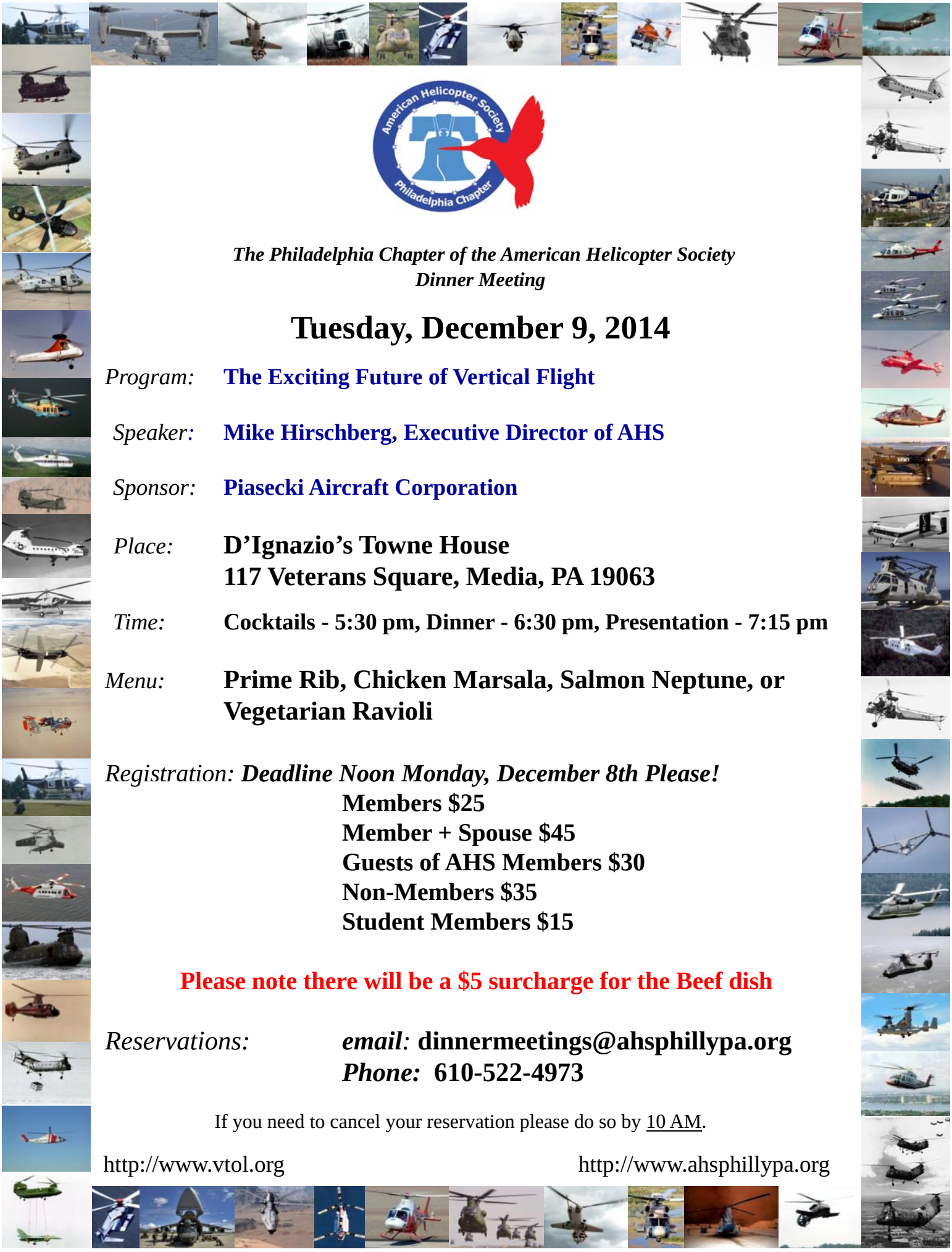

The Philadelphia Chapter of the American Helicopter Society
Dinner Meeting

Tuesday, December 9, 2014

Program: **The Exciting Future of Vertical Flight**

Speaker: **Mike Hirschberg, Executive Director of AHS**

Sponsor: **Piasecki Aircraft Corporation**

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

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

Menu: **Prime Rib, Chicken Marsala, Salmon Neptune, or Vegetarian Ravioli**

Registration: ***Deadline Noon Monday, December 8th Please!***
Members $25
Member + Spouse $45
Guests of AHS Members $30
Non-Members $35
Student Members $15

Please note there will be a $5 surcharge for the Beef dish

Reservations: ***email:*** **dinnermeetings@ahsphillypa.org**
Phone: **610-522-4973**

If you need to cancel your reservation please do so by 10 AM.

http://www.vtol.org http://www.ahsphillypa.org

About our Speaker:

Mike Hirschberg
Executive Director of the American Helicopter Society

Mike Hirschberg assumed the duties of the AHS Executive Director on June 1, 2011, after 20 years in the aerospace industry, primarily in vertical flight. As the Executive Director, he is responsible for the execution of the strategic direction set by the AHS Board of Directors.

He represents the vertical flight technical community and advocates for the advancement of vertical flight research and technology to the executive and legislative branches of the government. Mr. Hirschberg is the publisher of all society publications, including *Vertiflite*, the *Journal of the AHS*, and the *AHS Annual Forum Proceedings*.

Mr. Hirschberg was previously a principal aerospace engineer with CENTRA Technology, Inc., providing technical and program management support for over 10 years to the Defense Advanced Research Projects Agency (DARPA) and Office of Naval Research (ONR) on advanced aircraft and rotorcraft concepts. Prior to this, Mr. Hirschberg worked from 1994 to 2001 in the Joint Strike Fighter (JSF) Program Office, supporting the development of the X-32 and X-35 vertical flight propulsion systems.

He served as the Managing Editor of *Vertiflite* magazine from 1999 to 2011, and had been a contributing author since 1997. Mr. Hirschberg is an internationally-known lecturer, frequently presenting on vertical flight at short courses, meetings, conferences and universities, and is the author/co-author of more than 100 publications on helicopter, V/STOL and advanced aircraft developments, including three books.

Mr. Hirschberg holds a B.S. in Aerospace Engineering from the University of Virginia (1991) and a M.E. Mechanical Engineering from Catholic University of America (1996). He completed a Master of Business Administration at the Virginia Polytechnic Institute & State University (Virginia Tech) in 2013.
He is an Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA) and a Fellow of the Royal Aeronautical Society (RAeS).

About our Sponsor

Piasecki Aircraft Corporation (PiAC), founded in 1955, is a small research and development business specializing in the design, fabrication and flight test of experimental rotorcraft and unmanned air vehicle technologies. PiAC leverages its unique skills and experience to develop ground-breaking technologies to penetrate emerging markets. The company has the personnel, technical skills, tools, and facilities required to conduct rotorcraft design, technology, and trade studies to validate concepts, and to conduct follow on technology transition, design, fabrication, qualification and flight test. Small or large design and design and test efforts can be rapidly conducted in collaboration with companies and/or Government agencies. Complex qualification testing to FAA, Military ADS, ASTM, SAE and company specifications can be performed quickly and economically. PiAC facilities include ground and flight test capabilities. Its Manufacturing Department operates primarily as a rapid prototyping facility including a machine shop with 5-axis CAM/EAD milling, welding shop, sheet metal shop, and composite plastics shop, transmission clean room, and major assembly area. The company has a fully qualified aircraft QC Department, is ISO 9001 and AS9100 Revision C certified. Piasecki Aircraft has a Secret Facility Security Clearance.

Recent accomplishments include: 1) The X-49A Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter demonstrated up to greater than 40% increased speed at the same power as the baseline SH-60F Seahawk with up to a 50% reduction in vibration and fatigue loads; (2) Development and flight demonstration of the Turais Wing and Bomb Bay Launched Unmanned Air Vehicle; (3) Flight demonstration of the world's first man-rated autonomous helicopter capability using the KlearPath autonomous collision avoidance and landing system on the Boeing Unmanned Little Bird. Currently, under the DARPA-funded Aerial Reconfigurable Embedded System (ARES), a modular multi-mission VTOL US; PiAC, as a subcontractor to Lockheed Martin, has lead development responsibility for the ARES flight module.

Piasecki has developed and flown over 25 different advanced VTOL aircraft and was awarded the National Medal of Technology in 1986, the Smithsonian Air & Space Achievement Award in 2005, was featured as one of the Department of the Navy SBIR/STTR Success Stories in 2007 and received AIAA's Aerospace Project of the Year in 2009. Most recently, PiAC received the Tibbett's Award for SBIR innovation in 2012.

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