

in de facto human experimentation and an ever lengthening list of preventable human tragedies.

Although measures to prevent lung cancer among uranium miners were widely known when mining began in the US, AEC negligence resulted in the tragic deaths of hundreds of miners. (Fig.2) The milling of uranium ore leaves two forms of wastes, a liquid, "slime", and a sand, "mine tailings". Improper disposal of "slime" has resulted in human exposure over many years to radioactive food, contaminated 800 times in excess of "permissible" levels. No studies of the exposed population have been performed. The Nuclear Regulatory Commission confirms that the 140 million tons of "tailings" which are still being allowed to contaminate the environment, are 100,000 times more hazardous than previously assumed. Comparing nuclear and coal generated electricity, Pohl finds the cumulative health damage from tailings alone to outway all the hazards of coal use. Eightthousand buildings were built with mine tailings. A study has found increased genetic disease in the offspring of residents of these homes who were exposed to "safe amounts" of radiation.

Weapons testing disperses high level wastes in the environment as fallout. There have been studies of three of the groups exposed to "safe amounts" of fallout: children in Utah, Marshall Islanders, and GIs. All show increased deaths due to malignancy. Gofman estimates that the 400 kg of plutonium placed in the atmosphere by weapons testing will result in one million fatal lung cancers in the Northern Hemisphere, over 30 years.

Two groups exposed to the "safe occupational levels" of radiation, luminous watch dial painters and radiologists, have shown increased rates of malignancy.

The use of "benign" radiation treatment for (1) acne, (2) ringworm of the scalp, (3) thymus enlargement, (4) ankylosing spondilitis, and (5) benign men-