#### MEMORANDUM

From: Ken Spaulding

To: John Meyer

Subj: AMV Annotated Bibliography, Review by all SD-5 Members

Encl:

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- (1) AMV Annotated Bibliography, Subject Categories
- (2) Phase I Results Reference List
- (3) Current (10/25) SD-5 Member List w/Addresses

This memo forwards to each SD-5 member the final draft listing of AMV references for review. A current SD-5 member directory is also enclosed.

1. **Background** - Initially, an outline of subject categories (enclosure 1) was developed, along with a set of ground rules for selecting references. These were mailed, with a request for inputs, to 46 members of the AMV community (including many SD-5 members). The results of this solicitation were compiled and mailed to 15 SD-5 members. In this group, SD-5 leads were assigned for each subject category. Enclosure (2) is the result of this review.

It is not intended that a "complete" bibliography be developed. Such a bibliography would include many thousands of references. This bibliography is intended to identify <u>key</u> references, in each area, for the SNAME audience. A nominal ceiling of 500 references was chosen. No classified or proprietary references are to be included.

Following this review by Panel members, each reference on the final list will be annotated (Phase II). This "annotation" is intended to explain the value of the document; why it is important, how it is to be used. The annotation will not be an abstract although it may contain elements of an abstract. You will note that a few of the references in enclosure (2) were received with preliminary annotations, which have been included with the listing.

2. Action - Please review enclosure (2), adding and/or deleting references as appropriate. Please correct or amplify listings where you have better information.

A response by 22 November would be greatly appreciated.

KBS

#### MEMORANDUM

23 November 1993

From: Ken Spaulding

To: John Meyer

Subject: AMV Annotated Bibliography, Review by Panel Members

Reference:

a) Spaulding memorandum of 26 October 1993, w/ enclosed reference listing

Reference (a) forwarded the results of phase I of the annotated bibliography effort for your review and comments. Comments were requested by 22 November.

Each panel member can make a significant contribution by reviewing the list for completeness, deleting inappropriate references, and correcting or amplifying document listings.

I would greatly appreciate your response. If you simply have no time to review the document please so advise. I would like to proceed with phase II (annotation) but will not do so until I have received all panel inputs.

Best regards,

KBS

# ADVANCED MARINE VEHICLES ANNOTATED BIBLIOGRAPHY

## Subject Categories

# A. DOCUMENTS ADDRESSING A SINGLE VEHICLE TYPE

1. ACV

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- 2. Catamarans
- 3. Hydrofoils
- 4. SES
- 5. SWATH
- 6. Wingships
- 7. Miscellaneous/Hybrids

## B. GENERAL AND COMPARATIVE AMV TEXTS

- 1. AMV Conference Proceedings
- 2. Comparative Analysis
- 3. Compendiums
- 4. Mission and Cost Analyses

# C. DOCUMENTS ADDRESSING AMV SUPPORT AREAS

- 1. Hull Materials and Structural Design
- 2. Maneuvering, Dynamic Stability, and Control
- 3. Propulsors and Power Transmission
- 4. Regulatory Codes
- 5. Seakeeping and Ride Control
- 6. Signatures (Military/Environmental)

# A. DOCUMENTS ADDRESSING A SINGLE VEHICLE TYPE

- 1 ACV
- 2 Catamarans
- 3 Hydrofoils
- 4 SES
- 5 SWATH
- 6 Wingships
- 7 Miscellaneous/Hybrids

**BACK** 

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\*DTRC Advanced Ship Data Bank Number

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# **B. GENERAL AND COMPARATIVE AMV TEXTS**

- 1 AMV Conference Proceedings
- 2 Comparative Analysis
- 3 Compendiums
- 4 Mission and cost Analyses

**BACK** 

# B.1 AMV CONFERENCE PROCEEDINGS

AUTHOR(S)	TITLE	DATE
	13th WEGEMT Graduate School on Design Techniques for Advanced Marine Vehicles and High-Speed Displacement Ships, Maritime Research Institute Netherlands (MARIN), Oct/Nov	1989
	23rd American Towing Tank Conference (ATTC), New Orleans, LA	1992
	AIAA AMV '72, Annapolis (Individual Paper)	1972
,	AIAA AMV '83, New Orleans (Individual Paper)	1983
	AIAA Conference, Annapolis	1972
	AIAA Conference, San Diego, CA	1986
•	AIAA AMV '81, Seattle (Individual Paper)	1981
 	AIAA AMV '86, San Diego (Individual Paper)	1986
	AIAA AMV '78, San Diego (Individual Paper)	1978
	AMV '79 (Baltimore), Proceedings	1979
	AMV '89, AIAA, Proceedings	1989
	Canadian Air Cushion Technology Seminar (CACTS), Annapolis, MD	1988
	DTRC COLD WEATHER, Proceedings	1985
	FAST '91 Conference Proceedings	1991
	Hovercraft & Hydrofoil Exhibitions, Brighton, England	1980
	HPMV Proceedings of the Intersociety High Performance Marine Vehicle Conference and Exhibit, Ritz-Carlton, Arlington, VA (Sponsored by Flagship Section, ASNE)	1992
	International High Performance Vehicle Conference, Shanghai	1988
	Intersociety Conference, Arlington, VA	1989
	Joint International Conference on Air Cushion Technology, Rockville, MD	
	Marin Research Institute (MARIN), Netherlands, Wageningen	1985
	MARIN Jubilee Conference, Wageningen, The Netherlands	1992
 	MTS OCEANS '90, Proceedings	1990
	MTS OCEANS '82, Proceedings	1982
	MTS OCEANS '88, Proceedings	1988
	MTS OCEANS '86, Proceedings	1986
	MTS OCEANS '84, Proceedings	1984

#### B.1 AMV CONFERENCE PROCEEDINGS

AUTHOR(S)	TITLE	DATE
	PRADS' 89 Conference, Varna, Bulgaria	1989
	RINA Symposium on Coastal Defence and Assault Vessels and Systems, London, England	1986
	RINA SWATH II, Proceedings	1988
	RINA Symposium on Small Fast Warships & Security Vessels, London	1982
	RINA SWATH, Proceedings	1985
	Technical Proceedings of the Small Boat Symposium 93, Naval Amphibious Base, Little Creek, Norfolk, VA	1993
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\*All of the FFI "High Speed Surface Craft" Conferences.

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\*See also the list of conferences and symposia in the back of Jane's.

# B.2 COMPARATIVE ANALYSIS

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	AUTHOR(S)	TITLE	DATE
		ANVCE	
••	Akagi, Shinsuke	"Synthetic Aspects of Transport Economy and Transport Vehicle Performance with Reference to High Speed Marine Vehicles", Proceedings of the First International Conf on Fast Sea Transportation (FAST '91), Vol. 1, pp 277-292, Trondheim, Norway, June <i>(Discusses the transport economy and the technical performance of various types of transport vehicles, including several types of high speed marine vehicles. The basic approach follows the method of Gabrielli and von Karman, but it improves upon theirs. An innovation is the inclusion of the value people place on their time, as part of the total cost of each type of passenger transportation.)</i>	1991
	Crewe, P.R.; and Eggington, W.J.	"The Hovercraft - A New Concept in Maritime Transport", RINA	1959
	Dix, Donald M.; and Riddell, Frederick R.	"Costs and Values of Performance in Military Vehicles", Proceedings of the 35th Military Operations Research Society Symposium, Annapolis, MD, July <i>(Another method that starts with Gabrielli and</i> <i>von Karman and carries that general approach much further.)</i>	1975
	Fay, F.K.	"Preliminary Results of Ride Quality Test on the Suave Lino, Hickson and Rodolf", Boeing Document D321-11029-1	1984
	Gill, P.R.; Ahearn, L.F., Jr.; and Olling, D.S.	"Capability of Small Naval Vessels in the Caribbean Sea", Boeing Document D312-80973-1	1984
	Goubault, Philippe; Oehlmann, Heiko; Lavis, David; and Goetsch, Wolfgang	"Comparative Parametric Studies of Monohull and Surface Effect Ships", Proceedings of the 1st International Conference on Fast Sea Transportation (FAST '91), Vol. II, pp 965-979, Trondheim, Norway, June (Note: This is an unrestricted version of a longer and more detailed document that is available to U.S. Government personnel)	1991
	Hershkowitz, R.L.	"A Study of Possible Platform for Arctic Mine Warfare", Boeing Document D321-11038-1	1985
	Lavis, David R.	"High-Speed Vessels - Making the Right Choice", Proceedings of the Small Boats Symposium '93, American Society of Naval Engineers, Norfolk, VA, May	1992
	Lavis, D.R.; and Sippel, R.S.; Band, Lavis & Assoc. Inc.	"The Design and Comparison of High Performance Marine Craft, A Rational Approach to Selection", MARIN Jubilee Conf., Wageningen, The Netherlands	1992
	Luedeke, G.; and Farnham, R.	"Commercial Applications of Advanced Marine Vehicles for Express Shipping", ASNE Journal, May	1983
	Mandel, P.	"Seagoing Box Scores and Seakeeping Criteria for Monohull, SWATH, Planing Hydrofoil, Surface Effect Ships, and Air Cushion Vehicles"; ASBD #10-U11442, March	1979

#### **B.2 COMPARATIVE ANALYSIS**

AUTHOR(S)	TITLE	DATE
Paper	"Methodology for Assessing Vehicle Concepts", NATO Naval Armaments Group Special Working Group 6 (SWG/6) on Advanced Naval Vehicles, July <i>(Available from NAVSEA 03D8)</i>	1986
Silverleaf, A.; and Cook, F.G.R.	"A Comparison of Some Features of High Speed Marine Craft", Royal " Institution of Naval Architects, March	1969
van Oossanen, Peter	"Characteristics and Relative Merits of Different Vehicle Types", Lecture 1, 13th WEGEMT Graduate School on "Design Techniques for Advanced Marine Vehicles and High Speed Displacement Ships", Maritime Research Institute Netherlands (MARIN), Delft, Oct/Nov (Note: Certain other lectures in this series also provide comparative information among advanced marine vehicle types, though not in as well integrated a manner as in this paper.)	1989
		<u> </u>

25 October 1993

# **B.3 COMPENDIUMS**

AUTHOR(S)	TITLE	DATE
	"Bibliography - High Speed Waterborne Operations and Craft"; Report No. UMTA-IT-32-0001-2, <i>This report may be ordered from the</i> <i>National Technical Information Service; Sills Building, 5285 Port Royal</i> <i>Road, Springfield, VA 22161; (703) 487-4650</i>	
Janes	Annual Publication (Title?)	
Lavis, David	"Air Cushion Craft", Naval Engineers Journal, February, Presented at the Intersociety High Speed Performance Marine Vehicles 1992 Conf and Exhibit, Arlington, VA, June 1992	1985
Lavis, D.R.; Band, Lavis & Assoc., Inc.	"Hovercraft Development", Naval Engineers Journal, February, Presented at the Intersociety High Speed Performance Marine Vehicles 1992 Conf and Exhibit, Arlington, VA, June 1992	1985
Lavis, D.R.; Rogalski, W.W.; and Spaulding, K.B.	"The Promise of Advanced Naval Vehicles for NATO", Marine Technology, March	1990
Malone, Warren	"SES Motions Bibliography", April	1983

## B.4 MISSION AND COST ANALYSES

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AUTHOR(S)	TITLE	DATE
	"Methodology for Assessing Vehicle Concepts", NATO Naval Armaments Group Special Working Group 6 (SWG/6) on Advanced Naval Vehicles, July <i>(Available from NAVSEA 03D8)</i>	1986
	"Study of High Speed Waterborne Transportation Services Worldwide"; Advanced Marine Systems Associates, Inc., UMTA-IT- 32-0001-84-1 thru -7. <u>Copies can be obtained from: National</u> <u>Technical Information Services (NTIS #PB85129906/U), Sills Building,</u> 5285 Port Royal Road, Springfield, VA 22161, Tel: (703) 487-4650	
Akagi, Shinsuke	"Synthetic Aspects of Transport Economy and Transport Vehicle Performance with Reference to High Speed Marine Vehicles", Proceedings of the First International Conference on Fast Sea Transportation (FAST '91), Vol. I, pp 277-292, Trondheim, Norway, June (Discusses the transport economy and the technical perform- ance of various types of transport vehicles, including several types of high speed marine vehicles. The basic approach follows the method of Gabrielli and von Karman, but it improves upon theirs. An innova- tion is the inclusion of the value people place on their time, as part of the total cost of each type of passenger transportation)	1991
Dix, Donald M.; and Riddell, Frederick R.	"Costs and Values of Performance in Military Vehicles", Proceedings of the 35th Military Operations Research Society Symposium, Annapolis, MD, July <i>(Another method that starts with Gabrielli and von Karman and carries that general approach much further)</i>	1975
Gabrielli, G.; and von Karman, T.	"What Price Speed? Specific Power Required for Propulsion of Vehicles", Mechanical Engineering (ASME), Vol. 72, No. 10, pp 775-781, October	1950
Goubault, Band, Lavis & Associates, Inc.	"A Methodology Designed to Help Ferry Operators Define the Best Vessel for a Route", Ferries 92 Conference, Marine Log, Boston, March	1992
Goubault, Philippe; Oehlmann, Heiko; Lavis, David; Goetsch, Wolfgang	"Comparative Parametric Studies of Monohull and Surface Effect Ships", Proceedings of the First International Conference on Fast Sea Transportation (FAST '91), Vol. II, pp 965-979, Trondheim, Norway, June (Note: This is an unrestricted version of a longer and more detailed document that is available to U.S. Government personnel)	1991
Halvorsen, G.G.	"The Role of High-Speed Ships in the U.S. Navy", U.S. Naval Institute Proceedings	1979
Krzyczkowski, R.	"Over-the-Water Program - Vol. 1 - Summary", Interplan Rpt UMTA- INT-RDC-8-71-1, Dec. ASDB #10-U02529	1971
Krzyczkowski, R.	"Over-the-Water Program Design - Vol. 3 - Estimation of Potential National Demand", Interplan Rpt UMTA-INT-RDC-8-71-1, Dec., ASBD #10-U02531 F	1971

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AUTHOR(S)	TITLE	DATE
Lavis, David R.	"High-Speed Vehicles - Making the Right Choice", Proceedings of the Small Boats Symposium '93, American Society of Naval Engineers, Norfolk, VA, 26-27 May (Note: There is another paper by Lavis and Sippel presented at MARIN in 1992 that may be a better example of this.)	1993
Luedeke, G.; and Farnham, R.B.	"Commercial Applications of Advanced Marine Vehicles for Express Shipping", ASNE Journal	1983
Luedeke, G.; Rogers, W.H.; and Korb, W.	"Rohr Marine DDSG", AIAA Paper 79-2010	1979
Luedeke, G.	"Strategic Mobility for Island Nations", 47th MORS Symposium, July	1981
Luedeke,.G.; and Fries, P.	"Surface Effect Ships for Strategic Mobility", 46th Military Operations Research Society (MORS) Symposium, December	1980
Niels Sorensen-Viale	"Econometric Cost Model", Boeing Document D312-80984-1	1985
Payne, J.	"Cost Analyses of Advanced Naval Vehicles", Boeing Document D312-80992-1	1986
Stoiko, M.; and Luedeke, G.	"Advancing South with Advanced Vehicles", U.S. Naval Institute Proceedings	1986
van Oossanen, Peter	"Characteristics and Relative Merits of Different Vehicle Types", Lecture 1, 13th WEGEMT Graduate School on "Design Techniques for Advanced Marine Vehicles and High Speed Displacement Ships", Maritime Institute Netherlands (MARIN), Delft, Oct/Nov (Note: Certain other lectures in this series also provide comparative information among advanced marine vehicle types, though not in as well integrated a manner as in this paper.)	1989
Watson, James A.; and Hayden, William M.	"A Guide for Implementing High-Speed Waterborne Passenger Transportation Services" Urban Mass Transportation Administration (UMTA), Office of Technical Assistance, September	1984

# C. DOCUMENTS ADDRESSING AMV SUPPORT AREAS

- 1 Hull Materials and Structural Design
- 2 Maneuvering, Dynamic Stability, and Control
- 3 Propulsors and Power Transmission
- 4 Regulatory Codes
- 5 Seakeeping and Ride Control
- 6 Signatures (Military/Environmental)

**BACK** 

# C.1 HULL MATERIALS AND STRUCTURAL DESIGN

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AUTHOR(S)	TITLE	DATE
	"Basics of Bonded Sandwich Structure", Hexcel Technical Service Bulletin TSB-1	
ABS	"Rules for Building and Classing Reinforced Plastic Vessels"	1978
Allen, R.G.; and Jones, R.R.	"A Simplified Method for Determining Structural Design-Limit Pressures on High Performance Marine Vehicles", AIAA/SNAME Symposium on Advanced Marine Vehicles	1978
Allen, R.G.; and Jones, R.R.	"Considerations on the Structural Design of High Performance Marine Vehicles", New York Section, SNAME, January	1977
Band, E.G.U.; and Baca, A.F.	"Predicting the Unpredictable - Development of Rational Design Loads for High-Performance Vessels", Hovering Craft and Hydrofoil Exhibition, Brighton, England, June	1980
Band, E.G.U.; Lavis, D.R.; Giannotti	"Prediction of Hydrodynamic Impact Loads Acting on SES and ACV Structures", AIAA Paper 76-868, September	1976
Buene, Leif; Echtermeyer, Andreas T.; Hayman, Brian; Sund, Odd E.; and Engh, Bjorn	"Shear Properties of GRP Sandwich Beams Subjected to Slamming Loads", 2nd International Conf on Sandwich Construction, Gainesville, FL	1992
Curry, R.	"Small Craft Structures", IPEN Conference, Vera Cruz	1990
Falk, L.	"Strength of Foam Core Sandwich Panels with Face-to-Core Debonds", 2nd International Conf on Sandwich Construction, Gainesville, FL	1992
Faulkner, D.	"Structural Design Philosophy for Small and Large High Speed Multi- Hull Ferries", RINA Conference, May	1992
Greene, Eric	"Fire Performance of Composite Materials for Naval Applications", MACM	1992
Heller, S.R.; and Jasper, N.H.	"On the Structural Deesign of Planing Craft", Quarterly Transactions, Royal Institute of Naval Architects, July	1960
Hendrickson, W.A.; and Spencer, J.S.	"A Synthesis of Aluminum Crewboat Structural Design", Marine Technology, January	1982
Jones, R.R.; and Allen, R.G.	"Semiempirical Computerized Method for Predicting Three-Dimensional Hull-Water Impact Pressure Distributions and Forces on High- Performance Hulls", DTNSRDC Rpt 4005, ASBD #10-U02504 F	1972
Kaplan, P.	"Advanced Marine Vehicle Structural Loads - Present State of the Art", Intersociety High Performance Marine Vehicles Conf., Arlington, VA ( <i>for SES, Catamarans and SWATH</i> )	1992

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Kaplan, P.	"Analysis and Prediction of Flat Bottom Slamming Impact of Advanced Marine Vehicles in Waves", Int. Shipbuilding Progress (for SESE, Catamarans and SWATH)	1987
Kaplan, P.	"Structural Loads on Advanced Marine Vehicles, Including Effects of Slamming", Proc. FAST '91 Conf., Trondheim, Norway ( <i>for SES, Catamarans and SWATH</i> )	1991
LeLan, J.Y.; et al	"Steel/Composite Bonding Principle Used in the Connection of Composite Superstructures to a Metal Hull", 2nd International Conference on Sandwich Construction, Gainesville, FL	1992
Nilsson, J.; and Nuss, K.E.	"Swedish GRP Sandwich Hull Design and Shock Verification", 2nd International Conf on Sandwich Construction, Gainesville, FL	1992
Olsson, K.A.; and Lonno, A.	"Sandwich Construction - Recent Research and Development", 2nd International Conference on Sandwich Construction, Gainesville, FL	1992
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Price, W.G.; and Wu, Y.	"Hydroelasticity of Marine Structures", Theoretical and Applied Mechanics, edited by F.I. Niordson and N. Olhoff, Elsevier Science Publishers B.V. (North Holland, IUTAM	1985
Report, Textron, Bell Aerospace Div.	"Structural Analysis Report, Additional Lift System Installation", USN SES-200, Report No. 7593-941001, January 13, <i>Contract Mod 0008 to Supplement Contract N000024-80-C-5339</i>	1984
Richardson, William M.	"A Probability Based Load Estimation Technique for Ship Structure Design and Technology Evaluation", Naval Engineers Journal, May	1987
Richardson, William M.; Krouse, John R.; and Chorney, Stephen J.	"Structural Loads Tests on a Length-to-Beam 5 Surface Effect Ship Model", DTNSRDC Test and Evaluation, February	1981
Sikora, J.P.; Dinsenbacher, A.; and Beach, J.E.	"A Method for Estimating Lifetime Loads and Fatigue Lives for SWATH and Conventional Monohull Ships", Naval Engineers Journal, Vol 95, No. 3, pp 63-85, May	1983
Spencer, J.S.	"Structural Design of Aluminum Crewboats", Marine Technology, July	1975
Yeung, K.K.; et al	"A Comscan Investigation of Glass-Reinforced Plastic/Foam Sandwich Material", 2nd International Conf on Sandwich Construction, Gainesville, FL	1992
Zvanik, Marco	"Experiences with Using PVC Foam Sandwiching the Repair of Steel Vessels", Ship Repair & Marine Maintenance 93, Hyatt Regency, New Orleans, LA	1993
Zvanik, Marco	"Fire Testing Recommendations for High Speed Passenger Vessels Built in FRP Sandwich", Evaluation for USCG Fire Protection Section, Washington, D.C.	1991

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# C.2 MANEUVERING, DYNAMIC STABILITY, AND CONTROL

AUTHOR(S)	TITLE	DATE
Gregory, D.L.	"Force and Moment Characteristics of 6 High-Speed Rudders for Use on High-Performance Craft", NSRDC Rpt 4150, November	1973
Gregory, D.L.; Dobay, G.F.	"The Performance of High-Speed Rudders in a Cavitating Environment", SNAME Spring Meeting, April	1973
Itoko, Toshiyuki; and Shin-ichiro Higashino	"The Development of an Automatic Control System for a Submerged Hull and Foil Hybrid Super-High-Speed Liner", FAST 91 Proceedings from the 1st International Conf. on Fast Sea Transportation, Trondheim, Norway, June	1991
Lavis, D.R.	"The Comparative Maneuvering Capability and Stability of Surface Ships", Payne Inc., Working Paper No. 196-9, October	1976
Mathis, P.B.; Gregory, D.L.	"Propeller Slipstream Performance of Four High-Speed Rudders Under Cavitating Conditions", NSRDC Rpt 4361, May	1974
Whicker, L.F.; and Fehiner, L.F.	"Free-Stream Characteristics of a Family of Low Aspect Ratio, All- Movable Control Surfaces for Application to Ship Design", DTMB Rpt No. 933, December	1958
Wilson, M.; von Kerczek, C.	"An Inventory of Some Force Producers for Use in Marine Vehicle Control", DTNSRDC Report No. 79/097, November	1979

# C.3 PROPULSORS AND POWER TRANSMISSION

AUTHOR(S)	TITLE	DATE
Alder, R.S.; and Moore, D.H.	"Performance of an Inclined Shaft Partially Submerged Propeller Operating Over a Range of Shaft Yaw Angles", DTNSRDC Rpt SPD- 802-01, November	1977
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Allison, J.	"Propellers for High-Performance Craft", SNAME Marine Technology, Volume 15, No. 4	1978
Allison, J.	"Propellers for High-Performance Craft", Paper No. 5, 30th Anniversary Spring Meeting of the Gulf Section, New Orleans, LA	1978
Army Contract	"Experimental Investigation of a Water Jet Propulsion System for Shallow Draft Boats", Hydron, Rpt 516-2, May	1966
Bohn, Jeffrey; and Altmann, Ronald	"Analysis of Supercavitating Propeller Model Test Data", Hydronautics, Inc. Rpt. T.R. 7307-3, April	1975
Casamassina, C.M.	"Feasibility Study on the Installation of Arneson Surface Drives on the 31 Ft Patrol Boat, River" (PBR), NSCSES, Rpt T.N. 61-04, July	1990
Hood and Railton	"Arneson Surface Drives; A System Whose Time Has Come", SNAME Powerboat Symposium, Feb	1989
Hubble, E.N.	"Feasibility Study for the Use of Arneson Surface Drive System on 31 Ft PBR MK 2", NSCSES, Rpt T.N. 63-72, May	1990
Paper	"Technology Trends for Propulsor Design of U.S. Navy Ships", Prepared by The Baham Corporation and Band, Lavis & Assoc. for NAVSEA under Contract N0024-81-C-4129, Final Rpt 2052.3-1, TAR 3Z902, August	1982
Puckette, L.T.	"Performance Comparison of the Kodiak Model 403 and the Nomera 14 Water Jet Pumps in a Patrol Boat, R", NSCSES, Rpt 60-253, August	1991
Puckette, L.T.	"Performance Comparison of the Kodiak Model 403 and the Nomera 14 Water Jet Pumps in a Patrol Boat, R", NSCSES, Rpt T.N. 60-016, August	1991
Sobolewski and Larimer	"Experimental Investigation of Flush Water Jet Inlets with Varying Ramp Angles", DTRC, Rpt SPD-0985-01, aUGUST	1982
Svensen, R.	"Experience with the KaMeWa Waterjet Propulsion System", Intersociety Advanced Marine Vehicle Conf., Arlington, VA, June	1989
Svenson, et al	"Experience with Water Jet Propulsion in the Power Range up to 10,000 Kw", SNAME Powerboat Symposium, Feb	1985
Walker, R.J.	"Design of a RP Water Jet Drive Housing", FIT, Paper N, March	1986
Weinflash and McGehee	"An Investigation of a Method for Obtaining Hydrodynamic Data at Very High Speeds with a Free Water J", NACA, Rpt RM L54D23, June	1954

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AUTHOR(S)	TITLE	DATE
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Wislicenus, G.F.	"Hydrodynamic Design Principles of Pumps and Ducting for Waterjet Propulsion", NSRDC Rpt 3390, June, ASDB #10-U04975 M*	1973

## C.4 REGULATORY CODES

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AUTHOR(S)	TITLE	DATE
ABS	"Guide for Building and Classing Motor Pleasure Yachts"	1990
ABS	"Guide for Building and Classing Offshore Racing Yachts"	1986
ABS	"Guide for Building & Classing High Speed Craft", October	1990
ABS	"Regulatory Considerations for SWATH Ships", A. Ritala, Cruise & Ferry Symposium, London, May	1991
Australia	"Availability of Rescue Services, Cat A Craft", Paper No. 36/5/15, Revision of DSC Code	
Australia	"Chapter 7 - Fire Safety", Paper No. 36/5/17, Revision of DSC Code	
Australia	"Determination of Evacuation Time", Paper No. 36/5/16, Revision of DSC Code	
Australia	"Result of Informal Correspondence Group", Paper No. 36/5/10, Revision of DSC Code	
DNV	"British Hovercraft Safety Requirements", Civil Aviation Authority, Surrey, England	
DNV	"Rules for Classification of High-Speed Craft", Det norske Veritas, 1985 (Draft Revision Issued for Review, January 1990)	1985
Hong Kong	"Failure Mode & Effect Analysis", Paper No. 36/5/9, Revision of DSC Code	
Hong Kong	"Informal Working Group on Fire Protection", Paper No. 36/5/8, Revision of DSC Code	
ІМСО	Resolution A.373(X), "Code of Safety for Dynamically Supported Craft", adopted on 14 November 1977. <i>This is the original Code and</i> <i>the official recommended international standard for dynamically</i> <i>supported craft.</i>	1977
IMO	"Fire Protection Requirements", Paper No. 36/5/2, Revision of DSC Code	
ІМО	Subcommittee on Ship Design and Equipment - 37th Session Agenda Item 5 (DE 37/5), Report of the Working Group on High Speed Craft at DE 36, dtd 13 April	1993
Norway	"Amendments of Chapter 1 of SOLAS, Paper No. MSC61/5/1, Revision of DSC Code	
Norway	"Annex IV", Paper No. 36/INF.6, Revision of DSC Code	
Norway	"Collision Formulae of Chapter 4", Paper No. 36/INF.4, Revision of DSC Code	

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AUTHOR(S)	TITLE	DATE
Norway	"Revision of the Preamble of the Code", Paper No. 36/5/3, Revision of DSC Code	
Norway	"Revision of Chap 2", Paper No. 36/5/13, Revision of DSC Code	
Norway	"Revision of Chap 1 - Harmonised Certification", Paper No. 36/5/4, Revision of DSC Code	
Norway	"Revision of App IV & Ann II of A.373(X), Paper No. 36/5/6, Revision of DSC Code	
Norway	"Revision of Chapter 8 Lifesaving Appliances", Paper No. LSR24/16/2, Revision of DSC Code	
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Russian Fed	"Draft Text & Amendments", Paper No. 36/5/7, Revision of DSC Code	
U.K.	"Proposed Amendments of Inclusion of Draft Text", Paper No. 36/5/12, Revision of DSC Code	
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Watson, James A.; and Hayden, William M.	"Overview of Coast Guard Plan Review for High-Tech Ship Design", Marine Technology, Vol. 27, No. 1, pp 47-55, January	1990

# C.5 SEAKEEPING AND RIDE CONTROL

AUTHOR(S)	TITLE	DATE
	ISO 2631, "Guide for Evaluation of Human Exposure to Whole-Body Vibration", International Standard Organization (ISO), Document ISO/DIS 2631	1972
Adams, J.D.; and Ernest, A.	"Surface Effect Ship Ride Control System"	1984
Bales, Susan M.	"Designing Ships to the Natural Environment", Naval Engineers Journal, March ( <i>This paper was presented at the 19th Annual</i> <i>Technical Symposium of the Association of Scientiests and Engineers,</i> <i>April, 1982</i> )	1983
Book	"Climatic Summaries for NDBC Buoys and Stations, Update 1", U.S. Dept. of Commerce National Data Buoy Center, February	1990
Clayton, B.R.; and Webb, R.	"Motion Control and Analysis of Surface Effect Ships and Air Cushion Vehicles	1988
Corson, W.D.	"Atlantic Coast ?, Phase II Wave Information", WIS Report 6, U.S. Army Engineer Waterways Experimental Station	1982
 Cox, G.G.	"Hydrodynamic Design Basis for Navy Ship Roll Motion Stabilization", SNAME Transactions, Vol. 85	1977
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Doctors, L.J.	"On the Use of Pressure Distributions to Model the Hydrodynamics of Air-Cushion Vehicles and Surface-Effect Ships", Naval Engineers Journal, March	1993
Durkin, J.M.	"State-of-the-Art of SES Ride Control Systems"	1980
Hercus, P.C.; Armstrong, T.; and Egan, B.K.	"The Seakeeping Comfort of Large Fast Catamarans"	1991
Holcomb, R.; MacGregor, J.; and Lamb, G.R.	"Ferry Routes, Ship Motions and Passenger Comfort: Analyzing the Relationship"	1991
Kaplan, P. and Davis, S.	"System Analysis Techniques for Designing Ride Control Systems's for Surface Effect Ship Craft in Waves"	1980
Kennell, C.	"Tank Arrangement for SWATH Ships", OCEANS '88 Proceedings	1988
Knupffer, K.; Frambourg, J.C., Lewthwaite, J.C.; and Adams, J.D.	"SEA 700 - The Federal Republic of Germany's Fast Test Craft"	1988

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Kumsell?, C.G.; Comstock, E.; and White, B.	"Innovative Naval Designs for North Atlantic Operations" Transactions of SNAME, Vol. 93	1985
Lavis, D.R.; Bartholomew, R.J.; and Jones, J.C.	"On the Prediction of Acceleration Response of Air Cushion Vehicles to Random Seaways and the Distortion Effects of the Cushion Inherent in Scale Models", AIAA Paper 72-598	1972
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