

INDICE

C. H. TOWNES - Maser amplification and coherent light. Introduction . . .	pag. VII
Gruppo fotografico dei partecipanti al Corso	fuori testo
A. L. SCHAWLOW - Optically pumped masers and solid-state masers . . .	pag. 1
B. LAX - Infra-red semiconductor lasers	» 17
G. TORALDO DI FRANCIA - Theory of optical resonators	» 53
W. E. LAMB jr. - Theory of optical maser oscillators	» 78
H. HAKEN and H. SAUERMANN - Theory of laser action in solid-state, gaseous and semiconductor systems	» 111
J. P. GORDON - Noise at optical frequencies; information theory	» 156
F. T. ARECCHI - Thermal effects in a He-Ne optical maser	» 182
A. S. GRASIUK and A. N. ORAEVSKIJ - The dynamics of quantum oscillators	» 192
P. CONNES - Fourier-transform spectroscopy	» 198
P. CONNES - High-resolution interferometric spectroscopy	» 207
W. LOW - Ions in crystals	» 216
S. S. YATSIV - Vibronic spectra in gadolinium compounds.	» 241
N. BLOEMBERGEN - Nonlinear optics	» 247
O. KROKHIN - The intensity-dependence of optical absorption in semi- conductors	» 273
O. SVELTO - Photomixing in semiconductors	» 276
A. JAVAN - Stimulated Raman effect	» 284

B. P. STOICHEFF - Stimulated Raman scattering	pag 306
R. Y. CHIAO, E. GARMIRE and C. H. TOWNES - Raman and phonon masers »	326
J. L. EMMETT - High-intensity flash tubes	» 339
J. HAISMA - Some properties of a small gas laser	» 344
Z. BAY and H. S. BOYNE - The use of terahertz photobeats for precise velocity-of-light measurements	» 523