

Undersea Warfare Division  
Executive Board Meeting  
January 19, 2010  
(Coincident with Winter Roundtable)

Crystal City, VA

# Agenda

- State of the NDIA UWD (DRAFT) – Bruce Spear
- Action Item Review – Rick Udicious
- Committee Reports:
  - Fall Conference – Rick Udicious for Paul Normand
  - Spring Conference – Rick Udicious for Wayne Jakubowski
  - Undersea Sensors – Jose Rio
  - Mine Warfare – Bill Key for Eric Holmes
  - Undersea Warfare Vehicles – Rich Talipsky
  - Aviation USW – Rick Udicious for Dave Nelson
  - C4I & Combat Systems – Bob Zarnich for Paul Rosbolt
  - Publications – Tom Dion
  - Awards – Juergen Keil for Bob Kittredge
  - Academic Fellowship – Chuck Zentner
  - Roundtable – Mike Sharp
- Advisory Council Remarks – Ron McKenzie
- Vice Chairman Remarks – Jim Fitzgerald

# **State of the Undersea Warfare Division**

2010 Spring Conference Report  
Bruce Spear  
Chairman, NDIA UWD

**DRAFT FOR EB/AC REVIEW JAN 2010**

# Agenda

- Summary of UWD accomplishments and financial condition in the year past
- An outline of plans for the forthcoming year
- Appraisal of the undersea warfare capabilities extant in the Navy and industry
- Highlights of the most recent UWD report submitted to SECNAV

# **Undersea Warfare Division (UWD) Mission**

- Promote the Exchange of Technical Information between Government & Industry and Expansion of R&D
- Serve as an Open Communications Conduit Between Government & Industry
- Advise Government & Industry on Policy, Acquisition and Planning
- Conduct “pro bono” studies using voluntary resources and participation by members and government liaison(s)
- Operate as an Independent Organization (i.e., No Government Contracts and not Representing Any Individual or Company)

# Summary & Financial Condition

- ~50 Industry Executives in UWD Leadership Role - voluntary
- 2 Major High Value Annual Conferences at SECRET Level (~1500 annual attendees) - self funded from conference fees
- Recognition Awards to Technical and Leadership Icons - funded from pro rata of conference & membership fees
- Annual Scholarship Awards for 3 Key Graduate Students - self funded by trust fund and conference proceeds
- Studies/Technical Committees: Sensors, C4 and Combat Systems, Aviation, Mine Warfare & Undersea Vehicles – pro bono via individual and member company support
- Executive Roundtable Sessions with Key Navy Leadership

# UWD Studies

- Specific operational or technical issues requiring investigation
- Brings the full intellectual energy of industry-academia-laboratory-Navy to the issue
- Requires Navy sponsorship
  - Terms of Reference and Tasking Letter
  - Support for access to classified information
- UWD assigns Study Leader, seeks participation from the total community
- Periodic reviews with sponsors
- Final report and follow-on tasking
- Part time, volunteer labor ~ 1 full labor year effort per study

***We Have Engaged Nearly ALL USW Stakeholder Commands and Delivered Numerous Relevant Reports***

# Recent Studies

## Published

- ✓ **ASW Common Tactical Picture**
- ✓ **USW Distributed Netted Sensors**
- ✓ **Littoral ASW Technology for Self and Force Protection**
- ✓ **Peer Review of FORCEnet Architecture and Standards**
- ✓ **Open Architecture, Dual Commercial/Military Use of LDUUVs**
- ✓ **Sonobuoy Receiver Digital Output Interface Study**

## In Process

- C4I and Combat Systems**
- Mine Warfare: Underwater IED Study for NMAWC**
- State of Practice in Unmanned Systems Technology**

# Navy Leadership Engagement

- ***RADM (ret) Jerry Ellis & RADM Frank Drennan*** re Current Assessment of of Undersea Warfare (JAN 2009)
- ***RADM Drennan*** at 2009 Spring Conference
- ***RADM Bill Burke*** re QDR (AUG 2009)
- ***SECNAV*** at 2009 Fall Conference & Clambake
- ***RADM Drennan & NMAWC Staff*** re SECNAV Report & Relationships (OCT 2009)
- ***RDML Benedict*** re PEO IWS (JAN 2010)
- Numerous Flag Officers, SES, and Major Program Managers at Spring and Fall Conferences

# Plans for 2010-2011

- **Spring & Fall Conferences** - incorporate member feedback, enhance Navy leadership attendance, use plenary session to stimulate dialogue on key issues, take “action items” and issue a post symposium update to members
- **Co-sponsor DNS/UUV Conference with NUWC**
- **Studies** - support all USW stakeholders, add studies to address issues from OPNAV ASW Board, e.g., “Assured Access”
- **Leadership** - enhance partnership with Navy, raise the amplitude on our voice inside the beltway
- **Scholarships & Awards** – continue the process and levels of funding, issue news release recognizing recipients

# **USW Capabilities Summary - US Navy**

***Request NMAWC Input or derive from  
MSC presentation, the SoASW?***

# USW Capabilities Summary - Industry

- Summarized in AUG 2009 Report to SECNAV
- Enabled affordable multi-year SSN authorization
- Delivered first flight of P-8 Poseidon MSA
- Deployed first Remote Mine hunting System
- First deployment of MH-60R & MH-60S
- Transitioned ALFS to production
- Delivered first two LCS variants
- Delivered 2 USVs for LCS USW mission module
- Enhanced hull and towed sensor technologies
- Used ARCI concept across sub/surface/air/surveillance

**EB/AC INPUT REQUESTED**

# NDIA UWD Report to SECNAV



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Web page: <http://www.ndia.org>

*The Voice of the Industrial Base*

September 2, 2009

Office of the Secretary of the Navy  
1000 Navy Pentagon  
Washington, DC 20350-1000

SUBJECT: Report on the Undersea Warfare Industrial Base

Dear Secretary Mabus:

As prescribed by the bylaws and charter of the National Defense Industrial Association's Undersea Warfare Division (NDIA UWD), enclosed please find a report which summarizes the state of the undersea warfare industrial base, studies and other activities of the NDIA UWD.

Thank you for accepting the invitation to speak at the Undersea Warfare Conference during the week of September 21st. I wanted to provide you the opportunity to review this division's report prior to your address, since we expect nearly a thousand attendees from the Undersea Warfare community. The planning team for this conference is both excited and delighted that you accepted the invitation, which sends a strong message of support for a key mission of our Navy.

Also in context of this being a year of activity on the Quadrennial Defense Review (QDR), we stand ready and welcome the opportunity to provide a face-to-face briefing on this report to you, members of your staff and/or the Navy's QDR team.

Having personally sampled the meetings and conferences of the NDIA UWD, I am confident this organization will continue playing a strong liaison role between government and industry to enhance collaboration as we build and support the capability for our naval forces.

Very respectfully,

Lawrence P. Farrell, Jr.  
Lieutenant General, USAF (Ret.)  
President and CEO

Enclosure: The State of the Undersea Warfare Industrial Base

*"Publishers of National Defense Magazine"*



## State of the Undersea Warfare Industrial Base

Prepared by the  
National Defense Industrial Association  
Undersea Warfare Division (UWD)  
August 2009

**Report & briefing available on Division Website:  
<http://www.ndia.org/Divisions/Divisions/UnderseaWarfare/Documents/Report-State%20of%20the%20USW%20Industrial%20Base.pdf>**

# Recommendations

- Develop a continuing interaction between NDIA UWD leadership and Navy USW Sponsors including Sharing of Relevant Information with UWD Executive Leadership
- Formalize a UWD Relationship with NMAWC to Enable Direct Industry Support and Assistance to the Mission
- Consider a UWD Role in the USW Relationship with Principal Allied Navies & Industries
- Promote Scholarships & Incentives for Students in Technical College Degrees
- Recruit/Retain USW Expertise (e.g. form a “Community of Interest or Practice”)

***We Must Not Let the Near Term Budget Pressures Cause Strategic Myopia!***

# Summary

- UWD is Active and Financially Healthy
- UWD Leadership is Engaged at All Levels
- Navy Participation in UWD is Supportive & Responsive
- Studies have brought value to many stakeholders
- Conferences & roundtables strengthen our relationships
- Scholarships & outreach are building our bench strength
- Budgets & priorities present major challenges
- Participation in UWD is near record high levels
- NDIA UWD is working for you!

***We Are Committed to US Navy USW Supremacy!***

# Action Item Review

Rick Udicious

# Action Item Review

## OLD BUSINESS

- ✓ Review of Division Bylaws led by Ron McKenzie. DONE, updated charter and bylaws posted on web site.
- ✓ Decision to draft biennial report and submit in timely manner to be available for next QDR input: DONE.
- Need to ensure active duty liaison is invited and attends EB/AC meetings.
- Need to engage N8 and NUWC at Flag/SES levels.
- Seeking new liaison and deputy for MIW committee. ?STATUS?
- Evaluate alternative forums to expand Flag/SES conference participation (e.g., panel discussion?)

## NEW BUSINESS

- Assign a Wargame Executive to the UWD leadership team – Nominating Committee
- Due to recent changes in the C2 area, e.g. COMCYBERCOM/COMTENTHFLT and N2/N6, committee leaders must update their contact plans to engage new stake holders
- Submit the AUG 2009 C4I Study under formal cover letter from NDIA
- Committee leaders actively seek new studies to stimulate “thought leadership” with liaisons
- Committee leaders address 2 questions/comments from RADM Drennan (see minutes)
- Resolve procedure for access and archive of classified material needed, used, generated by study teams
- Address/resolve overlap/redundancy between NDIA MIW Committee Session and Expeditionary Warfare Conference

# Biennial Report

- Approved, submitted, posted on NDIA web site
- Briefed separately to NDIA President and NMAWC Staff
- Media article published without any feedback
- PEO IWS staff requested copy to prepare round table

# Joint Undersea Warfare Fall Conference Report

Paul Normand  
Conference Chair

# Fall 2009 NDIA Conference

- Held 21-24 Sept 2009
- Number of attendees >1100
  - 500 Government and 600 Industry
- Feedback
  - Most pleased with speakers
  - Appreciated the breath of topics covered
  - Panel-good idea...process needs work
  - Delete fire drill from next conference

# Fall 2010 Conference

- Scheduled for 20-23 Sept
- Submarine Base New London
- Base hotel Marriott Inn and Spa
- Speakers and theme after the Spring Conference completes

Spring 2010 Conference  
March 8-11, 20010  
Hyatt Islandia

Wayne Jakubowski  
Conference Chair

# Joint Undersea Warfare Conference

- 2010 Theme
  - “Undersea Superiority – Realities, Challenges, and Opportunities”
- New Speaking Category in 2010–  
The Outside Perspective
- Agenda Update to be distributed this week

# Spring Conference Update

- 23 Invitations – All with schedules supporting our dates
  - 4 Accepts to date
  - 7 Regrets (2 Substitutes Provided)
  - 6 more likely accepts this week
  - This should provide a selection of 12 Speakers

# Speakers

- Accepts
  - RADM Drennan (Sponsor)
  - RADM Carpenter
  - Bill Johnson (Outside Perspective)
  - RADM Ellis
  - RADM Wears (Sub for RADM Hilarides)
  - Bill Bray (Sub for RADM Benedict - IWS SES)

# Expect to Accept

- VADM Donnelly
- VADM Curtis
- RDML Shannon
- Intel – Technology Group
- Don McCormick (NUWC)
- Ms Sandel

# Regrets

- ADM Roughead
- ADM Greenert
- RADM Hilarides (Sub Provided)
- RDML Benedict (Sub Provided)
- RDML Dave Johnson
- VADM Venlet
- VADM Dorsett

# Undersea Sensors Committee

Jose Rio, Chairman

J. Keil, Deputy Chairman

CAPT R. Nicklas, Liaison

T. Kazmar, Liaison

## **SPRING EVENT IS IN PLANNING STAGE**

### ***SUBMISSIONS:***

- ***ONLY TWO SO FAR***

- ***Capt Charles Davis IWS 5 “State of PEO IWS 5 and ASW Acquisition”***

- ***Dr. Richard J. Buratti LM MS2 “Sonar Performance Testing Employing Fixed Threshold (FT) versus Forced Choice (FC) Techniques”***

**Have had NDIA members express interest in joining the group. Looking for potential study topics to exploit increased involvement and to foster encouragement for new member participation.**

# Mine Warfare Committee

Eric Holmes, Chairman

Bill Key, Deputy Chairman

Donna Carson-Jelley, Liaison

19 January 2010

# MIW Committee Status

- New Technical Committee Liaison – Ms. Donna Carson-Jelley, PMS495
- Fall Conference Report
  - Highly successful, excellent attendance
  - Broad Government set of presentations NMAWC (RDML Girrier), PMS495, PMS403, PMS420, NAVO
- Spring Conference MIW Session Planning
  - Full Navy support including NMAWC
  - Technical committee meeting at lunch on Wednesday
  - Minimal abstracts received; expect submissions at the deadline
- Initiated coordination of with the NDIA Expeditionary Warfare Division's Littoral and Mine Warfare Committee
- Continuation of UWIED Study

# UWIED Study Status

- **Activity Since April : 16 Telcons and 4 Team meetings, 100's of calls and ppt charts**
- **Established Consistent Study Boundary and Outputs**
- **Examined Physical and Virtual Targets and Attack Contexts**
- **Identified GAPS in Capability, Capacity and Responsibility**
  - CAPABILITY GAP: Lack of effective technologies, methods, or platforms to address UWIEDs or mines in confined waters
  - CAPACITY GAP: Insufficient numbers of technology or equipment or planning/CONOPS to address multiple UWIEDS or mines in multiple locations
  - RESPONSIBILITY GAP: Lack of Policy, Specific requirement and interagency Coordination in preparing for UWIED or mines in specific domestic locations

# IED Study Status

- **Developed GAP Descriptions Including:**
  - GAPS in Coverage, Methods, Operating Concepts and Technologies:
- **Developed Recommendations for Each Gap Type**
- **Study Helps to Establish a National Requirement to Keep Ports and Harbors Open**
  - Currently Discussing Main Arguments for Establishing a National Requirement
    - **Chief Rationale is Impact on National Economy: Large Commercial or Multiple Port Incident Estimated at \$ 1 B / day**
    - National Requirements drive preparation efforts for effective and timely response
    - Requirements drive technologies, systems, personnel, training and funding
- **Study Team includes: NMAWC, NAVO, OSD, DHS and JHU**
  - Face to face meeting on National Requirement in next month
- **Making steady progress now, expect to be done in**

# Undersea Warfare Vehicles Committee

Rich Talipsky, Chairman

Tom Sherman, Deputy Chair

Navy Liaison, Jim Griffin, NUWC, Newport

# Undersea Warfare Vehicles Committee Report

- Conference agenda
  - Technical abstracts submission slow
  - Program Manager Presentations – Still trying to confirm (Expect CAPT Siegrist (PMS403), CAPT Knapp (PMS415) and CAPT Kearney (new PMS404))
  - Technical Committee Meeting – Wednesday at Lunch
    - CAPT Siegrist - Open, Not for Attribution Discussion
  - UMS Technology Study
    - delivered to PMS304 Sep 2009
    - Waiting sponsor authorization to release
  - Joint NUWC-NDIA UUV-USW Symposium

# Joint NUWC- NDIA UUV- USW Technology Symposium

- Sponsor: NUWC Technical Director
- Topic: Unmanned Undersea Systems for Next Generation Undersea Warfare
- Draft Cooperative Agreement has been provided by NUWC
- NUWC working with Bruce Roulstone
- NUWC proposes they will:
  - Obtain DoD Approvals
  - Support Generation and Selection of Theme
  - Provide Venue/parking
  - Coordinate visit requests
- NDIA proposes NDIA will (similar to UDNS Conference):
  - Arrange hotels
  - Arrange caterers
  - Manage Registration, provide ID for attendees
  - Coordinate mailings/flyers, conference admin
  - Maintain Conference Web Site
- Questions? – who will provide IT / AV support?

# Aviation USW Committee

Dave Nelson, Chairman

Max Norgart, Deputy Chairman

Liaison TBD (new PMA 264)

# Aviation USW Committee

- Clambake '09
  - Had good aviation flag participation (including panel)
  - Had excellent Navy Program Manager participation
  - “Netted Distributed Systems” seem to be doing ok on Hill
  - UAV community taking on a new dimension “unmanned”
  - High altitude CONOPS (sensors/weapons)
  - TacMobile has become center piece for MPRF comms
- Spring '10
  - Broad agenda with a good mix of material
  - Several key events regarding airborne systems since spring conference
  - PMA's being asked to provide comprehensive platform status – both legacy and emerging
    - Active acoustic sensors
    - Distributed multistatic system processing
    - Non-Acoustic and environmental sensing technologies
    - Going to touch on unmanned airborne systems
  - QDR results should be known by 2 Feb
  - Move to consolidate Airborne USW messages

# C4I & Combat Systems Committee

Paul Rosbolt, Chairman

Bob Zarnich, Deputy Chairman

Joe Natale, Senior Member

CAPT Charles Davis, PEO IWS-5, Liaison

CAPT Robert Parker, PMW-120, Liaison

# C4I & Combat Systems Report

- Waiting for Spring Abstracts to review
- Soliciting SPAWAR abstracts (DCGS-N, METOC, Maritime Domain Awareness )
- Recommend Briefing Net-Centric study results to N-2/6
- IWS-5 requested study on net-centric ISR (DCGS-N, METOC and MDA) inputs to improve USW-DSS situational awareness
- New Co-Liaison CAPT Robert Parker, PMW120

# Publications

Tom Dion, Committee Chair



## The Year of Fleet Support — A Message From The Naval Undersea Warfare Center

RDML DAVID JOHNSON, USN, COMMANDER, NUJWC AND DONALD MCCORMACK, SES, TECHNICAL DIRECTOR, NUJWC

When the Naval Torpedo Station was established in Newport 140 years ago, its purpose was to explore and develop technologies that would benefit the Fleet. As one of its descendant organizations, the Naval Undersea Warfare Center is still pursuing that legacy and we strive to provide the nation's sailors with the best technologies, tools and services we can muster. NUJWC can't do this alone.

We have a great team of academic and industry partners assisting us, including university labs, large firms with tens of thousands of employees, and small businesses with a handful of workers. Their contributions are invaluable in helping us to meet this responsibility. It is essential that we do our Navy's best with a diverse and dispersed set of maritime



RDML DAVID JOHNSON, USN, COMMANDER, NUJWC



DONALD MCCORMACK, SES, TECHNICAL DIRECTOR, NUJWC

threats and missions that stress man and machine. The Navy is the smallest it has been since 1916 and 40 to 50 percent of its ships can be at sea at any given time — in the case of attack submarines, it is often more than 50 percent. The President's budget for FY10 calls for increasing ship OPIEMPO by five operating days per quarter, so the demands will only increase. Furthermore, the global inventory of submarines is expected to grow by 280 boats in the next 20 years. The recent reappearance of Russian submarines off our coastline is only one example of the dynamic nature of operations in undersea warfare. There is increasing likelihood that there will be more stress on our submarines, anti-submarine (ASW) capabilities, and crews in the coming years. With the year's NDIA joint Undersea Warfare (UJW) Technology Conference theme, "Full Spectrum Capabilities to Preserve Freedom of the Seas," it is fitting that we address how we and our partners work to maintain and improve the Fleet's ability to execute its UJW mission.

One of the Chief of Naval Operations' (CNO's) focus areas is maintaining warfighting readiness, and NAVSEA has a continuing goal of sustaining today's Fleet efficiently and effectively. NUJWC's imperatives follow suit and we are continuously working toward improving our contributions to the Fleet; indeed, Fleet support is prominent in our mission statement.

*"We challenge our partners in industry and academia to continue our collective efforts to enhance Fleet readiness so that it can better execute its roles in preserving freedom of the seas well into the future."*

NUJWC personnel translate warfighter needs into language understood by the entire USW scientific and engineering community and are heavily engaged in identifying and rapidly responding to Fleet immediate and long-term needs. Because operational readiness at the platform and system level is vitally important to deployed units — especially with increasing OPIEMPO — we maintain many connections to the Fleet so we can react to its needs appropriately. Our field teams and in-service product line representatives are in close contact with our Fleet customers to quickly identify potential issues and relay their concerns to cognizant NUJWC codes in both Keyport and Newport Divisions. We have developed databases and reporting processes that alert us to any recurring or potential problems that may emerge.

NAVJWC LETTER CONTINUED ON PAGE 8

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## Fall Undersea Warfare Division Conference: 21-24 Sep 2009

PAUL NORMAND, CHAIRMAN

Undersea Warfare requires a full spectrum of capabilities to preserve freedom of the seas. Platforms, sensors, information links, timely analysis and information sharing, and command and control provide the tool sets to support successful undersea dominance.

*"Undersea Warfare requires a full spectrum of capabilities to preserve freedom of the seas."*

NDIA Undersea Warfare Division is committed to working

with the Navy to maintain undersea warfare superiority. Our theme for the fall conference is Undersea Warfare: Full Spectrum Capabilities to Preserve Freedom of the Seas. The Honorable Raymond Mabus, Secretary of the Navy, will deliver the keynote address.

Our plenary session includes the Director Naval Reactors, Commander Submarine Forces, Director Naval Intelligence, Deputy Chief of Naval Operations for Communications Networks, Commander Submarine Forces Pacific, and an ASW cross-functional panel including the Commander Naval Mine and ASW Command, Director Submarine Warfare, Director Surface Warfare and Commander, Patrol and Reconnaissance Group. Also addressing the plenary session are the Director Strategic Systems Programs, the Director Navy Quadrennial Defense Review, the Program Executive Officer for Submarines, the Program Executive Officer Littoral Mine Warfare, Deputy Commander for Undersea Technology, Technical Director of Naval Undersea Warfare Center, Deputy Commander Naval Mine and ASW Command, and Dr. Andrew Erickson from the Naval War College.

We look forward to understanding the challenges our Navy faces and identifying how the Navy and industry team can bring solutions to continue dominance of the undersea domain.



### Integrated Defense Systems

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### NDIA HEADQUARTERS

Published periodically to communicate activities and plans. For inputs or suggestions contact: CAPT Bruce Realstone, USN (Ret), brstone@ndia.org  
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### NDIA UWD NEWSLETTER

Published periodically to communicate activities and plans. For inputs or suggestions contact: CAPT Tom Dixon, USN (Ret), Editor  
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- **RADM Frank Drennan, NMAWC, will be providing the Liaison letter for the Spring 2010 Newsletter**
- **Liaison letter provided by RDML Dave Johnson and Don McCormack for Fall 2009 Newsletter**
  - **Fall 2009 issue posted to Website: [www.ndia.org](http://www.ndia.org)**
- **Request all Spring 2010 Newsletter inputs by Fri, 5 Feb, to support posting to Website by late Feb**

# Academic Fellowship Report

Dr. Charles R. Zentner  
Fellowship Chair

19 January 2010

# NDIA USD Fellowship Committee Report

- The established NDIA fellowship approach was followed for the 2009-2010 academic year:
  - the stipend was established at \$6,000 per year at each university for the 2009-2010 academic year
  - the universities continue to express their appreciation for the generous support of the NDIA
  - market performance has improved; investment proceeds since July have been \$28,284

# Academic Fellowship Fund Status

- 4 September 2007                      \$240,884
- 22 February 2008                      \$235,122
- 22 July 2008                              \$234,456
- 4 September 2008                      \$233,247
- 7 January 2009                          \$195,303
- 30 July 2009                              \$207,027
- 14 January 2010                          \$235,311
- Earnings for the period 30 July 2009 to 30 January 2010 were \$28,284 (+29.8% APR!!)
- A 4% return on the 14 January amount would yield \$9,412 annually

The fund has returned to positive earnings. We continue to require funding the fellowship out of conference fees.

# Funding for 2010-2011 Academic Year

- Recommendation - fund the Fellowship as follows:
  - \$18,000 from conference fees as we did last year
  - Allow the Fellowship fund to continue to grow while retaining the proceeds.

# NDIA Fellowship Award Recipients 2009-2010 Academic Year

- The Pennsylvania State University
  - **Chad M. Smith**; Graduate Researcher, Graduate Program in Acoustics; underwater acoustic communications
- University of Texas
  - **Theodore F. Argo IV**; Ph.D. student in Mechanical Engineering; laboratory measurements of the acoustic properties of sediments
- University of Washington
  - **J. Paul Rinehimer**; Ph.D. student in Civil and Environmental Engineering; studying infrared remote sensing of ocean environment

*The generous support of the NDIA is recognized and appreciated by these universities and the awardees.*

# Fellowship Publicity

- During recent executive meetings, a request was made to add an article in the newsletter to highlight the fellowship program
- A short article was added to the fall newsletter highlighting the award at Penn State
- All three schools will provide inputs for the next newsletter. I will draft an input for Tom Dion for incorporation into the newsletter

# Awards Report

Bob Kittredge, Awards Chair

19 January, 2010

# Spring '10 Awards Report

## EB/AC Nominations

*for* Spring 2010:

### Martell-Bushnell : *ASW / USW Technical Prowess*

- Exceptional contributions in the field of ASW and/or Undersea Warfare technology
- Outstanding achievement(s) in scientific R&D of ASW and/or Undersea Warfare systems:
  - 2 Nominations

# Spring '10 Awards Report (cont.)

- Weakley:

Meritorious service or noteworthy contributions to effective Government / Industry communications in the field of USW.

---- 6 Nomination packages being worked or considered

- Ringenberg:

-- Outstanding services and noteworthy contributions to the UWD.

-- Must serve, or have served, in the NDIA UWD or predecessor organizations

-- 2 nominations

# Awards Committee Spring '10 Report

- Award recipients unanimously selected :
  - Vadm Martell-Bushnell: To Be Announced @ Spring Conference
  - Vadm Weakley: To Be Announced @ Spring Conference
  - Capt. G. Ringenberg: To Be Announced @ Speakers Dinner
  - Radm Jack Jarabak / NDIA Award for Excellence in USW Technology:  
TBS by NPS NLT 30 Jan

# Award History

- Major Award Selections:

## Martell / Bushnell

## Weakley

1979	Joseph Kelly, Westinghouse Elect. Charles T Weisbusch, Westinghouse Elec	
1980	James R Howard ;NADC	
1981	Russell J. Mason; General Electric	
1982	Earle L Messere;NUSC	
1983	VADM Ed. C Waller;USNA	
1984	Charles G Beatty, NOSC	Robert M Akin, Hudson Wire
1985	RADM Dempster Jackson, USN(ret)	Gerald A Cann, GA Cann Inc
1986	Dr Victor C Anderson, MPL	Leonard P Gollobin, Presearch
1987	Stanley G Lemon, Gould Edward H Lesinski, NUWES KPT	ADM Kinnaird McKee,USN
1988	Dr. Wm Von Winkle, NUSC	Radm Richard F Pittenger,USN
1989	Walter Clearwaters, NUSC	ADM James R Hogg,USN
1990	Leo Treitel ,Magnavox Electric Gene Robertson, Magnavox Electric	VADM Charles H Griffith,USN(ret) Syscon
1991	Dr Daniel H Kiely, ARL/PSU KyrillKorolenko,NUWC, Newport	Harvey D Kushner, Kushner Mgt
1992	Dr. M. Sevik, David Taylor Res Ctr	Ronald J McKenzie, Presearch
1993	The Hon Gerald A Cann, ASN	Radm E. Wesley Jordan, USN

# Award History (cont.)

- Recent Major Selections:

Martell-Bushnell

Weakley

Ringenberg

NPS

	Dr Don Pickrell, Jr. , Pickrell Assoc			
1998	Dr Edward Liszka, ARL/PSU	Radm John Shipway, USN, NUWC	Tom Casey , Lockheed Martin	
1999	Juergen Keil, NUWC	Roger Smith (deceased), NAVSEA	Dr Brad Becken, Raytheon	
2000	Paul Stevens, NAVSEA	Dr. Mike Pectorius, ONR	Radm Dempster Jackson, USN (ret)	
2001	Tim Douglass, NAVSEA	Bruce Spear, NUWC	John Schilling	
2002	Dr Dan Viccione, Raytheon (NUWC)	None	Terry Corcoran, Raytheon	
2003	Richard Bonin, NUWC	Radm John Butler, USN	Vadm Dan Wolkensdorfer, USN (ret)	Ens. Robert P. Holt , USNPS
2004	John Schuster, OPNAV N774	Radm Mike Sharp, USN	Charles Fox, ARL/PSU	
2005	Dr David Skinner, NSWC PC	James Thompson, NAVSEA	Ms Jean Witter , APL/JHU	
2006	Dr Ernie Holmboe, APL/JHU	Dr Paul Temple, NUWC	Edward Conant, General Dynamics	
2007	Dr Henry Cox, Lockheed-Martin	Capt. Frank Unetic, CO SSD -San Diego	John Fleischmann,	Lt Michael S. Reed , USS Buffalo
2008	Dr Arthur B. Baggeroer, MIT	Vadm J Guy Reynolds (Ret), Naval Submarine League	Ted Hack , General Dynamics	Lt Michael Dolbec, USS Alexandria
2009	Dr Ira Dyer, MIT	Richard R McNamara	Ron Blue. LMCo.	Lt David E. Hudson, SWOS
2010	TBA	TBA	TBA	TBA

# Award History (cont.)

## ● Recent Bronze Selections:

<b>1998</b>	James E. Thomsen Jean-Pierre Feuillet Patricia Dean Ronald Martin Robert March	NSWC CSS Panama City NAVSEA NUWC Newport NUWC Newport NUWC Keyport
<b>1999</b>	Robert J. Kittredge Orrwell B. Watterson Peter Trask Dr. Michael F Czarnecki Barry Knouse Dr Mark Stevenson Steve Nichols Dr. Eric I Thorsos	NUWC Newport NUWC Newport NUWC Newport Naval Research Laboratory NAWC Aircraft Division SSC San Diego SSC San Diego APL/UW
<b>2000</b>	Dr. Brian Houston Dr. Gary Keklis Dr. Gerald Dobeck Ernest R. Oliveira Carl W. Nawrocki	NRL NSWC CSS Panama City NSWC CSS Panama City NUWC Newport NUWC Newport
<b>2001</b>	Dr. Homer Bucker James Christoff Dr. Jeffrey Cohen Dr. Gerald Exley Adolf Neumann	SSC San Diego NSWCDD CSS Panama City NUWC Newport NUWC Newport OPNAV, Resources, Warfare Req. & Assessments
<b>2002</b>	William Beatty John Benedict Frederick Cancilliere Dr. William Kuperman	NSWC Carderock JHU / APL NUWC Newport MPL Scripps Institute of Oceanography
<b>2003</b>	Dr. Jack Lloyd Dr. Roger Gauss Wayne Jordheim William Johnson Dr. John Stapleton Thomas Stewart Philip Tabor	NSWC Dahlgren Naval Research Lab NUWC Keyport NAVSEA JHU / APL JHU / APL NUWC Newport

# Award History ( cont.)

- Recent Bronze Selections (cont.):

<b>2004</b>	Thomas Casey Donald McCormack Joseph Rice Vickie Seldenright Dr. Frank Symons Dr. Sandra Wetzel-Smith	NUWC Newport NUWC Newport Naval Postgraduate School NSWC Panama City ARL / PSU SSC San Diego
<b>2005</b>	Richard Arrieta Joseph Clements Lawrence Johnston Dr. Bruce Newhall Robert O'Connor William Andresen	SSC San Diego ARL / UT NAWC Aircraft Division JHU / APL NUWC Newport NUWC Newport
<b>2006</b>	Leo Schneider Dr Ralph Klingbeil R. Allen Hawkins William Hinckley	ARL/PSU NUWC Newport NSWC Panama City NSWC Indian Head
<b>2007</b>	Dr Bruce Sandman Dr Gregory Ames Peter Herstein Dr. Anthony Dandridge Dr. Robert Ahlers Randy Williams Gregory Harris	NUWC Newport NUWC Newport NUWC Newport Naval Reasearch Laboratory NAWC Aircraft Division -Training Systems Division NSWC Panama City NSWC Indian Head

# Award History (Cont.)

- Recent Bronze selections:

<b>2008</b>	Dr Russell Burkhardt	ARL / PSU
	Kyrill Korolenko	NUWC, Newport
	Diane Kosky	NSWC, Panama City
	William Robertson	NAWC, Aircraft Div , Training Systems Division
	Harold Watt	NUWC, Newport
<b>2009</b>	G Scott Peacock	APL/JHU
	Michael Adams	NAWC Test & Evaluation 5.0
	Ernest Correia	NUWC Newport
	Richard Loeffler	NSWC Carderock

# Roundtable Comments

Mike Sharp  
Roundtable Executive

## Rear Admiral Terry Joseph Benedict Program Executive Officer for Integrated Warfare Systems

Rear Admiral Benedict graduated from the **U.S. Naval Academy in 1982** with a Bachelor of Science Degree. He also holds a Master of Science in Engineering Science from the Naval Postgraduate School and a Master of Business Administration from the University of Phoenix. He is a graduate of the Advanced Program Management course at the Defense Acquisition University, the Executive Leadership Course at Carnegie Mellon and is a certified PMP.

Benedict's first assignment after graduation from the U.S. Naval Academy was to the USS *Harry E. Yarnell* (CG-17). He transferred to the Engineering Duty Officer community in 1985. Benedict reported to Strategic Systems Programs in 1988.

His engineering duty officer tours include: Software manager for the Navigation Branch, Strategic Systems Programs, responsible for D5 IOC navigation software development, test and implementation, 1988-1990; Assistant for missile engineering budget and contract incentives, 1990-1991; Assistant for Arms Control to the Director, Strategic Systems Programs, responsible for all aspects of implementation and compliance with the Strategic Arms Reduction Treaty (START), including the Navy's coordinator for the initial Russian visit to the U.S. for the required START missile and telemetry technical exhibitions and temporary assignment to the Joint Chiefs of Staff for START negotiations in Geneva, Switzerland, 1991-1993; Technical Division Director at the Program Management Office, Strategic Systems Programs, Sunnyvale, Calif., responsible for all in-factory development, production and operational support of the Navy's TRIDENT I and II missile systems, 1993-1996; Engineering Section Head in the Missile Branch, Strategic Systems Programs, responsible for all aspects of the Missile Branch's research, development, repair, instrumentation, flight test support and operational support of the TRIDENT I and II missile systems for both the U.S. and U.K. programs, 1996-1998; Naval Sea Systems Command as a Systems Engineer in the Warfare Architecture Directorate, responsible for initial development of the Navy's "System-of-Systems" engineering process, the development and integration of the Navy's Battle Force Design Reference Missions, development of Battle Force metrics and the Navy's Distributed Engineering Plant, 1998-2000; Strategic Systems Programs as the TRIDENT II Guidance and Fire Control Branch Head including the development of the design requirements for the Navy's SSGN Fire Control system, 2000-2002; Executive Assistant to the Commander, Naval Sea Systems Command, 2002-2003. Benedict was assigned as Technical Director, Strategic Systems Programs in January 2004-July 2007.

Benedict is assigned as Program Executive Officer for Integrated Warfare Systems, Office of the Assistant Secretary of the Navy (Research, Development and Acquisition), Washington, D.C.

Benedict's personal decorations include the Legion of Merit (two awards), the Navy Meritorious Service Medal (five awards), the Navy Commendation Medal, the Navy Achievement Medal, and the Navy Expeditionary Medal (two awards).



## Ground Rules

- Classified discussion up to SECRET
- Not for attribution
- All electronic devices to be turned off and left outside

- Advisory Council Remarks
- Vice Chairman Remarks