

Scouts have been asked to send in the location, size and condition of the healthiest trees which they find. This information will allow experts to examine the trees and as a first step toward possible reforestation nuts and grafted trees from the most promising will be planted in the experimental orchard at Bell, Md. for further testing. It is expected that arrangements will be made in cooperation with state authorities to give out seedlings from the most resistant trees to scouts to plant on their own camp grounds, so that chestnutting will not become a lost art to the youth of America.

---

#### PHOTO REVEALS PINCH OF HUNGER

Hunger is pain, according to Dr. F. T. Rogers of Baylor University, who has succeeded in taking an X-ray snapshot of his own stomach at the instant when he was experiencing sharp pangs of hunger.

Investigation under Dr. A. J. Carlson of the University of Chicago had proved that the stomach undergoes a violent contraction, lasting nearly a minute, when the gnawing sensation is felt following fasting. This was shown by the insertion into the stomach of a rubber balloon, joined by a tube leading up the gullet to a pressure gauge. At the instant the sinking feeling came on a hungry subject, the pressure rose, indicating the balloon was squeezed as the walls of the stomach flapped together.

Now Dr. Rogers has analyzed the process, using a new X-ray technic which enables him to photograph the air in the stomach and in the balloon lowered into it.

"The hunger contractions differ from the movements of the stomach during digestion," Dr. Rogers explained. "When food is in the stomach, a constriction starts about halfway, and passes downwards, thereby moving the contents along."

"But in the case of a hunger spasm, there is a circular contraction of the lower two-fifths of the stomach, which shrinks like a deflated balloon."

"The photographs reveal that the hungry stomach is drawn upwards, frequently right under the ribs."

The hunger convulsions cease whenever solid or liquid, even water, enters the stomach. This fact complicated the taking of the X-ray pictures, since barium sulphate or bismuth subnitrate, commonly put in the stomach to make it opaque to the X-ray, would also stop the sought-for contractions.

"The hunger contractions are more pronounced in infants than in adults," said Prof. Rogers. "Children cry when they are hungry because they are indeed in pain."

---

Losses in the Florida watermelon crop are being reduced by disinfecting the seed with bichloride of mercury.

---