



*Philadelphia Chapter of the American Helicopter Society*

## **DINNER MEETING**

**Tuesday, September 15th, 2009**

*Program:* **“DOD Helicopter Mishap Review”**

A Copy of the presentation will be made available on [www.ahsphillypa.org](http://www.ahsphillypa.org) prior to the dinner

*Speaker:* **Colonel Pete Mapes, USAF  
OSD Pilot Physician**

*Sponsor:* **EATON AEROSPACE  
ELECTRICAL SENSING AND CONTROLS DIVISION**

*Place:* **D’Ignazio’s Towne House Restaurant,  
117 Veterans Square, Media, PA 19063**

*Time:* **Cocktails - 5:30 pm, Dinner - 6:30 pm, Presentation - 7:15 pm**

*Menu:* **Filet Mignon, Chicken Parmesan, Crab Cakes**

*Registration:* **Deadline Friday September 11th Please!**

<b>AHS Members</b>	<b>\$ 20.00</b>
<b>Guests of AHS Members</b>	<b>\$ 25.00</b>
<b>Non-Members</b>	<b>\$ 30.00</b>
<b>AHS Student Members</b>	<b>\$ 10.00</b>
<b>AHS Member Couples</b>	<b>\$ 40.00</b>

Spouses are encouraged to attend!

\* Please fill out the guest voucher to receive the guest rate.

*Reservations:* **email: [dinnermeetings@ahsphillypa.org](mailto:dinnermeetings@ahsphillypa.org)  
Phone: 610-522-4973**

Please provide [1] first & last name, [2] menu selection, and [3] registration type.

**If you need to cancel your reservation please do so by 10 AM the day of the meeting.**

<http://vtol.org>

<http://www.ahsphillypa.org>

**Colonel Pete Mapes, USAF, MC, CFS;  
Office of the Deputy Undersecretary of Defense for  
Readiness; Readiness Programming and Assessment**



***About our speaker ....***

Col. Mapes is assigned as the Pilot Physician, Readiness Programming and Assessment, in the office of the Under Secretary of Defense for Personnel and Readiness at The Pentagon in Washington, D.C. His portfolio includes the epidemiological study of military mishaps and the development of targeted interventions to reduce mishaps, save lives and preserve equipment. Col Mapes serves as a member of the Aviation Safety Technology Working Group of the Acquisition & Technology Programs Task Force (A&TPTF). He also serves with the Human Systems Integration Task Force (HSITF). The A&TPTF and the HSITF are two of nine Task Forces supporting the Defense Safety Oversight Council.

Col Mapes developed the methodology, which made the business case for Automatic Collision Avoidance Technology (ACAT). He teamed with the Aviation Safety Technology Working Group to produce the formal business case report which brought the Automatic Ground Collision Avoidance System back as a funded program and targeted it to fighter aircraft. He also superintended a twenty-one year analysis of all DoD rotary wing mishaps and developed targeted interventions designed to preserve lives and equipment. Col Mapes vision for safety throughout DoD includes Joint oversight of Service mishap data collection, Joint analysis of systems common to more than one Service in DoD and the inclusion of safety analysis and human system integration in the acquisition process – including the development and funding of requirements based on safety experience.

Col Mapes is both a Command Pilot and a Chief Flight Surgeon. He has logged over 10,500 hours as a pilot and nearly 1,000 hours as a flight surgeon. He was awarded his Air Force pilot wings at Craig AFB in July of 1977 and was an Outstanding Graduate from B-52 Combat Crew Training School. In 1981 he was the Junior Officer of the Year in the 379th Bombardment Wing and he was a distinguished graduate from Squadron Officer School. He graduated from the Uniformed Services University, F. Edward Hebert School of Medicine in 1986 and completed a Transitional Internship at Andrews AFB. He served as Chief of Flight Medicine and Chief of Aeromedical Services at the base level from 1987 to 1990 after which he was accepted into the Pilot Physician Program. As a Pilot Physician he continued to serve in B-52s and was awarded the Mackay Trophy in 1994 with the rest of his B-52 crew E-21 for the outstanding military flight of the year and the Malcolm Grow Award as the Air Force Flight Surgeon of the Year. He completed a Master of Public Health Degree in 1995 and residencies in both Aerospace and Occupational Medicine in 1996 and 1997 respectively, passing boards in each. He has served as a Squadron Commander in Air Combat Command, Operations Staff Branch Chief and instructor pilot at Air Education and Training Command and researcher both at the European Office of Aerospace Research and Development and the Air Force Research Laboratory. He is a Fellow of the Aerospace Medical Association and received both the Harry C. Moseley Award for 'significant contribution to flight safety' in 2006 and the Kent Gillingham Award for 'significant contributions in the fields of spatial disorientation and situational awareness related to flight' in 2008.

Col Mapes has completed both Air Command and Staff College and Air War College by correspondence. He is married to Colonel Nona Irene Mapes, USAFR and they have three children. The Mapes family hails from Oscoda, Michigan.



# Aerospace Electrical, Sensing & Controls Division

## About our sponsor....

Eaton Aerospace, Electrical Sensing & Controls Division, is an industry leader in the design and manufacture of aerospace electrical power components and distribution systems, electromechanical motion control, cockpit control panels and lighting, pilot controls, sensors, debris monitoring and lubrication subsystems. Comprised of six plants and over 1,400 employees, Eaton Aerospace ESC Division has a proud heritage of aerospace component excellence through such legacy brands as Mechanical Products, Consolidated Controls, PerkinElmer, Cutler Hammer, MSP, and Tedeco.

Specific to rotorcraft, through its Tedeco brand, Eaton provides helicopter transmission and engine lubrication system condition monitoring equipment such as chip detectors, debris monitors, integrated lube tank and reservoir systems, liquid level sensors and indicators, filler caps, breathers and drain valves. The company also provides engineering and laboratory services to assist customers in the solution of complex diagnostic problems. Started in 1952, Tedeco has a long history of service to the helicopter industry. Their advancements in debris monitoring technology have kept pace with improvements in gas turbine engines, transmissions and gearboxes.

Eaton's debris monitoring products can be found on almost every major helicopter platform in the last 40 years. Some key platforms include; the Osprey, Blackhawk, Chinook, Huey, Cobra, Apache, sea stallion, super stallion and many more. Eaton is a pioneer in the debris monitoring field with innovations such as the Zapper, Smart Zapper System, Quantitative Debris monitor and Lubriclone®. For more information about Eaton's Debris monitoring products contact their sales manager, Bob Krausen.

**Bob Krausen, Product Sales Manager**  
**Eaton Corporation**  
**Aerospace Electrical Sensing and Controls Division**  
**Ph: 502-348-0025 Fx: 502-348-0136 Cell: 502-545-8144**  
E-mail: [RobertDKrausen@Eaton.com](mailto:RobertDKrausen@Eaton.com)

Thank you for joining us this evening and your interest in the AHS. Please fill out this guest voucher to receive the guest rate.

### AHS Philadelphia Chapter Dinner Meeting Guest Voucher



Guest's Name: \_\_\_\_\_

Guest Contact Info: \_\_\_\_\_

(e.g., Address, Tele No., E-mail) \_\_\_\_\_

Sponsoring  
Member's Name: \_\_\_\_\_

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