meeting on the Lower Ionosphere, 1969
Sporadic E. Conference - Utah State University, 1971
ISIS II Satellite meeting, Toronto, 1972
Troms; Norway, Conference on Incoherent Scatter, 1973
Evaluation of Centre for Radio Science at the University of Western Ontario, 1973
International Conference on Radio propagation in Natural Media (Marconi), Florence, 1974
Conference on the Upper Atmosphere, Atlanta 1974
Boulder, E-Region Conference, 1974
Grenoble, XVI General Assembly of the International Union of Geodesy and Geophysics (IUGG), 1974
Bryce Mountain, AE Symposium, 1976
Logan, Utah Stratosphere and Related Problems, 1976
COSPAR (Committee on Space Research), 1961
COSPAR, 1962
COSPAR, Warsaw, 1963
COSPAR, Rome, 1963
COSPAR Correspondence, 1962-63

Box 33:

COSPAR, Florence, 1964
COSPAR, Argentina, 1965
COSPAR, Argentina, 1965
COSPAR, Vienna(8 folders), 1966
1967 IQSY (International Year of the Quiet Sun)/COSPAR Assemblies (London)
PTGAP (Professional Technical Group on Antennas & Propagation), 1963-64
GAP Symposium, 1964
IEEE 1966 International Antennas and Propagation Symposium, Palo Alto, CA (GAP Symposium)
Antennas & Propagation Administrative Committee, 1966
IEEE 1967 GAP International Symposium, University of Michigan, Ann Arbor

Box 34:

NASA University Program Review Conference, Kansas City, 1965
NASA Charged Particles, Symposium on Atmospheric Interactions and Space Physics
Sporadic E. Seminar at Estes Park, 1966
Sporadic E. Seminar, 1965-66
IEEE International Convention Digest, 1968
IEEE, March 1964, 1966-67
Symposium on the Plasma Sheath, Boston, Fall 1959
The Physical Society, Cambridge, 1949-1954
VLW (Very Low Frequency) Symposium, Spring 1957
International Symposium as Fluid Mechanics in the Ionosphere, Cornell, Summer 1959
Symposium on Physical Processes in the Sun - Earth Laboratory, Ottawa, Ontario, July 1959
Conference on Transmission Problems Related to High Frequency Direction Finding UCLA, Summer 1960
Working Session on D-Region Program Plans, Washington, D.C. November 1960
NATO Advanced Study Institute on Electron Density Profiles in the Ionosphere and Exosphere, Norway, 1961
ARS (American Rocket Society) Space Flight Report to the Nation
International Conference on Electrical Engineering Education, Sagamore, 1961
WESCON (Western Electronic Show & Convention), San Francisco, 1961
Symposium on Electromagnetic Theory & Antennas, Copenhagen, 1962
IEEE Convention, New York, 1963
Space Research Summer Study, Space Science Board, National Academy Sciences (5 folders), Woodsole, 1965
Symposium on the Cause & Structure of Ionospheric Sporadic E., Boulder, 1965
Sporadic E. Papers (2 folders), 1966
IQSY, INCOSPAR (Indian National Committee for Space Research, India 1965
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Solar Eclipse Workshop, IIT, Chicago, 1965
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