

2nd International Specialists' Meeting on Vertical Lift Aircraft Research, Development, Test & Evaluation 2009

**Patuxent River, Maryland, USA
26-27 August 2009**

ISBN: 978-1-61567-595-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2009) by the American Helicopter Society International
All rights reserved.

Printed by Curran Associates, Inc. (2009)

For permission requests, please contact the American Helicopter Society International
at the address below.

American Helicopter Society International
217 N. Washington Street
Alexandria, VA 22314-2538

Phone (703) 684-6777
Fax: (703) 739-9279

staff@vtol.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Army DT Airworthiness Release Process	1
<i>R. King</i>	
Canadian High Disk-Loading V/STOL Concepts of the 20th Century	37
<i>M. Hirschberg, A. Collins, S. Priestley, T. Muller</i>	
USMC Cargo UAS.....	102
<i>E. Pratson</i>	
U.S. Naval Test Pilot School.....	111
<i>N/A</i>	
USMC Light/Attack Helicopter Programs	133
<i>H. Hewson</i>	
Technology & Ship Suitability Implications of Future Heavy Lift VTOL Aircraft.....	141
<i>S. Troutman</i>	
Helicopter Limits For Test Pilots	161
<i>N. Lappos</i>	
Hellfire Missile testing on AH-1Z Aircraft using the Target Sight System (TSS)	187
<i>R. Feely, C. Chinh</i>	
Composite Skid Landing Gear Performance under Crash Loads.....	219
<i>K. Shrotri, D. Schrage</i>	
2nd International Specialist's Meeting Vertical Lift Aircraft RDT&E.....	238
<i>T. Laux</i>	
MV-22B Osprey External Cargo Load Envelope Expansion Tests, Simulation and Correlations	245
<i>Y. Lu, M. Shubert</i>	
Surface-Mount Rotor State Sensing System.....	268
<i>B. McKillip, M. Sibilia</i>	
MV-22B Osprey Short Takeoff & Minimum Run-on Landing Tests Aboard LHD Class Ships	291
<i>J. Mitchell, B. Geyer</i>	
Naval Aviation Center for Rotorcraft Advancement.....	331
<i>D. Isleib</i>	
An Overview of SHOL Testing Within The Royal Netherlands Navy	349
<i>A. Hoencamp</i>	
H-46/T58 Program (PMA-226) Brief to American Helicopter Society.....	371
<i>P. Rieger</i>	
V-22 Osprey	391
<i>M. Caram, D. Byrne</i>	
Determination of Shipborne Helicopter Launch and Recovery Limitations Using Computational Fluid Dynamics	417
<i>M. Snyder, J. Burks</i>	
Ultrasonic De-Icing Systems for Helicopter Rotor Blades	N/A
<i>J. Palacios, E. Smith</i>	
The Forgotten Bell HSL	448
<i>T. Thomason</i>	
Unmanned Little Bird (ULB) Development & Testing Approach.....	527
<i>M. Hardesty, T. Brown, D. Cerchie</i>	
America's Incredible, Shrinking, Aging, Less Ready, Ever More Expensive Armed Forces.....	555
<i>W. Wheeler</i>	
Author Index	