



Mr. CALLAHAN. The notes or diagrams he makes at his study or laboratory are enlarged on the screen here as he writes. Thus, a new capability will be added to graduate study or training programs through the application of a visual dimension to basic telelecture service.

(The telewriting illustration received in the caucus room in Washington appears on facing page.)

Mr. CALLAHAN. We would like now to use both these communications media to bring you Dr. Laughlin's presentation directly from New York City.

Senator NELSON. Go ahead.

Mr. CALLAHAN. Dr. Laughlin?

**STATEMENT OF DR. JOHN H. LAUGHLIN, ATTENDING PHYSICIST,
MEMORIAL HOSPITAL FOR CANCER & ALLIED DISEASES, NEW
YORK, N.Y.**

Dr. LAUGHLIN. Yes.

Mr. CALLAHAN. We are ready for your presentation.

Dr. LAUGHLIN. Very well.

This particular example pertains to the application of both computers as well as teletype transmission in the field of radiation therapy. One of the major problems in radiation therapy is the use of radiation sources to treat cancer lesions inside the body.

A typical external radiation source, in this particular case one of our linear accelerator X-ray machines, is used to irradiate the patient externally from outside.

Now, one of the major problems facing the radiation therapist is how to localize the radiation dose inside the lesion and decrease the