

## Cyber Warfare – Preparation/Action: What Should We Do?

In March of the current year, the United States discovered that Russian forces used web hacking to intercept a surveillance drone over the region of Ukraine. This recent report of warfare via internet creates an entirely new global battlefield. Today's security defenses in regard to Cyber Warfare do not seem to be able to compete with the sophisticated attacks from other nations; the United States military must take action towards this realm because of its lasting impact to the country.

Cyber Warfare involves actions by any nation-state to damage another, and this act is becoming abundantly popular and convenient for the enemy. World-wide conflict within the wireless spectrum creates tragedy in many country's revenues because of the major dependency citizens have on computers. Local residents of the United States are simply not prepared for cyber-attacks, so outdated technology must be dealt with immediately. Private computers as well as large information networks can be affected by these dynamic internet hackings, so military intervention is crucial.

A potential method to stop this web activity comes directly from the amount of education within the United States. This country is fortunate enough to provide thousands of computer science majors at the university level, thus many career paths are becoming distinctly technology-based. Because so many students study the art of computers, the U.S. military can use this for the protection of the country's cyberspace. Modern technology has created a new

battlefield, so a new branch of defense must be created as well. Recently, the United States Army established a ranking of cyberspace operators to span electronic warfare, but a few officers cannot protect the entire global web. A new branch of corps will provide temporary defense for America, but the oncoming technology competitions with other nations need a greater source of security.

In the realm of Cyber Warfare, this country has recognized the need for a new approach, but I believe that the United States has the means to create an entirely new military force for technology alone. Resources in regard to computer sciences and engineering are growing on an exponential level, so the potential for a new force is very possible. The establishment of a “Cyber Army” can secure America’s corporations as well as individual citizens. The need for this new government security area can be achieved efficiently because of the education provided domestically, so all areas of the federal government must act upon their resources to defend this nation entirely from all forms of Cyber Warfare.

**AIR FORCE ASSOCIATION - TEXAS**  
**EARLE NORTH PARKER ESSAY CONTEST**

School Year 2014 – 2015 Entry Form

Name of Participant: Leigh Terrell McBride  
(Please print - First - Middle - Last)

Address: 2212 Clayton Lane, Wichita Falls TX, 716308  
(Please print Street, City, State, Zip Code)

Home Telephone: (940) 781-2030 School/Teacher: S.H. Rider High School

Parent / Guardian Name(s): Linda and Marty McBride

E-Mail Contact for Student: leighmcbride@ou.edu.

**ESSAY TOPIC** - Define and support your position on the following topic:

**Cyber Warfare – Preparation / Action: What Should we Do?**

*(See attached sheet with additional information and data on the topic.)*

**CONTEST RULES:**

- Participants must be a senior in a State of Texas High School (including home-schooled).
- Essays must pertain to the Essay Topic shown above; ensure you read and use attached info.
- Essays must consist of not less than one-and-one-half nor more than two pages.
- Font size will be 12 point and margins will be 1 inch on all sides. Exceeding the limits will penalize or disqualify the entry.
- Reference material will not be included in the essay.
- Essays must be typed, double-spaced, on 8 ½ x 11 inch white paper.
- Participant's name will be typed in the upper right corner of each page of the essay, submitted as part of the contest entry. Pages must be numbered sequentially, at the bottom of each page.
- Essay topic listed above must be typed, centered at the top of page one of the essay, two spaces above the first line of the first paragraph.
- All information required on this form (above) and signature below must be provided.
- Grammar and proper punctuation are expected.
- **Contest entry form and the essay must be postmarked by November 30, 2014.**

**Please return entry form and essay in hard copy and electronic media:**

E-MAIL ENTRY FORM Entry and/or DISK TO:

**Air Force Association – Chapter 416**

P.O. Box 8633

Greenville, TX 75404-8633

Attn: MSgt Ryan Wiebbecke

Email: Ryan.Wiebbecke@us.af.mil

**Prizes: 1<sup>st</sup> Place - \$1000**

**2<sup>nd</sup> Place - \$750**

**3<sup>rd</sup> Place - \$500**

**All participants must sign below:**

The participant above named, hereby grants permission to the Air Force Association - Texas to publish in any publication of its choice, any essay and related materials or information that he or she may submit as an entry in the AFA - Texas, Earle North Parker Essay Contest.

Date: 11/21/14

Signature of Participant: Leigh McBride