



Canyon Area Residents for the Environment, Inc.

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**HIGH RADIATION LEVELS CONFIRMED FOR LOOKOUT MOUNTAIN RESIDENTS
NEAR BROADCAST ANTENNAE TOWERS**

**Summary of National Institute of Health (NIH)/Colorado State University (CSU) Study of
Lookout Mountain Residents Being Published in Environmental Health Journal**

September 27, 2005 (Golden) --- In the first official study to measure radiation amounts on Golden's Lookout Mountain, Colorado State University's Department of Environmental Health confirms that residents closest to the broadcast antennae towers experience high radiation levels: one in four Lookout Mountain residents experience radiation levels far in excess of the levels that the median population experiences. More specifically, those residents living in the same elevation levels as the broadcast antennas have the highest radiation levels.

This finding is the first of a three-part summary being published by CSU concluding a multi-year study examining the effects of long-term radiation on hundreds of Lookout Mountain residents. Researchers plan to publish the study in at least three parts. The first paper, titled "'Radio Frequency Non-Ionizing Radiation in a Community Exposed to Radio and Television Broadcasting", addresses the amount of radiation in the area.

The paper is published online in the Environmental Health Perspectives, a National Institute of Environmental Health Sciences journal. Additional findings are expected to address biological tests conducted on residents studying conditions such as immune function and white blood cell count.

The National Institute of Environmental Health commissioned Colorado State University to examine the effects of long-term exposure to radiation on hundreds of residents of Lookout Mountain. This study follows the Colorado Department of Public Health and the Environment's July 2004 findings that statistically significant elevated numbers of brain tumors exist in residents near the broadcast antennae towers atop Lookout Mountain.

As part of the CSU study, hundreds of residents were selected randomly and agreed to have their bodily functions measured and monitored for three consecutive days. This included wearing a 'watch' and fanny-pack devices that measured sleep patterns, cardiovascular and other vital signs. Participants gave blood samples and collected all urine output during that time period.

Currently there are no FCC STANDARDS designed for long-term radiation exposure.

The present FCC radiation limits are designed to protect only against short-term adverse health effects caused by heating of the body, from sources such as microwaves. Federal health and safety agencies have not yet developed policies concerning possible risk from long-term, nonthermal exposures, such as experienced in the neighborhoods within five miles of the broadcast antennae towers.

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For a complete copy of CSU's paper, go to <http://ehp.niehs.nih.gov/docs/admin/newest.html>, papers dated 9/17-9/24. For additional background, please visit the Canyon Area Residents for the Environment website: **www.c-a-r-e.org**