der triplicate: Dr. Dwight J. Bufle

Dept. of Physivily 7he Universely

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Professor Szilard

The book you enquired about is now available for consultation in the WHO Library.

2.45 pm.

Miloodie.

Refinements of the Theory - Specialized Vegetative Genes. - It appears likely that there exist genes which are not essential for the functioning of most of the somatic cells of the adult but each of which is essential for the functioning of one particular kind of specialized somatic cell. We shall call these genes "specialized vegetative" genes, and mutant forms of such genes we shall call "specialized faults".

.

On this basis we may then expect that around 50 years of age there may become manifest, in such heterozygotes, symptoms of disease due to the insufficiency of the output of one kind of specialized cell. The inheritance of diseases of this class may be expected to show a marked degree of dominance.

Speaking more generally, we may expect to see in certain heterozygotes, late in life, narrowly circumscribed degenerative phenomena which are caused by specialized faults they have inherited.

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Arrangements for experiments along these lines are now under discussion.

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