



TEXAS TECH UNIVERSITY

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER

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29 January 1999

Admiral E. R. Zumwalt, Jr.
U.S. Navy (Ret.)
1000 Wilson Boulevard, Suite 3105
Arlington, VA 22209-3901

Dear Admiral Zumwalt:

I am forwarding 10 copies of the Executive Summary for the Chemical/Biological Weapons (CBWs) initiative for Dr. Kendall and Lynn Frame.

Sincerely,

A handwritten signature in cursive script that reads "John C. Gooch".

John C. Gooch
TIEHH Staff

EXECUTIVE SUMMARY
A PROGRAM OF COUNTERMEASURES TO CHEMICAL AND BIOLOGICAL AGENTS

The Institute of Environmental and Human Health (TIEHH)
Texas Tech University/Texas Tech University Health Sciences Center
(TTU/TTUHSC)

Overview of White Paper: The attached document is submitted to Admiral Elmo Zumwalt on occasion of his visit to Texas Tech (January 25, 1999), and provides a brief overview of research and facility capabilities related to our purpose and focus, stated below. Following the briefing, and after further consultation with Admiral Zumwalt, a more detailed Statement of Work will follow.

Purpose: To conduct basic and applied research, education, and training to improve civilian defense, and act as a national centralized facility for information and resources in case of an actual bioterrorist attack. TTU/TTUHSC/TIEHH and Reese Center is in a unique position to offer this critical service to the nation.

Focus: Drawing from multiple disciplines and pools of expertise (universities, government, the public sector), develop a working infrastructure for on-site interdisciplinary research and training in countermeasures to CB agents. Goals will be to improve:

- Detection of CB agents
- Understanding of basic biological mechanisms
- Implementation of physical and medical countermeasures for use on a regional/national scale
- Real-time and rapid-time modeling (epidemiological, toxicological, physical), and
- Education and training, with on-site and virtual reality capabilities.

An overall goal will be to integrate environmental and human health issues in the identification and resolution of any perceived CB threat.

Strengths of the Program:

- Centralized geographic location, regionally and nationally
- Year-round operational capability at Reese Center (former airforce pilot-training base) with permanent buildings for on and off-site education, training, and response capability
- State-of-the art facilities for toxicological research at The Institute of Environmental and Human Health
- Integrated University system, including medical and law school
- Strong track record of interdisciplinary work, with universities, government, military, and community groups
- Texas Department of Health and community support
- Secure facility
- Room for development and expansion
- State-of-the-art communication capability for medical and training outreach
- Supercomputer on-site
- Accountability in research with experience in good laboratory practice (GLP) studies