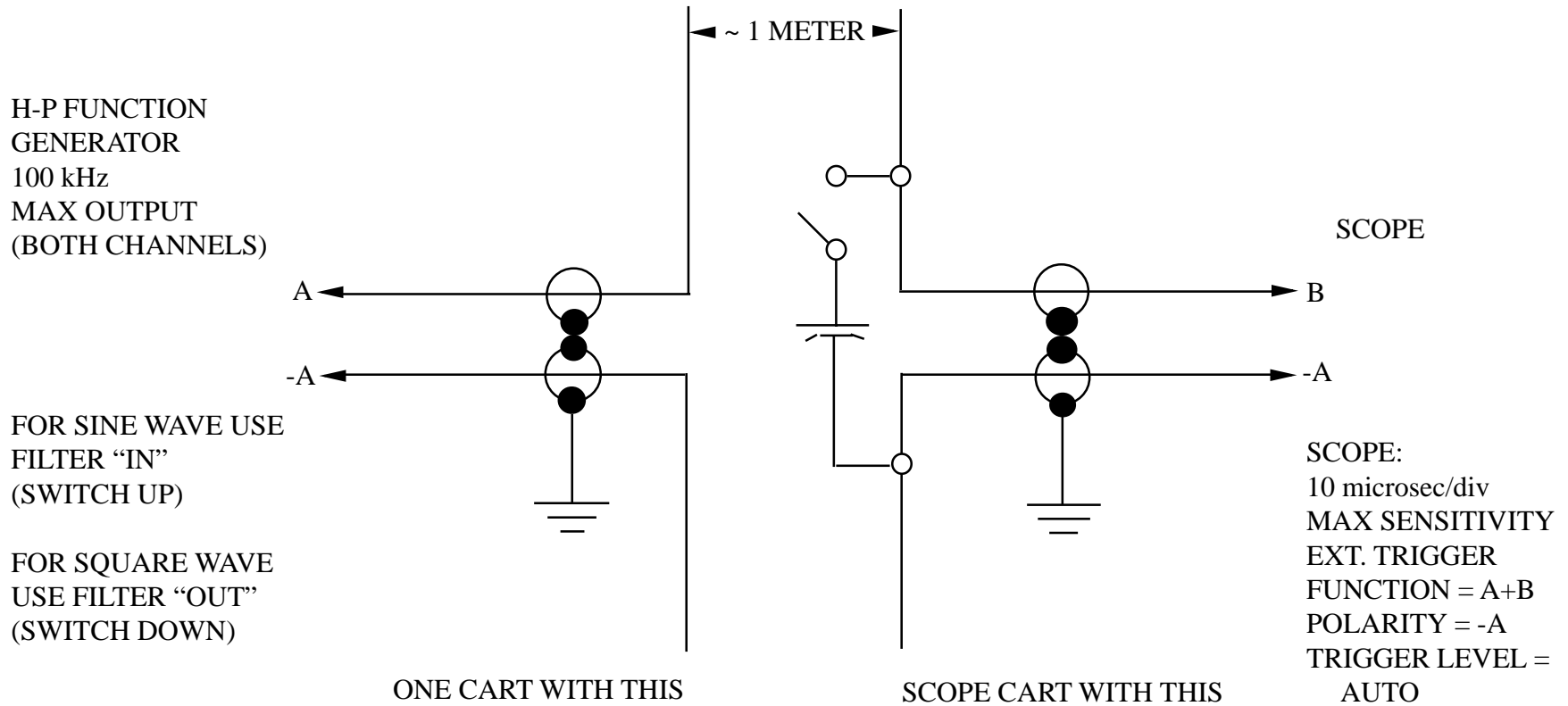


DIPOLE ANTENNAS
5N10.30



POSITION ANTENNAS ABOUT THREE FEET APART AND FACING EACH OTHER IN THE LECTURE HALL PLUG POWER CORD FROM THE FUNCTION GENERATOR INTO SCOPE CART. PLUG EXTRA CABLE FROM POWER GENERATOR INTO **EXT. TRIG** INPUT ON SCOPE. PLUG SCOPE CART INTO WALL. TURN ON POWER TO BOTH SCOPE AND SIGNAL GENERATOR. TO GET CHANGES IN OBSERVED SIGNAL: CHANGE DISTANCE BETWEEN ANTENNAS, TOUCH ANTENNAS, TURN ONE SO THAT IT IS VERTICAL THEN TOUCH AGAIN, TURN FILTER SWITCH TO "OUT", MOVE ALUMINUM PLATE BETWEEN ANTENNAS. NOTE: ANTENNAS ARE FILTERED TO GET RID OF THE 60 CYCLE NOISE. IF THERE IS STILL A SIGNAL WHEN THE ANTENNAS ARE AT RIGHT ANGLES TO EACH OTHER IT CAN BE MINIMIZED BY ADJUSTING THE TWO AMPLITUDE KNOBS ON THE FUNCTION GENERATOR. (NEW SCOPE WILL REQUIRE CHANGES).