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BILL BOUGHT A USED RADIO BUT HE NEEDED AN ANTENNA HE WANTED EITHER A DIPOLE OR A VERTICAL A DIPOLE IS A HORIZONTAL ANTENNA A VERTICAL IS A VERTICAL ANTENNA A HORIZONTAL ANTENNA IS DIRECTIONAL AND LESS NOISY THAN A VERTICAL A VERTICAL IS OMNIDIRECTIONAL AND CAN BE MOUNTED ON THE GROUND A DIPOLE NEEDS TO BE MOUNTED OFF THE GROUND BILL CHOSE A VERTICAL BECAUSE HE HAD NO NEARBY TREES