

# CATALOGUE OF THE HARLAN J. SMITH COLLECTION



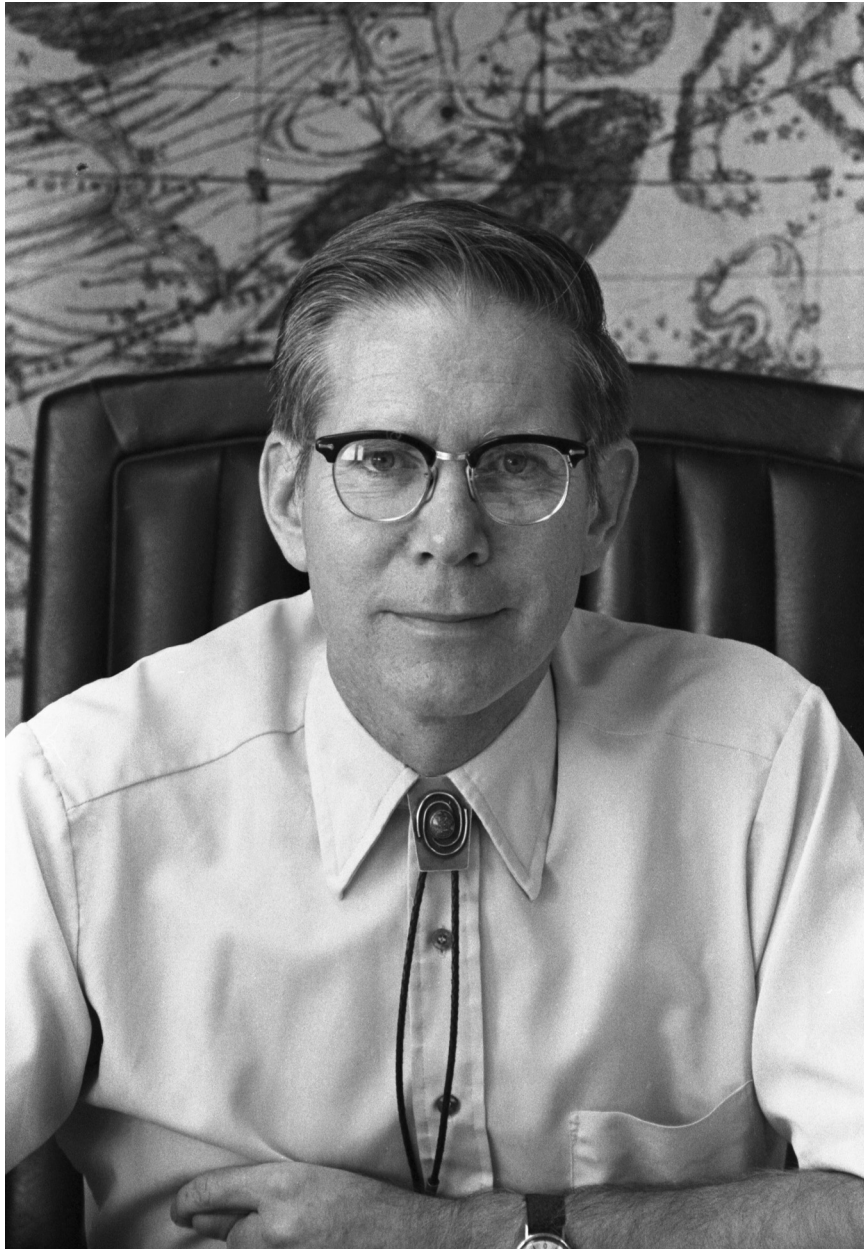
CATALOGUE OF THE  
HARLAN J. SMITH COLLECTION  
OF SCIENCE BOOKS  
IN THE OTTO STRUVE LIBRARY OF  
THE McDONALD OBSERVATORY  
FORT DAVIS, TEXAS

compiled by James R. Fowler

First edition February 2023  
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Fort Davis, Texas

27 26 25 24 23      6 5 4 3 2 1

The McDonald Observatory would like to thank Joan Smith, Nat Smith, and the rest of the Harlan J. Smith family for generously donating this collection to the observatory. This collection will be of scientific as well as historic interest to the staff and visitors of the observatory.



Harlan J. Smith 1924 – 1991  
from Wikipedia ([https://en.wikipedia.org/wiki/Harlan\\_James\\_Smith](https://en.wikipedia.org/wiki/Harlan_James_Smith))  
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## Harlan J. Smith

Harlan James Smith (1924–1991) was born in Wheeling, West Virginia on 25 August 1924, graduating high school there in 1942<sup>1</sup>. Joining the Army Air Corp in 1943, he finished his service career as a meteorologist on Guadalcanal in 1946. Harlan obtained his undergraduate degree in 1949 and his Ph.D in 1955, both from Harvard. His dissertation focused on short period variable stars where he recognized that they were more like Cepheids than RR Lyrae stars. These stars he called dwarf Cepheids though they are now called delta Scuti stars [Smi55a], [Smi55b],

Harlan joined the faculty at Yale in 1953, ultimately obtaining the rank of Associate Professor. There he began working in radio astronomy where he and his students studied the decameter radio pulses from Jupiter. He and Dorrit Hoffleit also studied the optical variability of the newly discovered quasars and found unequivocal evidence for variations in the quasar 3C273 implying a small physical size [SH63].

While in graduate school at Harvard, Harlan met Joan Greene who was attending Radcliffe College. They were married in December 1950 and had four children, Nat, Julie, Tad, and Hannah.

In 1963 Harlan was recruited to be the first “Texas” director of the McDonald Observatory as well as Chairman of the Astronomy Department at the University of Texas at Austin. During his leadership the observatory increased the number of support staff and the department grew in faculty, with a strong emphasis on undergraduate teaching. He resigned as Department Chairman in 1978 citing the heavy work load but remained as Director of McDonald Observatory. He was appointed to the Edward Randell Jr., MD Centennial Professorship in Astronomy in 1984 (see catalogue entry 5). Harlan was strongly committed to public education and outreach. He encouraged the publication of the McDonald Observatory News (later Star Date magazine) and the construction of the Moody Visitor’s Center.

A large observatory needed to have the best telescopes and instrumentation so the 82-inch telescope was refurbished in the mid-1960’s and talks for a larger telescope were begun. The 107-inch telescope (see entry 303) was dedicated in 1969 and was later renamed the Harlan J. Smith Telescope in 1995. Lunar laser ranging signals from the moon were first detected at McDonald in August 1969 and lunar ranging continued at the 107-inch until 1985. The project was continued on a series of smaller telescopes until September 2020; one of the longest running experiments at the McDonald Observatory.

The construction of the 107-inch telescope required more housing for the visiting astronomers as well as for the additional support staff so the Transient Quarters (later the Astronomer’s Lodge) was built as well as 15 additional staff houses.

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<sup>1</sup>Much of this information has been taken from the obituary written by James N. Douglas in the Bulletin of the AAS [Dou92] as well as from the pamphlet “The Harlan J. Smith Centennial Professorship in Astronomy” (see entry 3 in the catalogue.) and the pamphlet “The Edward Randall Jr., M.D. Centennial Professorship in Astronomy” (see entry 5 in the catalogue).

A program in radio astronomy was also developed with the construction of the University of Texas Radio Observatory (UTRAO) in Marfa, Texas. Later on the Millimeter Wave Telescope was moved from campus to the observatory. In 1978 Harlin started advocating for an even larger telescope at McDonald, the 300-inch Eye of Texas (see entries 396 and 417 of the catalogue). This was not to be due to the collapse of the Texas oil economy in 1985. He did, however, start discussions with Penn State University about the 433-inch Hobby-Eberly Telescope (the former Spectroscopic Survey Telescope, see entry 4 of the catalogue) which was dedicated in 1997,

Harlin was a member of the Royal Astronomical Society, the International Astronomical Union, the American Association for the Advancement of Science, and the American Astronomical Society (AAS). As a member of the AAS he served as Chairman of the Planetary Division from 1974–1976, as a Council Member from 1975–1978, and as Vice-President from 1977–1979

Harlan was strongly committed to public service for astronomy. He served on the Committee on the Large Space Telescope (later the Hubble Space Telescope) from 1966–1970 and was a member of the Space Science Board (SSB) of the National Academy of Sciences where he was also Chairman of the Committee on Space Astronomy and Astrophysics.

He served as a member of the Board of Directors of the Associated Universities for Research in Astronomy (AURA), 1972–1983, and was Chairman of the Board from 1980–1983. He was also Chairman of the Management/Operations Working Group for Planetary Astronomy at NASA from 1988–1991. He received the NASA Distinguished Public Service Medal in 1991 (see entry 507 of the catalogue).

Harlan retired as Director of the McDonald Observatory in 1989 but continued to teach at the university and engage in public service work until his death on 17 October 1991.



## The Books

The Harlan J. Smith Collection of Books at the McDonald Observatory consists of 511 catalogued entries. However, a number of the entries refer to multi-volume works or contain multiple reprints and articles so there are quite a few more than that number of items in the physical collection.

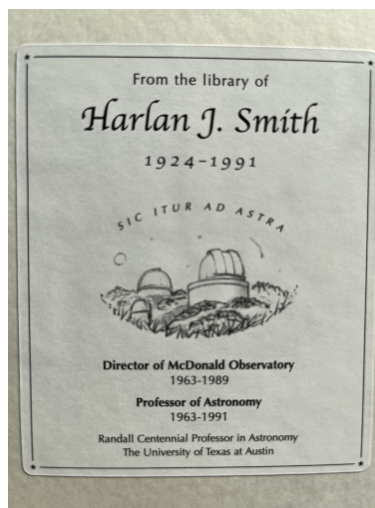
These works represent only a small part of Harlan's reading interests. The collection consists of his science library; the working books he might have used on a daily basis or for reference. Harlan's interests, as indicated by these books, are primarily in planetary studies and space exploration/development. But there are also works on math, physics, the history of astronomy, philosophy of science, life on earth, alien intelligence, and the colonization of space. There is also a strong interest in climate change dating back to the 1970's. The collection includes reports from his work with the various boards and committees on which he served, while others are gifts from their authors or interesting works he picked up in his travels.

Many of the items contain the bookplate '**FROM THE LIBRARY OF *Harlan J. Smith***', usually on the inside front cover. This bookplate was designed by Joan Smith and added to the books when they were first sent to the McDonald Library. The bookplate shows Mt. Locke as viewed from the north-east with the 107-inch Harlan J. Smith telescope in the foreground, the 82-inch Otto Struve telescope behind it, and the 36-inch telescope in the small dome to the left. The Latin inscription "SIC ITUR AD ASTRA" translates as "SO WE GO TO THE STARS"<sup>2</sup>.

Many of the books also contain the embossed library stamp of Harlan J. Smith, usually in the lower-right corner of the title page. These personalized stamps were quite popular in the 1980s and this stamp was added by Harlan.

In addition, there is usually a signature or the initials HJS in the upper-right corner of the front free end paper, though occasionally they may appear elsewhere. These ownership marks are indicated in the catalogue. Signatures and initials are given as written in the item.

A number of books appear to have been purchased from used book dealers. There are also a number of duplicate books to be found among all the entries.



Bookplate from the HJS library.  
Designed by Joan Smith.

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<sup>2</sup>At least according to Google Translate

The first books were sent to the McDonald library in 1993–94. According to Phil Kelton, Superintendent at the time, the books were located in his office. Jane Wiant, who started as the librarian in 1978, recalls that the collection was later housed in the HJS telescope building. At some point the collection was moved to the Otto Struve library. When the books arrived in west Texas an inventory of the collection was created listing 315 items. I have a paper copy of the Microsoft Excel spreadsheet of this inventory. Comparison with the 307 items identified in the Struve library for this catalogue located 300 items on the 1994 inventory. There are also 14 items found in the current catalogue which are not in the 1994 list. Some of these additional items contain the HJS bookplate so they belong with the collection; other works are relevant to the observatory so they certainly might belong in this collection. The counts don't match because some items in the current list are grouped as one item while they are listed as separate items in the 1994 list. The inventory work for this catalogue on this group of books was begun on 1 Dec 2021 and finally finished on 23 Oct 2022, after a long delay.

A second set of books were sent by Nat Smith on 2 November 2021. Cataloguing occurred 10–11 April 2022. There were 4 boxes and 57 items in this second shipment. A third set of books was received from Jeffrey Mallon on 29 March 2022. These were catalogued on 9–10 April 2022. There were three boxes and 94 items in the third shipment. Finally, a fourth shipment was received on 13 April 2022 and catalogued on 16–17 April 2022. There were two boxes (1 cu ft each) and one small box (1/2 cu ft) with a total of 54 items in the fourth shipment. Work on the software to produce the catalog was started on 18 April 2022 and mostly finished at the end of June 2022. Further work on the design and layout was incorporated during the proofreading of the catalogue in the fall of 2022.

The catalogue entry format is,

index *Author/Editors(s)* **TITLE**  
year, place, publisher, pagination  
edition/printing, if known  
series name, if a part of a published series  
publishing comments  
comments about the condition of the item  
ownership marks of HJS, if any  
HJS catalogue number

The catalogue is sorted by year and then author/editor. If there is no note about the binding, then you may assume a hard-bound book. If there is an intact dust jacket, it is noted. A paperback book is notated as having paper covers. (Entry 98 is interesting; it has paper covers but also a paper dust jacket as well as a one inch paper ribbon.) Any interesting features of the item are noted as are any articles by HJS. The HJS catalogue number is “HJS Shipment#.Box#(0).count” where shipment 1 is the existing collection at McDonald while shipments 2, 3, and 4 were the later boxes shipped in 2021/22. The HJS catalogue number is my ordering of the books as I catalogued them and form a basic shelf list that allows me to locate the books again. The 1994 inventory is also provided in the same format with links to the current catalogue. Finally, an index of author/editor(s) and the associated entry number(s) is provided.



# Bibliography

- [Dou92] James N. Douglas. “Harlan J. Smith (1924–1991)”. In: *Bulletin of the AAS* 24.4 (Sept. 1, 1992). <https://baas.aas.org/pub/harlan-j-smith-1924-1991>. URL: <https://baas.aas.org/pub/harlan-j-smith-1924-1991>.
- [SH63] Harlan J. Smith and Dorrit Hoffleit. “Light Variations in the Superluminous Radio Galaxy 3C273”. In: *Nature* 198.4881 (May 1963), pp. 650–651. DOI: 10.1038/198650a0. URL: <https://ui.adsabs.harvard.edu/abs/1963Natur.198..650S>.
- [Smi55a] H. J. Smith. “Low-luminosity intrinsic variables with periods less than 0.2 day.” In: *Astronomical Journal* 60 (June 1955), p. 179. DOI: 10.1086/107208. URL: <https://ui.adsabs.harvard.edu/abs/1955AJ.....60..179S>.
- [Smi55b] Harlan James Smith. “Some investigations of short-period cluster-type variables”. PhD thesis. Harvard University, Massachusetts, Jan. 1955. URL: <https://ui.adsabs.harvard.edu/abs/1955PhDT.....80S>.



# Catalogue of the Harlan J. Smith Collection

- 1 **FILE FOLDER WITH A XEROX COPY OF VOLUME 1 OF  
“PUBLICATIONS OF THE McDONALD OBSERVATORY”**  
volume 1 consists of a biography of W.J. McDonald and  
descriptions of the observatory  
laid in with a letter from Curt Laughlin to Harlan Smith listing the books  
in W.J. McDonald’s personal collection at the Observatory  
HJS 01.01(0).123
- 2 **ECLIPSE TOTALE DE SOLEIL DU 30 AOÛT 1905**  
Montpellier, G. Firmin  
paper covers  
stapled binding  
laid in with a catalog card entry  
HJS 01.01(0).188
- 3 **THE HARLAN J. SMITH CENTENNIAL PROFESSORSHIP IN ASTRONOMY**  
paper covers  
In 1983 the Harlan J. Smith Centennial Professorship in Astronomy was established  
in honor of HJS. Dr. William H. Jefferys, a former student of Smith’s,  
was the first recipient  
HJS 04.02(0).03
- 4 **THE SPECTROSCOPIC SURVEY TELESCOPE; AN INNOVATIVE APPROACH  
TO GIANT TELESCOPES**  
fold out brochure  
the Spectroscopic Survey Telescope was renamed the Hobby-Eberly Telescope in 1989  
HJS 04.02(0).05
- 5 **THE EDWARD RANDALL JR.,M.D. CENTENNIAL PROFESSORSHIP  
IN ASTRONOMY**  
paper covers  
brochure about the professorship first awarded to Harlan J. Smith  
HJS 04.02(0).07
- 6 **THE JACK S. JOSEY CENTENNIAL PROFESSORSHIP SYMPOSIUM IN HONOR  
OF DAVID S. EVANS**  
Oxford (UK), Pergamon Press  
a rebound hardcover copy of Vistas in Astronomy, Volume 30, part 1  
inscription in upper-right corner of front free endpaper  
“For Harlan Smith  
in slight recognition of  
your support over  
many years.  
David S. Evans  
2nd October 1987”  
HJS 04.02(0).26
- 7 **NOTES AND AGENDA FROM THE JULY 1985 BOARD OF VISITORS MEETING**  
HJS 04.02(0).31

- 8 **NEWSPAPER CLIPPING ON THE PERIDIER 12-INCH REFRACTOR WITH A COPY OF THE "THE COMETS TAIL", JULY 1984, VOL. 1, NR. 11, ENCLOSED IN A JULY 1984 BOARD OF VISITORS MEETING JACKET**  
HJS 04.02(0).32
- 9 **VHS VIDEO TAPE OF THE HARLAN SMITH 25TH ANNIVERSARY, 50 MINUTES, 9/30/88**  
HJS 04.03(0).50
- 10 **A COLLECTION OF REPRINTS AND ARTICLES BY HARLAN J. SMITH**  
HJS 04.03(0).53
- 11 *Froehlich, W.*, **SPACESTATION: THE NEXT LOGICAL STEP**  
Washington DC (USA), NASA  
series NASA EP-213  
glossy paper covers  
bookplate of HJS on table of contents page  
library stamp of HJS on title page  
HJS 01.01(0).69
- 12 *Oberg, J.E.*, **RED STAR IN ORBIT; THE INSIDE STORY OF THE SOVIET FAILURE AND TRIUMPHS IN SPACE**  
three Xerox copies of chapter 13, 'Things to Come', from Oberg's book  
HJS 01.01(0).127
- 13 *Ogden, C.K. and I.A. Richards*, **THE MEANING OF MEANING; A STUDY OF THE INFLUENCE OF LANGUAGE UPON THOUGHT AND OF THE SCIENCE OF SYMBOLISM**  
New York, Harcourt, Brace, & World, Inc., xxii, 363 pp  
series Harvest Book, HB-29  
a reprint of the 1923 edition  
paper covers  
HJS 03.02(0).58
- 14 *Percy, J.R.*, **THE OBSERVERS HANDBOOK 1972**  
Toronto, The Royal Astronomical Society of Canada, 101 pp  
with 8 pages of advertisements in the back  
bookplate of HJS on inside front cover  
initials of "HJS" in upper-right corner of front cover  
HJS 01.01(0).19
- 15 *Smith, H.J.*, **AST 309K LECTURE NOTES**  
copy 2 of the lecture notes from the undergraduate library,  
University of Texas reserve collection  
two-hole black binder  
bookplate of HJS on inside front cover  
HJS 01.01(0).119



- 16 *Weyl, H.*, **SPACE — TIME — MATTER**  
New York, Dover Publication, xv, 330 pp  
a reprint  
first American printing of the fourth edition of 1922  
paper covers with stapled binding  
signature of “H. J. Smith” in upper-right corner of front free endpaper  
HJS 03.02(0).57
- 17 *Ball, R.S.*, **THE STORY OF THE HEAVENS**  
1892 London, Cassell & Co., xix, 556 pp  
inscription on inside front cover  
“In remb: of our trip together in the ‘City of Paris’  
To Samuel Goodman Esqr.  
with the best wishes of  
T. Reginald Jones  
26 Lorne Road Birkenhead”  
revised edition of the first edition of 1886  
bookplate of HJS on front free endpaper  
library stamp of HJS on half-title page  
HJS 02.02(0).11
- 18 *Ball, R.S.*, **GREAT ASTRONOMERS**  
1895 London, Isbister and Co., xii, 372 pp  
bookplate of HJS on inside front cover  
library stamp of HJS on title page  
HJS 02.02(0).14
- 19 *Péridier, J.*, **LA ROTATION DE LA TERRE ET LES EXPÉRIENCES DE FOUCAULT**  
1903 Le Havre, H. Micaux, 23 pp  
paper covers  
spine has been taped  
laid in with a library card description  
HJS 01.01(0).187
- 20 *Russell, H.N.*, et. al., **ASTRONOMY; A REVISION OF YOUNG’S MANUAL  
OF ASTRONOMY; VOLUME 1, THE SOLAR SYSTEM**  
1926 Boston, Ginn and Company, xi, 470 pp, 21p app. A  
ex-lib McDonald Observatory  
bookplate of HJS on inside front cover  
library stamp of HJS on title page  
HJS 01.01(0).99
- 21 *Russell, H.N.*, et. al., **ASTRONOMY; A REVISION OF YOUNG’S MANUAL  
OF ASTRONOMY; VOLUME 2, ASTROPHYSICS AND STELLAR ASTRONOMY**  
1926 Boston, Ginn and Company, xii, 462 pp, 30p app. A  
ex-lib McDonald Observatory  
bookplate of HJS on inside front cover  
library stamp of HJS on title page  
HJS 01.01(0).100

- 22 *Eddington, A.S., THE INTERNAL CONSTITUTION OF STARS*  
 1930 Cambridge (UK), At the University Press, x, 407 pp  
 second printing of first edition of 1926  
 inscription on front free endpaper  
 “Bought Dec, 1950, Harvard Observatory  
 Harlan J. Smith”  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 HJS 02.02(0).17
- 23 *White, H.E., INTRODUCTION TO ATOMIC SPECTRA*  
 1934 New York, McGraw-Hill Book Co., xii, 457 pp  
 series International Series in Physics  
 bookplate of HJS on inside front cover  
 library stamp of HJS on half-title page  
 signature in upper-right corner of front free endpaper  
 “Harlan J. Smith  
 Harvard Observatory”  
 HJS 02.04(0).53
- 24 *Russell, H.N., et. al., ASTRONOMY; A REVISION OF YOUNG’S MANUAL  
 OF ASTRONOMY; VOLUME 2, ASTROPHYSICS AND STELLAR ASTRONOMY*  
 1938 Boston, Ginn & Co., xii, 489 pp, 30p app. A  
 possibly a second printing of the edition of 1927  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 signature in upper-right corner of front free endpaper  
 “Harlan J. Smith  
 Harvard College Observatory  
 Cambridge, Mass, USA”  
 HJS 02.04(0).46
- 25 *Smart, W.M., STELLAR DYNAMICS*  
 1938 Cambridge (UK), At the University Press, viii, 434 pp  
 with clipped dust jacket in poor condition  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 signature of “Harlan J. Smith” in upper-right corner of front free endpaper  
 HJS 02.03(0).35
- 26 **THE McDONALD TELESCOPE; COMMEMORATING THE DEDICATION AND THE  
 FORMAL OPENING OF THE McDONALD OBSERVATORY OF THE  
 UNIVERSITY OF TEXAS**  
 1939 Cleveland OH (USA), Warner & Swasey Company, 55 pp  
 laid in with a presentation slip  
 “The Warner & Swasey Company takes pleasure in presenting you this book  
 commemorating the dedication and formal opening of the McDonald Observatory  
 of the University of Texas May 5, 1939”  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 HJS 01.01(0).169

- 27 **ADDRESSES MADE AT THE DEDICATION EXERCISES  
OF THE W. J. McDONALD OBSERVATORY**  
1939 48 pp  
not stated in the book, it was published by the Warner and Swasey Company  
of Cleveland Ohio  
HJS 01.01(0).168
- 28 *Hildebrand, J.H.* and *W.M. Latimer*, **PRINCIPLES OF CHEMISTRY AND  
REFERENCE BOOK OF INORGANIC CHEMISTRY**  
1940 New York, The Macmillan Company, xi, 359 pp and xii, 563 pp  
4<sup>th</sup> edition  
laid in at back is a folded periodic table through element 103 with no date,  
element 103 was discovered in 1961  
the work is two books in one  
Principles of Chemistry was written by Hildebrand alone  
Latimer and Hildebrand are the authors of Reference Book  
bookplate of HJS on inside front cover  
library stamp of HJS in lower-right corner of title page  
HJS 01.01(0).25
- 29 *Reichenbach, H.*, **FROM COPERNICUS TO EINSTEIN**  
1942 New York, Philosophical Library, Inc.  
with dust jacket  
many notes from previous owner  
ownership marks of Theodore C. Green, Nashville TN  
HJS 03.03(0).70
- 30 **EPHEMERIDEN VON BEDECKUNGSVERÄNDERLICHEN FÜR DAS JAHR 1943**  
1943 Krajau, Sternwarte Krakau, 122 pp  
paper cover  
covers loose from text block  
HJS 01.01(0).122
- 31 *Herzberg, G.*, **ATOMIC SPECTRA AND ATOMIC STRUCTURE**  
1944 New York, Dover Publications, xiii, 257 pp  
2<sup>nd</sup> edition  
with dust jacket  
bookplate of HJS on inside front cover  
library stamp of HJS on half-title page  
signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
HJS 02.03(0).31
- 32 *Jahnke, E.* and *F. Emde*, **TABLES OF FUNCTIONS**  
1945 New York, Dover Publications, 306 pp, 76p app. A  
4<sup>th</sup> edition  
student edition  
paper covers  
bookplate of HJS on recto of first leaf  
library stamp of HJS on title page and preface page  
signature of "Harlan J. Smith" in upper-right corner on recto of first leaf  
HJS 01.01(0).90

- 33 *Planck, M.*, **TREATISE ON THERMODYNAMICS**  
 1945 New York, Dover Publications, xiv, 297 pp  
 3<sup>rd</sup> edition  
 with dust jacket  
 a translation of the seventh German edition  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
 HJS 01.01(0).196
- 34 *Russell, H.N.*, et. al., **ASTRONOMY; A REVISION OF YOUNG'S MANUAL OF ASTRONOMY; VOLUME 1, THE SOLAR SYSTEM**  
 1945 Boston, Ginn & Co., xi, 470 pp, 21p app. A  
 a revised edition of the edition of 1926  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 signature in upper-right corner of front free endpaper  
 "Harlan J. Smith  
 Harvard Observatory"  
 HJS 02.04(0).45
- 35 *Courant, R.*, **DIFFERENTIAL AND INTEGRAL CALCULUS; VOLUME 1**  
 1947 New York, Interscience Publishers, xiii, 616 pp  
 2<sup>nd</sup> edition  
 tenth printing of the revised second edition of 1937  
 HJS 03.01(0).14
- 36 *Lemon, H.B.* and *M. Ference*, **ANALYTICAL EXPERIMENTAL PHYSICS**  
 1947 Chicago, The University of Chicago Press, xvi, 588 pp  
 the third printing of the revised edition of 1946  
 the first edition is from 1943  
 bookplate of HJS on inside front cover  
 library stamp of HJS on half-title page  
 signature of "Harlan J. Smith" on front free endpaper  
 HJS 02.02(0).21
- 37 *Milham, W.I.*, **TIME & TIMEKEEPERS**  
 1947 New York, The Macmillan Co., xix, 616 pp  
 sixth printing of the 1923 edition  
 inscription on front free endpaper  
 "For H.J.S. who knows a lot  
 and is learning more about  
 the care and feeding of  
 Time  
 Las Cruces  
 Aug 2, 1952"  
 with hand drawing of a clock and insects on front free endpaper  
 bookplate of HJS on inside front cover  
 HJS 04.03(0).43
- 38 **REPRINT OF NEWSPAPER ARTICLE ABOUT THE McDONALD OBSERVATORY**  
 1948 King Features Syndicate, 1 pp  
 dated 1948-01-24  
 pictures of the building, the telescope, P. Jose, Thornton Page, P. Swings, and A. Blaauw  
 HJS 01.01(0).145

- 39 **CENTENNIAL SYMPOSIA**  
 1948 Cambridge MA (USA), Harvard College Observatory, viii, 385 pp  
 series Harvard Monographs in Astronomy, Nr. 7  
 bookplate of HJS on inside front cover  
 library stamp of HJS on half-title page  
 signature of "Harlan J. Smith" in upper-right of front free endpaper  
 HJS 02.03(0).25
- 40 *Harrison, G.R.*, et. al., **PRACTICAL SPECTROSCOPY**  
 1948 New York, Prentice-Hall, xiv, 605 pp  
 series Prentice-Hall Physics Series  
 second printing of 1949  
 bookplate of HJS on inside front cover  
 library stamp of HJS in lower-right corner of title page  
 signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
 HJS 01.01(0).45
- 41 *Skilling, H.H.*, **FUNDAMENTALS OF ELECTRIC WAVES**  
 1948 New York, John Wiley & Sons, vii, 245 pp  
 2<sup>nd</sup> edition  
 bookplate of HJS on verso of front free endpaper  
 library stamp of HJS on half-title page  
 HJS 02.04(0).52
- 42 *Stuik, D.J.*, **A CONCISE HISTORY OF MATHEMATICS**  
 1948 New York, Dover Publications, Inc., xix, 299 pp  
 2<sup>nd</sup> edition  
 series The Dover Series in Mathematics and Physics  
 printed paper covers  
 signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
 HJS 03.01(0).25
- 43 *Baldwin, R.B.*, **THE FACE OF THE MOON**  
 1949 Chicago, The University of Chicago Press, xiv, 239 pp  
 with dust jacket  
 bookplate of HJS on inside front cover  
 library stamp of HJS on half-title page  
 signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
 HJS 02.04(0).49
- 44 *Kuiper, G.P.*, ed., **THE ATMOSPHERES OF THE EARTH AND PLANETS;  
 PAPERS PRESENTED AT THE FIFTIETH ANNIVERSARY SYMPOSIUM OF THE  
 YERKES OBSERVATORY, SEPTEMBER 1947**  
 1949 Chicago, University of Chicago Press  
 with dust jacket  
 compare to entry 55, this volume contains papers from a symposium on Planetary  
 Atmospheres held to celebrate the 50th anniversary of the Yerkes Observatory  
 library stamp of HJS in lower-right corner of title page and preface page  
 signature of "Harlan J. Smith" in upper-right corner of front free end paper  
 HJS 01.01(0).07

- 45 *McVittie, G.C.*, **COSMOLOGICAL THEORY**  
 1949 New York, John Wiley & Sons, viii, 103 pp  
 2<sup>nd</sup> edition  
 with dust jacket, missing spine  
 signature of "Harlan J. Smith" on front free endpaper  
 HJS 04.03(0).51
- 46 *Page, L. and N.I. Adams*, **ELECTRODYNAMICS**  
 1949 New York, D. van Nostrand Company, ix, 506 pp  
 1<sup>st</sup> edition  
 the third printing of the 1940 first edition  
 bookplate of HJS on inside front cover  
 library stamp of HJS on title page  
 signature of "Harlan J. Smith" on front free end paper  
 HJS 01.01(0).179
- 47 *Alfvén, H.*, **COSMICAL ELECTRODYNAMICS**  
 1950 Oxford (UK), At the Clarendon Press, viii, 237 pp  
 series The International Series of Monographs on Physics  
 with price clipped dust jacket  
 signature of "Harlan J. Smith" in upper-right corner of front free endpaper  
 HJS 03.02(0).37
- 48 *Chandrasekhar, S.*, **RADIATIVE TRANSFER**  
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 With the very friendly compliments of  
 the authors  
 G. de Vaucouleurs  
 A. de Vaucouleurs"  
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- 161 *Dicke, R.H.*, **THE THEORETICAL SIGNIFICANCE OF EXPERIMENTAL  
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 "July 25, 1989  
 To Harlan Smith  
 On the occasion of the  
 dedication of the  
 McDonald Observatory,  
 fifty years later.  
 Franklin Roach  
 Janet Gordon Roach"  
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- 255 *Sagan, C.*, **THE COSMIC CONNECTION; AN EXTRATERRESTRIAL PERSPECTIVE**  
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    “To Harlan Smith,  
    with thanks for your visit to our  
    department, as well as for other understandings over the years  
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    Jan 31, 1985”  
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 Family — with many  
 thanks for the friendship  
 and hospitality in  
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Thanks again for your time spent during the  
interview! I'll always remember it!  
Your friend,  
Shannon Bailey"  
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- 465 *Clifford, S.M.* and *R.M. Haberle*, eds., **MECA WORKSHOP ON ATMOSPHERIC H<sub>2</sub>O  
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- 503 *Bilby, C. and G. Kozmetsky, eds., MODELING AND SIMULATION  
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- 508 *Filippenko, A.V.*, ed., **ROBOTIC TELESCOPES OF THE 1990s**  
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- 509 *Kaler, J.B.*, **STARS**  
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- 510 **HARVARD MAGAZINE JAN/FEB 1992**  
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- 511 **AD ASTRA; THE MAGAZINE OF THE NATIONAL SPACE SOCIETY;  
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## COLOPHON

The catalogue was typeset with the L<sup>A</sup>T<sub>E</sub>X2e processing system in 10pt Computer Modern Roman font. It has been printed and bound by J. Fowler.