Westinghouse, while the second will be a combination unit involving a Pratt & Whitney J-57 jet engine as the gasifier driving a power turbine and natural gas compressor built by Cooper-Bessemer. In addition, two existing units will be converted to HCS 153.

* Monsanto-Douglas Enterprise

Coordination work with Douglas has continued. Efforts to increase activity under the joint Objective system are under way by both groups.

A revised Project Analysis was issued during June describing the areas of joint interest.

* OS-124 Other Than Jet Engine Lubricants

Efforts have continued in an attempt to find applications for the polyphenyl ethers. Thus far, their use as ultra-high vacuum diffusion pump fluids appears to offer the most promise.

* Status Report - Synthetic Fluids

Nothing has been accomplished on this project during the first six months because of the press of other projects. The areas of metal-working fluids and refrigeration lubricants will be examined.

* Future of OS-139

Requirements and markets for OS-139 as a low-temperature electronic coolant have not been fully defined. Meanwhile, this product is being evaluated as a space heat transfer fluid. Establishment as a commercial product for this use would also make it available for electronic coolant applications.

* Klystron Coolant

Evaluation studies sponsored by Varian Associates, Inc. on a formulated isopropyl biphenyl as a Klystron coolant are still under way at Stanford Research Institute. Technical requirements for successful coolants should result from this work. Market studies are not yet complete.

* New Pydraul Based on Aroclors

Pydraul A-200 has demonstrated the soundness of formulating fire-resistant industrial hydraulic fluids around Aroclors. Field experience has demonstrated the need for, and the possibility of commercializing a range of such products. Research efforts to formulate these from our new shear stable viscosity index improver are in progress.

* Space Heat Transfer Fluids

A considerable amount of interest in extremely low temperature heat transfer fluids for space applications has developed recently. These products serve to transfer heat around the capsule to maintain environmental and equipment

* Original 1962 Objective