

The Arrow Model Recovery Program (AMRP) is headed by Bob Saunders. These were 1/8th scale models of the Arrow which were used as aerodynamic information for the Arrow. These were free flight models, launched on top of a Nike Booster at Point Petre, Ontario. At mach 2, the model would separate and feed telemetry data back to the engineers. The models were launched over Lake Ontario, and would splash down into it. As their job was done, there were left there on the bottom of the lake...until the AHFC came around! They have been down there since the mid 50's, and we want to pull them out from their watery grave, so that we can house them in a museum. Below are some pictures from the recent expedition.

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Arial view of the launch site.



Closer look at launch pad.



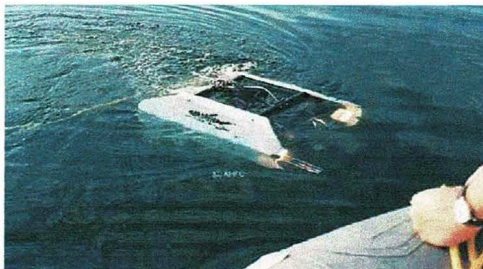




Bob Saunders in blue lifejacket



Bob Saunders



ROV, going down for a scan



ROV coming back up

## Offical AHFC AMRP Information

**Prepared by Robert Saunders**

**Dedicated to the memory of Gerald T. Saunders**

During the 1950's, A.V. Roe Limited and the Department of National Defence developed the CF-105 Arrow jet interceptor. To expedite this development, a series of large 1/8th scale models were constructed and launched out over Lake Ontario, on rocket boosters from the CARDE (Canadian Armament Research and Development Establishment) range to test the flight dynamics of the designs at supersonic speeds. In the wake of the cancellation and dismantling of the entire program in 1959, only a few tangible artifacts remain of the aircraft which contributed to so many later aerospace vehicles and technologies.

Few large Arrow items are known to have survived, and should these models be recovered they would be significant finds indeed!

In 1995 the Aerospace Heritage Foundation of Canada assembled a team with the capabilities and resources to locate and recover one of these models, which will be restored and offered for public view and historical and commemorative appreciation purposes. the successful conclusion of this project will develop an increased awareness of Canada's past technological accomplishments and will help to promote national pride. The location and recovery has involved many volunteers with specific skills and equipment. The project has a high

probability of being successfully completed using advanced remote sensing techniques and equipment.

### **Project Objectives**

The goal of the AMRP is to locate, recover and restore one or more CF-105 Arrow 1/8th scale models, known to be resting on the bottom of lake Ontario off Point Petre, Ontario. Once recovered, these models will be restored and made available for public view, and for educational purposes as historical artifacts.

### **You Can Help**

By making a donation to the Aerospace Heritage Foundation of Canada you can help return these models to the people of Canada.

### **Sponsors**

Shark Marine, McQuest Marine Sciences Ltd. Canadian Helicopters..

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