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3.

During the period 1963-1968, numerous research and development programs were undertaken in support of the Agency's interest and requirements. The diversity of programs reflected the multidiscipline character of biological sciences as well as the "common use" application of the research and development product. The following program briefs represent the major programs and achievements of the R&D effort during the 1963-1968 era.

## ANIMAL STUDIES

The state-of-the-art of remotely controlling animal behavior resided within the animal behavior studies was funded by the Division. The feasibility for remote guidance of animals in the free environment was demonstrated in 1965 using a as the guidance cue. This as the subject and an. achievement prompted a more intensive investigation of other animal guidance system was species. In the period 1966 to 1968, techniques. In late 1968, the program developed using was advanced to the operational and engineering development phase. One of the more notable achievements of the animal studies was the demonstration in 1968 that the homing behavior of environment. Coupled to controlled and maintained in an all animal guidance programs was the successful training of behavior necessary to emplace; deliver and/or retrieve as well as the development of the hardware and logistics subsystems phase. necessary to support the

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