

Other types of fund transfers :

Recently ONR transferred money to Geological Survey for specialized project—Trace Analysis in Water.

National Bureau of Standards—transfer of funds to NBS for various research projects for ONR.

David Taylor Model Basin—Navy work for Maritime Administration, Coast Guard, private sector, etc., on reimbursable basis.

In the shipbuilding business, private industry and Coast Guard—exchange of computer aided ship design.

Air Force

Work performed for FAA.—The Air Force Materials Laboratory performed a huge effort in support of the Super-Sonic Transport (SST), amounting to \$3.2 million. The work included such efforts as the following :

Screening test program for evaluation of stress corrosion susceptibility of alloys under consideration for skin materials.

Laminating Resins.

High temperature hydraulic fluids.

High temperature seal and sealant materials.

Screening tests and evaluation of lubricants for propulsion and secondary power systems.

Performance of jet engine fuels.

Fatigue behavior of materials.

The Air Force Flight Dynamics Laboratory redesigned the nose cone of the total inflight simulator (TIFS) vehicle in support of the SST program.

The Air Force Aeropropulsion Laboratory.—Carried out an engine component development program in support of the SST.

Defined a suitable jet fuel specification for the SST.

Defined a jet lubricant for the SST.

Investigated crash fire prevention techniques for the SST, including development of a high temperature extinguishing agent.

The Air Force Weapons Laboratory performed work to determine dose, dose rate and depth, dose patterns of high altitude radiation and its hazard to pilots and passengers.

The Aeromedical Research Laboratory performed studies to determine injury patterns arising from the use of different types of restraint harnesses.

Work performed for the Food and Drug Administration.—The Aeromedical Research Laboratory performed studies to evaluate the biological and pathological effects of drugs.

Work performed for the Department of Transportation.—The Aeromedical Research Laboratory performed work on an anthropometric definition of vehicle safety in which the relationship of size and design of passenger compartments affects safety at impact.

Work performed for the National Bureau of Standards.—The Aeromedical Research Laboratory performed dynamic testing of seat belts.

Work performed for the National Science Foundation (NSF).—The Air Force Cambridge Research Laboratories participated in a cooperative program sponsored by the NSF in Project Hailswath. The program was concerned with hail-storm modification.

The Air Force Cambridge Research Laboratories (AFCRL), participated in a cooperative program for the Cerro Tololo Inter-American Observatory in Chile, AFCRL funded the 16-inch and 60-inch telescopes and the NSF funded the domes.

TAB C: NATIONAL POLICIES FOR THE USE OF FEDERAL LABORATORIES

Much of the legislation which established the function of Department of Defense and the Military Departments contains language which either permits or fosters the use of services of other agencies.

The general authority authorizing agencies to perform work for another agency is the so-called Economy Act which states "any executive department . . . if it is determined by the head of such executive department . . . may place orders with any other such departments . . . for materials, supplies, equipment, work, or services of any kind that such requisitioned federal agency may be in a position to supply or equipped to render and shall promptly pay . . . the estimated or actual cost thereof as determined by such department . . . as may be requisitioned." (31 U.S.C. 686(a)). In addition, 41 U.S.C. 23 provides "all orders or contracts for work or material or for the manufacture of material pertaining