



## N-1: For the Moon and Mars A Guide to the Soviet Superbooster (English and Russian Edition)

*By Matthew Johnson, Nick Stevens, Alexander Shliadinsky, Igor Bezyaev, Vladimir Antipov*

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**Bibliography**

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## **Editorial Review**

### **Review**

Books from ARA Press are always well-researched, well-produced, meticulous and accurate in detail, while still relating the big picture without clutter. Every book is a joy to read, a treasure to behold. This volume, *N-1 For the Moon and Mars*, is no different, except that they have really outdone themselves this time!

Editor Hagerty and the international team of five contributing authors have produced a wonderful compilation of original material from the N-1 program, stories and writings from scientists and engineers, along with extensive new material. The book accurately tells the incredible story and audacious dreams of the Soviets for the conquest of space.

This book appeals to a wide audience: rocketeers, modelers, fans of manned space exploration, designers and engineers, students of history, alternate history buffs, and more. --**Cliff Sojourner, President, Livermore Unit of the National Association of Rocketry**

This book would be a nice addition to any space library. A mixture of nostalgia, effective sleuthing and historical photos blended effectively with modern computer generated imagery.

When you look at this book you cannot help but be taken back to those exciting times in the race for the Moon, and equally be thankful for the passage of time, the opening of closed archives and the fantastic opportunities modern technology and computer imagery offers today's researchers. But the magic lies within these pages of what the authors have been able to do blending old imagery with new technology. The result is impressive and by choosing such a topic, inspiring.

This volume satisfies the enthusiast, the engineer, the technical mind and the modeler. In one volume this is a concise overview of the vehicle, its mission and programme, with detailed imagery and graphics to dissect each component, or allow you to construct your own scratch built model and offer the technical data to support further study. The presentation is crisp and clean and the book is a pleasing and welcome addition to any space library. After all how many of us have hard copy books on the Soviet N-1 and their attempts to send cosmonauts to the Moon? --**Spaceflight Vol 56 October 2014**

For decades, the existence of the Soviet moon program remained a closely guarded secret. The USSR's collapse opened the archives, revealing the details, most notably of the N-1 launch vehicle. Designed to lift [large] payloads out of Earth orbit, the N-1 was an engineering marvel on par with the Saturn V.

*N-1: For the Moon and Mars* details the program with the sort of esoterica that makes modelers drool. Authors Matthew Johnson, Nick Stevens, Alexander Shliadinsky, Igor Bezyaev, Vladimir Antipov and editor Jack Hagerty, provide a history of the vehicle and the proposed missions to Mars and the moon. A full-course meal replete with scale drawings and computer-generated images of each of the N-1's stages and components shown from at least six angles, the book includes measurements, detailed callouts, and even color information everything you need to model the rocket. There's also a chapter about the launch complex, complete with drawings. A ton of photos rounds out the feast. --**FineScale Modeler October 2014**

About the Author

**Matthew Johnson**, a long time science fiction and space program enthusiast began researching the N-1 in 2008 in order to create a thirty engine flying scale model for entry the National Association of Rocketry's Scale Competition. This competition requires the assembly of a data pack documenting the real rocket being modeled. That research put him in contact with Nick Stevens, CGI designer in London and the late Mike Dorffler of Estes. Mike was the American contact for N-1 historian Alex Shliadinsky in Russia; internationally known as the first and best historical expert on the N-1. The untimely death of Mike Dorffler in 2010 left Alex without a contact in the US, and Matt offered to continue working with him. With the enthusiastic support of Jack Hagerty at ARA Press, that offer lead directly to the creation of *N-1: A Reference Guide to the Soviet Superbooster*. Matt is a resident of Grand Rapids, Michigan.

**Nick Stevens** is a Computer Capacity & Performance specialist in the day job in London, and is an Artist member of the International Association of Astronomical Artists, and an administrator of the International Space Art Network. He founded and ran single-handed the UK's first online astronomy service *Starbase 1* back in the days of dial-up. Nick lives outside of London and you can find his work on the *spaceart1* website.

**Alex Shliadinsky** is internationally known as the man who first researched N-1 after records started being unsealed in the late 1980 s. His meticulous engineering drawings of the rocket, first by hand and then in AutoCAD, have been reproduced in professional aerospace histories, in the magazines *Astronautics News*, *Russian Space*, *Spaceflight* and *Wings of the Motherland*. Most notably, he provided the N-1 drawings for Boris Chertok s history of the Soviet space program, *Rockets and People*, Volume IV, The Moon Race.

Working with Mike Dorffler in the US, Shliadinsky s drawings of the N-1 were published on CD between 2005 and 2007 and in an enhanced New Edition shortly before Mike s untimely death in 2010. Alex lives in Saint Petersburg, Russia.

All through school **Igor Bezyaev** was fanatically interested the dream of interplanetary flight and dreamed of becoming a cosmonaut.

He first learned of the existence of the USSR s moon and Mars programs in the early 2000s. As he was already well versed in 3D graphics programs, he decided to recreate all the famous Soviet interplanetary ships as three-dimensional renderings. Since then, he has mastered working in three-dimensional graphics and has collected a large library of materials related to Soviet lunar and Martian ships. He is gratified to have participated in this book on the masterwork of designer Sergey Korolev, the rocket that was intended to carry out the long-standing dream of mankind: travel to other planets! Igor lives in Obninsk, Russia.

**Vladimir Antipov** worked at the Baikonur Cosmodrome for 27 years as an engineer where he was engaged in the testing of ground equipment and participated in spacecraft launches. When he first arrived in 1980 he immediately noticed the crater and a lot of debris from the N1-6L accident, as well as the giant abandoned structures used to prepare and launch it. Around 1990 when the first data on the N-1 started to appear, he began to collect information and reconstruct the history of the lunar rocket. He arranged a children s "study group for the N-1 rocket and, with the approval of the authorities, visited the Baikonur facilities associated with the lunar program of the Soviet Union, photographing and describing the fragments of the N-1 and L3 ships. The collected research is stored at the N-1 L3 museum in Baikonur. He currently lives outside of Moscow.

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