

**MODEL
ROCKETRY
IN THE
SPACE
AGE**





National Association of Rocketry

WHAT IS THE NAR?

Not a professional organization, the National Association of Rocketry was founded as a non-profit corporation in 1957 under the laws of Colorado. Devoted to preparing today's youth to take its place in the world of rocket power and astronautics, the NAR is national in scope, with members in all fifty states and Canada. It is guided by a Board of Trustees which include some of the nation's finest rocket and astronautic experts: Willey Ley, Col. Charles M. Parkin, Erik Bergaust, Robert A. Heinlein and G. Harry Stine. Its members include such people as Bertrand Brinley, Jacqueline Cochran, Dr. William O. Davis, Willis C. Brown, Otto Binder, Albert L. Lewis, Dr. Walter A. Good, Russell Nichols and a host of others.

NAR is the largest non-professional rocket society in the United States. It is also the only rocket society which has compiled a complete set of Official Standards and Regulations covering the construction and classification of model rockets, the classification of model rocket engines, the operational procedure and requirements for rocket range work and has sanctioned competition and 21 official contest events, including homologation of national NAR model rocket records.

MODEL vs AMATEUR ROCKETRY

NAR is primarily concerned with model rocketry, which differs from "amateur" rocketry. Amateur rocketry, utilizing large metallic rockets powered by home-made fuels and rocket motors requires extensive safety precautions, expert professional supervision and large tracts of land for flight. Model rocketry is concerned with small, light, inexpensive rockets made of paper, balsa, plastic and other non-metallic materials, powered by commercially available model rocket motors. Anyone with hobby tools can build a model rocket, which are akin to model airplanes. Amateur rockets are similar to

the experimental man-carrying aircraft constructed in garages by amateur aviators.

MEMBERSHIP IN THE NAR

Model rocketry knows no age limit and membership is open to anybody, regardless of age. Some girls join because they realize there is a future for women in the Space Age. Junior Membership, available for \$2.00 per year, is for anyone under 21 years of age. Senior Membership with voting rights is \$3.00 per year for anyone over 21.

All members signify upon joining that they will obey the strict NAR Safety Code to the letter, agreeing to abide by the NAR Official Standards and Regulations in model rocket work.

If more than ten members live in one locale they may form an NAR Section and apply for an official charter. Two Section members must be Senior Members of the NAR.

PURPOSES OF THE NAR

NAR aims to advance the art of model rocketry as a hobby, as a sport and as a Space Age educational tool. To this end it publishes a monthly newsletter, THE MODEL ROCKETEER, publishes NAR Technical Reports on various phases of model rocketry, makes plans of model rockets available through its Plan Program, works with cities and towns in setting up permissive model rocket laws, co-operates with schools in establishing rocket curricula and clubs and joins in co-operative programs in youth rocketry with professional and civic organizations. NAR also coordinates activities with other non-professional rocket groups such as the Rocket Research Institute, Inc. NAR is making its experience and facilities available to personnel of the Federal Aviation Agency, the Civil Air Patrol, the National Aviation Education Council, the Department of

Health, Education and Welfare and professional rocket societies. It is working closely with model rocket manufacturers at no charge to help them develop safe and reliable model rocket equipment. No officer or Trustee of the NAR is allowed to affiliate in any way with such a manufacturer in order that unbiased decisions may be made in favor of safe rocketry.

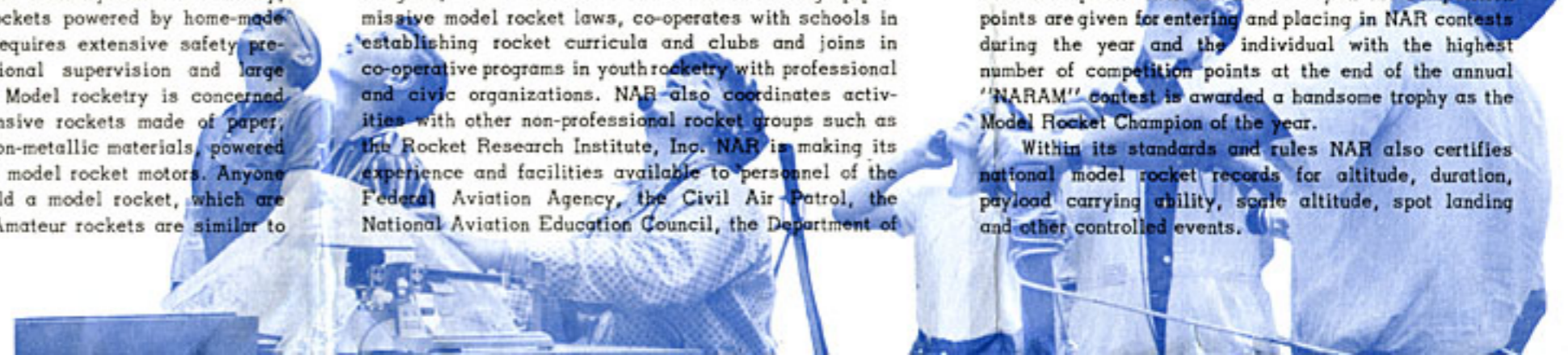
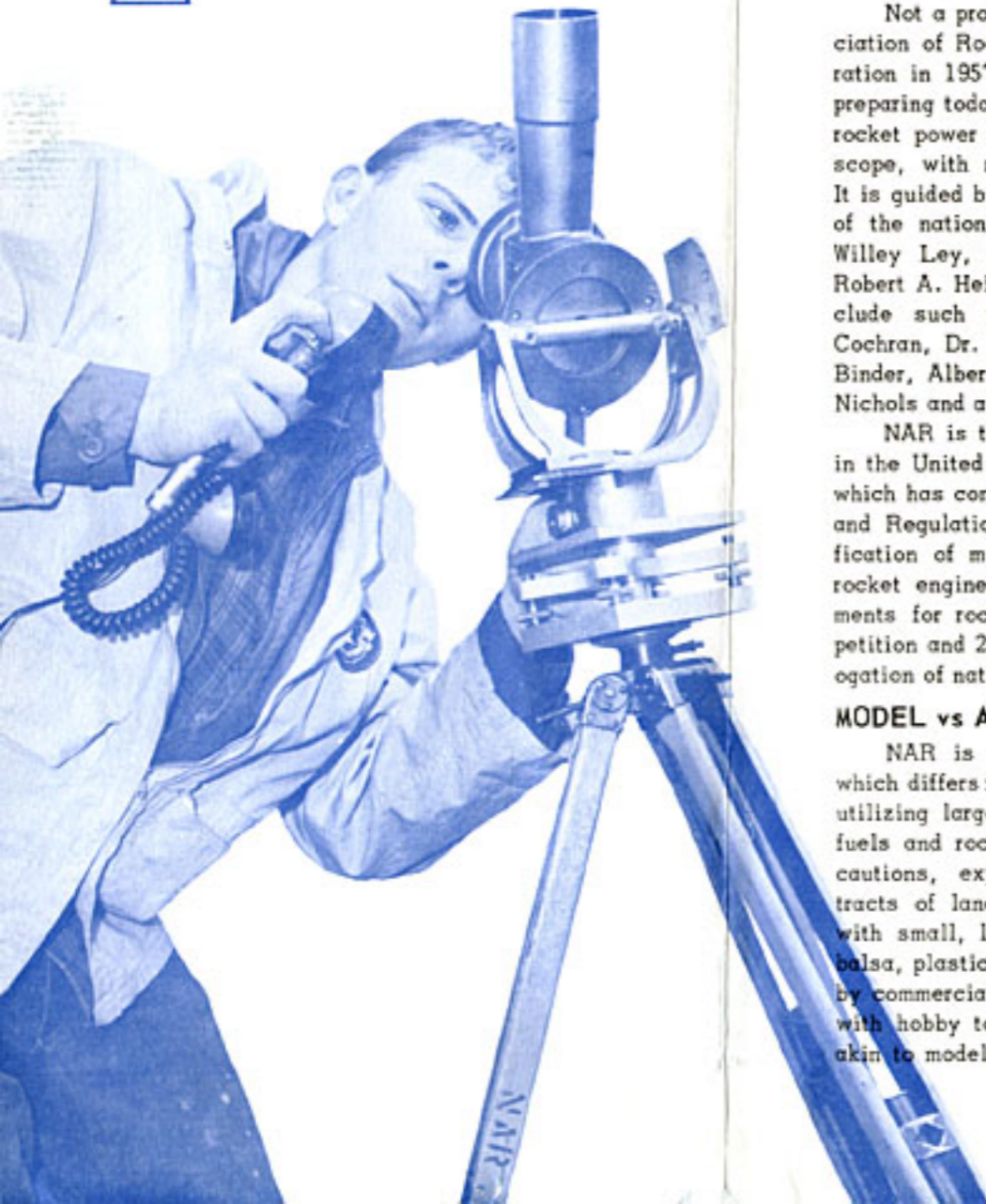
CONTESTS AND EXHIBITIONS

The NAR will set up and operate model rocket ranges on the site of the 1960 Boy Scout Jamboree at Colorado Springs, Colorado during July. Demonstrations will be flown twice daily for as many of the 60,000 Boy Scouts at the Jamboree as possible.

NAR demonstration teams have performed over NBC Television at the First World Congress of Flight and at the 1958 National Model Airplane Championships.

Because NAR has a standardized framework of rules and regulations it is possible for NAR members all over the nation to conduct model rocket contests under NAR rules. Contests are held to achieve the highest altitude with limited engine power, to achieve the highest altitude carrying a standard payload, to achieve the highest altitude with a scale model and many others. The NAR Contest Year culminates in the National Model Rocket Championships held annually in the summer time and open to NAR members everywhere. Competition points are given for entering and placing in NAR contests during the year and the individual with the highest number of competition points at the end of the annual "NARAM" contest is awarded a handsome trophy as the Model Rocket Champion of the year.

Within its standards and rules NAR also certifies national model rocket records for altitude, duration, payload carrying ability, scale altitude, spot landing and other controlled events.



YOUTH ROCKET PROBLEM

The NAR does not believe that it has the only workable solution to the youth rocket problem, but it knows that it has a solution, complete with answers that have come from three years of experience in workshops and rocket ranges. The NAR rules have been tried and proven. They work.

While the NAR is designated primarily for the scientifically minded young person of today, it also wants to help those whose only wish is to fly a rocket. The NAR does not attempt to entice young people to build rockets, but it does encourage them to build and fly them right, and in safety, if they wish to fly them at all.

The NAR's greatest fear is from the two types of rocket enthusiasts who are in direct contrast to the scientifically minded rocketeer. It fears that the "Basement Bomber" type of rocketeer and the irresponsible "Go-Go" rocketeer, types who pay no attention to laws, safety rules, advice, instruction or common sense will, on account of their accidents, destroy non-professional rocketry in this country and force the hobby under cover where it cannot be supervised and controlled.

The NAR feels that it is vital to have a safe, controlled, supervised, citizen-operated program of model rocketry in this country if the nation is to develop a reservoir of trained and motivated scientists for tomorrow.

For further information write:



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