

B I B L I O G R A P H Y

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SMITHSONIAN ASTROPHYSICAL OBSERVATORY
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ASTRONOMY
(General)

<u>Publication</u>	<u>Subject</u>	<u>Co-Authors</u>
<u>L.O.B.</u> , 13, 117-119, 1928.	"Elements and Ephemeris of Comet <u>j</u> 1927"	L. Berman
<u>L.O.B.</u> , 13, 120-122, 1928.	"Elements and Ephemeris of Comet <u>k</u> 1927"	N. U. Mayall H. G. Miles
<u>L.O.B.</u> , 13, 173-175, 1928.	"Elements and Ephemeris of Comet <u>a</u> 1928"	L. Berman
<u>L.O.B.</u> , 14, 152-153, 1930.	"Elements and Ephemeris of Comet <u>d</u> 1929"	E. C. Bower
<u>L.O.B.</u> , 14, 189-191, 1930.	"Preliminary Elements and Ephemeris of the Lowell Observatory Object"	E. C. Bower
<u>L.O.B.</u> , 15, 21, 1930.	"Observations of Comets and Minor Planets"	
<u>L.O.B.</u> , 15, 35-42, 1930.	"Elements and Ephemeris of the Lowell Observa- tory Object (Pluto)" (Second Paper)	E. C. Bower
<u>Pub. Astr. Soc. Pac.</u> , 40, 34-38; 40, 43- 45; 40, 138-139, 1928.	"Notes on Various Comets"	Several
<u>Pub. Astr. Soc. Pac.</u> , 42, 61-63, 1930.	"Note on Comet <u>d</u> 1929"	
<u>Pub. Astr. Soc. Pac.</u> , 42, 236-240, 1930.	"The Orbit of Pluto"	E. C. Bower
<u>Har. Ann. Card</u> , Dec. 1927-30.	Research on Comets, Pluto and Asteroids appears on twenty cards between Nos. 48 and 142. The subject includes eleven prelim- inary orbits, two secon- dary orbits and sixteen ephemerides.	Berman Mayall Mendenhall Bower Hayford
<u>Har. Ann. Cards</u> , 1932- .	Research on Comets and Asteroids appears on 51 cards between Nos. 193 and 497. The subjects include: 16 preliminary orbits, 10 secondary orbits, 27 ephemerides, and 47 accurate position measure- ments. Most of the orbits	

ASTRONOMY

(General)

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<u>Har. Ann. Cards,</u> <u>1932- . (continued)</u>	and ephemerides were calculated jointly with Mr. L. E. Cunningham, and about 2/3 of the positions were measured and reduced jointly with him. In addition, 6 independent comet discoveries were announced for Comets 1932k (Peltier-Whipple-Sase), 1933f (Periodic 1940-41) (Whipple) and 1937b (Whipple), etc. A discovery announcement was made for an asteroid with an unusual orbit.	
<u>Har. Ann., 105,</u> <u>537-548, 1937.</u>	"A Definitive Orbit of Apollo (Reinmuth Object, 1932 HA)"	L. E. Cunningham
<u>Proc. Am. Phil. Soc.,</u> <u>82, 275-290, 1940.</u>	"Photographic Meteor Studies II. Non-linear Trails"	
<u>Proc. Am. Phil. Soc.,</u> <u>83, 711-745, 1940.</u>	"Photographic Meteor Studies III. The Taurid Meteor Shower"	
<u>Scientific Monthly,</u> <u>51, 579-581, 1940.</u>	"Comets of 1940"	
<u>Blakiston Pub. Co.,</u> <u>1941 (276 pp.).</u>	EARTH, MOON AND PLANETS	
<u>Pop. Astr., 50, 1-4,</u> <u>1942.</u>	"The Limiting Magnitudes of Photographic Telescopes"	P. J. Rubenstein
<u>Scientific Monthly,</u> <u>54, 475-479, 1942.</u>	"Dedication of the National Observatory in Mexico"	
<u>Proc. Am. Phil. Soc.,</u> <u>91, 189-200, 1947.</u>	"Photographic Meteor Studies IV. The Geminid Shower"	
<u>Tech. Report No. One,</u> <u>Har. Reprint Ser.</u> <u>II-19, 1947, 36 pp.</u>	"Harvard Meteor Program, Purpose, Plans, Status, and Preliminary Results, March, 1947"	
<u>Sky and Telescope,</u> <u>6, 10-11, 1947.</u>	"Meteor Problems and Photographs of the Perseids"	

<u>Publication</u>	<u>Subject</u>	<u>Co-Authors</u>
<u>A.J.</u> , 54, 53, 1948.	Abstract: "The Orbits of Meteors Photographed at Two Stations"	
<u>Sky and Telescope</u> , 8, 90-93, 1949.	"The Harvard Photographic Meteor Program"	
<u>Pop. Astronomy</u> , 57, 419-421, 1949.	"The Polar Axis Adjustment of Photographic Tele- scopes"	
Tech. Report No. Six, Har. Reprint Ser. II-35, 1950, 44 pp.	"The Photographic Taurid Meteors"	F. W. Wright
Harvard Reprint, (Abstract: Pop. Ast., 55, 185-186, 1950.) Helwan Obs., Bull. No. 41, 1-30, 1952.	"On the Origin of the Taurid Meteor Streams"	S. Hamid
Tech. Report No. Eight, Har. Reprint Ser. II-39, 1951, 31 pp. <u>Phot. Sci. and Tech.</u> , 18, 14-18, 1952. (Condensation of above.)	"Equipment and Technique for Molding Spherically- curved Film"	P. Carroll R. E. McCrosky R. C. Wells
Abstract: <u>Pop. Ast.</u> , 56, 144-145, 1951.	"The Baker Super-Schmidt Meteor Cameras"	
SCIENCE MARCHES ON, Ives Washburn Inc., N.Y., 95-101, 1951.	"Meteors and the Upper Atmosphere"	
Viking Press, N.Y., 1952.	ACROSS THE SPACE FRONTIER	W. von Braun J. Kaplan H. Haber W. Ley and O. Schachter
Viking Press, N.Y., 1953.	CONQUEST OF THE MOON	W. von Braun W. Ley
<u>A.J.</u> , 58, 100-108, 1953.	"On the Motions of 64 Long-Period Comets"	S. Hamid

<u>Publication</u>	<u>Subject</u>	<u>Co-Authors</u>
Tech. Report No. Eleven, Har. Reprint Ser. II-47, 1953, 38 pp.	"The Photographic Perseid Meteor Shower"	F. W. Wright
THE BOOK OF POPULAR SCIENCE, Grolier Sec., N.Y., pp. 1005-1012, 1954.	"The Family of the Sun"	
ROCKET EXPLORATION OF THE UPPER ATMOSPHERE, edited by R. L. F. Boyd and M. J. Seaton, Pergamon Press, Ltd., pp. 112-130, 1954.	"High-altitude Winds by Meteor-train Photography"	W. Liller
<u>M.N.R.A.S.</u> , <u>114</u> , <u>229-231</u> , 1954.	"Meteor Stream Widths and Radiant Deviations"	F. W. Wright
<u>A.J.</u> , <u>59</u> , 201-217, <u>1954</u> .	"Photographic Meteor Orbits and their Distri- bution in Space"	
<u>A.J.</u> , <u>59</u> , 124-127, <u>1954</u> .	"On the Secular Accelera- tion of Phobos and Jupiter V"	F. J. Kerr
<u>A.J.</u> , <u>59</u> , 121-124, <u>1954</u> .	"Accretion of Matter by a Satellite"	P. L. Bhatnagar
Abstract: <u>Science</u> , <u>119</u> , <u>587</u> , 1954.	"Evidence for Winds in the Outer Atmosphere"	
<u>A.J.</u> , <u>59</u> , 400-406, <u>1954</u> .	"Photographic δ -Aquarid Meteors"	F. W. Wright L. G. Jacchia
<u>Trans. I.A.U.</u> , <u>8</u> , <u>741</u> , 1952.	"Experience with the Baker Super-Schmidt Meteor Cameras"	
<u>P.A.S.P.</u> , <u>67</u> , 367-386, <u>1955</u> .	"Meteors"	
<u>A.J.</u> , <u>61</u> , 61-69, 1956.	"Photographic α -Capricornid Meteors"	F. W. Wright L. G. Jacchia
<u>Proc. I.R.E.</u> , <u>44</u> , 760- <u>764</u> , 1956 (June).	"A Research Program Based on the Optical Tracking of Artificial Earth Satellites"	J. Allen Hynek

ASTRONOMY
(General)

5

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<u>J. Frank. Inst.</u> , 262, 95-109, 1956 (Aug.).	"The Scientific Value of Artificial Satellites"	
<u>Saturday Rev.</u> , 37-39, Sept. 1, 1956.	"Moontracking"	
<u>Science Digest</u> , 33-37, December 1956.	"Wanted: Spotters for the Satellites"	
VISTAS IN ASTRONOMY, Edited by A. Beer, Pergamon Press, Ltd., 1956, Vol. II.	"The Harvard Photographic Meteor Programme"	L. G. Jacchia



Tecnológico
de Monterrey

ASTROPHYSICS

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<u>L.O.B., 16, 1-23,</u> <u>1932.</u>	"A Spectrophotometric Study of the Cepheid Variables η Aquilae and δ Cephei"	
<u>Har. Coll. Bull., No.</u> <u>886, 1-4, 1932.</u>	"Note on Milne's Method of Maxima"	
<u>Har. Coll. Bull., No.</u> <u>898, 6-7, 1935.</u>	"Note on the Design of a Prism Spectrograph"	
<u>Har. Coll. Bull., No.</u> <u>899, 1-5, 1935.</u>	"Photovisual Magnitudes of Comparison Stars for Nova Herculis"	C.H.P. Gaposchkin S. Gaposchkin
<u>Har. Cir., No. 404,</u> <u>1-21, 1935.</u>	"Colors and Spectra of External Galaxies"	
<u>Pub. Astr. Soc. Pac.,</u> <u>47, 305-306, 1935.</u>	"Monochromatic Transmission of the Lick 36" Refractor"	
<u>Proc. Nat. Acad. Sci.,</u> <u>22, 15-19, 1936.</u>	"Prismatic Deviation as a Function of Cosmical Orientation"	T. E. Sterne D. Norman
<u>Proc. Nat. Acad. Sci.,</u> <u>22, 195-200, 1936.</u>	"On the Bright-Line Spectrum of Nova Herculis"	C.H.P. Gaposchkin
<u>Har. Cir., No. 412,</u> <u>1-10, 1936.</u>	"The Early Stages of Nova Herculis. I. The Con- tinuous and Absorption Spectra"	C.H.P. Gaposchkin
<u>Har. Cir., No. 413,</u> <u>1-11, 1936.</u>	"Application of the Theory of Continuous Ejection to Nova Herculis"	C.H.P. Gaposchkin
<u>Har. Cir., No. 414,</u> <u>1-13, 1937.</u>	"The Early Stages of Nova Herculis. II. The Bright-Line Spectrum"	C.H.P. Gaposchkin
<u>Observatory, 60, 46-</u> <u>47, 1937.</u>	Letter to Editors: "Line Profiles in the Spectrum of Nova Herculis"	
<u>Proc. Nat. Acad. Sci.,</u> <u>23, 177-181, 1937.</u>	"On the Origin of Inter- stellar Radio Disturb- ances"	J. L. Greenstein
<u>Har. Coll. Bull., No.</u> <u>907, 36-38, 1938.</u>	"Mercury Hypersensitiza- tion of Photographic Plates"	D. Norman R. Loevinger

ASTROPHYSICS

7

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Har. Coll. Bull., No. 908, 21-24, 1938.	"Spectrophotometric Applications of Wood Replica Gratings"	D. Norman
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Proc. Nat. Acad. Sci., 25, 118-125, 1939.	"Supernovae and Stellar Collisions"	
Proc. Am. Phil. Soc., 81, 253-264, 1939.	"On the Physical Character- istics and the Origin of Supernovae"	
Pop. Ast., 47, 419- 425, 1939.	"Upper Atmosphere Densities and Temperatures from Meteor Observations"	
Har. Cir., No. 433, 1-6, 1939.	"Spectrophotometry of Nova Herculis in Its Inter- mediate Stages"	C.H.P. Gaposchkin
Har. Ann. Card, No. 517, 1939.	"Announcement of Discovery of Nova Monocerotis 1939"	
Pub. Am. Ast. Soc., 10, 32, 1940.	Abstract: "Preliminary Observations of Nova Monocerotis 1939"	B. J. Bok
Proc. Nat. Acad. Sci., 26, 264-272, 1940.	"Synthetic Spectra for Supernovae"	C.H.P. Gaposchkin
Har. Coll. Bull., No. 912, 5-6, 1940.	"Nova Monocerotis 1939"	
Pub. Am. Phil. Soc., 84, 1-32, 1941.	"Theoretical Synthesis of Supernova Spectra"	C.H.P. Gaposchkin
Scientific Monthly, 56, 91-93, 1943.	"Another Stellar Explosion"	
Rev. Mod. Physics, 15, 246-264, 1943.	"Meteors and the Earth's Upper Atmosphere"	
Douglas Aircraft Com- pany, Project Rand, pp. 61-68, 1946.	"Possible Hazards to a Satellite Vehicle from Meteorites"	
Ap. J., 104, 1-11, 1946.	"Concentrations of the Interstellar Medium"	

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Scientific American, <u>178</u> , 34-45, 1948.	"The Dust Cloud Hypothesis"	
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Har. Obs. Monograph, No. 7, 348-352, 1948.	Centennial Symposia: "Meteors and the Upper Atmosphere"	
Observatory, 68, 226- 232, 1948.	"Meteor Astronomy"	
A. J., 54, 179-180, 1949.	"Comets, Meteors, and the Interplanetary Complex"	
THE ATMOSPHERES OF THE EARTH AND PLANETS, Univ. of Chicago Press, pp. 149-158, 1949.	"Seasonal Variations in the Density of the Upper Atmosphere"	L. Jacchia Z. Kopal
Ap. J., 109, 380-390, 1949.	"An Upper Limit to the Electron Density near the Earth's Orbit"	J. L. Gosner
Comp. Lab. Har. Univ., Contr. At (30-1)- 497, 16 pp., Dec., 1949.	"Periodic Heat Transfer by Radiation Through Layers in a Vacuum"	J. Orten Gadd
Trans. Int. Ast. Union, 7, 240-246, 1950.	Commission 22. Review of Meteoric Astronomy, 1938-1948.	
A. J., 55, 83, 1950.	"On Tests of the Icy Conglomerate Model for Comets" Abstract.	
Ap. J., 111, 134-141, 1950.	"The Poynting-Robertson Effect on Meteor Orbits"	S. P. Wyatt, Jr.
Ap. J., 111, 375-394, 1950.	"A Comet Model. I. The Acceleration of Comet Encke"	
Science, 112, 454, 1950.	Abstract: "On The Origin of Planets and Comets"	
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ASTROPHYSICS

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<u>Compendium of Meteorology</u> , Am. Meteorological Soc., 356-365, 1951.	"Meteors as Probes of the Upper Atmosphere"	
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<u>Ap. J.</u> , <u>114</u> , 448-465, 1951; Abstract: <u>A. J.</u> , <u>56</u> , 49, 1951.	"The Physical Theory of Meteors. II. Astroballistic Heat Transfer"	R. N. Thomas
<u>Trans. Am. Geophys. Union</u> , <u>32</u> , 755-757, 1951.	"Meteor Observations and their Interpretations"	
<u>A. J.</u> , <u>57</u> , 28-29, 1952. Abstract.	"On Meteor Masses and Densities"	
ADVANCES IN GEO-PHYSICS, Academic Press, N.Y., pp. 119-154, 1952.	"Exploration of the Upper Atmosphere by Meteoritic Techniques"	
THE PHYSICS AND MEDICINE OF THE UPPER ATMOSPHERE, 137-170, The Univ. of New Mex. Press, Albuquerque, N. Mexico, 1952.	"Meteoritic Phenomena and Meteorites"	
<u>Bulletin, Am. Meteorological Society</u> , <u>33</u> , 13-25, 1952.	"Results of Rocket and Meteor Research"	

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Inter. Ast. Union, 7, 293-317, 1954.	Commission 22 Report, Meteors, Zodiacal Light and Analogous Problems.	J. Dufay
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P.A.S.P., 67, 161-168, 1955.	"The Case for H ₂ O Clouds on Venus"	D. H. Menzel
"Meteors": Special Supplement (Vol. 2) Journal of Atmos- pheric and Terre- strial Physics, 149-156, 1955.	"On the Velocities and Orbits of Meteors, Fireballs, and Meteorites"	R. F. Hughes
Ap. J., 121, 241-249, 1955.	"The Physical Theory of Meteors. VII. On Meteor Luminosity and Ionization"	
Abstract: Pop. Ast., 56, 51, 1951. Ap. J., 121, 750-770, 1955.	"A Comet Model. III. The Zodiacal Light"	
Abstract: A.J., 60, No. 1228, 182-183, 1955.	"On the Mass-Luminosity Relation for Meteors"	
Abstract: A.J., 60, No. 1228, 183, 1955.	"Photographic α -Capricornid Meteors"	F. W. Wright L. G. Jacchia

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Abstract: <u>A.J.</u> , <u>61</u> , 14, 1956.	"On Meteors and Rainfall"	G. S. Hawkins
<u>Smith. Contr. Ap.</u> , <u>1</u> , 83-86, 1956.	"Meteors"	
"Scientific Uses of Earth Satellites," ed. by J. A. Van Allen, 1-22, Univ. Mich. Press, 1956.	"The Orbit of a Small Earth Satellite"	R. J. Davis and J. B. Zirker
"Scientific Uses of Earth Satellites," ed. by J. A. Van Allen, 23-28, Univ. Mich. Press, 1956.	"Time Available for the Optical Observation of an Earth Satellite"	J. B. Zirker and R. J. Davis



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