Memo from **JOSHUA LEDERBERG**  To: Diffm EVIII Golf. Director Burend RadidoziafHealth Rodivalle, 22.

SEP 20 1971

Small X-Ray Dosage the genetic inheritance of future generations. NY Times

X-Ray radiation levels lower cells. than previously believed can However, several epidemio-cause genetic damage. However, several epidemio-logical studies suggest that specause genetic damage.

many scientists have maintain-phases of pregnancy.

ed that smaller amounts might also cause genetic damage.

The health agency said Thurs
that at which senetic damage.

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day its warning was based on could result—at 55 millirads. a joint study conducted with This level is commonly transthe American College of Radio-mitted to patients during X-ray logy's Commission on Radiologic examinations.

gonads could adversely affect sary exposure.

Is Reported Capable

Of Genetic Damage

Ny Times

Although no significant has been demonstrated in adults as a result of the low doses incurred in diagnostic radiology, the significant WASHINGTON, Aug. 7—The report said, there is laboratory evidence that even these levels of radiation might affect some

It has been known that X-ray radiation in large amounts can cause genetic damage, and many genetic damage, and many genetic damage, and many genetic damage, and many genetic damage.

Units, Standards and Protection. The report said that failure The study said that sound to limit the X-ray beam to the theoretical considerations sug-size of the film or fluoroscopic gested that even small amounts screen used was the major of radiation exposure to the identifiable cause of unneces-

Is this correctly reported? What does the underlined expression mean?

Is it a garbled attribution of the empirical measurement of the intensity of gonadal irradiation in the population survey(s)? If so, which one; and doesn't such a garble warrant correction by the press?

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