Beating in harmony with the sinus proper are the terminations of the great veins leading into the sinus. It is easy to see that their conjoined power, which, so to speak, is the governing propelling force of the whole heart, is greater, *i.e.*, there is a larger wave of contraction, on the right side than on the left. Now, it is to be observed, that in all those cases in which the left vagus, under the influence of a weak current, can arrest the left auricle and perhaps the left part of the sinus and its associated veins, that inasmuch as the right part of the sinus keeps pulsating, sooner or later the left part is overcome; whereas, when the right part is arrested, its wave is so large, its controlling force so great, the left is of itself so weak, that its wave (also weakened) may not be able to pass on to the sinus extension and auricles; moreover, this left part and its veins, as I have often noticed when the heart is dying, ceases to pulsate before the right part of the sinus and its veins. I would then explain the greater effect of the right vagus as a rule by the character of the contraction wave, associated with the right part of the sinus and its associated veins, and by the fact that the nervous supply to this seems to be chiefly from the right vagus, rather than to any deficiency in the kind or number of the inhibitory fibres in the left vagus; both may supply an equal number of such fibres, but if the supply be even partially unilateral, then the results follow as I have endeavoured to explain.

Inasmush as the force of the auricles is very much lessened by vagus stimulation, great weakening of the beat of the sinus may suffice to arrest the auricles and ventricle without complete arrest of the sinus; in such cases, sinus arrest is not the sole cause of the stop of auricles and ventricle, nor absolutely essential to it.

Intracranial Stimulation of the Vagus. —The peculiar inner conformation of the skull of the sea-turtle, and its great thickness and hardness, make examination of the roots of nerves intracranially very difficult. One such examination gave the following results :—

Exp.-Rhythm 5-6.

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