

February 6, 2007

# PROCEEDINGS



“Pest Management: Meeting Force Health  
Protection Challenges and Supporting the  
Global Security Mission”

## **2007 DoD Pest Management Workshop**

**Naval Air Station, Jacksonville, Florida  
February 12 - 16, 2007**

**Sponsored by the  
Armed Forces Pest Management Board  
Office of the Deputy Under Secretary of Defense  
(Installations and Environment)  
Washington, D.C.**

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## Sunday, February 11

- 1330 Board Certified Entomologist Examination (must have pre-registered with the Entomological Society of America) – LTC (P) Mustapha Debboun
- 1900-2100 No Host Social – Mulligan’s, Building 809, Mustin Road, NAS JAX

## Monday, February 12

### MORNING SESSION

#### River Cove Officers’ Club, Main Ballroom, Building 10, Mustin Road

#### **0830-1130 Plenary Session, Moderator: CAPT S.E. Cope**

- |           |  |  |
|-----------|--|--|
| 0830-0835 | Announcements  | CAPT Cope  |
| 0835-0840 | Welcome, Naval Air Station, Jacksonville   | CAPT Chip Dobson<br>Commander, NAS JAX           |
| 0840-0845 | Welcome and Keynote Introduction   | COL Richard Johnson<br>Executive Director, AFPMB |
| 0845-0920 | Keynote Speaker  | Mr. Alex Beehler<br>ADUSD (ES&OH)                |
| 0920-0950 | President’s Malaria Initiative   | Mr. Tim Ziemer<br>RDML (Ret)                     |
| 0950-1015 | Dengue: An emerging arboviral disease<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a> | Dr. Gary Clark                                   |

1015-1030 BREAK

#### **1030 AFPMB Chair Remarks and Committee Chairs Brief (2-minute briefs),**

##### **Moderator: Ms. S. Alvey, Chair, AFPMB**

Contingency Advisory Committee – LCDR E. Hoffman  
Education and Training Committee – MSgt (S) D. Willett  
Equipment Committee – CDR D. Szumlas  
Information Management Committee – Ms. C. Convery  
Medical Entomology Committee – LTC W. Sames  
Diagnostics Subcommittee – LTC M. O’Guinn  
Natural Resources Committee – Lt. Col. D. Burkett  
Pesticides Committee – Mr. C. Myers  
Quarantine/Commodity Protection Committee – Mr. G. Walker  
Real Property Protection Committee – Mr. J. Harrison  
Repellents Committee – LTC(P) . M. Debboun  
Research Committee – LTC. R. Coleman

**1145 Lunch**



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1500 Contingency Advisory Committee – River Cove Officers’ Club Main Ball Room – LCDR Hoffman  
Diagnostics Subcommittee – BOQ Conference Center – LTC O’Guinn  
Education and Training Committee – River Cove Officers’ Club St John’s Room – MSgt(S) Willett

**1700 Committee Session I adjourns**

1900-2100 DoD Pesticide Applicator Certification/Re-certification Examinations - Must be enrolled in the AMEDD C&S Correspondence Course – Location TBD

1930-2130 AFPMB Executive Committee Meeting – Location TBD

**Tuesday, February 13**

**MORNING SESSIONS**

**River Cove Officers’ Club, St John’s Room, Bldg 10, Mustin Road**

**0800-1145 Concurrent Session: Diagnostic Session, Moderator, LTC R. Coleman**

0800-0805 Administrative LTC R. Coleman

0805-0825 What do Vector Diagnostics do for the Deployed LTC R. Coleman  
[\[PRESENTATION\]](#)

0825-0900 Demonstration of Hand-held VecTest Assays/Real-time PCR Assays LTC M. O’Guinn, et al.  
[\[PRESENTATION\]](#)

0900-0945 Demonstration of Hand-held VecTest Assays/Real-time, CONT.

0945-1000 BREAK

1000-1020 Military West Nile Virus Surveillance: What have We Learned? Mr. B. Pagac, et al.  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)

1020-1040 Lessons Learned: Sand fly Surveillance during OIF/OEF (2003-2005) LTC R. Coleman, et al.  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)

1040-1100 Field Evaluation of Real-time PCR Assays LTC M. O’Guinn, et al.  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)

1100-1120 Scrub Typhus Diagnostics: What Works Best? Dr. L. Kriangkrai, et al.  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)

1120-1140 Diagnostic Round Table Facilitated Discussions LTC R. Coleman

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**Tuesday, February 13**  
**MORNING SESSIONS**

**BOQ Conference Center, Bldg 11, Mustin Road**

**0800-1145 Concurrent Session: Medical Entomology Session, Moderator: LTC(P) Debboun**

0800	Administrative Announcements	LTC(P) Debboun
0800-0815	Response of Phlebotomine Sand Flies to Light Emitting Diode-Modified Light Traps in Southern Egypt <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LCDR D.F. Hoel, et al.
0815-0830	Carbon Dioxide Generation Using Limestone and Acid <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LCDR B. Prendergast
0830-0845	Evaluation of Dry Ice Substitutes for Mosquito Trapping <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Mr. B. Zeichner, et. al
0845-0900	Comparison of Three Sources of CO <sub>2</sub> (Electrochemical Generation, Propane Combustion and Compressed Gas Cylinder) for Mosquito Surveillance <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Dr. D. Kline
0900- 0915	First Look at 4-Poster Tick Control Effectiveness on Two DoD Facilities <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Mr. K. Neidhardt, et al.
0915-0930	WRBU Resources: Know the Vector, Know the Threat <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Dr. L. Rueda, et al.
0930-0945	Database Resources of the Defense Pest Management Information Analysis Center <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a> <a href="#">[SCRIPT]</a>	Dr. R. G. Robbins
0945-1000	BREAK	
1000-1015	Mosquito Barriers and Repellent Usage at Marine Corps Recruit Depot, Paris Island <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LCDR B. Prendergast
1015-1030	Design, Laboratory and Field Testing of a Self-Supporting, Exposure-Free Bednet Trap for Sampling Adult Arthropod Vectors <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LCDR C. Stoops
1030-1045	High Throughput Testing for Toxic and Behavior Modifying Chemicals against Phlebotomine Sand Flies <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Dr. G. Zollner, et al.
1045-1100	Distribution of Ticks and the Potential Impact of Tick-borne Diseases on United States Forces in Korea <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LTC W. Sames, et al.

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- |             |   |                      |
|-------------|---|----------------------|
| 1100-1115   | Surveillance and Risk Assessment of Rodent-Borne Diseases in Korea<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a> | Dr. T. Klein, et al. |
| 1115-1130   | Development of Integrated Control Methods for Sand Fly Populations in Kenya   | MAJ. J. Richardson   |
| 1130-1145   | Session Conclusion  | Moderator            |
| <b>1145</b> | <b>Lunch</b>  |                      |

## **Tuesday, February 13**

### **AFTERNOON SESSIONS**

**River Cove Officers' Club, Manatee Room, Bldg 10, Mustin Road**

- 1200-1700 Vendor Displays**  
**Note: Vendor Displays will remain open on Wed. from 0800 to 1700 hrs**

#### **NAX JAX Flight Line**

- 1200-1600 USAF C-130 Spray System Static Display**

#### **Committee Meetings, Session II**

- 1500** Quarantine/Commodity Protection Committee – Officers' Club, St John's Room – Mr. Walker  
Real Property Protection Committee – BOQ Conference Center – Mr. Harrison  
Repellents Committee – Officers' Club, Main Ball Room – LTC(P) Debboun
- 1700 Afternoon Sessions adjourn**
- 1800 U.S. Army Reserve Entomology Meeting** - Discussions over Dinner      LTC J. Haliscak  
Dress is casual. Meet in the BOQ Conference Room, Bldg 11.

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**Wednesday, February 14**  
**MORNING SESSIONS**

**BOQ Conference Center, Bldg 11, Mustin Road**

**0800-1145 Concurrent Session: Deployed Warfighter Protection (DWFP) Research Program Session, Moderator: Dr. G. B. White**

0800-0805 DWFP Introduction CAPT S.E. Cope  
DWFP Program Manager

0805-0815 USDA/ARS Overview Dr. D. A. Strickman  
[\[PRESENTATION\]](#) NPL-104 Program Leader

0815-0845 CAIBL Activities Dr. M. F. Feldlaufer  
[\[PRESENTATION\]](#) Research Leader

0845-0905 APMRU Activities Dr. W. C. Hoffmann  
[\[PRESENTATION\]](#)

0905-0945 Competitive Grants: Status Report Dr. G. B. White  
[Presentation link coming soon]

0945-1000 BREAK

1000-1135 CMAVE Activities Dr. G.G. Clark  
Research Leader, et al.

Ulrich Bernier – Progress in DWFP and related research  
[\[PRESENTATION\]](#)

Miriam Cooperband – Behavioral responses of mosquitoes to toxicants  
[\[PRESENTATION\]](#)

Christopher Geden - Evaluation of insecticide-treated visual targets for flies  
[\[PRESENTATION\]](#)

Daniel Kline – Alternative Application Technology  
[\[PRESENTATION\]](#)

Ken Linthicum - Review USDA-ARS Center for Medical, Agriculture and Veterinary Entomology (CMAVE) in the Deployed War-Fighter Protection (DWFP) Program Introduction  
[\[PRESENTATION\]](#)

Julia Pridgeon - DWFP Toxicology Research to Develop Insecticides for Vector Control  
Brian Quinn - Protecting Military Personnel by Controlling Host-Seeking Arthropods  
[\[PRESENTATION\]](#)

1135-1145 DWFP Wrap-Up CAPT S.E. Cope

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**Wednesday, February 14**  
**MORNING SESSIONS**

**River Cove Officers' Club, St John's Room, Bldg 10, Mustin Road**

**0800-1145 Concurrent Session: Non-Native Invasive Species, Moderator: Dr. P. Egan**

- |             |   |                            |
|-------------|---|----------------------------|
| 0800        | Administrative Announcements  | Dr. P. Egan                |
| 0800-0845   | Crop Biosecurity and Emergency Management<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>  | Dr. O. El-Lissy            |
| 0845-0930   | An Invasive Species Early Detection Rapid Assessment and Response National Framework<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>                                   | Ms A. Simpson              |
| 0930-0945   | Developing Bid Specifications for Invasive Plant Control Programs on Military Installations<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>                            | Mr. S. Manning             |
| 0945-1000   | BREAK   |                            |
| 1000-1025   | Legacy Resource Management Program<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>   | Mr. P. Morales             |
| 1025-1050   | DoD's Corporate R&D Program Tackles Invasive Species<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>   | Ms A. Dalsimer             |
| 1050-1110   | Innovative Tools for the Transfer of Invasive Plant Management Technology<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>  | Mr. M.J. Grodowitz, et al. |
| 1110-1125   | Use of Remote Sensing with Geographic Information Systems to Optimize Management Strategies for Invasive Plant Control<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a> | Dr. J. Bean, et al.        |
| 1125-1140   | Review of Clearcast® (imazamox): A Reduced Risk Herbicide for Control of Aquatic and Wetland Invasive Plants<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>           | Mr. A. Burns, et al.       |
| <b>1145</b> | <b>Lunch</b>  |                            |

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**Wednesday, February 14**  
**AFTERNOON SESSIONS**

**BOO Conference Center, Bldg 11, Mustin Road**

**1300-1450 Concurrent Session: Filth Fly Session, Moderators: CDR D. Szumlas/Dr.J. Hogsette**

1300-1305	Administrative Announcements	CDR D. Szumlas
1305-1320	Carrion Fly and Disease Vector Activity Associated with a Decomposing Corpse <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LTJG D. England
1320-1335	Preliminary Field Evaluations of Commercially Available Filth Fly Traps <a href="#">[PRESENTATION]</a>	CDR D. Szumlas
1335-1350	Fly Trapping and Control in Arid Environments <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Dr. J. Hogsette
1350-1410	Techniques for Evaluating Insecticide Resistance in Filth Flies <a href="#">[PRESENTATION]</a>	Dr. P. Kauffman
1410-1430	New Attractants in Fly Trapping and Control <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Dr. C. Geden
1430-1450	New Fly Control Technologies <a href="#">[PRESENTATION]</a>	Dr. P. Koehler
1450-1452	Concluding Remarks	Moderators

**River Cove Officers' Club, St John's Room, Bldg 10, Mustin Road**

**1300-1450 Concurrent Session: Natural Resources, Moderator: Lt. Col. D. Burkett**

1300-1305	Administrative Announcements	Lt. Col. D. Burkett
1300-1315	Computer Based Pest Management Activity Reporting <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Mr. J. Bresnahan
1315-1330	Evaluation of Advion, a New Indoxacarb-based Bait Developed for Control of the Red Imported Fire Ant <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	LT. B. Furman
1330-1345	Introduction of a New Dupont Bare Ground Herbicide. <a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>	Mr. J. D. Cantlon, et al.

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- 1345-1400 Downy Brome (*Bromus tectorum*) and Medusahead (*Taeniatherum caput-meduseae*) Control with different Dupont Herbicides  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#) Mr. R.G. Turner, et al.
- 1400-1415 Salt Cedar (*Tamarix ramosissima*) Control and Management with different DuPont Herbicide Combinations  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#) Mr. J. Pitts, et al.
- 1415-1430 Aerial Application of Herbicides on DoD Ranges for Control of Invasive and Noxious weeds  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#) Capt K. Haagsma, et al.
- 1430-1445 Agricultural Aerial Spraying in a Combat Zone: Control of the Dubas Bug (*Ommatissus lybicus*) in Date Palms in Iraq  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#) LTC J. Blow
- 1445-1500 Concluding Remarks Lt. Col. D. Burkett

### **Committee Meetings, Session III**

**1500**

Equipment Committee – BOQ Conference Center – CDR Szumlas

Research Committee – Officers’ Club, Main Ball Room – LTC Coleman

Natural Resources Committee – Officers’ Club, St John’s Room – Lt Col Burkett

**1700** Committees adjourn

### **Evening**

**River Cove Officers’ Club, Main Ballroom, Building 10, Mustin Road**

**1800-1900** No Host Social – Main Ball Room

**1900** Banquet, Main Ballroom

**Speaker:** Dr. G. Miller; “Bad Bread and Battlefield: An Epic Struggle with Insects during the American Civil War”

**Menu:** Reef & Beef Buffet with a Chicken Twist - Salad w/house dressing – Crab Legs – Steamed Shrimp – Seafood Newberg – Roast Beef – Chicken Marsala – Garden Veggie – Rice or Potato – Rolls – Iced Tea – Coffee – and Desert Cake.

Cost, including Gratuity: \$25.00, payable by Cash or Check at registration.

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**Thursday, February 15**  
**MORNING SESSIONS**

- 0800-1145 Army Medical Entomology Session – River Cove Officers’ Club, Main Ballroom, Bldg 10, Mustin Road, Moderator: COL T. Logan**
- 0800-0815 Session Opening COL T. Logan
- 0815-0915 HRC Update MAJ K. LeFrancis  
[\[PRESENTATION\]](#)
- 0915-0935 BREAK (20 Minutes)
- 0935-1035 Update on Preventive Medicine Doctrine, Organization, and Materiel Issues at the Directorate of Combat Development LTC T. Delk/MAJ C. Miller  
[\[PRESENTATION\]](#)
- 1035-1050 Current Status and Impact of Army Transformation on Army Medical Entomology in Korea LTC W. Sames  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 1050-1145 Military Medical Entomology Round Table Facilitated Discussion COL Logan
- 0800-1145 Army Installation/Installation Support Session – BOQ Conference Center, Building 11, Mustin Road, Moderators: Dr. Edward S. Evans, Jr. Program Manager, US Army Center for Health Promotion and Preventive Medicine, Entomological Sciences Program, Aberdeen Proving Ground, MD and Ms. Sandra Alvey, USAEC Senior Pest Management Consultant, US Army Environmental Command, Aberdeen Proving Ground, MD**
- 0800-0815 USACHPPM Pest Management Program Overview Dr. E. Evans  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0815-0830 AMEDD C&S Training and Certification Overview LTC(P) M. Debboun  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0830-0845 ODEP Overview Mr. J. Tarnopol  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0845-0900 USAEC Pest Management Overview Ms. S. Alvey  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0900-0915 IPM-in-CDC Initiative Mr. T. Green  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0915-0925 Fort Lewis IPM-in-CDC Initiative Mr. F. Harrison  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)
- 0925-0945 BREAK
- 0945-1000 Pest Management Issues with Re-locatable Buildings Mr. J. Spohn  
[\[ABSTRACT\]](#) [\[PRESENTATION\]](#)

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1000-1015	Performance Based Contracting Initiative [ <a href="#">ABSTRACT</a> ] [ <a href="#">PRESENTATION</a> ]	Ms. C.E. Convery
1015-1030	GIS/GPS Initiative	Mr. B. Zeichner
1030-1045	USDA Update & Range Sustainability [ <a href="#">ABSTRACT</a> ] [ <a href="#">PRESENTATION</a> ]	Dr. H. Bolton
1045-1100	EPA Program Overview [ <a href="#">ABSTRACT</a> ] [ <a href="#">PRESENTATION</a> ]	Mr. S. Hopkins
1100-1145	Round Table Facilitated Discussions  Topics: IMPAC/RCI Issues Self Help Program Issues Training & Certification (Food Service Sanitation?) Issues Repellents in Child Development Centers (CDCs) Aerial Spray Procedures NGB/IMA-AR Issues OCONUS Issues BRAC/Joint Basing Program Funding (FOM, COLS, CLS) Distance Learning Demonstration	Dr. E. Evans/Ms S. Alvey
<b>0800-1145</b>	<b>Air Force Entomology Session – Officers’ Club, St John’s Room</b> <b>Moderators: Col. J. Swaby/ Mr. W. Fordham</b>	
0800	Welcome and Introduction of Attendees	Col J. Swayby /Mr. W. Fordham
0805-0820	EPA Update [ <a href="#">ABSTRACT</a> ] [ <a href="#">PRESENTATION</a> ]	Mr. S. Hopkins
0820-0830	AFPMB Update	Lt.Col. S. Spradling
0830-0840	HQ USAF Natural Resources Update [ <a href="#">PRESENTATION</a> ]	Lt Col D. Burkett
0840-0905	Future Role for 3E4X3s/Training Update [ <a href="#">PRESENTATION</a> ]	MSgt Delaney/TSgt Willett
0905-0920	Break and Photo Time	
0920-0940	Invasive Species Control Opportunities in SPACECOM [ <a href="#">PRESENTATION</a> ]	Ms. M. Anderson
0940-1000	Air Force Pest Management Program [ <a href="#">PRESENTATION</a> ]	Mr. W. Fordham
1000-1145	Active Duty Career Field Update [ <a href="#">PRESENTATION</a> ]	Col J. Swaby
1145	Adjourn	
<b>0800-1145</b>	<b>Navy Entomology Session – NECE Class Room, Moderators: CAPT M. Beavers/CDR S. Rankin</b>	

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**Topics:**

1. Forward Deployable Preventive Medicine Unit
2. Marine Corps Support
3. Service Specific Platforms/Capabilities/Equipment/Training
  - a. Army (overview)
  - b. Air Force (overview)
4. Navy Disease Vector Capabilities Review Discussion (group)
5. Navy Disease Vector Equipment Review Discussion (group)
6. Navy Disease Vector Training Review Discussion (group)

**0800-1145 Navy Applied Biology Session – Conference Room, First Floor, Bldg 844, Mustin Road, Moderator: Ms S. Bartku**

**1145 Lunch**

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**Thursday, February 15**  
**AFTERNOON SESSIONS**

**River Cove Officers Club, St Johns Room, Bldg 10, Mustin Road**

**1300-1500**    **Concurrent Session: Bird/Feral Animal/Rodent Control Session**  
**Moderator: LTC S. Horosko**

- |           |  |                           |
|-----------|--|---------------------------|
| 1300      | Administrative Announcements   | LTC S. Horosko            |
| 1300-1320 | Rodent Control: New Products/Pest Management Industry Update   | Mr. J. Ford               |
| 1320-1340 | Use of GIS Software to Record Trap/Bait Stations Placement and Servicing<br>[ABSTRACT]    [PRESENTATION] | Mr. B. Zeichner           |
| 1340-1440 | Bird Control United Bird & Bat Control LLC Bird Barrier North America<br>[ABSTRACT]    [PRESENTATION]    | Mr. T. Lafforthun, et al. |
| 1440-1445 | Feral Animal Control Round Table Discussion  | Moderator                 |
| 1445-1500 | Session Conclusion   |                           |

**BOQ Conference Center, Bldg 11, Mustin Road**

**1300-1500**    **Concurrent Session: Medical Entomology; Moderator: Maj M. Pomerinke**

- |           |  |                   |
|-----------|--|-------------------|
| 1300-1305 | Administrative Announcements   | Maj M. Pomerinke  |
| 1305-1320 | Current Equipment Evaluation Projects at the Navy Entomology Center of Excellence (NECE), NAS JAX Jacksonville, FL<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>  | Dr. T.W. Walker   |
| 1320-1345 | Rift Valley Fever, 2006/2007 Outbreak in Kenya<br><a href="#">[PRESENTATION]</a>   | MAJ J. Richardson |
| 1345-1400 | Effects of Scorpion Envenomation from <i>Androctonus crassicauda</i> : A Personal Experience<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>  | CPT S. Garvin     |
| 1400-1415 | IPM in a Medical Treatment Facility<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a>   | Mr. J. Nelson     |
| 1415-1430 | Environmental Site Assessments of Hospital Pest Management Programs as Part of a Humanitarian Assistance Mission to Medically Underserved Regions of Southeast Asia<br><a href="#">[ABSTRACT]</a> <a href="#">[PRESENTATION]</a> | LT. K. Barbara    |

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|-----------|---|------------------------------|
| 1430-1455 | Risk Assessments for Exposure of Deployed Military Personnel to Insecticides used for Personal Protection and Disease-vector Management<br><a href="#">[PRESENTATION]</a> | Dr. R. K.D. Peterson, et al. |
| 1455-1500 | Session Conclusion  | Moderator                    |

### **Committee Meetings, Session IV**

- |             |  |
|-------------|--|
| <b>1500</b> | Information Management Committee – Officers’ Club, St John’s Room – Ms. Convery<br>Medical Entomology Committee – BOQ Conference Center – LTC Sames<br>Pesticides Committee – Officers’ Club, Main Ball Room – Mr. Myers |
| <b>1700</b> | <b>Committee Session IV adjourns</b>   |

### **Friday, February 1** **BOQ Conference Center**

- |                  |   |
|------------------|---|
| <b>0830-1145</b> | <b>184<sup>th</sup> Meeting of the Armed Forces Pest Management Board – Ms Sandra Alvey, Chair, AFPMB and Mr. Don Teig, Vice Chair, AFPMB</b> |
| <b>1200</b>      | <b>Adjourn</b>  |