



Kitt Peak National Observatory Contributions, 1959–1971

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ADS Bibcode	No.	Title	Author(s)	Notes
1959PASP...71..369M	1	Astronomical Observations from Space Vehicles	Meinel, A.B.	
1959PASP...71..445M	2	Spectral Classification from Ratio Spectra	Meinel, A.B.; Golson, J.C.	
1960PASP...72..153M	3	Some Vistas of Astronomical Discovery	Morgan, W.W.	
1959JOSA...49..446N	4	Theory of the Concave Grating. I.	Namioka, T.	
1961ApJS...6...37A	5	Theory of Ellipsoidal Concave Grating. II. Application of the Theory to Specific Grating Mountings	Namioka, T.	
1961ApJS...6...37A	6	The Frequency of Binaries among Metallic-Line Stars	Abt, Helmut A.	
1961LIACo..10...49M	7	Design Considerations for a Large Aperture Orbital Telescope	Meinel, A.B.	Reprinted from <i>Mémoires de la Société Royale des Sciences de Liège</i> , tome IV, 1961
1961ApJ...133..910A	8	Radial Velocities of Three Metallic-Line Stars	Abt, Helmut A.	
1961ApJ...133..860C	9	H β Photometry for the Association I Lacertae	Crawford, D.L.	
	10	Tables for Use at the Kitt Peak National Observatory	Schulte, D.H.; Crawford, D.L.	
	11	New Frontiers in Astronomical Instrumentation	Meinel, A.B.	Reprinted from <i>Science</i> 134(3486):1165- 1171, 1961
1961ApJ...134.1013A	12	Observation of the Variable Star Tau Cygni	Abt, Helmut A.	
1962ApJ...135..429A	13	The Visual Multiple System Containing Beta Lyrae	Abt, Helmut A.; Jeffers, Hamilton M.; Gibson, James; Sandage, Allan R.	
1962ApJ...135..424A	14	Non-Periodic Spectroscopic Changes in Beta Lyrae	Abt, Helmut A.	
1962ApJ...136...35A	15	Colors and Variability of Magnetic Stars	Abt, Helmut A.; Golson, John C.	
1962Sci...137...91M	16	The Story of the Crab Nebula	Mayall, N.U.	
1962ApJ...136..363A	17	Interstellar Absorption in the North Equatorial Polar Region	Abt, Helmut A.; Golson, John C.	
1962ApJ...136..381A	18	Stellar Rotation in Galactic Clusters	Abt, Helmut A.; Hunter, James H., Jr.	
1962ApJ...136..231W	19	Analysis of the Center-to-Limb Observations of the Sodium D Lines	Waddell, John	
1963ApJ...137..523C	20	Photometry of the Stars of the Cassiopeia-Taurus Group	Crawford, D.L.	
1963ApJ...137..530C	21	U.B.V. and H β Photometry of the Bright B8- and B9-Type Stars	Crawford, D.L.	
1963ApOpt...2..141S	22	Auxiliary Optical Systems for the Kitt Peak Telescopes	Schulte, D.H.	
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1962CoLPL...1...83K	24	Infrared Spectra of Stars and Planets. I: Photometry of the Infrared Spectrum of Venus, 1-2.5 Microns	Kuiper, Gerald P.	
1963JGR....68.1559W	25	Observation of the Day Airglow	Wallace, L.	
1963ApJS...8...99A	26	A Discussion of Spectral Classification	Abt, Helmut A., ed.	
1963ApJ...138..140A	27	The Multiple System 1 Geminorum	Abt, Helmut A.; Kallarakal, Varkey W.	
1965qssg.conf..311L	28	Evidence for an Explosion in the Center of the Galaxy M82	Lynds, C.R.; Sandage, A.R.	
1963P&SS...11..725B	29	A Note on Rayleigh and Raman Scattered Lyman- α Radiation from Jupiter and Saturn	Brandt, J.C.	
1963MNRAS.125..557A	30	UBV Photometry of 300 G and K Type Stars	Argue, A.N.	
	31	On the Interplanetary Gas Exterior to the Orbit of Earth	Brandt, J.C.	Reprinted from <i>Space Research IV: Proceedings of the Fourth International Space Science Symposium</i> (Vol. IV, 1964)
1963S&T....26..190M	32	The Dwarf Novae - III	Mumford, George S.	
1964CoLPL...2...33K	33	Spectrophotometric Records from 0.3 to 0.55 μ for Some A and B Stars with Special Reference to the Balmer Lines	Kuiper, Gerald P.	
	34	Correction and Extension of the Concept of Cross-Spin Control	Nidey, R.A.; Seames, A.E.	Reprinted from <i>AIAA Journal</i> 1(9), Sept. 1963
1963JQSRT...3..499C	35	Dayglow Spectra of the Planets	Chamberlain, Joseph W.	
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1963ApJ...138.1002A	38	Stellar Radial Velocities in the Perseus Arm	Abt, H.A.; Bautz, Laura P.	
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Available on NOIRLab website	45	Final Report on the Site Selection Survey for the National Astronomical Observatory	Meinel, A.B.	https://noirlab.edu/science/documents/scidoc3008-0
1963ApJ...138.1147W	46	Causes of Source Function Equality in Multiplet Lines	Waddell, J., III	
1963Icar....2..411B	47	Interplanetary Gas VIII. On the Importance of Radiative Losses	Brandt, J.C.; Robbins, R.R.	
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1964JGR....69..471W	51	The Measurement of the Daytime Airglow in the Visual Region	Wallace, L.; Nidey, R.A.	
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964P&SS...12..650B	54	On Diffuse Galactic Lyman- α in the Night Sky	Brandt, John C.	
	55	Models for the Terrestrial Atmosphere above the 120km Level	McElroy, Michael B.	

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1964Sci...145...26H	58	Metallic Emissions from the Upper Atmosphere	Hunten, D.M.	
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1964Icar....3..253B	61	Interplanetary Gas. IX. Effects on the Local Interstellar Medium	Brandt, J.C.	
1965ApJ...141..320C	62	On the Existence of Slow Solutions in Coronal Hydrodynamics	Chamberlain, J.W.; Parker, E.N.	
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1964CoLPL...2..133O	66	A Determination of the Martian Co2 Abundance	Owen, T.C.	
1964ApJ...140.1586W	67	Reply to Athay's Paper: "Source-Function Equality in Multiplets"	Waddell, J. III	
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1964Icar....3..299B	69	Evidence for an Atmosphere on Io	Binder, A.B.; Cruikshank, D.T.	
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1965AIAAJ...3R.571S	72	Comment on "Motion of the Center of Gravity of a Variable-Mass Body"	Snyder, V.W.	
1965RSPSA.283..100L	73	The Importance of Coupling for Inelastic Collisions between Protons and Hydrogen Atoms	Lovells, S.E.; McElroy, M.B.	
	74	The Transport Properties of a Moderately Dense Lennard-Jones Gas	Curtiss, C.F.; McElroy, M.B.; Hoffman, D.K.	Reprinted from <i>International Journal of Engineering Science</i> 3:269-283, 1965
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1963BuAst..24..209L	79	Observations on Microthermal Fluctuations	Lynds, C.R.	
1965ApJS...11..429A	80	The Frequency of Binaries among Normal A-Type Stars	Abt, H.A.	
1966VA.....8...75A	81	The Metallic-Line Stars	Abt, H.A.	
1966VA.....8..149C	82	Comparison of the Hyades, Coma, and Pleiades Clusters Based on Photoelectric u, b, v, γ and Hbeta Photometry	Crawford, D.L.; Strömberg, B.G.	
1965ApJ...141..965S	83	A Low-Dispersion Spectroscopic Search for Water Vapor in Cool Stars	Spinrad, H.; Newburn, R.L., Jr.	
1965P&SS...13..403M	84	Excitation of Atmospheric Helium	McElroy, M.B.	
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1965RvGSP...3..299C	86	Pressure and Co2 Content of the Martian Atmosphere: A Critical	Chamberlain, J.W.; Hunten, D.M.	
1965ApJ. 141.1184C	87	Discussion	Chamberlain, J.W.	
1965ApJ. 141.1523M	88	The Atmosphere of Venus near Her Cloud Tops Structure of the Martian Upper Atmosphere	McElroy, M.B.; L'Ecuyer, J.; Chamberlain, J.W.	

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1965AJ.....70..368W; Addendum: 1968AJ.....73...60W	91	A Possible Extended Atmosphere in the Eclipsing System VV Uma	Wilson, R.E.	
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1965PASP...77..216P	93	Construction of a Bowen Image Slicer	Pierce, A. Keith	
1965PASP...77..212B	94	On Interstellar Raman Line of H ₂ Excited by Lyman-Alpha	Brandt, J.C.	
1965AJ.....70..451B	95	Some Characteristics of Type II Comet Tails and the Problem of the Distant Comets	Belton, M.J.S.	
1968ApJ...152..117W; 1968PGLO...81..117W; 1967mrs..conf..485W 1965PASP...77..295M	96	Photoelectric Balmer-Line Photometry	Wood, H.J.	
	97	Absence of Temperature Difference Between the Sun's Equatorial and Polar Limb near Solar Minimum	Mulders, G.F.W.; Slaughter, C.D.	
1965S&T....29..354C	98	Problems of Constructing Large Telescopes	Crawford, D.L.	
1965JRASC..59..221H	99	Spherical Co-ordinate Transformations by Nomogram	Hunten, D.M.	
1965ApOpt...4.1185W	100	Field Correctors for Large Telescopes	Wynne, C.G.	
1965ApJ...142..396L; 1965PASP...77..135L 1965ApJ...142..934R	101	Lithium in the Solar-Disk Spectrum?	Lynds, C.R.	
	102	Radial Velocities of Distant OB Stars in the Anticenter Region of the Galaxy	Rubin, V.C.	
1965ApJ...142..964J	103	The Spectra and Radial Velocities of Stars in the Orion Nebula Cluster	Johnson, H.M.	
1966ApJ...143..265B	104	Chemical Composition of the Photosphere and Corona as Influenced by the Solar Wind	Brandt, J.C.	
1966Icar....5..47B	105	Interplanetary Gas XI. An Exospheric Model of the Solar Wind	Brandt, J.C.; Cassinelli, J.P.	
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1965PASP...77..347L	107	A New Spectrophotometric Scanner Capable of High Signal-to-Noise Ratios Spectra	Lynds, C.R.; Aikens, R.I.	
1965Sci...149..974O	108	Saturn's Ring and the Satellites of Jupiter: Interpretations of Infrared	Owen, T.	
1965AJ.....70..451B	109	The Dynamics of Type II Comet Tails	Belton, M.J.S.	
1966IAUS...24..170C	110	Photo-electric H β and uvby Photometry	Crawford, D.L.	
1965PASP...77..367A	111	Spectrographic Measures of the Eclipsing System BH Virginis	Abt, H.A.	
1965PASP...77..355U	112	An Old Open Cluster Near the North Galactic Pole	Ungren, A.R.; Rubin, V.C.	
1967LIACo..13..320B	113	The Solar Wind and the Orientation of Type I Comet Tails	Brandt, J.C.	
1965P&SS...13..947D	114	The Fluorescence of Solar Ionizing Radiation	Dalgarno, A.; McElroy, M.B.	
1966IAUS...24..181C	115	Photoelectric uvby and H β Photometry of Magnetic and Other Peculiar and Metallic-Line A Stars	Cameron, R.C.	
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1966ApJ...143..306A	119	On the Separation by Balmer Line Photometry of High and Low Luminosity Stars Having Halpha in Emission	Abt, H.A.; Golson, J.C.	
1966Sci...151...35B	120	Dynamics of Interplanetary Dust	Belton, M.J.S.	
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1966ApJ...143..291S	125	Further Studies of the Infrared Spectra of Cool Stars: The Water Deficiency in S Stars and the Variation of Water Abundance with Mira's Phase	Spinrad, H.; Pyper, D.; Newburn, R.L.; Younkin, R.L.	
1966P&SS...14...95B	126	On Ejection of Neutral Hydrogen from the Sun and the Terrestrial Consequences	Brandt, J.C.; Hunten, D.M.	
1966ApOpt...5..457S	127	Flat-field Spectrograph Camera Designs	Schulte, D.H.	
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1966PASP...78....5P	129	New Spectroscopic Orbit of YZ Cassiopeiae	Perry, C.L.; Stone, S.N.	
1965ApJ...142.1667L	130	New Spectroscopic Observations of Quasi-Stellar Sources	Lynds, C.R.; Stockton, A.N.; Livingston, W.C. Crawford, D.L.	
1966stev.conf..395C	131	Photometry of B Stars	Wolstencroft, R.D.; Brandt, J.C.; Rose, L.J.	
1966P&SS...14..445W	132	Anomalous Brightness of the Post-Twilight Evening Sky in the Near Infra-Red	Wolstencroft, R.D.; Rose, L.J.	
1966Natur.209..388W	133	Interstellar Grains and the Diffuse Galactic Light	Belton, M.J.S.; Brandt, J.C.	
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1966ApJ...144..635J	136	The Sky Near the Brightest X-Ray Source in Scorpius	Binder, A.B.; Cruikshank, D.P.	
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1966ApJ...144..666A	138	The Effect of Line Emission Upon the B-V Colors of T Tauri Objects	McCrea, W.H.	
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	142	OH Bands in the Airglow		Reprint of publication by the National Center for Atmospheric Research
1963MNRAS.125..557A	143	UBV Photometry of 330 F, G and K Type Stars	Argue, A.N.	
1969CoKit.144.....N	144	Stabilization and Orientation of Balloon-Borne Instruments	Nidey, R.A.	
1966AJ.....71..114C	145	Standard Stars for Photoelectric Hbeta Photometry	Crawford, D.L.; Mander, J.	
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1966ApJ...144..447B	150	On the Measurement and Interpretation of Absorption Features in the Spectrum of the Quasi-Stellar Object 3C 191	Burbidge, E.M.; Lynds, C.R.; Burbidge, G.R.	
1966ApJ...144..451S	151	The Remarkable Absorption Spectrum of 3C 191	Stockton, A.N.; Lynds, C.R.	
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	160	Properties and Limitations of Image Tubes Used in Astronomy	Livingston, W.C.	Reprinted from <i>Advances in Electronics and Electron Physics</i> , vol. 23 (New York: Academic Press, 1967)
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1966Natur.210..774B	167	On the Interpretation of the Line Spectra of Quasi-Stellar Objects	Burbidge, G.R.; Burbidge, E.M.; Hoyle, F.; Lynds, C.R.	
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