

# missiles and rockets

Magazine of World Astronautics

WAYNE W. PARRISH,  
President and Publisher

ROBERT H. WOOD,  
Editorial Director

ERIK BERGAUST,  
Managing Editor

Staff Editors

ENGINEERING: Joseph S. Murphy  
ELECTRONICS: Henry P. Steier  
MILITARY: Henry T. Simmons  
INTERNATIONAL: Anthony Vandyk  
MANUFACTURING: Fred S. Hunter  
LONDON: James H. Stevens  
PARIS: Jean-Marie Riche

ART DIRECTOR: William H. Martin  
RESEARCH DIRECTOR: A. J. Newfield

Manuscripts that are not negotiated should be submitted to the Managing Editor for consideration. In the event the subject matter of the manuscript is considered to be in a classified area, the manuscript must be cleared by the proper security review office of the Department of Defense. Responsibility for security clearance rests with the author.

LEONARD EYSERER,  
General Manager

WILLIAM A. PEARSON,  
Director of Advertising

LARRY BRETTNER,  
Manager, Publication Sales

**Publishing Information:** Published every month by American Aviation Publications, Inc., Washington, D. C. Printed at The Telegraph Press, Harrisburg, Pa. Application for second class mail privileges is pending at Washington, D. C.

Copyright 1956 by  
AMERICAN AVIATION PUBLICATIONS, INC.

October, 1956

## A New Age Unfolds

**T**HIS IS THE AGE OF ASTRONAUTICS. This is the beginning of the unfolding of the era of space flight. This is to be the most revealing and the most fascinating age since man first inhabited the earth.

Shortly the first satellite vehicles will be hurtled aloft by powerful rockets to bring back the known from the unknown. Out of the coming conquest of space will come scientific data that will benefit the whole world. There will be advances in the fields of meteorology, flight safety, medicine, physics and many others. The possibilities are without limit.

The visionaries who long ago dreamed of the conquest of space have been succeeded by scientists and industrialists who have transformed a fantasy into a vast and important industry combining the needs of defense with a search for peaceful uses of space vehicles.

Rocketry has come a long way since the time less than twenty years ago when Adolf Hitler and his close associate Heinrich Himmler were skeptical of the efforts being exerted by German scientists to build huge and costly rockets for upper air research. But the impact of the first V-1s and V-2s which fell on London was not lost on the scientists of the world. Today the rocket—or a rocket weapon—is being openly discussed as perhaps the ultimate weapon for the prevention of war. Perhaps it will be the last weapon of war.

The age of astronautics, as has been true with so many scientific advances, leans heavily upon the military in these early stages. But a great amount of research and development must come from scientific institutions and industry. A prime example of the frontal approach now being made is the Vanguard Satellite Program utilizing an amazing combination of talent from both military and scientific organizations.

A measure of the rapid expansion in the entire missiles field is the increase in expenditures by the Department of Defense alone from \$21 million in fiscal 1951 to \$1.3 billion in the current fiscal year. But this is only a part of the over-all total.

It is our purpose to serve this new and growing field of missiles, rockets, satellites and astronautics to the best of our ability and within the limitations of national security. Rigid though certain security restrictions may be, there is a vast amount of unclassified material available.

The official journal of the American Rocket Society, *Jet Propulsion*, is performing an excellent technical service. It is our purpose to supplement its valuable work with a news and feature periodical geared to the growing industrial, government and scientific requirements of what is today a complete new industry.

To ensure political quality, we have support without peer. Mr. Robert H. Wood, for eighteen years a top aviation editor, will supervise this magazine as editorial director for the company. Mr. Erik Bergaust, a recognized authority in the field of astronautics, is managing editor. In the background is an editorial board of world renowned scientists. We shall spare no effort to make MISSILES & ROCKETS a magazine that fulfills the interests and needs of all who believe that they are, indeed, embarking on another great adventure in the history of mankind.

WAYNE W. PARRISH  
President and Publisher