

**Provenance** Burke-Gaffney Fonds

**Title** Astronomy series

**Date** [1940-1979]

**Extent** 2.1m of textual and 30cm of graphic materials (4.5 boxes)

**Administrative History/Biographical Sketch** See Fonds level description.

**Scope and Content** Series forms part of the Burke-Gaffney fonds and consists of information about: Astronomers, the History of Astronomy, Atmosphere, the Burke-Gaffney Observatory, Comets, Copernicus, Cosmology, Earth, Eclipses, Fireballs, Kepler, Mars, Meteors, Moon, Observatories, Planetariums, Quasars, Radio Astronomy, Radio Telescopes, Satellites, Space, Star of Bethlehem, Stars, UFOs, Venus, and X-Ray Astronomy. Some photographs were included in this series.

**Restrictions** Access is unrestricted.

**Finding Aid Note** Bibliography of published materials is available; Photographs are catalogued on the Photograph Database, available in the Archives. Refer to that database for location numbers; The files in this series were the basis for much of the material in the manuscripts and possibly for course materials.

**Location** 1999.17 A-E ; Photograph Collection.

#### File Listing

- Aberration - 1940
- Abbout, Charles Greeley - 1973
- Address/date book - 1966
- Ribbon: SMU centenary (1841-1941)
- Albebaran - 1960
- Algol - 1953
- Altitude of stars and satellites - n.d.
- Apollo 11 and 12 - 1969
- Apollo 17 - n.d.
- Armillary Sphere - n.d.
- "Astrology: the occult - a history," by Colin Wilson (a review) - n.d.
- Astronauts, civilian, recruited - 1966
- Astronomers - 525 BC-1910 AD, 1881-85, 1886-1900
- Astronomers - 1916-1940
- Astronomers - 1941-1950
- Astronomers - 1951-1960
- Astronomers - 1961-1973
- Astronomers, Canadian - 1966-70
- Astronomers, Canadian - 1971-
- Astronomy - general - 1963
- Astronomy - 1954 - France
- Astronomy B, O - Introd. - 1945-1960
- Astronomy - Royal Astronomy Society of Canada - 1965
- Astron. formula tables - circa 1960s
- Astronomy, grade school - circa 1961
- Astronomy, history of - Introd. - circa 1960s
- Hist. of astron. - to 1600
- Astronomy: to 601 BC; Astronomy, hist. of astro. BC 600-400
- Astronomy, history of - 400-350 BC - time of Plato
- Astronomy, history of: 350-300 BC - time of Aristotle
- Astronomy - 270 BC-200 AD
- Astronomy, hist. of - 800-1266; Astron. - 801-1266; Astronomy, hist. of: 1267-1563
- Astronomers - 1564-1596; Astronomers - 1597-1600
- Hist. of astron. - 1601-1700
- Astronomy - 1601-30; Astronomy - 1630-42; Astronomy - 1643-55
- Astronomy - 1656-72; Astronomy - 1673-79; Hist. of Astr. - 1680-
- Astron. - 1680-83; 1684-87; 1688-1700

- Hist. of astron. - 1701-1727; Astronomy - 1701-15; Astron. - 1715-27
- Astron. - 1728-1742; Astron. hist. of - 1743-56; Astron: hist: 1757-58; Astro. Hist: 1759-62
- Astr. hist. - 1763-69; Astronomy - 1770-77; Astr. hist. - 1778-1786; Astr. hist. 1787-1800
- Astronomy, hist. of - 1801-2000; Astr. hist. - 1801-09; Astr. hist. - 1810-40
- Astr. hist - 1841-50; Hist. of astr. - 1851-60, 1861-70; Astronomy - 1871-80
- Astronomy - 1901-1916
- Astronomy - illustrations
- Astronomy notebook - 1939-1956
- Astronomy, opportunities - 1957-1961
- Astron. photos - n.d.
- Astron. - photos - catalogue of - 1955
- Astronomy - SMU - 1972; Astronomy - 1973 - SMU Copernicus 500th
- Astronomy, topics - 1932, 1944
- Astrophysical abundances - 1972
- Astrophysics - 1934-1952
- Atlas, Sky Palomar - c, 1955-56
- Atmosphere, Earth's - ca. 1960s
- Atmosphere of Earth - 1959
- Atmosphere - ionosphere - 1960-61
- Atmosphere - stratosphere; upper atmosphere - c. 1960s
- Atmosphere, upr. - 1960-1961
- Atmosphere troposphere - n.d.
- Atom, mathematics of - 1905-1933
- Atom, physics of atom - circa 1950s
- Atomic structure - 1961
- Aurora - 1963, 1964-
- Aurora - B. 312 - 1960-1961
- Auror B to Calen C - n.d.
- Balloon astronomy B, 285-6 - 1957-1962
- Barnard's stars - circa 1960s
- Bibliography - B. 536 - circa 1960s
- Black hole - 1971-1972
- Blackbody Radiation, cosmic (conference) - 1966
- Brahe's Nova - circa 1960s
- Brahe and Bruno - circa 1960s
- Burke-Gaffney Observatory - 1970 Oct.-Nov.
- Burke-Gaffney Observatory - 1971 Jan.-Mar.
- Burke-Gaffney Observatory - 1971 June-Dec.
- Burke-Gaffney Observatory - Jan.-Apr. 1972
- Burke-Gaffney Observatory - 1973
- Calendar - calendar reform - 1966
- Canadian astronomers - 1958
- Capella - 1957
- Carbon (in comets) - 1965
- Cassiopeia - circa 1960s
- Catalogue 3C; B7 126- - circa 1960s
- Catalogue: Cambridge B7 23; catalog I.C.; catalogue: Messier B7 23 - 1961-1962
- Catalogue - M.1-50; catalog - M.51- -- circa 1960s
- Catalog - NGC 1-2000; catalog NGC 2001- -- circa 1960s
- Celestial mech. of artificial satellites; celestial mechanics: Danby; celestial mechaes to comes - 1957-1959
- "Chariots of the Gods" (book review) - 1972
- Charts - unidentified - n.d.
- Clusters, globular - 1967
- Colour theories - 1959
- Comets; Comet - 2296 BC-240 BC

- Comets - 239 BC to 325 AD; Comets - 326 AD-1200 AD; Comets - 1201-1300
- Comets - 1367-1400; Comets - 1401-1500; Comet - 1501-1600
- Comet - 1601-1700; Comet - 1701-1800; Comet - 1801-1881
- Comet - 1882 II: Aug 1960; Comet - 1882 II MWBG text
- Comets - 1883-1909; Comets - 1910; Comets - 1911-1940; Comets - 1941-50
- Comets - 1951-60
- Comets - 1961-63
- Comets - 1964; Comets - 1965 a to e
- Comet - Ikea-Seki - 1965f - died Sept. 18 - Sept. 18 to Oct. 20; Comet - 1965f - Oct. 21 to Oct. 22; Comet - 1965f - press clippings
- Comets - 1966, 1967; Comets - 1968
- Comet - Tago-Sato-Kosaka - 1969g
- Comet - Bennett - 1969i - correspondence
- Comet - 1970 March 26, 28 - Bennett 1969i
- Comet - 1973
- Comets, annals; Comets, aphelions of
- Comets, bibliography of; Comets, characteristics; Comets, discoverers of; Comets, distance to nucleus
- Comet : Halley's
- Comet - Kohoutec - 1973f - published
- Comet - MSS; Comets, number of; Comets, orbit
- Comets, origin of; Comets, perihelion to sun,; Comets, superstition about - 1337-1661
- Comets - symposium to ZZZ; Comets - T-Z; Comets, women and
- Conics
- Constellations (no title)
- Constellations
- Constellations
- Copernicus
- Copernicus
- Copernicus - 1473-1543; Copernicus - 1544-1942
- Copernicus - 1972
- Copernicus, correspondence (no title)
- Corona (no title)
- Correspondence, astronomical
- Correspondence; Correspondence - August 1970; Correspondence - Wallace Bridge and Pugwash - July 1972
- Cosmic rays
- Cosmology - 500 BC-1609; Cosmology - 1610-1800; Cosmology - 1801-1916; Cosmology - 1917-31
- Cosmology - 1932-48; Cosmology - 1949-1952; Cosmology - 1953
- Cosmology - 1954-55; Cosmology - 1956; Cosmology - 1957-1959
- Cosmology - 1960-61; Cosmology - 1962-1963
- Cosmology - 1965 December; Cosmology - 1965 Nov.
- Cosmology: press notices - 1952-59; Cosmology: press notices - 1960-62
- Cosmos (no title)
- Crab Nebula - 1964
- Cygnus X-3
- Denub
- Dist: Earth and Sun; Distances of clusters of galaxies
- Doppler's Princ.
- Dwarfs, Black; Dwarfs, White
- Earth; Earth - 1967; Earth, age of
- Earth, interior of; Earth, magnetic field; Earth, orbit of
- Earth, rotation of; Earth, satellites of; Earth, shape of
- Earth, tail of
- Earthquakes

- Easter Island
- Eccentricity of comets, planets and satellites
- Eclipse
- Eclipse cycle
- Eclipse, duration of, solar
- Eclipse, lunar - B7 150
- Eclipse, lunar - 1500-1938; Eclipse, lunar - 1939-50
- Eclipse, lunar - 1951-59; Eclipse, lunar - 1960-
- Eclipse, lunar, partial - 1965 June 13-14
- Eclipse, solar, total - B7 159; Eclipse, solar - B7 155-158
- Eclipse, solar - 1010 BC-1599 AD
- Eclipse, solar - 1501-1700
- Eclipse, solar - AD 1800-1899; Eclipse, solar - 1900-1931
- Eclipse, solar - 1919 May 29; (no title)
- Eclipse, solar, total - 1932 Aug 31
- Eclipse, solar, total - 1933-1940
- Eclipse, solar - 1941-46
- Eclipse, solar, total - '47-'48
- Eclipse, solar - 1949-1953
- Eclipse, solar - 1954 June 30
- Eclipse, solar, total - 1954: photos
- Eclipse, solar, annular - 1954
- Eclipse, solar - 1955
- Eclipse, solar, total - 1957 Oct. 23
- Eclipse, solar - 1958 Oct. 12 and 1959 Oct. 2
- Eclipse, solar - 1959 Oct. 2
- Eclipse, solar, partial - 1960
- Eclipse, solar, total - 1961 Feb. 15
- Eclipse, solar, total - 1963 July 20
- Eclipse, solar, total - 1965 May 30
- Eclipse, solar, total - 1966 Nov. 12
- Eclipse, solar - July 10, 1972; (no title)
- Eclipse, solar, total - 1972 July 10
- Eclipse, solar - 30 June 1973; (no title)
- Eclipse, solar, total - 1973
- Eclipse, solar - 1973
- Eclipses, superstition of
- Eclipse viewing plans - Oct. 1959; (no title)
- Ecliptic
- Eddington
- Einstein
- Electromagnetic - electron
- Ellipse
- ENIF to EYE
- Ephemeris
- Ephemeris (no title)
- Ephemeris - 1931-40
- Ephemeris - 1952
- Ephemeris - 1954
- European Space Research Organization (ESRO) - 1963-1964
- Fireballs
- Fireball - 1795-1945; Fireballs - 1946-60; Fireballs - 1961
- Fireballs - 1962-1965
- Fireball - 1965 March; Fireball - 1965 March 18
- Fireballs - 1965 April-May; Fireball - 1965 June-
- Fireballs - 1966

- Fireballs - 1967 Dec.
- Fireballs - 1925 Feb.; Correspondence - June 1958
- Fireball - Correspondence - 1961 Dec.
- Fireball - Dec. 1950
- Fireball: Observations
- Fireballs, report
- Flamsteed 1646 - /47-
- Fomalhaut to Frequency
- France: space program - 1965-
- Galactic centre
- Galactic coordinates
- Galactic equator
- Galactic explosions
- Galactic poles; Principle plane; Rim
- Galaxies, exterior, motion of
- Galaxies, exterior, structures of
- Galaxy, the (=Milky Way)
- Galaxy, the, radio view of
- Galaxy, the, rotation of
- Galaxy, the, structural features of
- Galileo
- Gamma rays
- Gasquet
- Gemini Project - 1963-1965 March 22
- Geodetic survey by satellite
- Gravitation
- Gravitation 181-192
- Gravitational collapse
- Gravitational constant
- Great Circle; Great Circle:  $i=47$  on Earth; Great Circles on Earth  $i=67$  degrees
- Heavens
- Heavens - newspapers
- Helium
- Hoyle
- Icarus
- Interferometry
- Internat Geop Year
- IQSY (International Quiet Sun Year) - 1964 Jan. 1-1965 Dec. 31
- Interplanetary 211-216
- Interplanetary space
- Interstellar material
- Jeans
- Jupiter; Jupiter 1965- ; Jupiter B1 217-222
- Kepler
- Kepler biography
- Kepler and theology
- Lasers
- Latitude; Latitudes and longitudes
- Life - 322 BC-1960 AD; Life - 1961; Life - 1962, 1963, 1964, 1965, 1966, 1967
- Life - Dec. 1967 DNA
- Life, extraterrestrial; Life in other worlds
- Light; Light, velocity
- Longitudes
- Magi; Star of Bethlehem research
- Magnetosphere
- Magnitude of stars

- Mars
- Mars
- Mars; Mars 201-211
- Mars, life on
- Mass - Luminosity relation
- Mars: Synodic to Velocity
- Mercury; Mercury, transits of
- Messier, Chas (1730-1817)
- Meteorites, etc. - B. 261-267; Meteorites up to 1950; Meteorites - 1951-, 1961, 1963, 1964, 1969
- Meteorite crater
- Meteorite reports (correspondence) - 1950-1955
- Meteorology
- Meteors; Meteors B7 251-260; Meteors in general
- Meteors in space
- Meteors: Interplanetary space - 1959 Aug. 28
- Meteor, shower of; Meteor shower - Nov. 13-18
- Meteors seen by me
- Metonic cycle
- Milky Way Galaxy
- Mill Village
- Milton - 1674
- Miscellaneous, astronomy
- Moon
- Moon - 1957, 1964, 1965, 1966, 1967
- Moon - Aa to As
- Moon - Bi to Heat
- Moon - Ill to Po
- Moon - Ra to Z
- Moon, notes for talk on
- Moon surface: 1956-1963, 1964, 1965; Moon surface, speculation - 1967
- Mysterious emissions
- Nebulae, diffuse
- Nebulae, history to 1924
- Needles in space - 1963
- Neutron stars
- Newton - 1687
- Novae
- Novae - 1942 Nov.-Dec.; Novae - 1943-
- Novae/Supernovae
- Nuclear explosions
- Observation and theory; Observations
- Observatories; Observatories - 1965-
- Observatories: France
- Observatory, Jodrell Bank - 120 meter paraboloid (proposed) - 1968 Feb.
- Observatory, Orbiting
- Observatory, Radcliffe
- Observatories, Russian
- Observatory, Toledo - 102 cm. telescope - 1968-76
- Occultation; Occultation calculation letter - 1936 March
- Oeber's Paradox
- Operation 12 - Aug. 14/15 1959
- Oppenheimer, J. Robt. (1904-1967)
- Orbits
- Orion to Phos
- Personal Equation

- Photos (or pictures)
- Photography, Astron. eclipse
- Photometry
- Planes
- Planetarium; Planetarium: Halifax; Planetarium: Toronto
- Planets; Planets 169-181; Planets - 1962
- Planets: Conjunctions with one another; Planets outside of Solar System; Planets' tails
- Planetary Nebulae 368-371
- Planeau to Radaq
- Pogson and Fechner
- Pogson's Scale: not Fechner's Law; (no title)
- Population
- Pulsars
- Quantum Mech. - Dynamical Theory of Fields
- Quarks
- Quasars
- Quasars - 1959-1960
- Quasars - 1961; Quasars - 1962
- Quasars - 1963 Jan.-June; Quasars - 1963 July-Dec.
- Quasars - 1964 Jan.-Feb.; Quasars - 1964
- Quasars - 1964 July-Dec.; Quasars - 1965; Quasars - 1966
- Queen Elizabeth II Observatory - 1964; Queen Eliz. Telescope - 1965; Queen Eliz. Telescope - 1968 Aug. 29-
- Radar
- Radiation, solar
- Radio and radio astronomy - 1888-1927; Radio astronomy - 1928-41; Radio astronomy - 1946-56
- Radio astronomy
- Radio astronomy up to 1958
- Radio astronomy - 1959-
- Radio sources - 1964
- Radio telescope; Radio telescope; Radio telescope - 1959-1962
- RADIP to RDCJ
- Red shift
- Relativity - 1958-1967; Relativity - 1968
- Rockets (no title); Rockets (no title)
- Satellites
- Satellites - 1964
- Satellites: A.I. (French satellite); Satellites: ATLAS - Dec. 18, 1958
- Satellites: Alouette; Satellites: Alouette II; Satellites: Artificial 1973; Anik I
- Satellites: Calculations (no title)
- Satellites: Centaur program; Satellites: Communication satellites
- Satellites: Comsat - 1964; Satellites: Comsat Shaves - 1967
- Satellites: Copernicus OAD-C
- Satellites: Cosmos 57-63; Satellites: Early Bird - 1965 Apr. 6
- Satellites, Earth, Artificial, Scientific Use of; Satellites, Earth's, Artificial - 1956-57
- Satellites: Echo I - 1962; Satellites: Echo I - 1962 July; Satellites: Echo I - 1963; Satellites: Echo I - 1968
- Satellites: Echo I: General; Satellites: Echo I: Observations - 1960; Satellites: Echo I: Observations - 1961
- Satellites: Echo I: Observed positions; Satellites: Echo I: Plot; Satellites: Echo I: Timetable - 1960
- Satellites: Echo II; Satellites: Echo II: Observations - 1964
- Satellites: Intelsat II - Oct. 26 1966; Satellites: Isis; Satellites: Life of satellite
- Satellites: Luna 15
- Satellites: Lunik I

- Satellites: Lunik II
- Satellites: Lunik II - 1959 Sept. 12-13
- Satellites: Lunik III - Oct. 4 1959
- Satellites: Lunik II - 1959 Sept. 13; Satellites - Lunik III; Satellites: Lunik 5 to Lunik 9
- Satellites: Mariner 6 and 7
- Satellites: Mariner 9, Mars 2, Mars 3
- Satellites: Nimbus; Satellites: Orbiter I - 1966 Aug. 15-31
- Satellites: Ranger VI - 1964 Jan. 30-Feb. 2; Satellites: Ranger VII - July 28 1964 to July 31; Satellites: Ranger VIII
- Satellites: Saturn V SA-C - 1964 Jan. 29; Satellites: Syncom I - 1963 Aug. 4; Satellites : Syncom II - 1963 July; Satellites: Syncom III - 1964 Aug. 19
- Satellites: Telestar II
- Satellite tracking - 1957
- Satellite tracking MASER
- Satellites: Satellites, visible - 1967 Apr.-May
- Satellites: Satellites, visible - 1967 Sept.-Oct.
- Satellites: Vostohs I, II, III, IV
- Satellites: Zond II
- Saturn
- Saturn - 223-237
- Saturn occult - 1967 Oct. 16
- Science
- Science Secretariat - 1968
- Shapeley, Harold
- Signals from space
- Sky
- Sky, evening - '40-47
- Sky, evening - 1948-50
- Solar astronomy - 1966 Oct.
- Solar constant
- Solar outbursts, article from Life
- Solar System, origin of - B268-277
- Space - 322 BC to 1457 Oct. 3
- Space notes - Oct. 4 1957-1959
- Space - 1965-1968
- Space - 1970
- Space - 1971-1972
- Space, Canada and - 1959-1960
- Space flights: Orbits: Maps
- Space, interstellar
- Space mechanics
- Space: Pact 1966; Treaty
- Space research, cooperation in
- Space, theology of
- Space travel - 1961
- Space vital statistics, launching, etc.
- Space - 1960-61
- Space notes - 1962-63
- Spectra
- Spectra - B7 94
- Spectra, stellar; Spectra, meteors of
- Star
- Star of Bethlehem - 1967-
- Star of Bethlehem
- Star of Bethlehem - 1960
- Star of Bethlehem: Source

- (no title) "Kepler and the Star of Bethlehem" - correspondence - 1937 Dec.
- Stars: 0h to 2 h
- Stars: 3h to 5h
- Stars: 5h to 7h
- Stars: 8h to 12h
- Stars: 16h to 18h
- Stars: 19h to 20h
- Stars: RA 22h to 24h
- Stars: Binary B7 403-409
- Stars: Binary eclipsing
- Stars: Bright
- Stars: Brighter than 3.5
- Stars: Brightness (Magnitude, Luminess)
- Stars, distance of
- Stars, clusters of, galactic
- Stars, clusters of, globular
- Stars, ecliptic - B7G1
- Stars: Energy and heat
- Stars, envelopes of - 365-368
- Stars, flare
- Stars, heat from
- Stars, interiors of - 378
- Stars, lives of/birth and evolution
- Stars, magnitude of
- Stars, names of
- Stars, numbers of
- Stars, places of stars (in order of RA)
- Stars, places of according to declination
- Stars, polar
- Stars: B7 23-32 stars, porch?
- Stars, radio
- Stars, Red giants
- Stars, rotation of
- Stars: Setting time and rising
- Stars: Scorpio X-1
- Stars, structures, interiors
- Stars, variable
- Stars, variable (pulsating)
- Stars, variable (Red)
- Stars, velocity of
- Steady state
- Stonehenge
- Sun: A-Coq
- Sun: Dos-Gzz
- Sun: B7 278-285
- Sun: Corona B7 305-307
- Sun: H-P
- Sun: Quiet - 1964-65
- Sun: R-Z
- Sunrise and Sunset
- Sunspots - 1611-1908
- Sunspots - 1909-
- Supernovae
- Sunspot effect: Terrestrial: radio
- Tektites
- Telescope

- Telescope: 5" and smaller
- Telescope: 48" Schmidt
- Telescope - 1672-1849
- Telescope - 1948
- Telescopes - 1962-63
- Telescope, optical - 1958-61
- Telescopes: B7 116-RI Telescope Radio
- "Texas" Symposium on Relativistic Astrophysics - Jan. 23-27 1967
- Thales
- Time
- Time exact - 1965
- Time, sidereal
- Time signal, Ottawa
- Tracking - 1961-1962
- Tracking, space - 1964-65
- Trigon Conjunction
- UFO: Flying Saucers - 1947-51
- UFO - 1952-53
- UFO - 1954-56
- UFO - 1957
- UFO - 1960-1964
- UFO: Unidentified Flying Objects - 1965 Mar. 16
- UFOs - 1965 March 29-July 13
- UFOs - 1965 July 18-Dec.
- UFO - 1966 Jan.-Feb.
- UFO - 1966 March-April
- UFO - 1967 Jan.-March
- UFOs - 1967 Mar.-Apr.
- UFO's - Apr. 24 1967-June
- UFO - 1967 June-July
- UFO - July 1967-Aug.-Sept.
- Flying Saucers - 1967