

International Geophysical Year Records Group

Series 6: Earth Satellite Program. Series contains records documenting aspects of the US IGY Earth Satellite program, including projects Vanguard and Explorer, and experiments undertaken and proposed. Also documented is the establishment of the NAS-NRC Space Science Board. Series contains correspondence and reports.

6.1 PROJECTS

Earth Satellite Program: Project 30.3: Smithsonian Institution: Initial Development of Optical Tracking System: 1955-1959

Earth Satellite Program: Project 30.5: Smithsonian Institution: Initiation of Optical Tracking System: 1956-1961

Earth Satellite Program: Project 30.6: Smithsonian Institution: Establishment of Optical Tracking Stations: 1956-1961

Earth Satellite Program: Project 30.8: Smithsonian Institution: Operation of Optical Tracking Stations: 1956-1963

Earth Satellite Program: Project 30.9: Smithsonian Institution: Administration of Visual Observing Programs: 1956-1961

Earth Satellite Program: Project 30.10: Smithsonian Institution: Optical Tracking Data & Central Operations: 1956-1961

Earth Satellite Program: Project 30.10: Smithsonian Institution: Optical Tracking Data & Central Operations: Special Reports 1-5: 1957

Earth Satellite Program: Project 30.10: Smithsonian Institution: Optical Tracking Data & Central Operations: Special Reports 6-9: 1957-1958

Earth Satellite Program: Project 30.10: Smithsonian Institution: Optical Tracking Data & Central Operations: Special Reports 10-11: 1958

Earth Satellite Program: Project 30.11: U of Wisconsin: Prototype Electronic Detection System for Optical Tracking: 1957

Earth Satellite Program: Project 30.12: Smithsonian Institution: Direct Administrative Costs of Optical Tracking Program: 1956-1961

Earth Satellite Program: Project 30.20: Aberdeen Proving Ground: Establishment of Interim Optical Network: 1957-1961

Earth Satellite Program: Project 30.21: Society of Photographic Scientists & Engineers: Photographic Tracking in the IGY Earth Satellite Program: 1958-1959

Earth Satellite Program: Project 31.1: Naval Research Laboratory: Procurement of Launching Vehicles: 1956-1963

Earth Satellite Program: Project 31.2: Signal Engineering Laboratories (SEL): 1957

Earth Satellite Program: Internal Instrumentation: Series 32 Projects: General Correspondence: 1956-1958

Earth Satellite Program: Project 32.1: State U of Iowa: Cosmic Ray Observation: 1958-1959

Earth Satellite Program: Project 32.1: State U of Iowa: Cosmic Ray Observation: 1957

Earth Satellite Program: Project 32.1: State U of Iowa: Cosmic Ray Observation: 1956

Earth Satellite Program: Project 32.1: State U of Iowa: Cosmic Ray Observation: 1955

Earth Satellite Program: Project 32.2: U of Maryland: Measurement of Meteoric Dust Erosion of Satellite Skin: 1955-1959

Earth Satellite Program: Project 32.2: U of Maryland: Measurement of Meteoric Dust Erosion of Satellite Skin: Reports: 1957-1958

Earth Satellite Program: Project 32.3: Air Force Cambridge Research Center: External Ultraviolet Solar Radiation: 1956-1960

Earth Satellite Program: Project 32.4: Air Force Cambridge Research Center: Measurement of Interplanetary Matter from Earth Satellite: 1956-1960

Earth Satellite Program: Project 32.5: Signal Research & Development Laboratory: Meteorological Measurement from Earth Satellite: 1956-1959

Earth Satellite Program: Project 32.6: Aberdeen Proving Ground: Electron Densities in Ionosphere: 1956-1958

Earth Satellite Program: Project 32.7: Naval Research Laboratory: Satellite Environmental Measurements: 1956-1961

Earth Satellite Program: Project 32.8: Naval Research Laboratory: Lyman Alpha & X-Ray Radiation: 1956-1961

Earth Satellite Program: Project 32.9: Naval Research Laboratory: Satellite Geomagnetic Measurements: 1956-1961

Earth Satellite Program: Project 32.10: California Institute of Technology: Measurement of Cosmic Light & Radiation: 1956-1963

Earth Satellite Program: Project 32.11: U of Wisconsin: Radiation Balance of Earth: 1956-1963

Earth Satellite Program: Project 32.12: RIAS-Bartol: Determination of Flux of Heavy Primary Cosmic Ray Nuclei: 1959-1963

Earth Satellite Program: Project 32.12: RIAS-Bartol: Determination of Flux of Heavy Primary Cosmic Ray Nuclei: 1956-1958

Earth Satellite Program: Project 32.12: RIAS-Bartol: Determination of Flux of Heavy Primary Cosmic Ray Nuclei: Reports: 1957-1961

Earth Satellite Program: Project 32.30: Naval Research Laboratory: Special Equipment & Engineering Services for Scientific Experiments: 1957-1961

Earth Satellite Program: Project 32.31: California Institute of Technology: Satellite Equipment & Engineering Services: 1957-1963

Earth Satellite Program: Project 32.32: Army Ballistic Missile Agency: Micrometer Detection: 1959-1960

Earth Satellite Program: Project 32.40: U of Illinois: Radio Interferometry & Data Analysis: 1957-1963

Earth Satellite Program: Project 32.40: U of Illinois: Radio Interferometry & Data Analysis: Reports: 1958-1960

Earth Satellite Program: Projects 32.40-32.48: General Correspondence: 1957-1959

Earth Satellite Program: Project 32.41: Central Radio Propagation Laboratory: Interferometer & Doppler Measurement of Satellite Radio Transmission: 1957-1958

Earth Satellite Program: Project 32.42: U of Alaska: Auroral Ionospheric Studies Using Radio Transmissions from Satellite: 1957-1963

Earth Satellite Program: Project 32.43: Stanford U: Electron Density & Radio Propagation Studies Utilizing Satellite Transmissions: 1957-1963

Earth Satellite Program: Project 32.44: Penn State U: Satellite Doppler Measurements from Spaced Locations: 1959-1963

Earth Satellite Program: Project 32.44: Penn State U: Satellite Doppler Measurements from Spaced Locations: 1957-1958

Earth Satellite Program: Project 32.45: U of Colorado: Reduction & Analysis of Precision Data from Satellite 1957 Alpha-2: 1957

Earth Satellite Program: Project 32.46: Linfield Research Institute: Absolute Signal Strength & Frequency Measurements: 1957-1963

Earth Satellite Program: Project 32.46: Linfield Research Institute: Absolute Signal Strength & Frequency Measurements: Reports: 1958-1959

Earth Satellite Program: Project 32.47: National Bureau of Standards: Ionospheric Electron Density Distribution from Vertical Soundings: 1958-1959

Earth Satellite Program: Project 32.48: Air Force Cambridge Research Center: Polar Satellite Propagation Measurements: 1958-1960

Earth Satellite Program: Radio Tracking and Vehicle Telemetry: Series 33 Projects: General Correspondence: 1956

Earth Satellite Program: Project 33.1: Naval Research Laboratory: Radio Tracking System Equipment & Operations: 1956-1958

Earth Satellite Program: Project 33.2: Naval Research Laboratory: Radio Tracking: Orbit Computations & Data Analysis: 1956-1961

Earth Satellite Program: Project 34.1: Naval Research Laboratory: Scientific Telemetry & Satellite Instrumentation: 1956-1961

Earth Satellite Program: Project 34.2: California Institute of Technology: Telemetry Recording & Technical Assistance: 1958-1962

Earth Satellite Program: Scientific Coordination: Series 35 Projects: General Correspondence: 1958

Earth Satellite Program: Project 35.1: National Academy of Sciences: Scientific Coordination of Earth Satellite Program: 1956-1958

6.2 PROPOSED PROJECTS

Earth Satellite Program: Naval Research Laboratory: Proposed: Cosmic Ray Experiment: 1956

Earth Satellite Program: Air Force Cambridge Research Center: Proposed: Detection of Far Infrared Band Emission of Earth: 1956

Earth Satellite Program: U of New Mexico: Proposed: Determination of Turbulence in E & F Layers of Ionosphere: 1956

Earth Satellite Program: U of Michigan: Proposed: Developing Expandable Spheres & Drag Measuring Techniques for Satellite Program: 1956

Earth Satellite Program: Naval Research Laboratory: Proposed: ESV Experiment to Determine Distribution of Hydrogen in Space: 1956

Earth Satellite Program: Naval Research Laboratory: Proposed: Flashing Light as Aid to Satellite Tracking: 1956-1958

Earth Satellite Program: Mt Wilson & Palomar Observatories: Proposed: Fundamental Cosmological Experiment: 1956

Earth Satellite Program: Smithsonian Astrophysical Observatory: Proposed: Minimum Weight Prototype Instrumentation for Geomagnetic Measurements with Satellites: 1956-1957

Earth Satellite Program: U of Maryland: Proposed: Observations of Earth's Magnetic Field in Artificial Satellites: 1955-1956

Earth Satellite Program: Martin Company: Proposed: Programming Future Meteorological Satellites: 1956

Earth Satellite Program: New Mexico College of Agricultural & Mechanical Arts: Proposed: Photographic Acquisition & Tracking of Artificial Satellites: 1956

Earth Satellite Program: Signal Corps Engineering Laboratories: Proposed: Propagation Experiments Utilizing Earth Satellite: 1956

Earth Satellite Program: Topographic Engineering Dept: Proposed: Searchlight Tracking System for Artificial Satellite: 1956-1958

Earth Satellite Program: Air Force Cambridge Research Center: Proposed: Thermal Measurements: 1956

Earth Satellite Program: Naval Research Laboratory: Proposed: Measurements of Solar Stream Protons: 1956

Earth Satellite Program: Air Force Cambridge Research Center: Proposed: Atmospheric Density Measurement at Altitudes of Satellite Orbit: 1956

Earth Satellite Program: RAND Corporation: Proposed: Recoverable Scientific Satellite: 1956

Earth Satellite Program: Smithsonian Astrophysical Observatory: Proposed: Release of Balloons for Air Density Near Apogee: 1956

Earth Satellite Program: General Electric Company: Proposed: Satellite Propagation Experiment: 1956-1959

Earth Satellite Program: Stanford U: Proposed: Satellite Spin Rate & Axis: 1956

Earth Satellite Program: Smithsonian Astrophysical Observatory: Proposed: Solar Ultraviolet Measurements: 1956

Earth Satellite Program: Illinois Institute of Technology: Proposed: Study of Erosion by Means of High Speed Dust Particles: 1956

Earth Satellite Program: U of New Mexico: Proposed: Study of Guided Waves within Ionosphere: 1956-1957

Earth Satellite Program: Signal Corps Engineering Laboratories: Proposed: Solar Power in Earth Satellite: 1957-1959

6.3 CORRESPONDENCE

Earth Satellite Program: Index to Files: 1959

Earth Satellite Program: Incoming Mail Log: 1957-1958

Earth Satellite Program: Correspondence: Jan-Sept 1955

Earth Satellite Program: Correspondence: Oct 1955

Earth Satellite Program: Correspondence: Nov 1955

Earth Satellite Program: Correspondence: Dec 1955

Earth Satellite Program: Correspondence: Jan 1956

Earth Satellite Program: Correspondence: Feb 1956

Earth Satellite Program: Correspondence: Mar 1956

Earth Satellite Program: Correspondence: Apr 1956

Earth Satellite Program: Correspondence: May 1956

Earth Satellite Program: Correspondence: Jun 1956

Earth Satellite Program: Correspondence: Book: Jun-Jul 1956

Earth Satellite Program: Correspondence: Jul 1956

Earth Satellite Program: Correspondence: Aug 1956

Earth Satellite Program: Correspondence: Sept 1956

Earth Satellite Program: Correspondence: Oct 1956

Earth Satellite Program: Correspondence: Nov 1956

Earth Satellite Program: Correspondence: Dec 1956

Earth Satellite Program: Correspondence: Jan 1957

Earth Satellite Program: Correspondence: AIEE General Meeting: Jan 1957

Earth Satellite Program: Correspondence: Feb 1957

Earth Satellite Program: Correspondence: 1-15 Mar 1957

Earth Satellite Program: Correspondence: 16-31 Mar 1957

Earth Satellite Program: Correspondence: 1-15 Apr 1957

Earth Satellite Program: Correspondence: 16-30 Apr 1957

Earth Satellite Program: Correspondence: 1-15 May 1957

Earth Satellite Program: Correspondence: 16-31 May 1957

Earth Satellite Program: Correspondence: 1-15 Jun 1957

Earth Satellite Program: Correspondence: 16-30 Jun 1957

Earth Satellite Program: Correspondence: Project Vanguard Summary Report: Jun 1957

Earth Satellite Program: Correspondence: 1-15 Jul 1957

Earth Satellite Program: Correspondence: 16-31 Jul 1957

Earth Satellite Program: Correspondence: 1-15 Aug 1957

Earth Satellite Program: Correspondence: 16-30 Aug 1957

Earth Satellite Program: Correspondence: 1-10 Sept 1957

Earth Satellite Program: Correspondence: 11-20 Sept 1957

Earth Satellite Program: Correspondence: 21-30 Sept 1957

Earth Satellite Program: Correspondence: 1-15 Oct 1957

Earth Satellite Program: Correspondence: 16-31 Oct 1957

Earth Satellite Program: Correspondence: 1-15 Nov 1957

Earth Satellite Program: Correspondence: 16-30 Nov 1957

Earth Satellite Program: Correspondence: 1-6 Dec 1957

Earth Satellite Program: Correspondence: 7-18 Dec 1957

Earth Satellite Program: Correspondence: 19-31 Dec 1957

Earth Satellite Program: Correspondence: Visual Observations of Alpha 1 by Moonwatch Stations: Dec 1957

Earth Satellite Program: Correspondence: 1-13 Jan 1958

Earth Satellite Program: Correspondence: 14-23 Jan 1958

Earth Satellite Program: Correspondence: 24-31 Jan 1958

Earth Satellite Program: Correspondence: Basic Objectives of Continuing Program of Scientific Research in Outer Space: Jan 1958

Earth Satellite Program: Correspondence: 1-10 Feb 1958

Earth Satellite Program: Correspondence: 11-20 Feb 1958

Earth Satellite Program: Correspondence: 21-28 Feb 1958

Earth Satellite Program: Correspondence: 1-8 Mar 1958

Earth Satellite Program: Correspondence: 9-18 Mar 1958

Earth Satellite Program: Correspondence: 19-31 Mar 1958

Earth Satellite Program: Correspondence: 1-9 Apr 1958

Earth Satellite Program: Correspondence: 10-22 Apr 1958

Earth Satellite Program: Correspondence: 23-30 Apr 1958

Earth Satellite Program: Correspondence: 1-7 May 1958

Earth Satellite Program: Correspondence: Symposium on Life Sciences: Invitations: 7 May 1958

Earth Satellite Program: Correspondence: 8-15 May 1958

Earth Satellite Program: Correspondence: 16-23 May 1958

Earth Satellite Program: Correspondence: 24-31 May 1958

Earth Satellite Program: Correspondence: 1-9 Jun 1958

Earth Satellite Program: Correspondence: 10-17 Jun 1958

Earth Satellite Program: Correspondence: 18-30 Jun 1958

Earth Satellite Program: Correspondence: 1-8 Jul 1958

Earth Satellite Program: Correspondence: 9-18 Jul 1958

Earth Satellite Program: Correspondence: 19-31 Jul 1958

Earth Satellite Program: Correspondence: 1-11 Aug 1958

Earth Satellite Program: Correspondence: 12-25 Aug 1958

Earth Satellite Program: Correspondence: 26-31 Aug 1958

Earth Satellite Program: Correspondence: 1-18 Sept 1958

Earth Satellite Program: Correspondence: 19-30 Sept 1958

Earth Satellite Program: Correspondence: 1-13 Oct 1958

Earth Satellite Program: Correspondence: 14-27 Oct 1958

Earth Satellite Program: Correspondence: 28-31 Oct 1958

Earth Satellite Program: Correspondence: 1-13 Nov 1958

Earth Satellite Program: Correspondence: 14-30 Nov 1958

Earth Satellite Program: Correspondence: 1-12 Dec 1958

Earth Satellite Program: Correspondence: 13-31 Dec 1958

Earth Satellite Program: Correspondence: Jan 1959

Earth Satellite Program: Correspondence: 1-16 Feb 1959

Earth Satellite Program: Correspondence: 17-28 Feb 1959

Earth Satellite Program: Correspondence: 1-13 Mar 1959

Earth Satellite Program: Correspondence: 14-31 Mar 1959

Earth Satellite Program: Correspondence: 1-14 Apr 1959

Earth Satellite Program: Correspondence: 15-30 Apr 1959

Earth Satellite Program: Correspondence: May 1959

Earth Satellite Program: Correspondence: Jun 1959

Earth Satellite Program: Correspondence: Jul 1959

Earth Satellite Program: Correspondence: Aug 1959

Earth Satellite Program: Correspondence: Sept 1959

Earth Satellite Program: Correspondence: Oct 1959

Earth Satellite Program: Correspondence: Nov 1959

Earth Satellite Program: Correspondence: Dec 1959

Earth Satellite Program: Correspondence: 1960

Earth Satellite Program: Correspondence: 1961

Earth Satellite Program: Correspondence: Undated: 1956

Earth Satellite Program: Correspondence: Undated: 1957

Earth Satellite Program: Correspondence: Undated: 1958

Earth Satellite Program: Correspondence: Undated: 1959

Earth Satellite Program: Correspondence: Undated: 1955-1960

6.4 CSAGI ROCKET & SATELLITE MANUAL

Earth Satellite Program: CSAGI Rocket & Satellite Manual: 1956-1957

Earth Satellite Program: CSAGI Rocket & Satellite Manual: 1958

6.5 CSAGI GUIDE

Earth Satellite Program: CSAGI on Rockets & Satellites: Chapter XI: Folder 1: 1957-1958

Earth Satellite Program: CSAGI on Rockets & Satellites: Chapter XI: Folder 2: 1957-1959

Earth Satellite Program: CSAGI on Rockets & Satellites: Chapter XI: Folder 3: 1957-1958

6.6 MOONBEAM & MOONWATCH

Earth Satellite Program: Moonbeam: US Inquiries: 1957-1958

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: 1955-1956

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: Jan-Jun 1957

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: Jul-Dec 1957

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: Jan-Apr 1958

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: May-Dec 1958

Earth Satellite Program: Moonbeam & Moonwatch: Correspondence: 1959

Earth Satellite Program: Moonbeam: International Master File: 1957-1958

Earth Satellite Program: Moonbeam: US Inquiries: Master File: 1957-1958

Earth Satellite Program: Satellite Tracking Position Grids: 1958

Earth Satellite Program: Moonwatch Newsletter: 1958-1959

6.7 VANGUARD & EXPLORER

Earth Satellite Program: Vanguard: Miscellaneous Publicity Information: 1956-1959

Earth Satellite Program: Vanguard: Reports & Papers: 1956-1958

Earth Satellite Program: Explorer: Reports & Papers: 1958

6.8 PROPOSALS & EXPERIMENTS

Earth Satellite Program: Proposals & Experiments: 1956-1958