tivities. But the last negative accomplishments in his experience, the last developed facuities of his mind, the most susceptible and complex processes in his corebration are the first to go under the influence of the dose of alcohol with which he has hithed his brain centres.

Now give him another dose and watch the progress of the paralyzing process. This does acts first and most upon the centres already suffering, and they consequently suffer still more, and a larger measure of self-restraint is gone. Probably it is nil gone, and every impuise that arises has full sway. But the next series is affected naralytically. iiis knowledge of bis environment is disturbed. lie misinterprets the remarks of his companions. He puts a wrong construction on a perfectly innocent remarks and wants to fight. He calls a paragon of truthfuincss a ilar: He ioses his notion of time and place. He ioses all sense of proportion and enills triends are his vironment. enemics and his enemies his friends. Those regions of his brain that he used in making observations and acquiring knowledge are confused, dis turhed, paraiyzed. All those faculties of his mind concerned with the accurate knowledge of affairs are in a state of paralytic stupefaction.

Repcat the dose. The highest series of hrain cells is still further affected and is now hopelessly paralysed. The second group too is affected and is on the verge of complete temporary paralysis, while the third has yielded to – He the same paralytic influence loses control over the muscles of locomotion. He staggers, heaves, roils and falls, not because his muscles are not there, not because they are functionless, paralyzed or dead, hut hecause the nerve centres which control these muscles are polsoned and paralyzed and fail to transmit the impulse of action to the muscles over which they normaliy preside and with which they are anatomically conneeted. He is now on the floor. Hls heart is heating; his breathing, though irregular, is capable of sustaining life.

He has lost the power to ask for a repetition of the dose, hut, for the purpose of our experiment and the demonstration of the great truth we have cnunciated, let us supply him with another dose and see what happens. If the dose has been largo enough, and this is not an uncommon experience in the catalogue of disasters with which alcohoi is connected, his breathing stops. Another series of brain cells has now heen paralyzed and the second system of brain centres in the order of development, is the second last to yield to the poison. If we listen with a stethoscope we will find that though the breathing has stopped, the heart still beats and continues to beat for an appreciable time before death ends the scene. True to the grim consistency of this alcoholic law, the first developed hrain centre has suffered last.

Acute and Chronic Paralysis

We have been studying the case of acute alcoholic paralysis of hrain centres, that is, the acute case of intoxication spread over hours. Let us examine what happens if more moderate doses of the poison are taken and spread over years. All other ' ngs being equal, acute intoxication lasting for hours is an epitome of chronic intoxication lasting for years. The same selective affinity is manifested by alcohoi over the nerve centres and they suffer to the degree and in the order aiready outlined. But all other things are very seldom equai, and coilaterai diseases of all kinds, and native organic resistance of various degrees, profoundly niter the phenomena of chronic alcoholism. Let us ignore the incidental alcoholic diseases of the various organs and tissues of the body for the meantime, and concentrate our attention on the specific paralyzing effect of alcohoi on the brain centres.

The moderate drinker who tipples regularly, has his nocturnal nightcap and his matutlnal refresher, is subject to the inexorable iaw of aicoholic affinity. Let it he frankly admitted at once that under certain circumstances and with certain people unadulter ted aicohol may he taken at certain times after food and in certain extremely moderate doses without getting into the circulation as alcohol, and without producing the deleterious effects connected with this alcoholic law. This dose may he so small and the digestion so vigorous that the aicohol as such may he fo w: pr Tl ce: cu pro dej dri as

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