- 1. In twenty-two male impala, plasma testosterone levels have been compared with weights of seminal vesicles and bulbourethral glands.
- 2. The results show that single measurements of circulating testosterone are unrelated to weights of accessory sex glands.
- 3. This finding may be explained if it is assumed that plasma testosterone levels fluctuate more rapidly than the accessory glands can respond.
- 4. In light of this evidence, it seems necessary to modify the view that plasma concentrations of testosterone bear a direct relationship to its physiologic effect on target organs.