

# Device promises relief for desert soldiers

May 10 2006

---

A U.S. scientist says she has developed a micro-climate system to be placed in soldiers' boots to provide cooling in high temperature locations.

Kent State University Professor of Exercise Physiology Ellen Glickman says heat is one of the deadliest obstacles soldiers face in desert war zones. The gear soldiers wear and carry can contribute 10 additional degrees to the outside temperature, she said -- a dangerously significant increase on, for example, a 95-degree day.

Working in collaboration with the U.S. Army Research Institute of Environmental Medicine, Glickman developed a micro-climate cooling system that features a pump that circulates cold water through coils in the boots, with the ultimate goal of lowering the wearer's core body temperature.

The efficiency of the system will be measured on test subjects this summer on the Kent Campus, about 40 miles southeast of Cleveland.

*Copyright 2006 by United Press International*

Citation: Device promises relief for desert soldiers (2006, May 10) retrieved 19 April 2024 from <https://phys.org/news/2006-05-device-relief-soldiers.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--