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house a new \$1 million accelerator and associated equipment.

A new firm, to be named Goodrich—High Voltage Astronautics, Inc., has been formed as a joint enterprise by The B. F. Goodrich Company and High Voltage Engineering Corporation. The new company will engage in research, development, and manufacture of ion propulsion devices for use by vehicles in space flight. Development is already underway on a laboratory ion thrust unit and work will proceed at High Voltage Engineering Company's plant in Burlington, Mass., where the new firm will have its headquarters. The president of the new corporation is A. John Gale, vice president and director of applied physics at High Voltage, and the chairman of the Board is P. W. Perdriau, general manager of the B. F. Goodrich Aviation Products Division.

Publications

As of July 1, 1959, the National Bureau of Standards began publication of its *Journal of Research* in four separate sections, each of which may be subscribed to individually. The editorial scope of the *Journal* will be broadened to present, in addition to research reports, review articles and compilations of information on subjects closely related to the Bureau's basic mission. Much of the material which the Bureau has been publishing in nonperiodical form will henceforth be directed to the *Journal*. The publication is being divided into the following sections, each available upon subscription from the US Government Printing Office:

Section A, *Physics and Chemistry*, will cover a broad range of physical and chemical research, with major emphasis on standards of physical measurement, fundamental constants, and properties of matter. It will be issued six times a year, and the annual subscription rate will be \$4 in the US and \$4.75 elsewhere. U. Fano has been named as editor of Section A with D. D. Wagman and J. M. Richardson as associate editors.

Section B, *Mathematics and Mathematical Physics*, will present studies and compilations designed mainly for the mathematician and theoretical physicist. It will include topics in mathematical statistics, theory of experiment design, and programming of computers. Short numerical tables will also be included from time to time. Section B will be issued quarterly, and the annual subscription rate will be \$2.25 in the US and \$2.75 elsewhere. It will be edited by Chester H. Page with F. L. Alt and E. L. Crow as associate editors.

Section C, *Engineering and Instrumentation*, will report results chiefly of engineering interest. It will include new developments in instrumentation resulting from the Bureau's work in physical measurement, data processing, and development of test methods, and will also cover some work in applied mechanics, properties of engineering materials, building research, and cryogenic engineering. It will be issued quarterly at an annual subscription cost of \$2.25 in the US and \$2.75 elsewhere. The editor of Section C is William A. Wildhack. G. F. Montgomery and R. B. Jacobs will serve as associate editors.

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Section D, *Radio Propagation*, is to be edited at the Bureau's Boulder (Colo.) Laboratories and will report research in radio propagation, communications, and upper atmospheric physics. Topics to be covered include propagation in ionized media, scattering by turbulence, effect of irregular terrain on propagation, diffraction and scattering by solid obstacles, propagation through time-varying media, surface waves, and antennas. Section D will be issued six times a year, and the annual subscription rate will be \$4 in the US and \$4.75 elsewhere. In addition to the editor, James R. Wait, and the associate editors, Thomas N. Gautier, Jack W. Herbstreit, C. Gordon Little, and Alvin G. McNish, this Section will have two IRE advisers, D. G. Fink and K. M. Siegel.

Two of the Bureau's nonperiodical series, *Circulars* and *Building Materials and Structures Reports*, are being discontinued. At the same time two new non-periodical series to be known as *Monographs* and *Technical Notes* are being inaugurated. *NBS Monographs* will consist of contributions to the technical literature which are too long for publication in the *Journal of Research* and will comprise much of the type of material that is now published in the larger *Circulars*. *NBS Technical Notes* have been designed to supplement the Bureau's regular publications program by providing a means of making available communications and reports that are of transitory or limited interest. *Technical Notes* will be offered for sale by the Office of Technical Services, US Department of Commerce, Washington 25, D. C. All other NBS publications are available from the Superintendent of Documents, US Government Printing Office, Washington 25, D. C.

Massachusetts Institute of Technology, in addition to being the New England area depository for translations of Russian scientific and technical journals furnished by the Commerce Department's Office of Technical Services, has arranged for an extensive exchange system with Russian libraries. The MIT Library subscribes to 74 Russian journals and more than 40 periodicals from other Soviet bloc countries. Supplementing its journal coverage, the Library recently inaugurated a program with the libraries of the Universities of Moscow and Leningrad, the Russian Institute of Scientific Information, and eight other Soviet institutions for a 50-50 exchange of Russian and American current scientific books. It is expected that MIT will exchange approximately 500 books annually with Russia. All of the books and journals in this MIT collection are available to the general public for consultation.

Gerhart K. Groetzinger, a scientist at the RIAS Division of The Martin Company, Baltimore, Md., died of a heart attack on March 30. He was 51 years of age. Born in Vienna, Austria, he received his doctorate in physics from the University of Vienna in 1931 and was a member of the faculty there before coming to the United States in 1938.