

**ASA, Upper Midwest Chapter**  
**MEETING ANNOUNCEMENT**

**Date:** Tuesday, February 21, 2012  
**Time:** Social at 5:45, Dinner at 6:15, Business meeting at 7:00, Program at 7:30  
**Dinner:** Chicken Pasta, House Salad, Chocolate Mousse  
**Meal Cost:** \$30 (\$15 for full-time students)

Special diets accommodated by request in advance.

**Program:** **Acoustical Testing near Arctic National Wildlife Refuge**

**Location:** Avalon Room, 3rd floor Holiday Inn Metrodome, 1500 Washington Av. S. Minneapolis

**Reservations to Dave Braslau by Friday, February 17**  
**([david@braslau.com](mailto:david@braslau.com) or [612-331-4571](tel:612-331-4571))**

**Speaker:** Tim Casey, HDR  
**Title:** Acoustical Testing near Arctic National Wildlife Refuge

ExxonMobil intends to develop the Thomson Sand Reservoir on the North Slope of Alaska, near Point Thomson. Point Thomson is a coastal feature located approximately 250 miles north of the Arctic Circle, XX miles west of Prudhoe Bay, and XX miles east of the western boundary of Arctic National Wildlife Refuge (ANWR). This portion of the North Slope (a broad, undeveloped coastal plain) includes caribou calving habitat in summer and polar bear den habitat in winter. The coastal waters are also home to bowhead whales. Nearby subsistence communities including Kaktovik, located inside ANWR, live on caribou and bowhead whale. As the Lead Federal Agency, US Army Corps of Engineers hired HDR Engineering, Inc. to lead the development of an Environmental Impact Statement (EIS). US Fish and Wildlife Service (FWS), the agency that administers ANWR, and other agencies expressed concern about potential noise effects upon

caribou and polar bears, recreational use of ANWR, and Kaktovik. Staff in HDR's Acoustics Program measured noise levels and winds at six locations on the North Slope, in summer and winter; measurements were also performed on an island in the Beaufort Sea. Over 5,000 hrs of data was stored every second by monitoring equipment in custom-made enclosures designed to withstand extreme arctic winter conditions and polar bear attacks. The noise analysis also included modeling stationary, mobile, and air-borne noise sources in winter and summer conditions. Tim Casey managed the noise analysis and will present an overview/summary of the noise analysis.

Tim Casey is the Acoustics Program Manager for HDR Engineering, Inc. and is located in HDR's Minneapolis office. He's worked in the field of environmental acoustics for almost 25 years, on projects located throughout the United States. His primary areas of practice include assessments of wind turbine noise, surface transportation noise, and other infrastructure/industrial noise sources. Tim has provided expert witness testimony on wind turbine noise, freight rail noise, noise from landfill operations, and has testified before the United States Surface Transportation Board in Washington DC. He leads a group of five acousticians in HDR's Minneapolis office that practice in Architectural, Environmental, Industrial, Occupational, and occasionally Underwater acoustics (AEIOU)

**Business:** We will discuss the future of the chapter, and the opportunity to volunteer at two events:

- Great Girl Gathering at the Mall of America, celebrating 100 years of Girl Scouting, March 10 & 11, 2012.  
[http://www.gsrv100.org/great\\_girl\\_gathering/](http://www.gsrv100.org/great_girl_gathering/)
- UMCASA/ASA boot in the STEM area outside Nordstrom
- Jolene - manikin for measuring output of earbuds & headphones
- Small demos
- Optional 20 minute presentation(s) to large group
- Possibility of borrowing at least a partial absorptive enclosure? (It will be hard to do acoustic demos in a noisy environment)
- MN High School Science Fair, March  
<http://www.fair.mnmas.org/Volunteers/sfJudges.asp>
- Judge acoustics projects & award prizes
- Monday, March 19, 10:30 - 2:30 (usually takes 1 - 2 hours) at Doubletree by Hilton, Bloomington

**Website:** <http://umcasa.org>      **email:** [umcasa@gmail.com](mailto:umcasa@gmail.com)

**Officers:**

President	Kay Hatlestad	<a href="mailto:Kay@Hatlestads.net">Kay@Hatlestads.net</a>	<a href="tel:651-771-1660">651-771-1660</a>
Vice President	Bruce Olson	<a href="mailto:bcolson@olsonsound.com">bcolson@olsonsound.com</a>	<a href="tel:763-493-5835">763 493-5835</a>
Secretary	open		
Treasurer	Tom Horner	<a href="mailto:ianhorner@aol.com">ianhorner@aol.com</a>	<a href="tel:612-824-2654">612-824-2654</a>
Member-at-large:	Dave Braslau	<a href="mailto:david@braslau.com">david@braslau.com</a>	<a href="tel:612-331-4571">612-331-4571</a>
Webmaster:	Ron Gerdes	<a href="mailto:rwgerdes@yahoo.com">rwgerdes@yahoo.com</a>	<a href="tel:651-737-4277">651-737-4277</a>