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In the urodeles as two vessels are equal than the flow is proportional to their cross-sectional areas. Unless there is a significant difference in the resistance of the arterial beds led by the external and internal carotids, the blood flow in the external carotid is unlikely to appreciably exceed that in the internal carotid, as the fall of pressure through the deep and complex internal carotid artery is almost certainly greater than that in the external carotid artery. Thus, since the area of the internal carotid artery is not appreciably greater than that of the external carotid artery, it is reasonable to suppose that the flow in the internal carotid artery is not appreciably in excess of that in the external carotid artery. As the cross-section of the internal carotid artery is larger than that of the external carotid artery, the velocity in the internal carotid artery will be as low as 1/1.5th or less of that in the external carotid artery. The significance of this profound slowing of the blood flow in the internal carotid artery is discussed in the text.

A number of references have been given to the literature between the labyrinths in *Bufo marinus* and *Neobatrachus pictus* (Carman 1964; Wislang 1964) and those and other species of the frog and toad of the amphibian labyrinths have been fully reviewed in a recent paper in the journal (Carman 1967).

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