The circuit shows a two-transistor noise source. The amount of noise may vary with the transistor used for $Q_2$. You must use ac coupling on the oscilloscope to view the output noise. You may want to see whether the 2N3904 generates more.

Figure 2: An alternate noise source.

$Q_1, Q_2$ 2N4401
$R_1$ 5.6 kohm
$R_2$ 56 kohm
$C_1$ 10 ufd