

# LIBRARY CATALOGUE

1970



THE ROYAL ASTRONOMICAL SOCIETY OF CANADA  
252 College Street, Toronto 130, Ontario

## INDEX

Astronautics	629.4	Galaxies	523.11	Photography	522.63
Astronomers - lives	925.2	Geology	550	Photometry	522.62
- works	520.2	Geomagnetism	538.7	Physics - general	530
Astronomy - descriptive	523	Geophysics	551	- theoretical	530.1
- general	520	History of astronomy	520.9	Planetaria	520.74
- practical	522	of mathematics	510.9	Planets	523.4
- spherical	522.7	of science	509	Practical astronomy	522
- theoretical	521	Jupiter	523.45	Radio astronomy	523.016
Astrophysics	523.01	Lectures - science	504	Relativity	530.11
Atlases	523.89	- astronomy	520.4	Satellites	629.13882
	524	Light	535	Saturn	523.46
Atomic theory	539.14	Life Elsewhere	523.13	Science in general	500
	541.2	Lives of Scientists	925	- philosophy	501
Aurora	538.768	Lives of Astronomers	925.2	Societies	520.06
Bible and astronomy	220.85	Magnetism	538	Solar Energy	621.47
Binary Stars	523.841	- terrestrial	538.7	Solar System	523.2
Biography - scientists	925	Mars	523.43	Space Research	629.13
- astronomers	925.2	Mathematics	510-519	Spectroscopy	535.84
Calendars	529.3	Mechanics	531	- astronomical	522.67
Catalogues	524	- celestial	521.1	Spherical astronomy	522.7
Celestial Mechanics	521.1	- fluid	532	Stars	523.8
Celestial Navigation	527	Mercury	523.41	Sun	523.7
Chronology	529	Metaphysics	113	Sundials	529.78
Collected works	520.2	Meteorology	551.5	Telescopes	522.2
Comets	523.6	Meteors	523.5	Tides	525.6
Cosmology	113	Meteorites	523.51	Time	529
	523.1	Moon	523.3	Universe	523.1
Constellations	523.89	Myths	398	Variable Stars	523.844
Dictionaries	520.3	Navigation	527	Venus	523.42
Double Stars	523.841	Observatories	522.1	Weather	551.6
Earth Sciences	550.551	Observing techniques	522.6	Young Peoples'	
Eclipses - solar	523.78	Optics	535	Titles	Y
- theory of	521.8	Philosophy of science	113		
Education in astronomy	520.7		501		
Electricity	537		530.01		
Encyclopedias of ast.	520.3				
Fluid Mechanics	532				

TITLES

113	Berrill, N.J.	You and the Universe	1958
113	Hoyle, F.	Man in the Universe	1966
113	Koyre, A.	From the Closed World to the Infinite Universe	1957
220.85	Kurtz, J.H.	The Bible and Astronomy	1857
220.85	Maunder, E.W.	The Astronomy	1909
220.85	Patten, D.W.	The Biblical Flood and the Ice Epoch	1966
220.85	Richards, H.M.S.	The Stars and the Bible	1952
220.85	Wright, R.A.	Astronomy and the Bible	1956
289.4	Bowers, J.E.	Suns and Worlds of the Universe	1899
370.1	Whitehead, A.N.	The Aims of Education	1929
385	McDougall, J.L.	Canadian Pacific	1968
398	Harley, T.	Moon Lore	1885
398	Johnstone, J.D.	Astronomy for the Benefit of Mankind	1939
398	Proctor, R.A.	Myths and Marvels of Astronomy	1912
423	Fowler, H.W.	The Concise Oxford Dictionary	1934
430	Baumann, H.	Muret-Sanders Deutsch-Englisches Worterbuch	1908
430	Klatt, B.	Muret-Sanders English-German Dictionary	1908
500	Asimov, I.	The Intelligent Man's Guide to Science	1960
500	Dietz, D.	The Story of Science	1942
500	Gregory, R.A.	Discovery	1916
500	Herschel, J.F.W.	A Manual of Scientific Enquiry	1859
500	Hogben, L.	Science for the Citizen	1937
500	Houllevigue, L.	The Evolution of the Sciences	1910
500	Von Humboldt, A.	Cosmos (Vols. 1-5)	1849
500	Kahn, F.	Design of the Universe	1954
500	Macaulay, R.	The World of Energy	1961
500	Murchie, G.	Music of the Spheres	1961
500	Robinson, J.	The Universe	1956
500	Swenson, H.N.	Physical Science for Liberal Arts Students	1957
500	Thomas, W.S.	The Amateur Scientist	1942
500	Thomson, J.A.	Introduction to Science	
500	Whewell, W.	* Astronomy and General Physics Considered with Reference to Natural Theology	1834
500	Whitehead, A.N.	Science and the Modern World	1925
500	Wistar, R.	Man and his Physical Universe	1953
501	Bush, V.	Modern Arms and Free Men	1949
501	Derham, W.	* Astro-Theology	1750

501	Eddington, A.	The Nature of the Physical World	1928
501	Eddington, A.	Science and the Unseen World	1929
501	Garbedian, H.G.	Major Mysteries of Science	1933
501	Gerard, J.	The Old Riddle and the Newest Answer	1904
501	Gregory, R.A.	Discovery or The Spirit and Service of Science	1916
501	Jeans, J.	The Mysterious Universe	1933
501	Joad, C.E.M.	Guide to Modern Thought	1933
501	Poincaré, H.	The Foundations of Science	1913
501	Poincaré, H.	Science and Hypothesis	1952
501	Shapley, H.	Of Stars and Men	1958
501	Stewart, B. and Tait, P.G.	The Unseen Universe	1876
501	Sullivan, J.W.N.	The Limitations of Science	1933
501	De Voltaire	* Elémens de la Philosophie De Neuton	1738
501	Whitehead, A.N.	An Enquiry Concerning the Principles of Natural Knowledge	1919
502	De Morgan, A.	A Budget of Paradoxes, Vol.1	1915
502	De Morgan, A.	A Budget of Paradoxes, Vol.2	1915
504	Bragg, W.	Concerning the Nature of Things	1925
504	Eddington, A.	New Pathways in Science	1935
504	Hubble, E.P.	The Nature of Science	1954
504	Soddy, F.	Science and Life	1920
508	Newman, J.R. (ed.)	What is Science?	1955
508	Scientific American	Scientific American Reader	1953
509	Bailly, M.	* Lettres sur L'Origine des Sciences	1777
509	Butterfield, H.	The Origins of Modern Science: 1300-1800	1950
509	Clarke, J.	Physical Science in the Time of Nero	1910
509	Conant, J.B.	On Understanding Science	1951
509	Hering, D.W.	Foibles and Fallacies of Science	1924
509	Jeans, J.	The Growth of Physical Science	1951
509	Sarkar, B.K.	Hindu Achievements in Exact Science	1918
509	Schuster, A. and Shipley, A.E.	Britain's Heritage of Science	1918
509	Sedgwick, W.T. and Tyler, H.W.	A Short History of Science	1918
509	Selwyn-Brown, A.	Histry of Science	1922
509	Wright, J.K.	The Leardo Map of the World	1928
510	Ball, W.W.R.	Mathematical Recreations and Essays	1911

510	Fields, J.C. (ed.)	Proceedings of the International Mathematical Congress held in Toronto August 11-16, 1924 (2 Vol.)	1928
510	Hogben, L.	Mathematics for the Million	1937
510	Wrigley, A.	* Examples and Problems in Mathematics	1862
510.7	De Morgan, A.	Study and Difficulties of Mathematics	1898
510.7	Wolstenholme, J.	A Book of Mathematical Problems	1867
510.78	Babbage, C.	Charles Babbage and his Calculating Engines	1961
510.8	Becker, G.F. and Van Orstrand, C.	Hyperbolic Functions	1909
510.8	Bremiker, C.	Tables of the Common Logarithms of Numbers and Trigonometrical Functions to Six Places of Decimals	1923
510.8	Comrie, L.J.	Barlow's Tables of Squares, Cubes, Square Roots, etc.	1935
510.8	Hussey, W.J.	Logarithmic and Other Mathematical Tables	1907
510.9	Ball, W.W.R.	A Short Account of the History of Mathematics	1924
510.9	Todhunter, I.	A History of the Mathematical Theory of Probability	1865
511	De Morgan, A.	Elements of Arithmetic	1854
513	Halsted, G.B.	Rational Geometry	1904
513.22	Drew, W.H.	Conic Sections	1862
513.22	Salmon, G.	A Treatise on Conic Sections	1863
513.3	Aldis, W.S.	An Elementary Treatise on Solid Geometry	1873
513.3	Frost, P.	A Treatise on Solid Geometry	1863
514	Morrison, J.	Plane Trigonometry	1880
514.5	Beasley, R.D.	Plane Trigonometry	1858
516	Salmon, G.	A Treatise on the Analytic Geometry of Three Dimensions	1865
516	Todhunter, I.	A Treatise on Plane Co-ordinate Geometry	1862
516	Todhunter, I.	Examples of Analytical Geometry of Three Dimensions	1858
516.55	Ferrers, N.M.	Trilinear Co-ordinates	1861
516.56	Turner, H.H.	Tables for Facilitating the Use of Harmonic Analysis	1913

517.3	Todhunter, I.	Integral Calculus	1862
517.38	Boole, G.	Treatise on Differential Equations	1865
517.4	Todhunter, I.	Researches in the Calculus of Variations	1871
517.6	Boole, G.	A Treatise on the Calculus of Finite Differences	1860
519	De Morgan, A.	On Probability	
520	Abell, G.	Exploration of the Universe	1964
520	Adams, G.	*Astronomical and Geographical Essays	1789
520	Alter, D., Cleminshaw, C.H. and Phillips, J.	Pictorial Astronomy	1963
520	Baker, R.H.	Astronomy	1930
520	Baker, R.H.	An Introduction to Astronomy	1939
520	Bartky, W.	Highlights of Astronomy	1935
520	Comstock, G.C.	A Text-Book of Astronomy	1901
520	Davidson, M. (ed.)	Astronomy for Everyman	1954
520	Degani, M.H.	Astronomy Made Simple	1955
520	Duncan, J.C.	Astronomy	1926
520	Dyson, F.W.	Astronomy	1910
520	Ebbighausen, E.G.	Astronomy	1966
520	Evans, D.S.	Teach Yourself Astronomy	1952
520	Fath, E.A.	The Elements of Astronomy	1926
520	Ferguson, J.	*Astronomy	1778
520	Ferguson, J.	*Astronomy Vol. I	1841
520	Ferguson, J.	*Astronomy Vol. II	1817
520	Gaposchkin, C.	Introduction to Astronomy	1954
520	Gullemin, A.	The Heavens	1883
520	Herschel, J.F.W.	Outlines of Astronomy	1860
520	Herschel, J.F.W.	A Treatise on Astronomy	1851
520	Holden, E.S.	Elementary Astronomy	1899
520	Hoyle, F.	Astronomy	1962
520	Inglis, S.J.	Planets, Stars & Galaxies	1967
520	Irving, E.	How to Know the Starry Heavens	1904
520	Jones, H.S.	General Astronomy	1922
520	Lockyer, J.N.	Elements of Astronomy	1877
520	Lockyer, J.N.	*Stargazing: Past and Present	1878
520	Loomis, E.	*An Introduction to Practical Astronomy with Astronomical Tables	1860
520	Loomis, E.	*A Treatise on Astronomy	1887
520	Main, R.	Rudimentary Astronomy	1874
520	Mehlin, T.G.	Astronomy	1959

520	Mitchell, O.M.	The Orbs of Heaven	1868
520	Mitchell, S.A. and Abbot, C.G.	The Fundamentals of Astronomy	1927
520	Moore, P.	The Amateur Astronomer	1957
520	Moore, P.	Basic Astronomy	1967
520	Moulton, F.R.	An Introduction to Astronomy	1906
520	Muirden, J.	The Pan Book of Astronomy	1964
520	Nichol, J.P.	* The Planetary System	1850
520	Norton, W.A.	* Treatise on Astronomy	1845
520	Olmsted, D.	* Introduction to Astronomy	1844
520	Olmsted, D.	* Letters on Astronomy	1848
520	Plassmann, J.	Kleine Himmelskunde	1924
520	Russell, H.N.	Astronomy; a Revision of Young's Manual of Astronomy	1926
520	Skilling, W.T. and Richardson, R.S.	Astronomy	1947
520	Skilling, W.T. and Richardson, R.S.	A Brief Text in Astronomy	1954
520	Smart, W.M.	Foundations of Astronomy	1942
520	Smart, W.M.	The Sun, the Stars and the Universe	1928
520	Tancock, E.O.	Starting Astronomy	1951
520	Todd, David P.	A New Astronomy	1897
520	Todd, D.P.	Stars and Telescopes	1900
520	Turner, H.H.	Modern Astronomy	1901
520	Van de Kamp, P.	Basic Astronomy	1952
520	Vince, S.	A Complete System of Astronomy, I	1797
520	Vince, S.	A Complete System of Astronomy, II	1797
520	Wells, E.	* The Young Gentleman's Astronomy	1718
520	Wolf, R.	Handbuch der Astronomie	1890
520	Wylie, C.C.	Astronomy, Maps and Weather	1942
520	Young, C.A.	A Text-Book of General Astronomy	1904
520.2	Adams, J.C.	* The Scientific Papers of John Couch Adams, Vol. I	1896
520.2	Adams, J.C.	* The Scientific Papers of John Couch Adams, Vol. II	1900
520.2	Cassini, M.I.D.	* Oeuvres Diverses	1730
520.2	Herschel, W.	* The Scientific Papers of Sir William Herschel, Vol. I	1912
520.2	Herschel, W.	* The Scientific Papers of Sir William Herschel, Vol. II	1912
520.2	Huggins, W.	* The Scientific Papers of Sir William Huggins	1909

520.2	Lowthorp, J.	* The Philosophical Transactions and Collections to the end of Year 1700, Vol. I and Vol. II	1705
520.2	Parsons, W.	* The Scientific Papers of William Parsons, Third Earl of Rosse	1926
520.3	Bizony, M.T. (ed.)	* The Space Encyclopaedia	1957
520.3	Ernst, Br. and De Vries, Tj.E.	* Atlas of the Universe	1961
520.3	Gore, J.E.	* An Astronomical Glossary	1893
520.3	Motz, L. (ed.)	* Astronomy A to Z	1964
520.3	Muller, P.	* Concise Encyclopedia of Astronomy	1968
520.3	Pickering, J.	Thousand and One Questions Answered about Astronomy	1960
520.3	Rudaux, L. and De Vaucouleurs, G.	Larousse Encyclopedia of Astronomy	1959
520.3	Spitz, A. and Gaynor, F.	* Dictionary of Astronomy and Astronautics	1960
520.3	Wallenquist, A.	The Penguin Dictionary of Astronomy	1968
520.4	Aitken, R.G.	The Adolfo Stahl Lectures in Astronomy	1919
520.4	Allen, C.W.	The Framework of Astronomy	1952
520.4	Bok, B.J.	The Astronomer's Universe	1958
520.4	Hale, G.E.	Beyond the Milky Way	1926
520.4	Hoyle, F.	Of Men and Galaxies	1965
520.4	Jacoby, H.	Practical Talks by an Astronomer	1902
520.4	Jeans, J.	Through Space & Time	1949
520.4	Kennedy, C.	A Few Chapters in Astronomy	1898
520.4	Lovell, A.C.B.	The Individual and the Universe	1959
520.4	Millman, P.M.	This Universe of Space	1961
520.4	Shapley, H. and Payne, C.H.	The Universe of Stars	1926
520.6	Chilton, K.E.	Sixty Years in Orbit	1969
520.6	Williamson, I.K.	A History of the Montreal Centre, R.A.S.C.	1968
520.6	Williamson, I.K.	Fifty Times Around the Sun	1968
520.6273	Skyscrapers, Inc.	A Quarter Century of Skyscraping	1957
520.7	Byrd, M.E.	First Observations in Astronomy	1913
520.7	Gillet, J.A. and Rolfe, W.J.	Astronomy for the use of Schools and Academies	1882
520.7	Gore, J.E.	Astronomical Lessons	1890
520.7	Hughes, W.	Astronomical Figures	1849



520.7	Pereiman, Y.	Astronomy for Entertainment	1958
520.7	Popular Science	Astronomy for Amateurs	1934
520.7	Popular Science (ed.)	Everybody's Guide to Astronomy	1934
520.7	Royal College of Science	Demonstrations and Practical Work in Astronomical Physics	1911
520.7	Steele, J.D.	New Descriptive Astronomy	1884
520.7	Stetson, H.T. and Duncan, J.C.	A Manual of Laboratory Astronomy	1928
520.7	Warren, H.W.	Recreations in Astronomy	1879
520.7	Whiting, S.F.	Daytime and Evening Exercises in Astronomy for Schools & Colleges	1912
520.7	Willard, E.	* Astronography; or Astronomical Geography	1856
520.7	Willard, E.	Astronography with the use of Globes	1854
520.7	Willson, R.W.	Laboratory Astronomy	1905
520.74	Adler Planetarium	Adler Planetarium and Astronomical Museum	1933
520.74	King, H.C.	The McLaughlin Planetarium	1968
520.74	Letsch, H.	Captured Stars	1959
520.74	Werner, H.	From the Aratus Globe to the Zeiss Planetarium	1957
520.8	C.I.U.S.	Relations Entre les Phénomènes Solaires et Terrestres	1939
520.8	Hack, M.	Modern Astrophysics; A Memorial to Otto Struve	1967
520.8	Iles, G. (ed.)	The Skies and the Earth	1902
520.8	Joly, J.	The Birth-Time of the World and other Scientific Essays	1915
520.8	Moore, P. (ed.)	Yearbook of Astronomy 1965	1964
520.8	Porter, J.G. (ed.)	Yearbook of Astronomy 1962	1961
520.8	Porter, J.G. (ed.)	Yearbook of Astronomy 1963	1962
520.8	Porter, J.G. (ed.)	Yearbook of Astronomy 1964	1963
520.8	Rapport, S. and Wright, H. (ed.)	Astronomy	1965
520.8	Scientific American	The New Astronomy	1955
520.81	Haber, H.	Stars, Men, and Atoms	1962
520.82	Beer, A. (ed.)	Vistas in Astronomy, Vol.1	1955
520.82	Beer, A.	Vistas in Astronomy, Vol.5	1962
520.82	Beer, A.	Vistas in Astronomy, Vol.10	1968
520.82	Kopal, Z. (ed.)	Advances in Astronomy and Astrophysics, Vol. 2	1963

520.82	Kopal, Z. (ed.)	Advances in Astronomy and Astrophysics, Vol.3	1965
520.82	Kopal, Z.	Advances in Astronomy and Astrophysics, Vol.5	1967
520.82	Shapley, H. (ed.)	Source Book in Astronomy 1900-1950	1960
520.85	Science Journal	The New Universe	1968
520.9	Abetti, G.	The History of Astronomy	1952
520.9	Bailly, M.	* Histoire de L'Astronomie Moderne depuis La Fondation de L'Ecole D'Alexandrie, Vol. II	1779
520.9	Bailly, M.	* Histoire de L'Astronomie Moderne depuis La Fondation de L'Ecole D'Alexandrie, Vol. II	1779
520.9	Bailly, M.	* Histoire de L'Astronomie Ancienne	1781
520.9	Bailly, M.	* Histoire de L'Astronomie Moderne depuis La Fondation de L'Ecole D'Alexandrie, Vol. III	1782
520.9	Bailly, M.	* Traite de L'Astronomie Indienne et Orientale	1787
520.9	Berry, A.	A Short History of Astronomy	1898
520.9	Blake, J.F.	Astronomical Myths	1877
520.9	Bowditch, C.P.	The Numeration, Calendar Systems and Astronomical Knowledge of the Mayas	1910
520.9	Brown, R.	Primitive Constellations of the Greeks, Phoenicians and Babylonians, Vol. I	1899
520.9	Brown, R.	Vol. II	1900
520.9	Clerke, A.M.	A Popular History of Astronomy during the Nineteenth Century	1885
520.9	Costard, G.	* A Letter concerning the Rise and Progress of Astronomy Amongst the Ancients	1746
520.9	Dikshit, S.B.	History of Indian Astronomy up to 1000 B.C., Part I	1969
520.9	Doig, P.	A Concise History of Astronomy	1950
520.9	Dreyer, J.L.E.	A History of Astronomy from Thales to Kepler	1953
520.9	Dreyer, J.L.E.	History of the Planetary System from Thales to Kepler	1906

520.9	Dupuis	* Memoire Explicatif du Zodiaque Chronologique et Mythologique	1806
520.9	Edgar, J.	The Great Pyramid Passages and Chambers, Vol. I	1910
520.9	Epping, J.	Astronomisches aus Babylon	1889
520.9	Fleay, F.G.	Egyptian Chronology	1899
520.9	Forbes, G.	History of Astronomy	1909
520.9	Galilei, Galileo	The Sidereal Messenger of Galileo Galilei	
520.9	Gould, R.T.	John Harrison and his Timekeepers	1958
520.9	Grant, R.	* History of Physical Astronomy from the Earliest Ages to the Middle of the Nineteenth Century	1852
520.9	Hawkins, G.S.	Stonehenge Decoded	1965
520.9	Ionides, S.A.	Stars and Men	1939
520.9	James, H.	Plans and Photographs of Stonehenge and of Turasachan in the Island of Lewis	1867
520.9	Johnson, S.J.	Historical and Future Eclipses	1896
520.9	Kaye, G.R.	The Astronomical Observatories of Jai Singh	1918
520.9	King, H.C.	Exploration of the Universe	1964
520.9	King, H.C.	The History of the Telescope	1955
520.9	Kuhn, T.S.	The Copernican Revolution	1959
520.9	Lewis, G.C.	Astronomy of the Ancients	1862
520.9	Ley, W.	Watchers of the Skies	1963
520.9	Lockyer, J.N.	The Dawn of Astronomy	1894
520.9	Lockyer, N.	Stonehenge and other British Stone Monuments	1906
520.9	Loomis, E.	The Recent Progress of Astronomy	1856
520.9	Luk	History of Astronomy	1830
520.9	MacPherson, H.	A Century's Progress in Astronomy	1906
520	Makemson, M.W.	The Morning Star Rises; an Account of Polynesian Astronomy	1941
520.9	Mitchell, O.M.	The Orbs of Heaven	1903
520.9	Neisser, K.	Ptolemaus oder Kopernikus?	1907
520.9	Olcott, W.T.	Star Lore of All Ages	1911
520.9	Orchard, T.N.	Milton's Astronomy, the Astronomy of "Paradise Lost"	1913
520.9	Plunket, E.M.	The Judgment of Paris	1908
520.9	Proctor, R.A.	The Great Pyramid, Observatory, Tomb and Temple	1898

520.9	Rousseau, P.	Man's Conquest of the Stars	1959
520.9	Schlesinger, F.	Astronomy	1923
520.9	Shapley, H. and Howarth, H.E.	A Source Book in Astronomy	1929
520.9	Slouka, H.	Astronomy in Czechoslovakia	1952
520.9	Thiel, R.	And There was Light	1957
520.9	Toulmin, S. and Goodfield, J.	The Fabric of the Heavens	1961
520.9	Turner, H.H.	Astronomical Discovery	1904
520.9	de Vaucouleurs, G.	Discovery of the Universe	1956
520.9	Warren, W.F.	The Universe as Pictured in Milton's "Paradise Lost"	1915
520.951	Elia, P.M.	Galileo in China	1960
521	Airy, G.B.	* Mathematical Tracts on the Lunar and Planetary Theories	1831
521	Derham, W.	* Astrotheology	1750
521	Mayer, T.	* Tabulae Motuum Solis et Lunae	1770
521	Poincaré, H.	Cours d'Astronomie Générale	1904
521	Souchon, A.	Traite d'Astronomie Theorique	1891
521.1	Moulton, F.R.	An Introduction to Celestial Mechanics	1902
521.1	Plummer, H.C.	An Introductory Treatise on Dynamical Astronomy	1918
521.1	Poincaré, H.	Leçons de Mecanique Celeste, I	1905
521.1	Resal, M.H.	Traite Élémentaire de Mécanique Céleste	1884
521.1	Smart, W.M.	Celestial Mechanics	1953
521.1	Szebehely, V.G.	Celestial Mechanics and Astro- Dynamics	1964
521.1	Van De Kamp, P.	Elements of Astromechanics	1964
521.13	Buchholz, H.	Die Gylden'sche horistische Inte- grationsmethode des Problems der drei Korper	1903
521.3	Dubiaga, A.	The Determination of Orbits	1961
521.3	Newcomb, S.	An Investigation of the Orbit of Uranus	1873
521.3	d'Oppolzer, T.	Traite de la Détermination des Orbites des Comètes et des Planètes	1886
521.3	Tisserand, F.	Leçons sur la Détermination des Orbites	1899

521.41	Brown, E.W.	The Inequalities in the Motion of the Moon	1908
521.5	Newcomb, S.	The Elements of the Four Inner Planets and the Fundamental Constants of Astronomy	1895
521.8	Buchanan, R.	The Maeth	1904
521.8	Meeus, J., Grosjean and Vanderleen	Canon of Solar Eclipses	1966
521.8	Oppolzer, T.	Canon of Eclipses	1962
521.8	Schroeter, J.	Spezieller Kanon der Zentralen Sonnen- und Mondfinsternisse. 600 B.C. to 1800 A.D.	1923
522	Campbell, W.W.	The Elements of Practical Astronomy	1904
522	Chauvenet, W.	A Manual of Spherical and Practical Astronomy: Vol. I	1887
522	Chauvenet, W.	Vol. II	1887
522	Denning, W.F.	Telescopic Work for Starlight Evenings	1891
522	Dick, T.	The Practical Astronomer	1888
522	Dimitroff, G.Z. and Baker, J.G.	Telescopes and Accessories	1945
522	Doolittle, C.L.	A Treatise on Practical Astronomy	1903
522	Hayford, J.F.	A Text-Book of Geodetic Astronomy	1904
522	Hosmer, G.L.	Practical Astronomy	1937
522	Hosmer, G.L. and Robbins, J.M.	Practical Astronomy	1948
522	Main, R.	Practical and Spherical Astronomy	1863
522	Mason, E.P.	* Introduction to Practical Astronomy	1843
522	Mee, A.	Observational Astronomy	1893
522	Miczaika, G.R. and Sinton, W.M.	Tools of the Astronomer	1961
522	Schroeder, W.	Practical Astronomy	1956
522	Sidgwick, J.B.	Amateur Astronomer's Handbook	1955
522	Souchon, A.	Traite d'Astronomie Pratique	1883
522	Warner, W.R. and Swasey, A.	A Few Astronomical Instruments	1900
522	Wilkins, H.P. and Moore, P.	Making and Using a Telescope	1956
522.1058	Moyer, C.I.	Silver Domes	1955
522.19	Chant, C.A.	Astronomy in the University of Toronto	1954

522.19	Gill, D.	A History and Description of the Royal Observatory, Cape of Good Hope	1913
522.19	Hale, G.E.	Ten Year's Work of a Mountain Observatory	1915
522.19	Holden, E.S.	An Account of Recent Progress in Astronomy (1879-1886)	1887
522.19	Maunder, E.W.	The Royal Observatory, Greenwich	1900
522.19	Milham, W.I.	Early American Observatories	1938
522.19	Wright, H.	Palomar	1952
522.2	Bell, L.	The Telescope	1922
522.2	Dick, T.	The Telescope and Microscope	
522.2	Hasluck, P.N.	Telescope Making	1905
522.2	Ingalls, A.G.	Amateur Telescope Making	1928
522.2	Ingalls, A.G.	Amateur Telescope Making Advanced	1937
522.2	Ingalls, A.G.	Amateur Telescope Making Book I	1955
522.2	Ingalls, A.G.	Amateur Telescope Making Book II	1954
522.2	Ingalls, A.G.	Amateur Telescope Making Book III	1953
522.2	Lichtman, P.R.	Engineering Decisions in the Manu- facture of Astronomical Telescopes	1969
522.2	Paul, H.E.	Binoculars and All-Purpose Telescopes	1964
522.2	Paul, H.E.	Telescopes for Skygazing	1965
522.2	Pendray, G.E.	Men, Mirrors and Stars	1935
522.2	Rosen, E.	The Naming of the Telescope	1947
522.21	Ellison, W.F.A.	The Amateur's Telescope	1932
522.21	Fillmore, W.I.	Construction of a Maksutov Telescope	1961
522.21	Howard, N.E.	Standard Handbook for Telescope Making	1959
522.21	Texereau, J.	How to Make a Telescope	1963
522.21	Thompson, A.J.	Making Your Own Telescope	1947
522.29	Rigaux, F.	Les Observatoires Astronomiques et les Astronomes	1955
522.29	Warner & Swasey	The McDonald Telescope	1939
522.41	Ball, J. and Knox-Shaw, H.	A Handbook of the Prismatic Astro- labe	1919
522.41	Russell, A.J.	Champlain's Astrolabe	1879
522.6	Keene, G.T.	Star Gazing with Telescope and Camera	1962
522.6	Mayall, R.N & M. and Wyckoff, J.	The Sky Observer's Guide	1959
522.6	Moore, P. (ed.)	Practical Amateur Astronomy	1963

522.6	Sidgwick, J. B.	Observational Astronomy for Amateurs	1955
522.6	Webb, T.W.	Celestial Objects for Common Telescopes: Vol. I: Solar System	1962
522.6	Webb, T.W.	Celestial Objects for Common Telescopes: Vol. 2: The Stars	1962
522.623	Wood, F. B.	Photoelectric Astronomy for Amateurs	1963
522.63	Barritt, L. and M.	Barritt's Celestial Album	1936
522.63	Bedell, A.L.	An Album of Celestial Photographs	1946
522.63	Galli, Jose	Fotografia Astronomica	1945
522.63	Paul, H.E.	Outer Space Photography	1967
522.63	Paul, H.E.	Telescopes for Skygazing	1965
522.63	Ritchley, G.W.	Astronomical Photography with the Forty-inch and the Two-foot Reflector of Yerkes Observatory	1904
522.63	Schaeberle, J.M.	Terrestrial Atmospheric Absorption of the Photographic Rays of Light	1893
522.63	Selwyn, E.W.H.	Photography in Astronomy	1950
522.63	Texereau, J. and de Vaucouleurs, G.	L'Astrophotographie d'Amateur	1954
522.67	Salet, P.	Spectroscopie Astronomique	1909
522.7	Brunnow, F.	Spherical Astronomy	1865
522.7	Smart, W.M.	Text-Book on Spherical Astronomy	1931
523	Abbot, C.G.	The Earth and the Stars	1925
523	Abell, G.O.	Astronomy for Everybody	1958
523	Adler, I.	The Sun and its Family	1958
523	Aldis, Mrs. W.	Consider the Heavens	1895
523	Arrhenius, S.	The Destinies of the Stars	1918
523	Baker, R.H.	The Universe Unfolding	1932
523	Baker, R.H.	When the Stars Come Out	1934
523	Ball, R.S.	In the High Heavens	1894
523	Ball, R.S.	Star-Land	1913
523	Ball, R.	The Story of the Heavens	1905
523	Bayne, S.G.	The Pith of Astronomy	1896
523	Beckett, E.	Astronomy Without Mathematics	1883
523	Bergamini, D.	The Universe	1962
523	Bernhard, H.J., Bennett, D.A. and Rice, H.S.	New Handbook of the Heavens	1948
523	Budeler, W.	To Other Worlds	1954
523	Chambers, G.F.	The Story of the Solar System	1898

523	Chant, C.A.	Notre Univers Merveilleux	1952
523	Chant, C.A.	Our Wonderful Universe	1940
523	Clason, C.B.	Exploring the Distant Stars	1958
523	Clerke, A.M.	The System of the Stars	1890
523	Davidson, M.	An Easy Outline of Astronomy	1946
523	Denison, E.B.	Astronomy Without Mathematics	1867
523	Dick, T.	Celestial Scenery	1851
523	Dick, T.	The Sidereal Heavens	1855
523	Dolmage, C.G.	Astronomy of To-day	1909
523	Dunkin, E.	The Midnight Sky	1869
523	Elgie, J.H.	Star & Weather Gossip	1915
523	Flammarion, C.	* The Flammarion Book of Astronomy	1964
523	Flammarion, C.	The Wonders of the Heavens	1871
523	Forbes, G.	The Earth, the Sun and the Moon	1928
523	Forbes, G.	The Wonder & the Glory of the Stars	1926
523	Frost, G.E.	Planets, Stars, and Atoms	1946
523	Gamow, G.	The Birth and Death of the Sun	1940
523	Gore, J.E.	Astronomical Curiosities	1909
523	Gore, J.E.	The Scenery of the Heavens	1892
523	Gore, J.E.	Studies in Astronomy	1904
523	Gregory, R.A.	The Vault of Heaven	1893
523	Grover, F.W.	The Pageant of the Heavens	1937
523	Hamilton, J.	Our Own and Other Worlds	1903
523	Harding, A.M.	Astronomy	1935
523	Hargreaves, F.J.	The Size of the Universe	1948
523	Henderson, A.C.	A Popular Introduction to Astronomy	1905
523	Herschel, J.F.W.	A Treatise on Astronomy	1833
523	Hinks, A.R.	Astronomy	1911
523	Hoyle, F.	Frontiers of Astronomy	1955
523	Jeans, J.	The Stars in their Courses	1931
523	Jeans, J.	The Universe Around Us	1929
523	Jones, H.S.	Worlds Without End	1935
523	Kempf, P.	Populare Astronomie	1911
523	King, H.C.	Astronomy	1960
523	King, H.C.	Book of Astronomy	1966
523	King, H.C.	Pictorial Guide to the Stars	1967
523	Kippax, J.R.	The Call of the Stars	1914
523	Langley, S.P.	The New Astronomy	1889
523	Lardner, D.	Popular Astronomy	1856
523	Lugo, F.A.	El Hombre Ante El Universo	1960
523	Luyten, W.J.	The Pageant of the Stars	1929
523	Lynn, W.T.	Celestial Motions	1894



523	Lyttleton, R.A.	The Modern Universe	1956
523	Lyttleton, R.A.	The Modern Universe	1957
523	MacPherson, H.	Modern Astronomy, its Rise and Progress	1926
523	Maloney, T.	The Sky at Night	1963
523	Marshall, R.K.	Sun, Moon, and Planets	1952
523	Maunder, A.S.D. and Maunder, W.	The Heavens and Their Story	1908
523	Mayall, N.&M. and Wyckoff, J.	The Sky Observer's Guide	1959
523	McKready, K.	A Beginner's Star-Book	1912
523	Miller, R.K.	Romance of Astronomy	1873
523	Mitchel, O.M.	Popular Astronomy	1860
523	Moore, P.	The Observers Book of Astronomy	1965
523	Moreux, Th.	Astronomy To-day	1926
523	Moreux, Th.	Le Ciel et l'Univers	1928
523	Moulton, F.R.	Consider the Heavens	1935
523	Newcomb, S.	Popular Astronomy	1878
523	Newcomb, S.	The Stars	1902
523	Newcomb, S.	Astronomy for Everybody	1904
523	Nichol, J.P.	* The Architecture of the Heavens	1851
523	Nichol, J.P.	Views of the Architecture of the Heavens	1845
523	Nordmann, C.	The Kingdom of the Heavens	1923
523	Opik, E.J.	The Oscillating Universe	1960
523	Parkes, S.H.	Unfinished Worlds	1888
523	Phillips, R.	* The Wonders of the Heavens	1820
523	Phillips, R.	The Wonders of the Telescope	1809
523	Phillips, T.E.R. and Steavenson, W.H.	Splendour of the Heavens Vol. II	1923
523	Price, E.W.	The Essence of Astronomy	1914
523	Proctor, R.A.	Essays on Astronomy	1872
523	Proctor, R.A.	The Expanse of Heaven	1875
523	Proctor, R.A.	Mysteries of Time and Space	1886
523	Proctor, R.A.	Old and New Astronomy	1892
523	Proctor, R.A.	Our Place Among Infinities	1876
523	Proctor, R.A.	The Universe and the Coming Transits	1874
523	Proctor, R.A.	The Universe of Suns and other Science Gleanings	1884
523	Richardson, R.S.	The Fascinating World of Astronomy	1960
523	Rudaux, L.	Sur les Autres Mondes	1937

523	Serviss, G.P.	Astronomy with an Opera Glass	1961
523	Serviss, G.P.	Curiosities of the Sky	1909
523	Serviss, G.P.	Round the Year with the Stars	1910
523	Shapley, H.	Starlight	1926
523	Shapley, H.	The View from a Distant Star	1964
523	Sidgwick, J.B. and Green, W.K.	The Heavens Above	1948
523	Sidgwick, J.B.	Introducing Astronomy	1951
523	Smart, W.M.	The Sun, the Stars and the Universe	1928
523	Smith, A.	Smith's Illustrated Astronomy	1862
523	Stetson, H.T.	Man and the Stars	1930
523	Stirling, W.	New Theories in Astronomy	1906
523	Stokley, J.	Stars and Telescopes	1936
523	Struve, O. and Zebergs, V.	Astronomy of the 20th Century	1962
523	Sullivan, J.W.N.	Present Day Astronomy	
523	Swift, L.	Simple Lessons in Astronomy	1890
523	Thomas, O.	Heaven and Earth	1930
523	Thomas, O.	The Heavens and the Universe	1930
523.01	Aller, L.H.	Astrophysics. The Atmospheres of the Sun and Stars	1953
523.01	Clerke, A.M.	Problems in Astrophysics	1903
523.01	Croll, J.	Stellar Evolution	1889
523.01	Dingle, H.	Modern Astrophysics	1924
523.01	Eddington, A.S.	The Internal Constitution of the Stars	1926
523.01	Emden, R.	Gaskugeln Anwendungen der Mechanischen Wärmetheorie	1907
523.01	Jeans, J.H.	Problems of Cosmogony and Stellar Dynamics	1919
523.01	Liege, Univ. de	Les Molecules dans les Astres	1957
523.01	Payne, C.H.	Stellar Atmospheres	1925
523.01	Stratton, F.J.M.	Astronomical Physics	1925
523.01	Swihart, T.L.	Astrophysics and Stellar Astronomy	1968
523.016	Calder, N.	Radio Astronomy	1958
523.016	Davies, R.D.	Radio Studies of the Universe	1959
523.016	Lovell, A.C.B.	Radio Astronomy	1952
523.016	Pfeiffer, J.	The Changing Universe	1956
523.016	Piddington, J.H.	Radio Astronomy	1961
523.016	Smith, F.G.	Radio Astronomy	1960
523.1	Arrhenius, S.	Worlds in the Making	1908
523.1	Asimov, I.	The Universe	1966

523.1	Burbidge, G.&M.	Quasi-Stellar Objects	1967
523.1	Cassidy, W.J.	Age of Creation	1887
523.1	Clerke, A.M.	Modern Cosmogonies	1905
523.1	Coleman, J.A.	Early Theories of the Universe	1967
523.1	Coleman, J.A.	Modern Theories of the Universe	1963
523.1	Gamow, G.	The Creation of the Universe	1952
523.1	Heuer, K.	The Next Fifty Billion Years	1957
523.1	Hoyle, F.	The Nature of the Universe	1953
523.1	Jeans, J.H.	Astronomy and Cosmogony	1928
523.1	Jeans, J.	The Universe Around Us	1953
523.1	Kahn, F.P. and Palmer, H.P.	Quasars	1967
523.1	Lepper, G.H.	From Nebula to Nebula	1919
523.1	McCrea, W.H.	Cosmology	1969
523.1	Munitz, M.K.	Theories of the Universe	1957
523.1	Ovenden, M.W.	Life in the Universe	1962
523.1	Page, T. (ed.)	Stars and Galaxies	1962
523.1	Scientific American	The Universe	1957
523.1	Singh, J.	Great Ideas and Theories of Modern Cosmology	1961
523.1	Space Science Board	Galactic and Extragalactic Astronomy (Chapter VIII of a report)	1960
523.1	Whitrow, G.J.	The Structure and Evolution of the Universe: an Introduction to Cosmology	1959
523.1	Woltjer, L.	Galaxies and the Universe	1968
523.11	Eddington, A.S.	Stellar Movements and the Structure of the Universe	1914
523.11	Kobold, H.	Der Bau des Fixsternsystems	1906
523.112	Hindman, J.V. (ed.)	Symposium on the Magellanic Clouds	1965
523.112	Hubble, E.P.	The Realm of the Nebulae	1936
523.112	McVittie, G.C. (ed.)	Problems of Extra-Galactic Research	1962
523.112	Sandage, A.	* Hubble Atlas of Galaxies	1961
523.112	Shapley, H.	Galaxies	1943
523.112	van den Bergh, S.	The Galaxies of the Local Group	1968
523.113	Bok, B.J. & P.F.	The Milky Way	1941
523.113	Bova, B.	The Milky Way Galaxy	1961
523.1135	Aller, L.H. and Liller, W.	Planetary Nebulae	1968
523.12	Ball, R.S.	The Earth's Beginning	1909
523.12	Stanley, W.F.	Notes on the Nebular Theory	1895
523.13	Flammarion, C.	Dreams of an Astronomer	1923

523.13	Jastrow, R.	Red Giants and White Dwarfs	1967
523.13	Jones, H.S.	Life on Other Worlds	1940
523.13	Oparin, A. and Fesenkov, V.	The Universe	1957
523.13	Proctor, R.A.	Other Worlds Than Ours	1870
523.13	Sullivan, W.	We are Not Alone	1966
523.13	Wallace, A.R.	Man's Place in the Universe	1903
523.13	Younghusband, F.	Life in the Stars	1927
523.18	Eddington, A.	The Expanding Universe	1952
523.2	Berlage, H.P.	The Origin of the Solar System	1968
523.2	Chamberlin, T.C.	The Two Solar Families	1928
523.2	Gifford, A.C.	In Starry Skies: Part XIII The Solar System	1935
523.2	Kuiper, G.P. (ed.)	The Solar System: Vols. I, II, III	1953
523.2	Parson, G.	Discovery of the Earth	1929
523.2	Poor, C.L.	The Solar System	1908
523.2	Russell, H.N.	The Solar System and its Origin	1935
523.2	Taylor, F.B.	The Planetary System	1903
523.2	Whipple, F.L.	Earth, Moon and Planets	1941
523.3	Alter, D.	Introduction to the Moon	1958
523.3	Baldwin, R.B.	The Moon: A Fundamental Survey	1965
523.3	Fauth, P.	The Moon in Modern Astronomy	1907
523.3	Firsoff, V.A.	The Moon	1966
523.3	Fisher, C.	The Story of the Moon	1943
523.3	Gamow, G.	The Moon	1959
523.3	King, H.C.	The World of the Moon	1966
523.3	Kopal, Z.	The Moon, Our Nearest Celestial Neighbour	1960
523.3	Ley, W.	Ranger to the Moon	1965
523.3	Moore, P.	A Guide to the Moon	1953
523.3	Moreux, Th.	A Day in the Moon	1913
523.3	Pickering, W.H.	The Moon	1903
523.3	Proctor, R.A.	The Moon	1873
523.3	Serviss, G.P.	The Story of the Moon	1929
523.3	Wilkins, H.P. and Moore, P.	The Moon	1955
523.34	Baldwin, R.B.	The Face of the Moon	1949
523.34	Blagg, M.A. and Saunders, S.A.	Collated List of Lunar Formations	1913
523.34	Firsoff, V.A.	The Surface of the Moon	1961
523.34	Neison, E.	The Moon and the Condition and Configurations of its Surface	1876

523.39	Alter, D.	Pictorial Guide to the Moon	1963
523.4	Firsoff, V.A.	The Interior Planets	1968
523.4	Firsoff, V.A.	Our Neighbour Worlds	1952
523.4	Martin, M.E.	The Ways of the Planets	1912
523.4	Page, T. & L.W.	Neighbours of the Earth	1965
523.4	Page, T. & L. (ed.)	Wanderers in the Sky,	1965
523.4	Space Science Board	The Planets. Chapter V of a report	1960
523.42	Moore, P.	The Planet Venus	1956
523.43	Brenner, L.	Mars-Beobachtungen 1896-97	1898
523.43	Flammarion, C.	* La Planète Mars	1892
523.43	Flammarion, C.	La Planète Mars	1909
523.43	Housden, C.E.	The Riddle of Mars	1914
523.43	Ley, W.	Mariner IV to Mars	1966
523.43	Lowell, P.	Mars and its Canals	1906
523.43	Lowell, P.	Mars as the Abode of Life	1910
523.43	Moore, P.	Guide to Mars	1956
523.43	Morse, E.S.	Mars and Its Mystery	1906
523.43	Nelson, E.	There is Life on Mars	1955
523.43	Pickering, W.H.	Mars	1921
523.43	Slipher, E.C.	A Photographic History of Mars	1962
523.43	De Vaucouleurs, G.	Physics of the Planet Mars	1954
523.45	Peek, B.M.	The Planet Jupiter	1958
523.45	Williams, A.	Zenographical Fragments. I. The motions and changes of markings on Jupiter in the apparition of 1886-7	1889
523.45	Williams, A.	Zenographical Fragments. II. The motions and changes of the markings on Jupiter in 1888	1909
523.46	Alexander, A.F.O'D.	The Planet Saturn	1962
523.46	Proctor, R.A.	Saturn and its System	1882
523.48	Grosser, M.	The Discovery of Neptune	1962
523.5	Hawkins, G.S.	Meteors, Comets and Meteorites	1964
523.5	Lick Observatory	Meteors and Sunsets Observed by the Astronomers of Lick Observatory in 1893, 1894 and 1895	1895
523.5	Millman, P.M. and McKinley, D.W.R.	Meteors (reprinted from "The Solar System" Volume 4)	1963
523.5	Olivier, C.P.	Meteors	1925
523.5	Watson, F.G.	Between the Planets	1956
523.51	American Meteorite Museum	The Nininger Collection of Meteorites	1950

523.51	Farrington, O.C.	Meteorites; their Structure, Composition and Terrestrial Relations	1915
523.51	Flight, W.	A Chapter in the History of Meteorites	1887
523.51	Heide, F.	Meteorites	1963
523.51	Lockyer, J.N.	The Meteoritic Hypothesis	1890
523.51	Nininger, H.H.	Out of the Sky	1952
523.51	O'Keefe, J.A. (ed.)	Tektites	1963
523.59	Hope, E.R.	The Earth's Exterior Atmosphere and the Counter-glow	1954
523.59	Jones, G.	Observations on the Zodiacal Light from April 2, 1853 to April 22, 1855	1856
523.6	Chambers, G.F.	The Story of the Comets	1909
523.6	Guillemin, A.	The World of Comets	1877
523.6	Liège, Univ. de	Nature et Origine des Comètes	1966
523.6	Olivier, C.P.	Comets	1930
523.6	Proctor, M.	Comets; their Nature, Origin and Place in the Science of Astronomy	1937
523.6	Williams, J.	Observations of Comets from B.C. 611 to A.D. 1640	1871
523.64	Barnard, E.E.	Visual Observations of Halley's Comet in 1910	1914
523.64	Lynn, W.T.	Remarkable Comets	1901
523.64	Pickering, W.H.	The Return of Halley's Comet with Remarks on Comets in General	1910
523.64	Shaw, H.K.	Observations of Halley's Comet made at the Khedivial Observatory, Helwan	1911
523.64	Zwack, G.M.	The Return of Halley's Comet and Popular Apprehensions	1910
523.7	Abbot, C.G.	The Sun	1911
523.7	Abetti, G.	Solar Research	1963
523.7	Abetti, G.	The Sun	1957
523.7	Am. Academy of Arts and Sciences	Conference on the Sun in the Service of Man	1951
523.7	Bosler, J.	Les Théories Modernes du Soleil	1910
523.7	Bruhat, G.	Le Soleil	1931
523.7	Carr, N.T.	The Sun	1883
523.7	Conseil Int. des Unions Scient.	Relations entre les Phénomènes Solaires et Terrestres	1936
523.7	Kedzie, J.H.	Solar Heat, Gravitation and Sun Spots	1886

523.7	Menzel, D.H.	Our Sun: first edition	1950
523.7	Menzel, D.H.	Our Sun: revised edition	1959
523.7	Newton, H.W.	The Face of the Sun	1958
523.7	Space Science Bd.	The Sun. Chapter VI of a report	1960
523.7	Stetson, H.T.	Sunspots in Action	1947
523.7	Webb, T.W.	The Sun	1885
523.73	DeLury, R.E.	The Law of the Solar Rotation	1939
523.74	Carrington, R.C.	Observations of the Spots on the Sun from November 9, 1853 to March 24, 1861	1863
523.77	Cimino, M.	Proceedings of the Meeting on Solar Magnetic Fields and High Resolution Spectroscopy	1966
523.77	Kirchhoff, G.	Researches on the Solar Spectrum and the Spectra of the Chemical Elements	1862
523.78	Ashe, C.	The Proceedings of the Canadian Eclipse Party, 1869	1870
523.78	Chambers, G.F.	The Story of Eclipses	1899
523.78	Lewis, I.M.	A Handbook of Solar Eclipses	1924
523.78	Lockyer, N.	Recent and Coming Eclipses	1897
523.78	Maunder, E.W.	The Indian Eclipse 1898	1899
523.78	Maunder, E.W.	The Total Solar Eclipse 1900	1901
523.78	Mitchell, S.A.	Eclipses of the Sun	1923
523.78	Mitchell, S.A.	The Recent Total Eclipse of the Sun	1926
523.78	Naegamvala, K.D.	Report on the Total Solar Eclipse of January 21-22, 1898	1902
523.78	Schaeberle, J.	Report on the Total Eclipse of the Sun, observed at Mina Bronces, Chile, on April 16, 1893	1895
523.78	Todd, M.L.	Total Eclipses of the Sun	1900
523.79	Nolan, B.A.	Solar Filtergrams	1970
523.8	Adler, I.	The Stars: Steppingstones into Space	1956
523.8	Bok, B.J.	The Distribution of the Stars in Space	1937
	Merrill, P.W.	and Spectra of Long-Period Variable Stars	1940
523.8	Campbell, W.W.	Stellar Motions	1913
523.8	Clerke, A.M.	The System of the Stars	1905
523.8	Doig, P.	An Outline of Stellar Astronomy	1927
523.8	Gaposchkin, C.	Stars in the Making	1952
523.8	Gifford, A.C.	In Starry Skies	1937
523.8	Goldberg, L.	Atoms, Stars and Nebulae	1943

523.8	Gore, J.E.	The Stellar Heavens	1903
523.8	Kurth, R.	Introduction to Stellar Statistics	1967
523.8	Monck, W.H.S.	An Introduction to Stellar Astronomy	1899
523.8	Newcomb, S.	The Stars; A Study of the Universe	1901
523.8	O'Connell, D.J.K.	Stellar Populations	1958
523.8	Page, T. & L.W.	The Evolution of Stars	1968
523.8	Page, T. & L.W.	Starlight	1967
523.8	Payne, C.H.	The Stars of High Luminosity	1930
523.8	Reddish, V.C.	The Evolution of the Galaxies	1967
523.8	Russell, H.N.	The Masses of the Stars	1940
523.83	Eddington, A.S.	Stellar Movements and the Structure of the Universe	1914
523.841	Aitken, R.G.	The Binary Stars	1935
523.841	See, T.J.J.	Researches on the Evolution of the Stellar Systems, Vol. I	1896
523.844	Campbell, L. and Jacchia, L.	The Story of Variable Stars	1941
523.844	Chilton, K.E.	Observing Variable Stars - with Binoculars	1970
523.844	Furness, C.E.	An Introduction to the Study of Variable Stars	1915
523.844	Mayall, M.W.	Manual for Observing Variable Stars	1957
523.844	Merrill, P.W.	The Nature of Variable Stars	1938
523.84426	Campbell, L.	Studies of Long Period Variables	1955
523.8446	Gaposchkin, C.H.	The Galactic Novae	1957
523.8446	Vogel, H.C.	Meuen Stern Im Fuhrmann	1893
523.85	Shapley, H.	Star Clusters	1930
523.85	Wurm, K. & Rosino, L.*	Monochromatic Atlas of the Orion Nebula	1959
523.86	Greenstein, J.L.	Stellar Atmospheres	1961
523.86	Hale, G.E.	The Study of Stellar Evolution	1908
523.86	Liège, Univ. de	Modeles d'Etoiles et Evolution Stellaire (English and French)	1959
523.87	I.A.U. (Batten, A.H. and Heard, J.F.)	Determination of Radial Velocities and Their Applications (Symposium No. 30, 1966)	1967
523.87	Liège, Univ. de	Etoiles a Raies d'Emission (English and French)	1958
523.89	Allen, R.H.	Star Names and Their Meanings	1899
523.89	Allen, R.H.	Star Names: Their Lore and Meaning	1963
523.89	Barton, S.G. & W.H.	A Guide to the Constellations	1928



523.89	Barton, W.H.	Starcraft	1938
523.89	Brown, R.	Researches into the Origin of the Primitive Constellations, Vol.I	1899
523.89	Brown, R.	Vol.II	1900
523.89	Clark, L. & Sadler, H.	The Star-Guide	1886
523.89	Colas, J.A.	Celestial Handbook	1892
523.89	Gore, J.E.	Southern Stellar Objects	1877
523.89	Gore, J.E.	Star Groups	1891
523.89	Hill, R.	Stars and Constellations	1885
523.89	Inglis, R.M.G.	A New Popular Star Atlas (Epoch 1950)	1959
523.89	Lampkin, R.H.	Naked Eye Stars	1962
523.89	Leggett, E.B.	Stars and their Uses	1925
523.89	MacPherson, H.	Guide to the Stars	1943
523.89	Martin, M.E. (rev. by Menzel, D.H.)	The Friendly Stars	1964
523.89	Mayall, R.N. & M.W.	A Beginner's Guide to the Skies	1960
523.89	Menzel, D.H.	A Field Guide to the Stars and Planets	1964
523.89	Moore, P.	The Observer's Book of Astronomy	1962
523.89	Nealy, H.M.	The Stars by Clock & Fist	1956
523.89	Norton, A.P.	A Star Atlas and Reference Handbook (1927, 1937, 1950, 1959, 1966)	
523.89	Olcott, W.T.	A Field Book of the Stars	1935
523.89	Orr, M.A.	Stars of the Southern Skies	1915
523.89	Pickering, J.S.	The Stars are Yours	1948
523.89	Proctor, R.A.	Half-hours with the Telescope	1880
523.89	Proctor, R.A.	A New Star Atlas	1887
523.89	Rey, H.A.	The Stars, a New Way to See Them	1952
523.89	Serviss, G.P.	Astronomy with the Naked Eye	1908
523.89	Serviss, G.P.	Round the Year with the Stars	1910
523.89	Smyth, W.H. & Chambers, G.F.	A Cycle of Celestial Objects	1881
523.89	Whyte, C.	The Constellations and their History	1928
523.89	Young, C.A.	Uranography	1917
523.89	Zadde, A.J. (rev. by Smits, T.A.)	Making Friends with the Stars	1963
523.96	Forbes, G.	The Transit of Venus	1874
524	Brown, B.	Astronomical Atlases, Maps & Charts	1932
524	Halley, E.	* Tabulae Astronomicae	1749
524.2	Stahlman, W.D. & Gingerich, O.	Solar and Planetary Longitudes for Years -2500 to +2000	1963

524.3	Atlas Luni	* Far Side of the Moon	1960
524.3	Blagg, M.A. & Muller, K.	* Named Lunar Formations	1935
524.3	Kuiper, G.P.	* Photographic Lunar Atlas	1960
524.4	Eckert, W.J. et al	* Coordinates of the Five Outer Planets for 1653-2060	1950
524.44	Reinmuth, K.	* Katalog Kleiner Planeten (2 vols.)	1960
524.8	Becvar, A.	* Atlas of the Heavens (Catalogue)	1964
524.8	Becvar, A.	* Atlas Coeli 1950.0	1956
524.8	Becvar, A.	* Atlas Eclipticalis 1950.0	1958
524.8	Downing, A.M.W.	* Taylor's General Catalogue of Stars for the Equinox 1835.0	1901
524.8	Grant, R.	* Catalogue of 6415 Stars for the Epoch 1870	1883
524.8	Jamieson, A.	* Celestial Atlas accompanied by Catalogues of the Stars	1822
524.8	Stone, E.J.	* Catalogue of 6424 Stars for the Epoch 1890	1894
524.8	Schlesinger, F. & Jenkins, L.F.	* Catalogue of Bright Stars	1940
524.81	Schlesinger, F.	* General Catalogue of Stellar Parallaxes	1924
524.81	Schlesinger, F.	* General Catalogue of Stellar Parallaxes	1935
524.81	Stearns, C.L.	* Stellar Parallaxes	1960
524.83	Porter, J.G. et al	* A Catalog of 1474 Stars with Proper Motions Exceeding 0".4 Year	1930
524.83	Luyten, W.J.	* A Catalogue of 1849 Stars with Proper Motions Exceeding 0".5 Year	1955
524.84	Burnham, S.W.	* General Catalogue of Double Stars Within $121^{\circ}$ of the North Pole	1906
524.84	Rossiter, R.A.	* Catalogue of Southern Double Stars	1955
524.844	Kitamura, M.	* Tables of the Characteristic Functions of the Eclipse and the Related Delta-Functions for Solution of Light Curves of Eclipsing Binary Systems	1967
524.844	Kukarkin, B.V. et al	* General Catalogue of Variable Stars Vol.I Constellations Andromeda-Grus	1969
524.844	Schneller, H.	* Geschichte und Literatur des Lichtwachsels der Veranderlichen Sterne	1957

524.844	Schneller, H.	* Tafeln zur Berechnung der Elemente von Randverdunkelten Bedeckungsveränderlichen	1959
524.85	Hoag, A.A. et al.	* Catalogue of 70 Galactic Cluster Fields	1961
524.85	Sandage, A.	* The Hubble Atlas of Galaxies	1961
524.85	Wurm, K. & Rosino, L.	* Monochromatic Atlas of the Orion Nebula	1959
524.87	Moore, C.E.	* A Multiplet Table of Astrophysical Interest. Part I	1945
524.87	Moore, C.E.	* Part II	1945
524.87	Plaskett, J.S. et al	* The Radial Velocities of 594 Stars	1921
524.87	Voute, J.	* First Catalogue of Radial Velocities	1920
524.87	Wilson, R.E.	* General Catalogue of Stellar Radial Velocities	1953
525.6	Darwin, G.H.	The Tides	1898
525.6	Ruthven, J.F.	Moxly's Theory of the Tides	1911
525.6	Wheeler, W.H.	A Practical Manual of Tides and Waves	1906
526	Dickson, H.N.	Maps: How they are made; How to read them	1912
526.1	Zakatov, P.	A Course in Higher Geodesy	1962
526.8	Deetz, C.H. & Adams, O.S.	Elements of Map Projection	1934
526.8	De Morgan, A.	* An Explanation of the Gnomonic Projection	1836
527	Chichester, F.	Astro-Navigation (Part 4)	1942
527	Hastings, F.S.	Navigation	1918
527	Kelly, P.	* Spherics and Nautical Astronomy	1822
527	Norie, J.W.	Practical Navigation and Nautical Astronomy	1894
527	Rust, A.	Ex-meridian Tables	1908
527	Shute, W.G., Shirk, W.W., Porter, G. & Hemenway, C.	An Introduction to Navigation and Nautical Astronomy	1944
527	Symonds, W.P.	Nautical Astronomy	1912
527	U.S. Navy Dept.	Tables to Facilitate the Reduction of Places of the Fixed Stars	1873
528	Nautical Almanac Offices	Explanatory Supplement to the Astronomical Ephemeris	1961
529	Asimov, I.	The Clock we Live On	1963
529	Haliburton, R.G.	New Materials for the History of Man	1920

529	Kugler, F.X.	Die Babylonische Mondrechnung	1900
529.3	Le Sueur, A.W.P.	A New Calendar for the Space Age	1965
529.3	Plunket, E.M.	Ancient Calendars and Constellations	1903
529.3	Wilson, P.W.	The Romance of the Calendar	1937
529.5	Achelis, E.	The World Calendar	1937
529.7	Zinner, E.	Die Altesten Raderuhren und Modernen Sonnenuhren	1939
529.78	Gatty, Mrs.A.	The Book of Sun-Dials	1900
529.78	Henslow, T.G.W.	Ye Sundial Booke	1914
529.78	Klotz, O.	Sun Dials	1920
529.78	Mayall, R.N. & M.	Sundials	1938
530	Comstock, D.F. & Troland, L.T.	The Nature of Matter and Electricity	1917
530	Dolbear, A.E.	Matter, Ether, and Motion	1903
530	Hogg, J.	Elements of Experimental and Natural Philosophy	1861
530	Lemon, H.B.	From Galileo to the Nuclear Age	1946
530	Lodge, O.	Energy	1929
530	Ripley, J.A. Jr.	The Elements and Structure of the Physical Sciences	1964
530	Soddy, F.	Matter and Energy	
530	Somerville, M.	On the Connection of the Physical Sciences	1834
530	Taylor, L.W.	Fundamental Physics	1943
530	Thomson, W. & Tait, P.G.	Treatise on Natural Philosophy, Vol. I	1867
530.01	Eddington, A.	The Philosophy of Physical Science	1949
530.01	Jeans, J.H.	The New Background of Science	1933
530.01	Jeans, J.	Physics & Philosophy	1943
530.01	Lodge, O.	Ether & Reality	1925
530.01	Lodge, O.	My Philosophy	1933
530.01	Poincaré, H.	Science and Hypothesis	1905
530.01	Poincaré, H.	The Value of Science	1907
530.1	Abro, A.	The Evolution of Scientific Thought from Newton to Einstein	1950
530.1	Erwin, M.	The Universe and the Atom	1916
530.1	Gamow, G.	Mr. Tompkins in Wonderland	1939
530.1	Larmor, J.	Aether and Matter	1900
530.11	Barnett, L.	The Universe and Dr. Einstein	1950
530.11	Bonnor, W.B.	Status of General Relativity	1969
530.11	Coleman, J.A.	Relativity for the Layman	1954
530.11	Thirring, J.H.	The Ideas of Einstein's Theory	1921

530.12	Shore, B.W. & Menzel, D.H.	Principles of Atomic Spectra	1968
530.2	Motte, A. (trans.)	Newton's Principia and Newton's System of the World	1846
530.2	Poynting, J.H.	Collected Scientific Papers	1920
530.2	Reynolds, O.	Papers on Mechanical and Physical Subjects (Vol. III)	1903
530.4	Eddington, A.S.	The Nature of the Physical World	1929
530.9	Whetham, W.C.D.	The Recent Development of Physical Science	1904
531	Lamb, H.	Higher Mechanics	1929
531	Loudon, J. & Chant, C.A.	Syllabus of Elementary Mechanics	1892
531	Parkinson, S.	An Elementary Treatise on Mechanics	1863
531.2	Briggs, W. & Bryan, G.H.	The Tutorial Statics	1905
531.2	Todhunter, I.	Analytical Statics	1858
531.3	Briggs, W. & Bryan, G.H.	The Tutorial Dynamics	1906
531.3	Routh, E.J.	Dynamics of a System of Rigid Bodies	1860
531.3	Tait, P.G. & Steele, W.J.	A Treatise on the Dynamics of a Particle	1865
531.34	Gray, A.	A Treatise on Gyrostatics and Rotational Motion	1918
531.5	Todhunter, I.	A History of the Mathematical Theories of Attraction and the Figure of the Earth. Vol. I	1873
531.5	Todhunter, I.	Vol. II	1873
531.51	Muses, C.A.	A More Exact Theory of Gravitation Deducible in part from the Solar Observations of J.D. Cassini	1965
531.51	Space Science Board	The Nature of Gravitation; Chap. II of a report	1960
532	Besant, W.H.	Hydrostatics and Hydrodynamics	1859
532	Lardner, D.	*Hydrostatics and Pneumatics	1834
532	Miller, W.H.	The Elements of Hydrostatics and Hydrodynamics	1850
532.1	Worthington, A.M.	The Splash of a Drop	1895
532.5	Lamb, H.	A Treatise on the Mathematical Theory of the Motion of Fluids	1879
532.6	Taylor, W.	A New View of Surface Forces	1925
534	Bragg, W.	The World of Sound	1925

535	Bragg, W.	The Universe of Light	1933
535	Southall, J.P.C.	The Principles and Methods of Geometrical Optics	1910
535	Strong, J.D.	Concepts of Classical Optics	1958
535.1	Airy, G.B.	On the Undulatory Theory of Optics	1866
535.1	Drude, P.	The Theory of Optics	1929
535.1	Preston, T.	The Theory of Light	1895
535.1	Schuster, A.	An Introduction to the Theory of Optics	1904
535.1	Thompson, K.	Baltimore Lectures on Molecular Dynamics and the Wave Theory of Light	1904
535.2	Glazebrook, R.T.	Physical Optics	1883
535.2	Robertson, J.K.	Introduction to Physical Optics	1929
535.2	Wood, R.W.	Physical Optics	1905
535.4	Williams, W.E.	Applications of Interferometry	1943
535.6	Luckiesh, M.	The Language of Color	1918
535.8	French, J.W.	Applied Optics. Vol. I	1918
535.8	Hatschek, P.	Electron-optics	1944
535.8	Johnson, B.K.	Practical Optics for the Laboratory and Workshop	1922
535.8	Stokes, G.G.	On Light as a Means of Investigation	1885
535.81	Baker, A.L.	Thick-Lens Optics	1912
535.84	Baly, E.C.C.	Spectroscopy	1905
535.84	Garbasso, A.	Vorlesungen über Theoretische Spek- troskopie	1906
535.84	Hagenbach, A. & Konon, H.	Atlas of Emission Spectra of most of the Elements	1905
535.84	Lockyer, N.	Inorganic Evolution as studied by Spectrum Analysis	1900
535.84	Newall, H.F.	The Spectroscope and Its Work	1910
535.84	Reid, R.W.	The Spectroscope	1965
535.84	Roscoe, H.E.	Spectrum Analysis	1873
535.84	Sawyer, R.A.	Experimental Spectroscopy	1963
535.84	Schellen, H.	Spectrum Analysis	1872
536.1	Clausius, R.	The Mechanical Theory of Heat	1879
537.1	Fournier, E.E.	The Electron Theory	1906
537.1	Hoag, J.B.	Electron Physics	1929
537.1	Maxwell, J.C.	A Treatise on Electricity and Magnetism. Vol. I	1873
537.1	Maxwell, J.C.	Vol. II	1873
537.1	Millikan, R.A.	The Electron	1917

537.1	Richardson, O.W.	The Electron Theory of Matter	1916
537.1	Thomson, J.J.	Electricity and Matter	1904
537.53	Terrill, H.M. & Ulrey, C.T.	X-Ray Technology	1930
537.83	Higgs, P.	The Electric Light in its Practical Application	1879
538.7	Black, F.A.	Terrestrial Magnetism	1905
538.7	Chree, C.	Studies in Terrestrial Magnetism	1912
538.7	Space Science Board	Physics of Fields and Energetic Particles in Space; Chap.VII of a report	1960
538.72	Galbar-Puertas, C.	Variacion Secular Del Campo Geomagnetico	1953
538.768	Capron, J.R.	Aurorae: Their Characters and Spectra	1879
538.768	Dungey, J.W.	The Aurora	1970
538.768	Lemström, M.	L'Aurore Boréale	1886
538.768	De Mairan	* Traite Physique et Historique de l'Aurore Boréale	1754
538.768	Petrie, W.	Keoeeit: The Story of the Aurora Borealis	1963
538.768	Stormer, C.	Bericht uber Eine Expedition Nach Bossekop	1911
538.78	Lefroy, J.H.	Diary of a Magnetic Survey of a Portion of the Dominion of Canada	1883
539	Duncan, R.K.	The New Knowledge	1905
539.1	Crehore, A.C.	The Mystery of Matter and Energy	1917
539.14	Gamow, G.	Mr. Tompkins Explores the Atom	1951
539.14	Kramers, H.A. & Holst, H.	The Atom and the Bohr Theory of its Structure	1923
539.7	Rutherford, E.	Radio-activity	1904
539.7	Smyth, H.D.	Atomic Energy for Military Purposes	1945
539.7223	Hopper, V.D.	Cosmic Radiation and High Energy Interactions	1964
540	Tilden, W.A.	Introduction to the Study of Chemical Philosophy	1884
540.3	Hopkins, A.A.	The Scientific American Cyclopedia of Formulas	1932
540.9	Wurtz, A.	A History of Chemical Theory	1869
541	Muir, M.M.P.	The Story of the Chemical Elements	1898
541.2	Hecht, S.	Explaining the Atom	1955
541.2	Perrin, J.	Atoms	1916
546.26	Muir, M.M.P.	The Story of the Wanderings of Atoms	1899

550	Geikie, A.	Text-Book of Geology, Vol.I	1903
550	Geikie, A.	Vol.II	1903
550.1	Chamberlin, T.C.	The Origin of the Earth	1916
551	Berget, A.	The Earth its Life and Death	1915
551	Bonney, T.G.	The Story of Our Planet	1910
551	Brancazio, P.J. & Cameron, A.G. (ed.)	The Origin and Evolution of Atmos- pheres and Oceans	1963
551	Fraser, Ronald	Once Around the Sun	1957
551	Gamow, G.	A Planet Called Earth	1963
551	Jeffreys, H.	The Earth	1929
551	Scientific American	The Planet Earth	1950
551	Space Science Board	The Earth; Chap.III of a report	1960
551	Verrill, A.H.	The Strange Story of our Earth	1952
551.13	Bowie, W.	Isostasy	1927
551.2	Dutton, C.E.	Earthquakes	1905
551.2	Knott, C.G.	The Physics of Earthquake Phenomena	1908
551.2	Waller, G.W.	Modern Seismology	1913
551.31	Ball, R.	The Cause of an Ice Age	1891
551.4	Thornton, J.	Advanced Physiography	1901
551.5	Abbe, Cl.	Short Memoirs on Meteorological Subjects	1878
551.5	Aeolus	Teach Yourself Meteorology	1944
551.5	Archibald, D.	The Story of the Atmosphere	1901
551.5	Byers, H.R.	Synoptic and Aeronautical Meteorology	1937
551.5	Donn, W.L.	Meteorology with Marine Applications	1946
551.5	Finch, V.C., et al.	Elementary Meteorology	1942
551.5	Flammarion, C.	The Atmosphere	1873
551.5	Halpine, C.G.	A Pilot's Meteorology	1941
551.5	Kingston, G.T.	Instructions to Observers connected with the Meteorological Service	1878
551.5	Letestu, S. (ed.)	International Meteorological Tables	1966
551.5	Milham, W.I.	Meteorology	1912
551.5		Meteorology for Air Navigators	1943
551.5	Moore, W.L.	Descriptive Meteorology	1911
551.5	Petterssen, S.	Introduction to Meteorology	1941
551.5	Pick, W.H.	A Short Course in Elementary Meteorology	1933
551.5	Taylor, G.F.	Aeronautical Meteorology	1941
551.51	Bigelow, F.H.	Circulation and Radiation in the Atmospheres of the Earth and of the Sun	1915



551.514	Boyd, R.	Rocket Exploration of the Upper Atmosphere	1954
551.514	Fogle, B.	Noctilucent Clouds	1966
551.514	Haurwitz, B.	The Physical State of the Upper Atmosphere	1941
551.55	Abercromby, R. & Goldie, A.H.R.	Weather	1934
551.56	American Academy of Arts and Sciences	Atmospheric Explorations	1958
551.56	Viemeister, P.E.	The Lightning Book	1961
551.565	Minnaert, M.G.J.	The Nature of Light & Colour in the Open Air	1954
551.565	O'Connell, D.	The Green Flash	1958
551.567	Bravais, M.A.	Les Halos et les Phénomènes Optiques	1847
551.57	Cave, C.J.P.	Clouds & Weather Phenomena	1926
551.57	Clayden, A.W.	Cloud Studies	1905
551.57	Humphreys, W.J.	Fogs and Clouds	1926
551.57	Humphreys, W.J.	Rain Making and other Weather Vagaries	1926
551.6	Brunt, D.	Weather Study	1941
551.6	Chambers, G.F.	The Story of the Weather	1900
551.6	Croll, J.	Climate and Time	1875
551.6	Free, E.E. & Hoke, T.	Weather	1928
551.6	Haynes, B.C.	Techniques of Observing the Weather	1947
551.6	Humphreys, W.J.	Ways of the Weather	1942
551.6	Kendrew, W.G.	Weather	1943
551.6	Miller, D.	Wind, Storm and Rain	1952
551.6	Royal Meteorologi- cal Society	Know the Weather	1966
551.6	Shaw, N.	The Drama of Weather	1934
551.6	Sheppard, P.A.	World Climate from 8000 to 0 B.C.	1966
551.6	Tannehill, I.R.	Weather Around the World	1944
551.6	Van Cleef, E.	The Story of the Weather	1929
551.63	Anderson, R.K. et al.	The Use of Satellite Pictures in Weather Analysis & Forecasting	1966
551.63	Laird, C. and R.	Weathercasting	1955
551.63	Shaw, W.N.	Forecasting Weather	1913
551.7	Joly, J.	Radioactivity and Geology	1909
551.701	Holmes, A.	The Age of the Earth	1927
551.701	Hurley, P.M.	How Old is the Earth?	1959
551.74	Miller, H.	The Old Red Sandstone	1852

557.1	White, J.	Altitudes in the Dominion of Canada	1915
573.1	Huxley, T.H.	Man's Place in Nature	1863
574.084	Life	The World We Live In	1955
621.47	Branley, F.M.	Solar Energy	1957
621.47	Burda, E.J.	Applied Solar Energy Research	1955
621.47	Daniels, F. & Duffie, J.A.	Solar Energy Research	1955
621.47	Nutter, J.C.	Scrapbook of Collected Information on Solar Energy	1954
629.13	Szego, G.C. & Taylor, J.E.	Space Power Systems Engineering	1966
629.1388	British Interplanetary Society	Realities of Space Travel	1957
629.1388	Burgess, E.	Satellites and Space Flight	1957
629.1388	Leonard, J.N.	Flight into Space	1953
629.1388	Ley, W. & Bonestell, C.	Beyond the Solar System	1964
629.1388	Ley, W.	The Conquest of Space	1949
629.1388	Ley, W.	Missiles, Moonprobes and Mega- parsecs	1964
629.1388	Ley, W.	Rockets, Missiles and Space Travel	1951
629.1388	Ley, W.	Satellites, Rockets and Outer Space	1962
629.1388	Moore, P.	Space, the Story of Man's Greatest Feat of Exploration	1968
629.1388	Moore, P.	Space in the Sixties	1963
629.1388	National Academy of Sciences	Review of Space Research	1964
629.1388	Space Science Board	A Review of Space Research	1962
629.1388	Space Science Board	Science in Space; Dimensions and Problems; A General Review; Chapter I of a report	1961
629.1388	Von Braun, W.	Conquest of the Moon	1953
629.1388	Wilkins, H.P.	Clouds, Rings and Crocodiles	1955
629.13882	Bergaust, E. & Beller, W.	Satellite!	1957
629.13882	Clarke, A.C.	The Making of a Moon	1957
629.13882	Howard, N.E.	Handbook for Observing the Satellites	1958
629.13882	King-Hele, D.	Observing Earth Satellites	1966
629.13882	Shternfel'd, A.A.	Soviet Space Science	1959
629.13882	Stine, G.H.	Earth Satellites and the Race for Space Superiority	1957

629.4	Clarke, A.C.	The Exploration of Space	1951
629.4	Wilford, J.N.	We Reach the Moon	1969
629.401	Baker, R.M.	An Introduction to Astrodynamics	1960
629.401	Nelson, W.C.	Space Mechanics	1962
639	Smith, F.G.W. & Chapin, H.	The Sun, the Sea, and Tomorrow	1954
660	Rosin, J.	The Road to Abundance	1953
662	Ayres, E.	Energy Sources - The Wealth of the World	1952
669.7	Richards, J.W.	Aluminium	1887
681.11	Milham, W.I.	Time & Timekeepers	1947
681.113	Nutting, W.	The Clock Book	1935
910	Ewing, T.	* A System of Geography	1854
912	Oxford University	* Canadian Oxford Atlas of the World	1957
917	Von Humboldt, A.	Equinoctial Regions of America, I	
917	Von Humboldt, A.	II	
917	Von Humboldt, A.	III	
917	McGraw-Hill	Directory and Almanac of Canada	1967
920.7	Hall, A.	An Astronomer's Wife	1908
923.8	Graves, R.H.	The Triumph of an Idea	1934
925	Baily, F.	* An Account of the Rev. John Flamsteed to which is added his British Catalogue of Stars	1835
925	Brewster, D.	Memoirs of Sir Isaac Newton, Vol.I	1855
925	Brewster, D.	Vol.II	1855
925	Brodetsky, S.	Sir Isaac Newton	1927
925	Budgell, E.	* Memoirs of the Life and Character of the late Earl of Orrery and of the Family of the Boyles	1732
925	Bryant, W.W.	Galileo	1918
925	De Morgan, A.	Essays on the Life and Work of Newton	1914
925	Drake, S. (trans.)	Discoveries and Opinions of Galileo	1957
925	Fahie, J.J.	Galileo, His Life and Work	1903
925	Fermi, L.	Galileo and the Scientific Revolution	1961
925		The Private Life of Galileo	1870
925	Gebler, K. von	Galileo Galilei	1876
925	Geymonat, L.	Galileo Galilei	1965
925	Gladstone, J.H.	Christian Men of Science	
925	Greene, J.E. (edit.)	One Hundred Great Scientists	1964
925	Harsanyi, Z.	The Star-Gazer	1939
925	Heath, T.	Aristarchus of Samos	1913

925	Heath, R.	The Copernicus of Antiquity (Aristarchus of Samos)	1920
925	Lodge, O.	Pioneers of Science	1893
925	More, L.T.	Isaac Newton	1934
925	Schuster, A.	Biographical Fragments	1932
925	Scientific American	Lives in Science	1957
925	Smith, D.E. (ed.)	Sir Isaac Newton	1928
925	Stahl, L.	Galilei und das Universum	
925.1	Turner, H.D.	Charles Babbage (1792-1871)	1961
925.1	MacFarlane, A.	Lectures on Ten British Mathe- maticians	1916
925.2	Airy, W.	Autobiography of Sir George Biddell Airy	1896
925.2	Armitage, A.	The World of Copernicus	1947
925.2	Armitage, A.	Sun, Stand Thou Still (The Life and Work of Copernicus)	1947
925.2	Berry, R.E.	Yankee Stargazer, the Life of Nathaniel Bowditch	1941
925.2	Clerke, A.M.	The Herschels and Modern Astronomy	1901
925.2	Douglas, A.V.	The Life of Arthur Stanley Eddington	1956
925.2	Dreyer, J.L.E.	Tycho Brahe	1890
925.2	Forbes, G.	David Gill, Man and Astronomer	1916
925.2	Frost, E.B.	An Astronomer's Life	1933
925.2	Gaul, H.A. & Eiseman, R.	John Alfred Brashear	1940
925.2	Goebel, K.	Kepler	1871
925.2	Henderson, E.	Life of James Ferguson	1867
925.2	Koestler, A.	The Watershed, a Biography of Johannes Kepler	1960
925.2	Lockyer, T.M. & W.; Dingle, H.	Sir Norman Lockyer	1928
925.2	Lubbock, C.A. (ed.)	The Herschel Chronicle	1933
925.2	MacPherson, H.	Makers of Astronomy	1933
925.2	MacPherson, H.	Herschel	1919
925.2	Mayfield, G.R. (ed.)	Edward Emerson Barnard	1928
925.2	Milne, E.A.	Sir James Jeans	1952
925.2	Newcomb, S.	The Reminiscences of an Astronomer	1903
925.2	Olsson, M.	Uraniborg och Stjerneborg	1951
925.2	Peltier, L.C.	Starlight Nights	1965
925.2	Prowe, L.	Nicolaus Copernicus, Vol. I, II	1883
925.2	Scaife, W.L. (ed.)	John A. Brashear	1925
925.2	Sime, J.	William Herschel and His Work	1900

925.2	Webb, W.L.	Brief Biography and Popular Account of the Unparalleled Discoveries of T.J.J. See	1913
925.2	Wright, H.	Explorer of the Universe (G.E.Hale)	1966
925.3	Bickley, F.	The Cavendish Family	1911
925.3	Campbell, L. & Garnett, W.	The Life of James Clerk Maxwell	1884
925.3	Crowther, J.A.	Michael Faraday	1918
925.3	Glazebrook, R.T.	James Clerk Maxwell and Modern Physics	1901
925.3	King, E.T.	Lord Kelvin's (Thomson) Early Home	1909
925.3	M'Kendrick, J.G.	Hermann Ludwig Ferdinand von Helmholtz	1899
925.3	Thompson, S.P.	Michael Faraday, His Life and Work	1901
925.3	Wilson, D.	William Thomson Lord Kelvin	1910
925.4	Tilden, W.A.	Sir William Ramsay	1918
925.5	Corbin, D.F.M.	Matthew Fontaine Maury	1888
925.5	Irons, J.C.	James Croll	1896
925.5	Shairp, J.C. et al.	Life and Letters of James David Forbes	1873
925.9	Darwin, C.R.	Autobiography and Selected Letters	1958
928	Orr, M.A.	Dante and the Early Astronomers	1913
(Fiction)	Hoyle, F.	The Black Cloud	1957

TITLES FOR BEGINNERS

Y520	Holden, E.S.	The Earth and Sky	1901
Y520	Mitton, G.E.	The Book of Stars	1925
Y520	Mitton, G.E.	The Children's Book of Stars	1908
Y522	Richardson, R.S.	Astronomy in Action	1962
Y523	Bruck, M.T.	The Night Sky	1965
Y523	Gallant, R.A.	Exploring the Universe	1956
Y523	Goodwin, H.	The Real Book About Stars	1951
Y523	Johnson, G.	Discover the Stars	1954
Y523	MacPherson, H.	Guide to the Stars	1959
Y523	Rey, H.A.	Find the Constellations	1954
Y523	Volkov, A.	Earth and Sky	1960
Y523	Wilkins, H.P.	The Stars	1954
Y523	Wyler, R. & Ames, G.	The Golden Book of Astronomy	1955
Y523	Zim, H.S.	Stars	1951
Y523	Joseph, J.M.	Point to the Stars	1963
Y551.5	Forrester, F.H.	The Real Book About the Weather	1958
Y551.5	Lehr, P.E. et al.	Weather	1957
Y551.5	Ruzic, N.P.	There's Adventure in Meteorology	1958

## THE LIBRARY

The National Library of the R.A.S.C. is maintained for the use of members of the Society although anyone is welcome to examine the books in the Library. Traditionally, the Library has operated on a very small budget and has relied heavily on the generosity of members' donations to enhance the collection. In addition to the books listed here, there are periodicals, films, and a large collection of 35mm slides. The effectiveness of the Library can be improved by your suggestions and criticisms, which we always welcome.

## BORROWING REGULATIONS

Most of the books listed may be removed from the Library for up to four weeks. Some books, because of their large size, fragile condition, or age, do not circulate. These titles are marked \* in this list. Generally, most books published more than 100 years ago, as well as reference books, large atlases and catalogues are in this category.

Since it is inconvenient, if not impossible, for members outside of Toronto to visit the Library in person, a mailing service is available. Mrs. Fidler, our Executive Secretary, attends to these requests, sending the desired books and a post-paid return label. It would be of assistance if the request could indicate whether an alternate choice would be acceptable. Return packages must be tied with string and left unsealed at one end to conform with mailing regulations. Unfortunately, due to customs difficulties, books cannot be mailed out of the country.

## USE OF THIS CATALOGUE

In the National Office there are the usual author, title and subjects catalogues for the Library. However, it is not practical to print all these for distribution. It was felt that listing all the books in the Dewey order, i. e., as they appear on the shelves, would be the most useful form that this catalogue could take.

Books on astronomy in general may be found under 520 and 523. Those in the 520 class tend to be comprehensive texts, whereas those in 523 are generally lighter, more descriptive volumes. While selecting a book sight unseen is not ideal by any means, the reader will benefit by taking note of the date of publication; there are many books in the Library which are of historical interest only.

The Index at the end is not intended to be exhaustive, but does include topics for which several books are available.

## ACKNOWLEDGEMENTS

The idea of having a printed catalogue of all books in the national Library is one which has no doubt seemed desirable for many years, but it was due to the initiative of the past Librarian, Dr. John R. Percy, that this ambitious project was begun. It was he who sought and got approval of Council for any additional expenses which this catalogue brought about.

Mrs. Hattie Arnott is to be commended for her careful typing of thousands of cards and, of course, our own Mrs. Marie Fidler for her preparation of the manuscript.

R. P. Broughton

September 1970.

