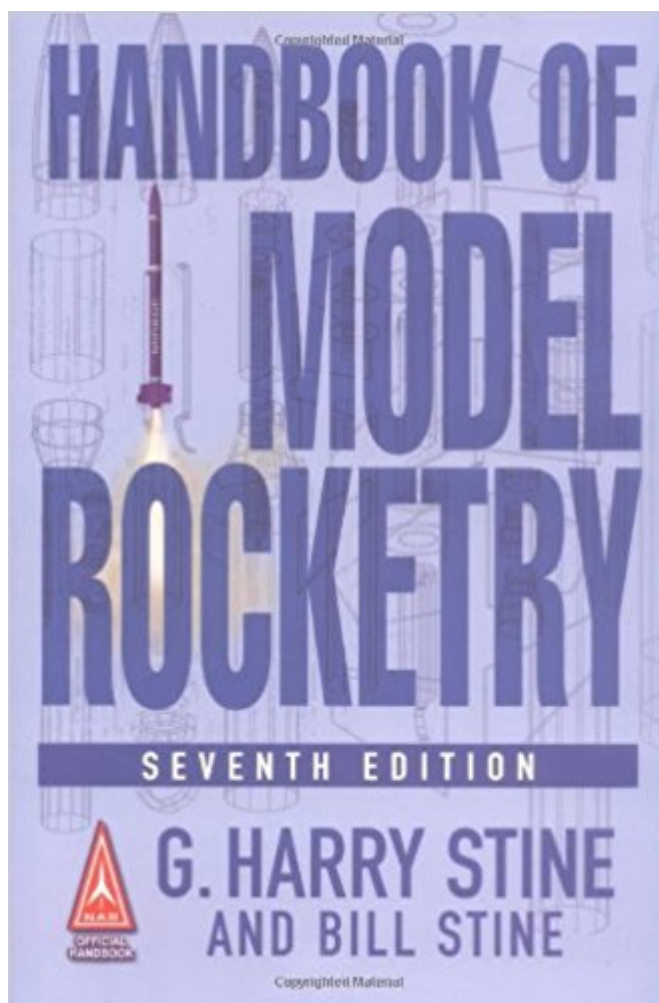


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# Handbook Of Model Rocketry, 7th Edition (NAR Official Handbook)



## Synopsis

A fully updated new edition of the bible of model rocketry and the official handbook of the National Association of Rocketry. G. Harry Stine was one of the founders of model rocketry and one of its most accomplished and respected figures. His Handbook of Model Rocketry has long been recognized as the most authoritative and reliable resource in the field. Now fully updated and expanded by Harry's son Bill Stine, who inherited his father's passion for model rockets, the new Seventh Edition includes the many changes in the hobby that have occurred since the last edition was published, such as new types of rockets, motors, and electronic payloads, plus computer software and Internet resources. This new edition also includes new photos and a new chapter on high-power rocketry. G. Harry Stine, founder and one-time president of the National Association of Rocketry, started the world's first model rocket company, whose kits are now in the Smithsonian. Bill Stine, also a model rocket expert, is the founder and president of Quest Aerospace Inc.

## Book Information

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## Customer Reviews

The classic guide by the "father of model rocketry"; revised and updated for the twenty-first century. This new edition of the "bible of modern rocketry" shows you how to safely build, launch, track, and recover model rockets; just as the experts do it! Whether you're a beginner or a veteran model rocketeer, the Handbook of Model Rocketry explains everything you need to know to get your rocket off the ground; from rocket construction and ignition systems to launching techniques, aerodynamics, altitude determinations, and recovery devices. G. Harry

Stine's son, Bill Stine, covers all the latest changes to the hobby since the last edition was published. This authoritative guide, the official manual of the National Association of Rocketry, provides the expertise you need to launch your rocket skyward. Features new types of rockets, motors, and electronic payloads, as well as computer software and Internet resources. Includes the latest regulations and a new chapter on high-power rocketry. Explains building and flying large rocket models, and using radio-controlled boost gliders and rocket gliders. Lists the latest resources as well as information about joining model rocket clubs and entering contests!

G. HARRY STINE was the founder and one-time president of the National Association of Rocketry. An engineer, science writer, and author, Stine also started the first model rocket company, whose kits are now in the Smithsonian. His son, BILL STINE, is a model rocket expert in his own right and is the founder and president of Quest Aerospace Inc.

Very interesting book overall, a classic of model rocketry that anyone involved in the hobby beyond a casual level should read. It ranges from very basic, common sense information to some mathematics that might be challenging for some. It is an updated version of a book written many decades ago but little of the basics have really changed since then and of course the physics doesn't change. At times it can be a bit tedious depending upon your present level of experience but I think most people in model rocketry will learn something new and interesting and gain a good overall understanding.

This book is the standard guide to the hobby. It is written in an instructional, accessible and engaging style that makes it a must for all model rocketeers from beginners to experts. The author is one of the co-founders of the National Association of Rocketry. His son, and co-author, is the founder and owner of Quest Aerospace. For those whose interest is engaged by this little sport, it doesn't get any better than this. Potential readers should know that this is a guide to the hobby of model rocketry (altitudes up to about 2,000 feet, motors up to G size), and not a manual to mid-power or high-power rocketry. The text appropriately emphasizes the topics one would expect to find - rocket kits, launch systems, recovery systems, field selection, simple aerodynamics. Engines get somewhat summary treatment. The author is quite clear that, at the hobby level, we are involved in building and recovering rockets and not in the business of designing and building rocket motors. From size 1/2A to size G, we buy our single-use rocket engines prefabricated. Remember that the first edition of this book appeared in 1964, and much of the text derives from that edition.

That's not a bad thing, but just an observation. There is definitely an emphasis on the "garage-build," DIY methods of the golden age, and a relative lack of information on more modern RTF kits. The book assumes that you have an interest in building models as well as flying them. Recovery systems and rocket stability are also discussed at length, because it was these systems that presented the most challenging problems to rocketeers from the 1960s and 70s. So, in a way, think of this book as a reference to the hobby "pre-Estes." This book is so very good because it just oozes appreciation, nostalgia, and technical mastery. It's a real treat to learn from one of the true masters. Got an interest? This is the book you want.

The book is in great condition. It very well written I found it easy to follow, full of information from the science of rocketry to build your own model. Great for those just starting into the hobby up to the more experienced. A needed staple for anyone who is interested in model rocketry. If you have questions, or just want to learn more about rockets this book is necessary to have on your workbench.

This book is very well organized and has all the information you need. We bought this and two model rockets for my 10 year old for Christmas. NOTE: My son loves and reads everything science related, even if it's over his head (he skips those parts and moves on). This book would not be suited for the average 10 year old who just wants the excitement of firing off rockets...this is for those wanted to better understand the details about flying rockets. So there are formulas and details that are definitely above my son's understanding. That makes this book all the better. He read through it in a months time and plans to go through it again...picking up more details the next time. When he is older, he will have a better grasp of high math and be able to better understand those parts of this book. With that, I know this book will be used for years to come.

This is probably the only handbook I've ever read cover to cover and enjoyed every page. The book takes you through some of the history of model rocketry as well as provides a LOT of design advice for people who are interested in building their own rockets from scratch. It covers a wide breadth of topics and has enough information to pique your interest in trying new things with rocketry. The best part of the book is the common sense approach to safety and doing something that is dangerous but a lot of fun. If you have any interest in model rocketry at all, this book can help you get started and is a great resource for anyone who is interested in rocketry from young children to adults who are looking to beat their co-workers at a rocket competition sponsored by work (especially if you can

beat the actual rocket scientists!). The handbook is constantly encouraging the reader to try things out, to not be afraid to go out of their comfort zone, but at the same time provides practical experience based tips to keep you from doing something that might be classified as blatant stupidity.

As a boy, I checked this book out of the library so often, that when I turned 12 my parents bought me my own, brand new forth edition, hardbound copy. Over the years I have read it cover to cover too often to count. The section on aerodynamics and drag was especially engrossing to me. By the time I was fifteen, I hit a stumbling block in my understanding. I couldn't figure out how to determine the coefficient of drag. Many years later as an undergrad engineering student, I finally realized that the coefficient of drag can only be determined experimentally (Unless you're an aeronautical engineer trained in using some very sophisticated fluid dynamic modeling software). I probably only flew my rockets once or twice a summer. But I dreamed about them all year long. The Handbook continued to captivate and inform me from the time I was a boy, until I was educated as an engineer. Moreover, it introduced and prepared me for many subjects. From physics to materials, to construction, to history, and much more. If you know a boy or girl (young in age or young at heart) interested in model rockets, I highly recommend this book. It will be valuable from the first day, and for the days that turn into months and years after that.

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