

Predicts Race of Supermen

Columbia University Professor Explains How Organic Chemistry May Hurry Process of Evolution to Bring Highest Development.

The coming of the superman and the super race may not have to wait for the uncertain processes of evolution taking hundreds of thousands of years, but may be brought about within a few generations through organic chemistry.

A prophecy to this effect, that there would be a "synthetic superman" in the not distant future, was made before the American Chemical society by Prof. Marston T. Bogert of Columbia university.

Organic chemistry, Professor Bogert said, was gradually learning the relationship between certain chemicals and their influence on man's behavior and personality. It was also learning more and more about the chemical constitution of living matter and to synthesize products in which it improves vastly upon nature.

The time must come, therefore, Professor Bogert said, when the chemist would be able to make substances that would greatly increase the thinking powers of the brain, as well as the strength, health and beauty of the body, without having to wait for the hit or miss methods of evolution, which from the human life, with great good will toward the rest of his fellows, "synthetic supermen" like himself.

When that time came, he said, synthetic chemicals would not be used merely for the healing of ills and the correction of nature's errors, but for the positive direction of the forces of life by the intelligence of man.

With the intelligence nature endowed him with he would devise ways to develop greater intelligence, by finding artificial means for utilizing potentialities in his brain power now lying dormant because nature had not provided the means for making it work at full capacity.

While many areas of the brain had been charted and their purpose made known, there were still vast areas, fully half of the human brain, still as unexplored, dark and mysterious as the vast wilderness in the African or South American jungles, said Professor Bogert.

We were now able, he added, to synthesize drugs that had a profound effect not only on the functioning of the body, for good or for evil, but also on the human personality as well. Gradually we were learning the chemical relationships between these substances and bodily activity and were making headway in learning why they produced their results. There was every reason to hope, Professor Bogert said, that chemists would eventually be able to produce substances that would bring out the latent powers of the known and of the now unknown areas in the brain.

Instead of drugs producing stupor, or bringing to the surface qualities of cruelty and violence, we would have drugs that would enhance alertness and intelligence, stimulate spiritual qualities, enable the body to utilize all its latent powers without any after effects and make it possible for man to attain a greater and

keener esthetic enjoyment of his own. Significant steps promising definite results in this direction have been made in the last two years in chemical research laboratories in England, Germany, Switzerland and in the United States. The research had revealed, Professor Bogert reported, that seven substances in nature, all producing different effects, some essential for life while others were very destructive, were all derivatives of one and the same substance, a chemical known as phenanthrine, the molecule of which is composed of 14 atoms of carbon and 10 atoms of hydrogen.

With this phenanthrine as a building block nature had fashioned, Bogert reported, the "sterol" group, minute quantities of which were essential for sustaining animal life, and one of which, ergosterol, was the basis of Vitamin D, the rickets-preventing vitamin; the sex hormones, both male and female, which formed the basis of the theory of rejuvenation and might hold the secret of eternal youth; the important bile acids in the human body, the powerful substances of the digitalis class, so useful in stimulating heart action; the morphine group of opium alkaloids and the recently discovered coal tar substance which produces cancer. — Philadelphia Enquirer.

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Silence Only Tribute Worthy of Yosemite

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The beautiful shock of entering Yosemite valley is enough to silence the most talkative. The tops of the granite peaks shimmer like silver and blush into deep rose and red. Down their great height the Bridal Veil falls toss tulle-like clouds of mist, shot with rainbow colors. The long silver drop of Ribbon falls, the wide plunge of Vernal falls and the powerful rush of Nevada falls, all in

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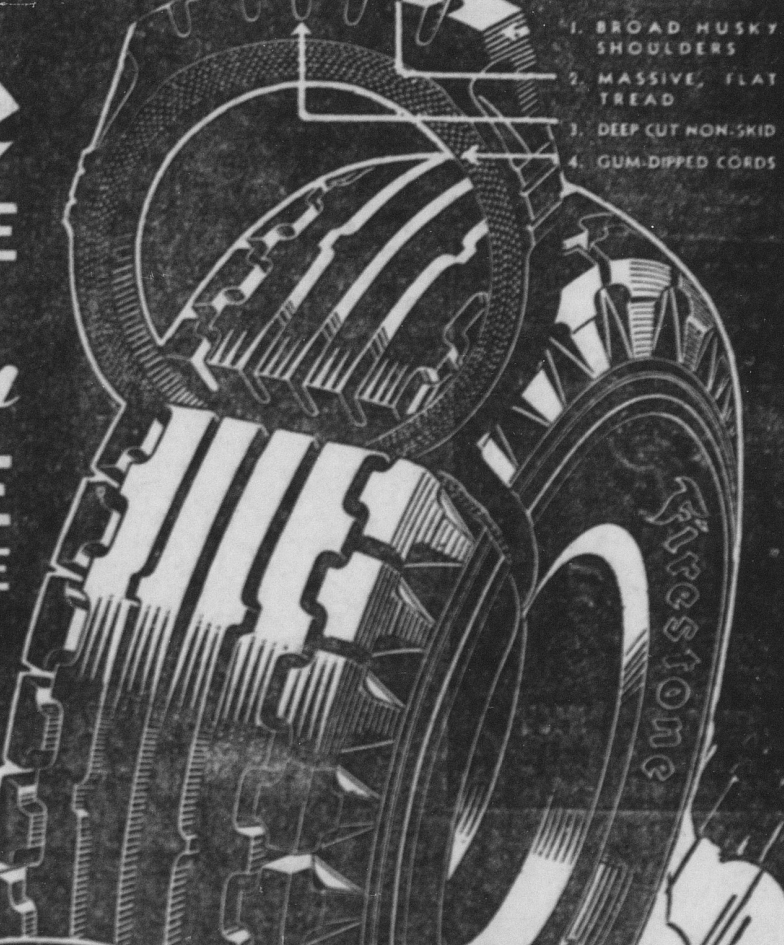
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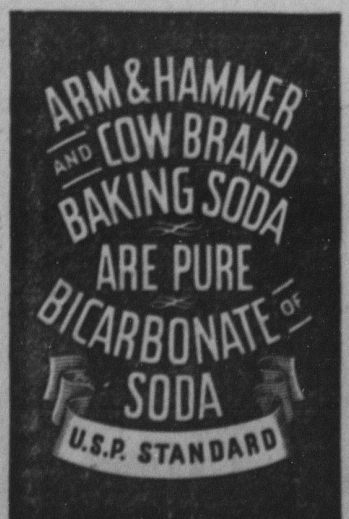
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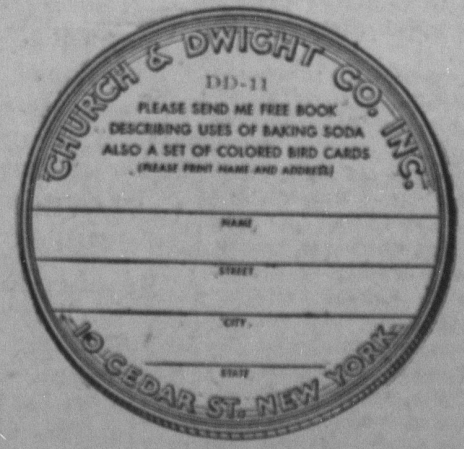


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