

55th Anniversary of the SCIENTIFIC TECHNICAL REVIEW

This year marks the 55th anniversary of the *Scientific Technical Review* (STR), one of the publications of the Military Technical Institute. When it was first launched in the mid-twentieth century, the Review was meant to inform engineers and researchers from the Military Technical Institute and military industry about the latest military technical achievements. Since then it has become a leading national publication comprising original scientific papers with results of genuine applied research striving towards developing state-of-the-art weaponry and military equipment.

The Review was first published under the title *Scientific News Review of Military References* towards the end of the 1950s, offering information about the most interesting achievements in the field of military technical science. From 1959 to 1962, it was published under a somewhat modified title - *Military Accomplishments Review*, bringing selected translations of the foreign military periodicals of direct interest to the researchers dealing in developing and mastering the production of weaponry and military equipment. Leafing through periodicals from the period 1950-1962, and analyzing over 5.000 news from foreign periodicals published therein, a great number of disciplines and scientific researches concerning military emerges: weapons for infantry and artillery, tanks and armoured vehicles, aeronautical technology, engineering, naval technology, telecommunications and radar technology, missile weaponry, chemical materials and equipment, nuclear weapons, logistic support, medical corps, transportation, logistics, metallurgy etc.

In 1962, the title was changed to *Scientific Technical Informative Review*, and ever since 1965, the review was published under the present name - *Scientific Technical Review*. The changes in the title reflected the changes in the character and profile of the periodical. Under its final title, the Review is primarily focused on publishing original scientific and professional papers in the field of military technical disciplines. The first original and professional papers were published in No.9 (1963), covering researches regarding the effect of seismic activity on building, exterior ballistic and characteristics of materials used in infrared technology.

Its growing quality over the years has gained the Review greater recognition in the scientific circles. On more than 24.000 pages, an invaluable contribution of generations of researchers who were involved in the development of modern weaponry and military equipment, are preserved. Over 3.500 experts from both civilian and military institutions, many of whom with highest academic titles, published more than 3.000 papers of scientific and professional significance in the area of technical sciences.



Former appearance of the STR front-page



For its 20th anniversary, in 1970, the *Scientific Technical Review* was awarded **The Medal for military Merits with the Big Star** for the developments in the field of technical sciences and work on introducing the latest technical achievements. Five years later the Review was awarded **The Large Medallion of the Yugoslav Army** for the promotion of scientific research. Furthermore, the Editorial Board of the STR has received letters of thanks for fruitful cooperation with editorial boards of numerous national and foreign periodicals.

Today a leading scientific periodical in the field of technical sciences, the *Scientific Technical Review* covers a multitude of scientific and professional disciplines of interest for research and development of weaponry and military equipment. It traditionally represents the following scientific disciplines: aerodynamic, ballistics (interior, exterior and terminal ballistics), rocket propulsion, mechanics of flight, physics of explosion, aircraft guidance and control, automatic control, mechanics of ballistic systems, combat vehicles (armoured hulls, drive and transmission), optics and optoelectronics, laser technique, microwave and radar technique, military telecommunications, sensors, explosive materials (explosives, powders, rocket propellants, pyrotechnic mixtures), electric power utilities, specific metals and other materials, corrosion and material protection, chemical and nuclear protection, engineering and protection construction, camouflage technique, flying vehicle propulsion units, ship resistance, propulsion and strength, computer technology and science,

scientific problems concerning basic sciences and general technology.

This multidisciplinary periodical is issued quarterly, with current circulation of 200 copies. The electronic publication of the Review representing digitalized classical issue of the STR is being published since 2000. The Scientific Technical Data Base (VANTIS) comprising the abstracts of all the published articles with their authors' names was also created and which is more, the STR is now available over the Internet. The Review has over 100 national and international subscripts and cooperates with a number of reference and library editions where it is referred to according to scientific categories i.e. scientific fields.

Since 2002 the Review is being published in English with abstracts in Serbian, French and Russian. A report of at least two eminent referees respecting the policy of privacy has been introduced, as well as The Award of Scientific Technical Review for the papers of highest quality in the previous year.

One of the objectives is to introduce eminent national and international experts into the Editorial Board and another to invite all those whose expertise in the field of military technology could contribute to turning the *Scientific Technical Review* into a periodical of international recognition and significance to submit their papers.

The Editorial Board also invites all interested readers of the STR who can recognize and present their scientific and professional work under the profile of the Review, to prepare and send their papers to our editorial staff and contribute personally to accomplishing the objectives of the *Scientific Technical Review*.

Scientific Technical Review
Editorial Board