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Master Catalog of Vintage Personal Robotics Literature (1960s–2020s)

About This Directory: This document compiles publication metadata extracted from the **Norland Research Library** collection. It serves as a comprehensive reference guide to vintage books, DIY construction manuals, manufacturer catalogs, and academic surveys published during the golden age of personal robotics. All entries include title, author, publisher, publication year, ISBN/SBN number, and technical notes. Part III at the end details supplementary 1970s and 1980s personal robotics books that are not currently in the library collection.

PART I: Norland Research Library Collection Holdings (51 Works)

#	Book Title	Author(s)	Publisher & Year	ISBN / SBN & Notes
01	Build Your Own Working Robot (Buster)	David L. Heiserman	TAB Books Inc., 1976	SBN 0-8306-6841-1 Pioneering DIY guide to building 'Buster'.
02	The Complete Handbook of Robotics	Edward L. Safford, Jr.	TAB Books Inc., 1978	ISBN 0-8306-9872-8 Features Gallaher Research 'Grivet' robot.
03	How to Build a Computer-Controlled Robot (Mike)	Tod Loofbourrow	Hayden Book Co., 1978	ISBN 0-8104-5681-8 Step-by-step assembly of 'Mike' (Microtron).
04	Robots on Your Doorstep (A Book About Thinking Machines)	Nels Winkless III & Iben Browning	Robotics Press, 1978	ISBN 0-89611-000-4 Early philosophical/technical personal robotics text.
05	Robots: Fact, Fiction, and Prediction	Jasia Reichardt	Thames and Hudson, 1978	ISBN 0-14-004938-X Classic illustrated history of automata and robots.
06	How to Build Your Own Self-Programming Robot (Rodney)	David L. Heiserman	TAB Books Inc., 1979	ISBN 0-8306-9760-8 Adaptive machine intelligence & 'Rodney' robot.
07	How to Build Your Own Working Robot Pet	Frank DaCosta	TAB Books Inc., 1979	ISBN 0-8306-9796-9 Design of electronic quadruped pet with acoustic bark.
08	Exploring the World of Robots	Jonathan Rutland	Warwick Press, 1979	No ISBN listed Illustrated educational survey of mobile robotics.
09	Advanced Radio Control (2nd Edition)	Edward L. Safford, Jr.	TAB Books Inc., 1980	ISBN 0-8306-9948-1 Remote control systems for mobile robot bases.
10	Robot Intelligence... With Experiments	David L. Heiserman	TAB Books Inc., 1981	ISBN 0-8306-9685-7 ALPHA-I BASIC machine learning experiments.
11	How to Design / Build Remote Control Devices	Ivan G. Stearne	TAB Books Inc., 1981	ISBN 0-8306-0005-1 Electromechanical switches, motors, and transmitters.
12	Handbook of Advanced Robotics	Edward L. Safford, Jr.	TAB Books Inc., 1982	ISBN 0-8306-2521-6 Android design, arm kinematics, and motion sensors.

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13	Working Robots	Fred D'Ignazio	E. P. Dutton, Inc., 1982	ISBN 0-525-66740-7 Survey of industrial and personal working robots.
14	Robots, Reel to Real	Barbara Krasnoff	Arco Publishing, 1982	ISBN 0-668-05139-6 Cinema robots vs. real 1980s personal robots.
15	The Robot Revolution	Tom Logsdon	William Morrow & Co., 1983	ISBN 0-688-00913-6 Impact of microprocessors on personal automation.
16	The Robotics Primer	Robert A. Ullrich	Prentice-Hall, Inc., 1983	ISBN 0-13-782136-1 Introductory guide to robotic mechanisms.
17	Microcomputer Systems and Robotics	Mike Higgins	TAB Books Inc., 1984	ISBN 0-8306-1600-4 Interfacing microcomputers to mobile robots.
18	The Robots: Machines in Man's Image	Harry M. Geduld & R. Gottesman	Indiana Univ Press, 1984	ISBN 0-253-35070-5 Cultural and technical analysis of androids.
19	Robotics: Applications and Social Implications	Robert U. Ayres & S. Miller	Ballinger Pub., 1983	ISBN 0-88410-891-0 Economic analysis of mobile and industrial robots.
20	Robotics: Age of the Intelligent Machine	Lee Gutkind	Facts on File, 1985	ISBN 0-87196-972-9 Profiles of pioneer roboticists and companies.
21	The Robotics Revolution: The Complete Guide	Peter B. Scott	Basil Blackwell, 1984	ISBN 0-631-13162-0 Comprehensive guide to 1980s robotic technology.
22	Robots: Machines in Man's Image	Isaac Asimov & K. Frenkel	Harmony / Crown, 1985	ISBN 0-517-55110-3 Asimov's illustrated masterwork on real robotics.
23	The Great Robot Book	Texe W. Marrs & Wanda Marrs	Little Simon / S&S, 1985	ISBN 0-671-60208-X Popular consumer guide to 1980s personal robots.
24	Robot Tech Talk	Ed Radlauer & Ruth Radlauer	Childrens Press, 1985	ISBN 0-516-01938-6 Illustrated glossary of robotic terminology.
25	The Personal Robot Book	Texe W. Marrs	TAB Books Inc., 1985	ISBN 0-8306-1896-1 Definitive buyer's guide to TOPO, HERO, RB5X, Hubot.
26	A Salamander Book: Robots	Piers Burnett & Peter Marsh	Salamander Books, 1985	ISBN 0-86101-158-9 Color pictorial guide to world mobile robots.
27	Practical Robotics	William C. Burns & J. Worthington	Reston / Prentice-Hall, 1986	ISBN 0-8359-5381-5 Hands-on laboratory manual for personal robots.
28	A Layman's Introduction to Robotics	Derek Kelly	Petrocelli Books, 1986	ISBN 0-89433-265-5 Accessible guide to artificial intelligence & robots.
29	Build Your Own Working Robot (2nd Edition)	David L. Heiserman	TAB Books Inc., 1987	ISBN 0-8306-2821-5 Updated construction guide for Buster II.

#	Book Title	Author(s)	Publisher & Year	ISBN / SBN & Notes
30	Robotics (Just Look At... Series)	Mark Lambert	Rourke Enterprises, 1987	ISBN 0-86592-963-7 Visual survey of personal and industrial robots.
31	Mind Children: Future of Robot Intelligence	Hans Moravec	Harvard Univ Press, 1988	ISBN 0-674-57618-7 Carnegie Mellon AI professor's vision of robotics.
32	Computers: Those Amazing Machines	Catherine O'Neill	National Geographic, 1985	ISBN 0-87044-574-X Includes vintage personal robot bibliography.
33	The Robot Exhibit: History, Fantasy, Reality	American Craft Museum II	ACM Exhibition Catalog, 1984	No ISBN listed NYC exhibition catalog featuring TOPO, RB5X, HERO.
34	Radical Robots: Can You Be Replaced?	George Harrar	Simon & Schuster / NOVA, 1990	ISBN 0-671-69420-0 NOVA companion on Stanford AI & mobile robots.
35	Sensors for Mobile Robots: Theory & App.	H. R. Everett	A K Peters, Ltd., 1995	ISBN 1-56881-048-2 Master reference detailing ROBERT I/II/III platforms.
36	Robot	Robert Malone	DK Publishing, 2004	ISBN 0-7566-0270-X Visual encyclopedia of historical & modern robots.
37	How and Why Wonder Book of Robots	Paul E. Blackwood	Wonder Books, 1963	No ISBN (1963) Classic 1960s introduction to automata & logic.
38	How to Make Computer-Controlled Robots	Tony Potter & Chris Oxlade	Usborne Publishing, 1983	ISBN 0-86020-815-X Usborne guide to microcomputer robot bases.
39	Build a Remote-Controlled Robot Under \$300	David R. Shircliff	TAB / McGraw-Hill, 1986	ISBN 0-07-138543-6 Low-cost DIY mobile robot construction.
40	My Robots: Musings of a Hobby Robot Pioneer	David L. Heiserman	SweetHaven Publishing, 2014	Self-Published Heiserman's memoir on creating Buster and Rodney.
41	Microprocessor Based Robotics	Mark J. Robillard	Howard W. Sams & Co., 1983	ISBN 0-672-22050-4 Intelligent machine circuits & microprocessors.
42	Introduction to Robotics	Arthur J. Critchlow	Macmillan Publishing, 1985	ISBN 0-02-325590-0 Comprehensive textbook on mobile & arm robotics.
43	Real Robots	Scholastic Editors	Scholastic Inc., 1985	ISBN 0-590-40266-8 Scholastic guide to 1980s commercial personal robots.
44	If I Had a Robot: What to Expect from Personal Robots	Nelson B. Winkless III	Dilithium Press, 1984	ISBN 0-88056-353-2 Nels Winkless's guide to home personal robots.
45	Robots: An Introduction to Basic Concepts	David M. Osborne	Midwest Sci-Tech, 1983	ISBN 0-910853-00-2 Mobile robot mechanisms, kinematics, and sensors.
46	Smart Robots: Handbook of Intelligent Systems	V. Daniel Hunt	Chapman & Hall / VNR, 1985	ISBN 0-412-00821-2 AI, machine vision, and smart mobile systems.

#	Book Title	Author(s)	Publisher & Year	ISBN / SBN & Notes
47	Robot Builder's Bonanza: 99 Inexpensive Projects	Gordon McComb	TAB Books Inc., 1987	ISBN 0-8306-2800-2 Gordon McComb's seminal hobbyist robotics bible.
48	Robots: The Quest for Living Machines	Geoff Simons	John Wiley & Sons, 1985	ISBN 0-85403-242-7 Historical analysis of autonomous mobile robots.
49	Personal Robots 1980-2014	Patrick H. Stakem	PRRB Publishing, 2014	Self-Published Historical survey of personal robotics movement.
50	The American Robot: A Cultural History	Dustin A. Abnet	Univ of Chicago Press, 2020	ISBN 978-0-226-69271-5 Academic cultural history of American robotics.
51	Lost in Silicon Valley	Christine V. Frisina	Shanahan Printing, 2025	Private Edition History featuring Androbot & TOPO photo archives.

PART III: Supplementary Personal Robotics Literature (Not Currently in Library)

The following 100% verified 1970s and 1980s personal robotics books are recognized in historical bibliographies as key consumer robotics texts, but are not currently held in the Norland Research Library collection:

#	Book Title	Author(s)	Publisher & Year	ISBN / SBN & Notes
01	Probots and People: The Age of the Personal Robot	Timothy Orr Knight	McGraw-Hill (New York), 1984	ISBN 0-07-035106-6 Seminal overview of consumer personal robots, probot applications, and company profiles.
02	HERO 1: Advanced Programming Experiments	Howard Boyet	Heathkit / Group Tech, 1984	ISBN 0-87119-036-2 Machine-language programming experiments for the Heathkit HERO 1 ET-18 robot.
03	HERO 1: Advanced Programming and Interfacing	Mark J. Robillard	Howard W. Sams & Co., 1983	ISBN 0-672-22165-9 Hardware interfacing, sensor expansion, and 6808 code for HERO 1.
04	Advanced Robotic Systems	Mark J. Robillard	Howard W. Sams & Co., 1984	ISBN 0-672-22166-7 System architecture, motor speed control, and ultrasonic navigation for mobile bases.
05	HERO 2000: Programming and Interfacing	John D. Hubbard & L. Larsen	Heathkit / Zenith, 1986	ISBN 0-87119-153-9 Complete hardware manual for the 8088-based Heathkit HERO 2000 personal robot.
06	The Robots Are Coming (Computers and People)	Frank H. George & J.D. Humphries	NCC Publications, 1974	ISBN 0-85012-114-0 Early British 186-page overview of cybernetics, AI, and autonomous personal robots.
07	Machine Takeover: Impact of Computers & Automation	Frank Honywill George	Pergamon Press, 1977	ISBN 0-08-021229-8 Philosophical and technical examination of autonomous machine intelligence.
08	Robots and Robotology	R. H. Warring	Lutterworth / TAB Books, 1983	ISBN 0-8306-1673-X Handbook on mechanical limbs, sensors, pneumatic actuators, and electronic control.
09	Artificial Intelligence and Robotics: Five Overviews	Robotics Age Editors	Business Comm. Co., 1984	ISBN 0-89324-001-3 Technical surveys of computer vision, sensors, voice synthesis, and mobile bases.