



DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
CARDEROCK DIVISION

CARDEROCK DIVISION HEADQUARTERS
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9500 MACARTHUR BOULEVARD
WEST BETHESDA, MD 20817-5700

IN REPLY REFER TO:
9100
5200/200130

21 FEB 2001

Robert Scott
Gibbs and Cox, Inc.
1235 Jefferson Davis Highway
Suite 700
Arlington, Virginia 22202

Dear Mr. Scott:

Enclosed you will find three copies of our recent paper, "Energy Efficient Hull Forms". I am mailing these to make you and your associates aware of one of the best, simplest and quickest hull form design tools available to naval architects.

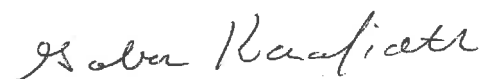
The paper was recently presented at the Chesapeake Section of Society of Naval Architects and Marine Engineers (SNAME) in Crystal City, Virginia. It outlines a new method for determining the effectiveness of any given hull form (with regards to energy consumption) and also offers the U. S. Navy's Hull Design Database System (HDDS) to assist your design group in arriving at an optimal hull design.

Currently the system resides at the Carderock Division, Naval Surface Warfare Center (formerly the David Taylor Model Basin), here in Maryland. The paper explains the extent of the database and the ability to use historic designs to generate very good initial hull forms. The HDDS system can be accessed through arrangements with Carderock Division, Naval Surface Warfare Center.

We would be pleased to respond to any inquiries you might have regarding this tool. Also, we are ready to assist you with your hull form design requirements. We are also prepared to demonstrate the HDDS system on-site at your facility, should you be interested.

Please feel free to contact me at 301-227-7005 or E-mail
KarafiathG@nswccd.navy.mil. I look forward to hearing from
you.

Yours Sincerely,

A handwritten signature in cursive script that reads "Gabor Karafiath".

GABOR KARAFIATH,
Resistance and Powering Department

Encl: Energy Efficient Hull Forms
By Karafiath, G. and McCallum, D.,
December 19, 2000 (3 Copies)