

## The Bat's Special Radar Design

If you wake up when it's still dark, you know how overwhelming it can be to turn on the light. Your eyes may even hurt at first. If you've had this experience, you can understand one of the problems that had to be solved when radar was developed.

Basically, radar is made up of two parts. The transmitter sends out a powerful beam of radar waves. But the other part of the radar system is a very sensitive receiver that cannot stand the powerful outgoing signal. One of the major technical problems to be overcome in developing modern radar involved sending out this powerful signal without overwhelming the sensitive receiver. What scientists finally developed was a fast switch that turns the sensitive receiver off every time a radar pulse is sent out.

Bats, who have their own sonic radar, had this problem solved from the beginning. They have muscles in their ears that are the receivers for the echoes. These muscles close the ears for split seconds when the bats are sending out their high-pitched signals.

Without this feature, the bat's navigational system would be useless. How could a bat figure out that it needed this ability and then decide to grow the muscles and related tissue to do the job? When one decides to say that creatures, instead of the Creator, have made themselves, one can end up with some very silly conclusions!

### **Matthew 6:27-29**

**"Which of you by worrying can add one cubit to his stature? So why do you worry about clothing? Consider the lilies of the field, how they grow: they neither toil nor spin; and yet I say to you that even Solomon in all his glory was not arrayed like one of these."**

Prayer: Dear Father; You have made all things well and with the good of the creation in mind. Help me to remember this when I tend to think of Your Word as separated from the realities of everyday life, thereby missing out on so many of the blessings You have prepared for me. In Jesus' Name. Amen.

REF.: Henson, O.W. *Journal of Physiology*.