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## STATEMENT OF DR. ROBERT W. KISTNER, DEPARTMENT OF OBSTETRICS AND GYNECOLOGY, HARVARD MEDICAL SCHOOL

Dr. Kistner. Thank you, Senator Nelson, ladies and gentlemen. First of all, before proceeding-

Senator Nelson. May I interrupt for just a moment. Let's wait until

everybody is in their place so you can be heard.

Go ahead, Doctor.

Dr. Kistner. Thank you.

Before proceeding to read my statement, I would like to make it clear that my work with the pill orginated, not in the field of oral contraception, but in the field of gynelocolgic disease. My original work and the continuation of that work, has been in reference to the development of cancer in the human female and in relationship to the disease processes which might be affected in salutary fashion by the use of the estrogen progesterone. So, from the beginning, I was not interested in this pill as an oral contraceptive agent but as a method for the treatment of female disorders.

And also before reading my statement I would like to say that cancer is not one disease; cancer is a multiplicity of diseases and cancers in the female are a multiplicity of diseases and as far as I know they develop from unknown causes, possibly viral, possibly X-ray, possibly other genetic factors.

As far as the breast and the uterus cancers are concerned, the way  ${
m I}$ feel about estrogen is a little different from the way Hertz feels about it. I do not believe that estrogen is a carcinogen. If one were looking to produce cancer in experimental animals the easiest way wouldn't be with estrogen. There are many better carcinogens.

I feel that cancer develops in the animal and in the human female as a result of a specific carcinogen causing the cancer which is only effective in the milieu of estrogen and if the estrogen is not present that carcinogen will not be effective.

Although the pill was declared safe in 1969 by the advisory committee on obstetrics and gynecology to the Federal Food and Drug