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We shall present existence and multiplicity results for solutions to nonlinear second order elliptic partial differential equations with a drift term and nonlinear boundary conditions with weights; including the so-called Steklov type problems. Some behavior of the solution set will also be discussed. Since the problem may not have a variational structure, the proofs are based on degree theory and continuation methods with the use of some recent results in geometric analysis. (Received January 28, 2019)