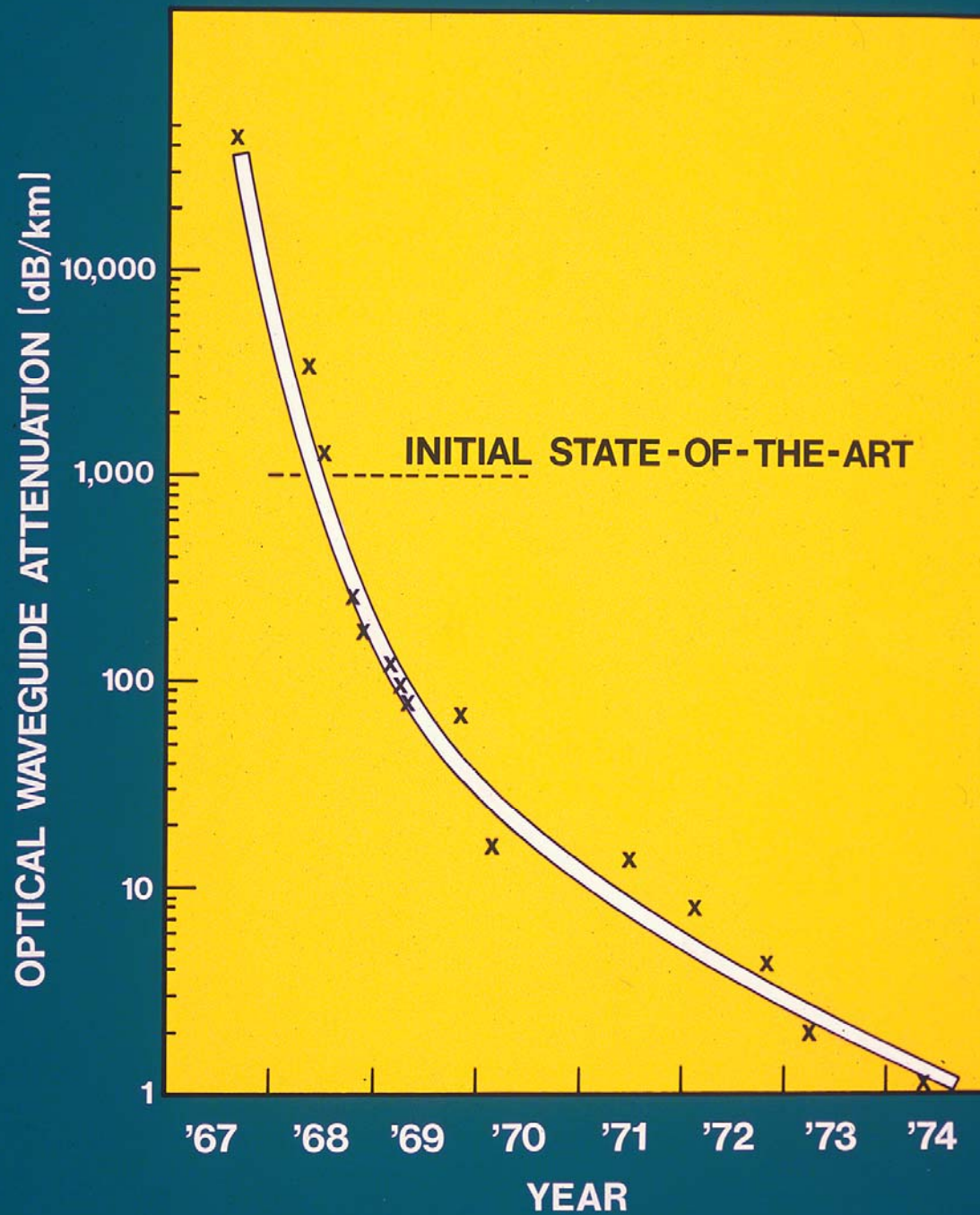
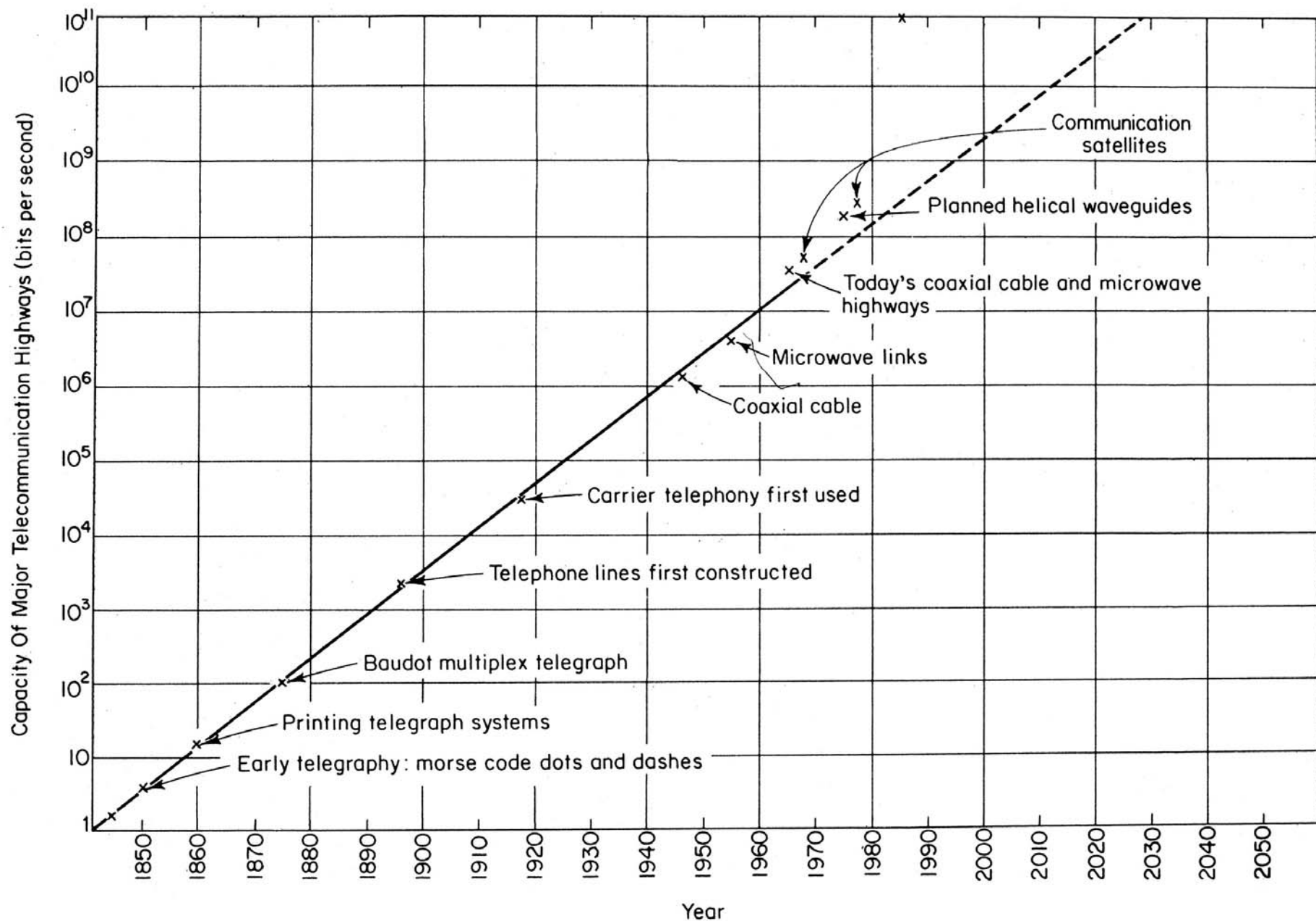
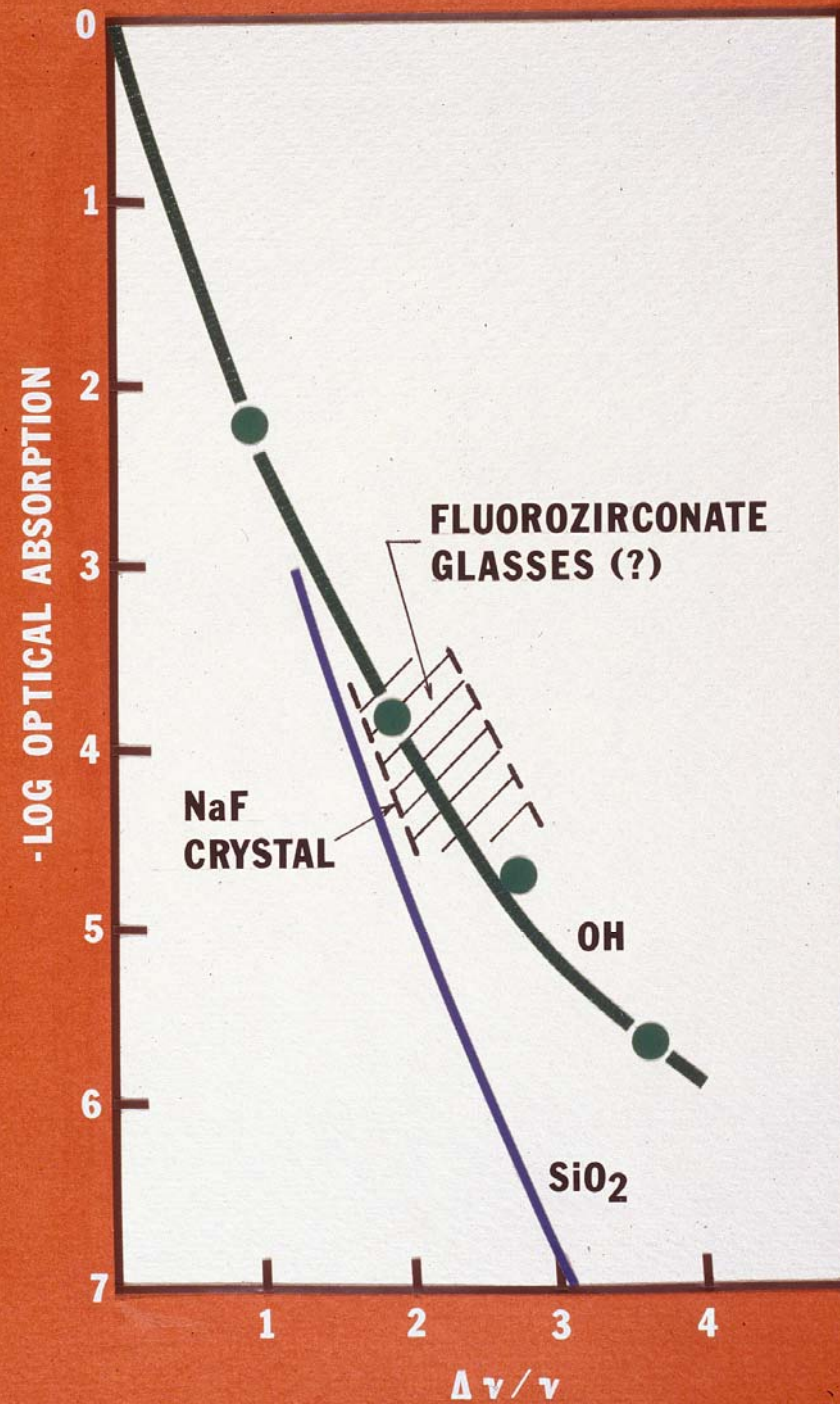


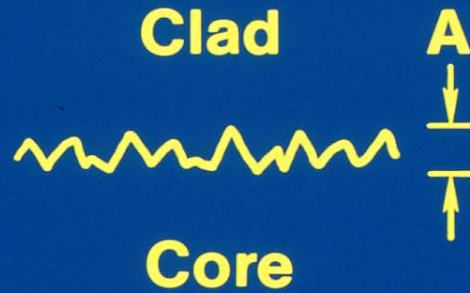
Some Comments on Making The First Communication Fibers







Intrinsic Core-Clad Roughness An Overestimated Problem



$$\overline{A^2} = \frac{kT}{\frac{\partial^2 F}{\partial^2 A}} = \frac{LkT}{n^2 \gamma \pi^3 d}$$

Assume
 $\gamma = 10 \text{ dynes/cm} \longrightarrow \beta_s = 19 \text{ dB/km}$

$$F = U - TS$$

O₂

