



Fig. 25.—Blood flow diagrams comparing the basic circulation of a generalized pycnogonid with that of a generalized merostome-arachnid. The central nervous system is shown with dark shading. The venous haemocoel is shown with black stippling; the heart, arterial system and gut are unshaded. Red arrows represent the direction of arterial flow (the arterial system is restricted to the perivisceral arterial sinus), and blue arrows represent venous flow. Red stippling represents arterial flow which is perpendicular to the plane of the page. Oval windows above the pycnogonid nerve cord represent perforations in the neurointestinal omentum; oval windows beneath the pycnogonid nerve cord