

Students from the Livingston Robotics Club Named Eighth Grade National First-Place Team and Win \$32,000 in the U.S. Army's eCYBERMISSION Program

Monday, July 26, 2010

Baltimore, MD., Monday, July 26, 2010 - The U.S. Army, in an effort to promote science, technology, engineering and mathematics (STEM) education, announced today that it has named the four students from the Livingston Robotics Club as the eighth grade, national first-place winning team for the eCYBERMISSION competition. The team, comprised of students Karlin Yeh, Brian Lee, Stanley Cheung and Gage Farestad, and led by Team Advisor John Yeh, was awarded a total of \$32,000 in U.S. EE Savings Bonds this year.

Managed by the U.S. Army Research, Development and Engineering Command (RDECOM) at Aberdeen Proving Ground, Md., the eCYBERMISSION program awarded more than \$1 million this year to students from across the nation and in Department of Defense Education Activity (DoDEA) schools overseas.

eCYBERMISSION is a free, web-based, STEM competition for students in grades six through nine. The eCYBERMISSION competition encourages and rewards students from a diverse range of proficiency levels, interests and backgrounds. Since the program's inception in 2002, eCYBERMISSION has awarded more than \$8.6 million in U.S. EE Savings Bonds in support of the STEM leaders of tomorrow. The program allows students to compete for regional and national awards while working through the scientific method to solve problems in their communities.

The Livingston Robotics Club team, the Landroids, tested the elements necessary to create a device to detect deer on the road for the purpose of decreasing the amount of vehicle-animal collisions. The students conducted a number of indoor and outdoor experiments and tested whether deer fur could absorb certain frequencies from car tire noise. In addition, they also conducted experiments on the passive sonar theory. The students were successful in their tests, drawing them closer to creating their own device, and they hope to continue experimentation in the future.

“We are extremely proud of the students from the Livingston Robotics Club for their creative and innovative use of outstanding research, experimentation and analysis during this year's eCYBERMISSION competition,” said Maj. Gen. Nick G. Justice, commanding general, RDECOM. “Specifically, the National Judges were impressed with the students' creative and innovative approach to a serious problem. The judges liked that the students had a strong understanding of the problem and how they could impact their community with a solution. The

students were also recognized for their original and novel experiments, as well as their use of technology.”

This year, 13,218 students registered for eCYBERMISSION and formed more than 3,300 teams. Since the program’s inception in 2002, more than 71,000 students from across the country and in U.S. territories and DoDEA schools worldwide have participated in the competition.

For more information on the eCYBERMISSION competition or for a complete listing of the 2009-2010 eCYBERMISSION winning teams, contact Rachael Lighty at 1-866-GO-CYBER (462-9237) or visit www.ecybermission.com.

About the U.S. Army RDECOM

RDECOM is the Army's primary source for integrated research, development and engineering capabilities that empower, unburden and protect the Warfighter to enable the dominance of the Army. RDECOM provides the full spectrum of basic research, development, engineering and analysis of Warfighter systems, from concept to capability. RDECOM is headquartered at Aberdeen Proving Ground, Md., with laboratories and research and development centers throughout the country and representatives throughout the world. For more information on RDECOM, visit www.army.mil/rdecom.

About eCYBERMISSION

eCYBERMISSION is a free, web-based, Science, Technology, Engineering and Mathematics (STEM) competition for students in grades six through nine. Sponsored by the U.S. Army and managed by RDECOM, eCYBERMISSION is designed to share the importance of STEM education with the leaders of tomorrow and encourage them to understand the real-life applications of these subjects. Students compete for state and national awards by working in teams to identify a problem in their community and using scientific inquiry to propose a solution. eCYBERMISSION is an Army Educational Outreach Program (www.usaeop.com).

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For more information, please visit www.ecybermission.com or contact eCYBERMISSION Mission Control at 1-866-GO-CYBER (462-9237) or via e-mail at missioncontrol@ecybermission.com.

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