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7 AUGUST 1964

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FOREIGN TECHNOLOGY DIVISION

AIR FORCE SYSTEMS COMMAND

WRIGHT-PATTERSON AIR FORCE BASE, OHIO

FTD-TA-64-31
Aug. 1964
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<p>Soviet space program personalities are the source of corroborating information defining the two separate Soviet space program factions — the Academy of Sciences as sponsor of unmanned scientific space programs and the Soviet Air Force as sponsor of the manned space program and the military unmanned flights utilizing recoverable hardware. (S)</p>	

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3. (U) FURTHER DEFINITION OF SOVIET SPACE PROGRAM RESPONSIBILITIES
Mr. W. L. Morgan (TDEWT)

Recent information provides additional support for the identification of two separate sponsoring factions of the Soviet space program. Through analysis of the applied research descriptions of the work of the Soviet Air Force's Scientific Research Testing Institute of Aviation Medicine (NIIAM) and the State Committee of Aviation Technology (GKAT) research institutes, it had been previously ascertained that the manned space endeavors and the unmanned military recoverable satellite missions were sponsored by the Soviet Air Force. Colonel of the Medical Service Yergeny Anatol'yevich Petrov, who is acknowledged by the cosmonauts as "out leader, physician, and mentor," provided pertinent information in an article written in connection with the celebration of the anniversary of Vostok I. Col. Petrov acknowledges the NIIAM leadership in space-oriented physiological research, which made manned flight a reasonable risk, in the following statement: "The medics and biologists developed and tested systems of life support and safety for man in cosmic flight and defined concrete programs for training future cosmonauts. This work, to a significant degree, was based solely (FTD underline) on the experience of Soviet aviation medicine." This statement, which is descriptive of the basic SAF role in sponsoring the manned space program, supports the current assessments of Soviet space R&D responsibility assignments.

The existing analytical program has further defined a definite separation within the Soviet national space program. The Academy of Sciences USSR is the sponsor of the unmanned scientific space work. The Academy's activities were clearly independent of the SAF manned efforts with limited interaction. This finding is corroborated directly by information obtained from G. G. Cherniy, an eminent Soviet hypersonic flow theoretician and practitioner. Cherniy, as head

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of the Moscow State University Institute of Mechanics and a half-time consultant to the Central Aerohydrodynamics Institute (TsAGI), has totally credible insight to the space program efforts of the separate factions in space, i.e., the Academy on one hand and the military/aerospace industry combine on the other. In a recent report, Cherniy identifies two parallel groups (Cherniy's words), one within the Academy of Sciences and another which he declined to name. The sensitivity of the SAP/GKAT manned program endeavors is obvious in the blanket screening of this identity in all technical circles, and Cherniy's failure to specify the second group is normal behavior for scientists/engineers in USSR aerospace circles. (The overall classification of this item is ~~SECRET~~.) (Cp 1 - Excluded from automatic downgrading and declassification.) (NO FOREIGN DISSEM)

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