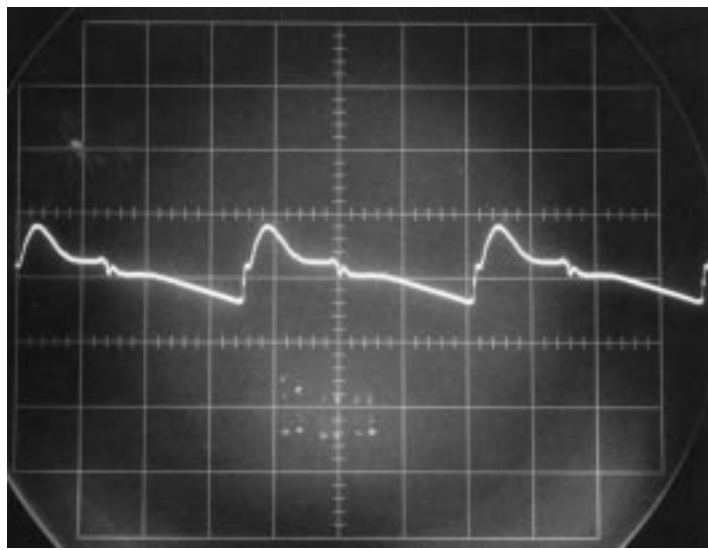


Figure 8

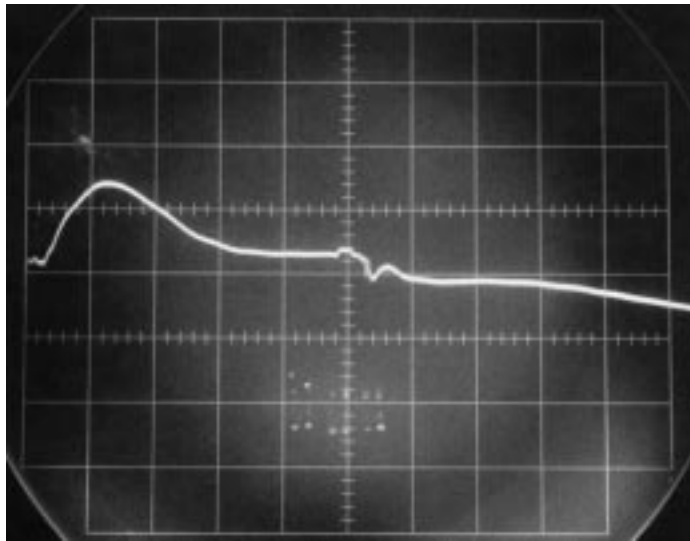
**0.01V/DIV ON
5V DC LEVEL**



(a)

2 μSEC/DIV

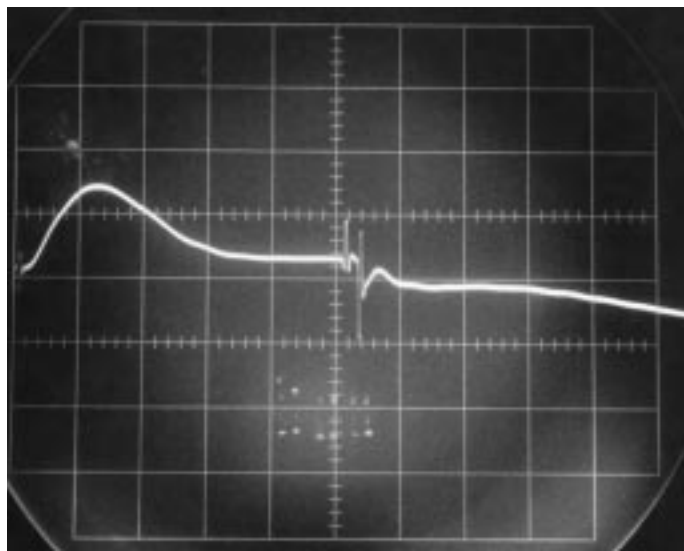
**0.005V/DIV
AC COUPLED**



(b)

500 nSEC/DIV

**0.005V/DIV
AC COUPLED**



(c)

500 nSEC/DIV

With edge slew-rate limiting in use, the “reflected” noise at the 5V input supply due to switching-regulator operation consists of 12 mV p-p of ripple with much lower high-frequency edge-related harmonics (a). A time and amplitude expansion more clearly shows the residual high-frequency content with slew limiting (b). If you disable the slew limiting, the high-frequency harmonic content rises approximately tenfold (c).