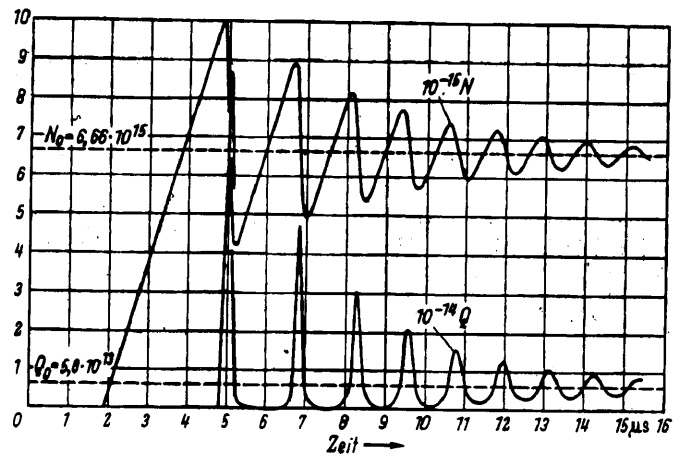
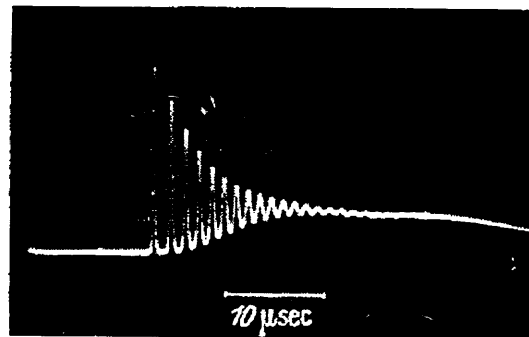
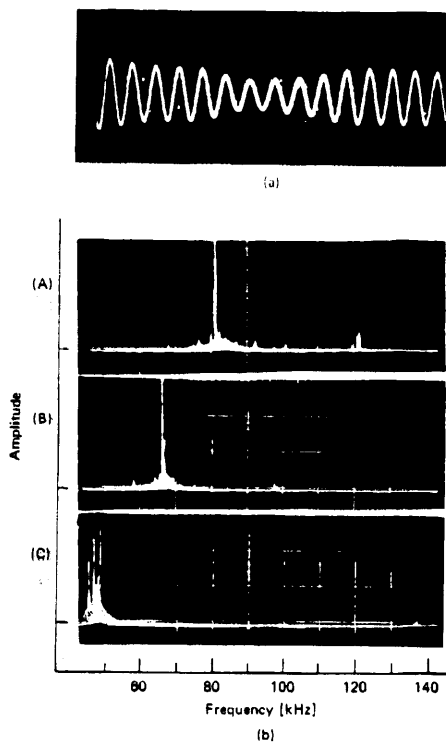


# Relaxační oscilace laseru



Parametry:  $t_c = 1.6 \times 10^{-8}$  s,  $\tau = 5 \times 10^{-3}$  s,  $W_p N_{tot} = 3.5 \times 10^{21}$  s $^{-1}$



CaWO<sub>4</sub>: Nd<sup>3+</sup> LASER

$T_{RO} = 1.2 \mu\text{s}$ ,  $1/\Gamma = 4 \mu\text{s}$

Figure 3.22 Relaxation oscillation of a cw-pumped Nd:YAG laser. (a) Oscilloscope trace showing the temporal behavior of a relaxation oscillation: time scale: 20  $\mu\text{s}/\text{div}$ . (b) Frequency spectrum of relaxation oscillations at different output power levels: (A) 1.3 W, (B) 1.0 W, (C) 0.25 W.