

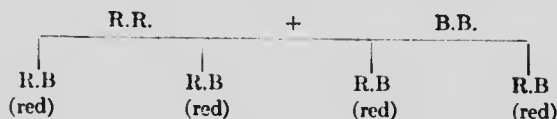
**Mendel's Law  
of Hybrids**

Dr. Eugene Davenport makes an explanation of the action of Mendel's Law of Hybrids that will prove instructive to many breeders. He says:

"When diverse characters are thus brought together two very different results may follow. They may blend into a single new character, in which case our figures show the *proportions within the blood*, or they may remain distinct as two independent characters within the same individual. Stature and size as well as many colours blend freely, but not all characters behave in that simple way. For example, white and black blend freely in the human race, and the offspring of white and negro are mulattoes of various shades, according to the respective infusions; but colours do not blend in pigs, which are either black, white, or spotted, never roan or mulatto. Some colours blend in horses (roan); some do not. Some breeds of cattle have blended colours (Shorthorns); in others, the colours remain distinct (Holstein-Friesian.)

"And so with characters generally. Many will blend and many others will not. When they will not blend, then the appearance is still less a guide to the real hereditary qualities, and under these circumstances it is little or no index to what will happen when the mixture is bred. This fact was long a great stumbling-block to breeders, involving the business of improvement in unfortunate and as we now know, unnecessary mystery."

**Silver Colour Mendelian Recessive to Red** Suppose that a breeder has a silver fox, which, being recessive, always breeds true, and he chooses a pure type of red fox for a mate, being careful in order to secure pureness of type to obtain the red fox from a district where no melanism exists. Let the red fox be denoted by R. R. and the black or silver fox by B. B. (As to results, the sexes are equal in influence.)



All pups are red, but of the bastard type mentioned above, with blacker points,—legs, muzzles and ears. They are really half black, but the colour is hidden or recessive in the first generation, red being dominant.