Hermann J. Muller Dies at 76; Discovered Perils of Radiation

By Howard Simons Washington Post Staff Writer

Nobel Prize winner Dr. Hermann J. Muller, 76, the American-born scientist who discovered that radiation can cause hereditary changes, died yestèrday in Bloomington, Ind. He had been hospitalized for several months with a heart condition.

Dr. Muller was small in size, five feet three inches, but large in stature as a scientist. He was one of the world's foremost geneticists.

In addition to his pioneering work on radiation's genetic effects, Dr. Muller also discovered that most mutations changes in the characteristics of plants and animals that can be passed on to their offspring DR. HERMANN J. MULLER ∸are lethal.

And he was a leading exponent of sperm banks-reservoirs of the male sperm cell frozen for use by artificial insemination at a future date.

. Dr. Muller's ideas often were Dispute with AEC controversial. And he, himself, often was at the center of controversy.

Derided Lysenko

kind. After four years at the Geneva. Institute, he sensed the in-Muller left Russia in 1937.

biology for more than two thought otherwise. decades, has since lost favor in On other occasions, Dr. Mul-defend Mr. Muller's point of University of Hawaii.



Russian genetics is recovering genes, the carriers of heredity, So, too, was his sense of wit.

Dr. Muller tangled with the for the discovery. Atomic Energy Commission He went to Russia in 1933 to excessively sensitive and se-thrust often — met with uniwork at the famed Moscow In-cret agency prevented him versal welcome. His sperm pulted American genetics institute of Genetics. At that from delivering a scientific pa-bank proposal, for example, to a leading world position. time, Dr. Muller thought comper at the United Nations At-invited some criticism. It was munism a likely hope for man-loms-for-Peace Conference in his idea, variously expressed Texas where he did his prize-

As one after another of Dr. ject that had taken on enor-zation. nated and damaged Russian atomic testing, the AEC proach to eugenics.

radiation comes from atomic ley's 'Brave New World.'" testing or X-ray machines.

Reduced X-Ray Danger

Indeed, it was largely through Dr. Muller's subsequent efforts as a member of a National Academy of Sciences' committee that the radiation dose from medical the world." X-ray machines has been greatly reduced in the United Columbia "Boy Wonder" States.

ler drew attention of world plications of scientific discov-Russia. But it is only now that biologists by disclosing that ery, was Dr. Muller's mark. from the "charlatan" Lysenko, can be artifically altered by He once said that the evoluas Dr. Muller once tagged him. X-rays. Over the next 20 years tion of his hair was from his landmark research was repeatedly confirmed. In 1946.

friends were sent to Russian full impact of fallout from nu- to some thinkers. And curious- Bloomington. labor camps, he became a bit-clear testing became known. ly, Mr. Muller, who scorned

ler did speak out about the view. One of his former studangers from radiation to dents, geneticist and educator mankind's future. Like most, H. Bentley Glass, for example, if not all geneticists, he never suggests that future developsubscribed to the idea that ments in the control of the there is a tolerable level of reproductive process will go radiation. Rather, for geneti- far beyond sperm banks to cists, any amount of radiation include, ova banks; transplantis potentially harmful to fu-able embryos and even "the ture generations, whether the bottle babies of (Aldous) Hux-

> What Dr. Muller was propounding, says Glass, was the idea that less moral nations might try to create a race of "supermen" through this means and if this were to succeed it would "set a mark like Sputnik to terrify the rest of

Being a cranky conscience It was in 1927 that Dr. Mul-of genetics and the social imbrown to gray to bald.

Dr. Muller was born in New Eighteen years later, in 1955, he received the Nobel Prize York City and was educated at Columbia University where But not all Dr. Muller's he was one of three "boy wonover the crude way the then scientific thrusts - and he ders," who with Nobelist Thomas Hunt Morgan cata-

From Columbia he went to at different times, that the winning research, and from Institute, he sensed the inereasing power of pseudowhat he knew best: "How ous should be collected, and Scotland. Then, back to geneticist Trofim Lysenko. Dr. Radiation Changes the Genet-stored, and then used to per-the United States and Amic Constitution." It was a sub petuate a kind of better civili-herst College. Finally, in 1945 Dr. Muller became a profestiel Muller's bona fide geneticist mous significance once the The idea seemed totalitarian sor at Indiana University in Wa

He is survived by his wife, ter foe of communism and Lysenkoism, which domiter foe of communism and Lysenkoism, which domiter foe of communism and Lysenkoism, which domiter foe of communism and Lysenkoism, which domithe genetic damage from now was attacked for his apter foe of communism and Lysenkoism, which dominot draw conclusions about Germany and Stalinist Russia, fessor of mathematics at the University of Illinois; and a grad daughter, Mrs. K. Moe Hunt, Nonetheless, other persons whose husband teaches at the