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Nota di contenuto	1. An Overview of Laser Technology -- What are Lasers Used For? -- Lasers in Telecommunications -- Lasers in Research and Medicine -- Lasers in Graphics and Grocery Stores -- Lasers in the Military -- Other Laser Applications -- 2. The Nature of Light -- 7. Energy Distributions and Laser Action -- Boltzmann Distribution -- Population Inversion -- L.A.S.E.R. -- Three-Level and Four-Level Lasers -- Pumping Mechanisms -- 8. Laser Resonators -- Why a Resonator? -- 12. Cavity Dumping and Modelocking -- Cavity Dumping -- Partial Cavity Dumping -- Modelocking - Time Domain -- Modelocking - Frequency Domain -- Applications of Modelocked Lasers -- Types of Modelocked -- 13. Nonlinear Optics -- 16. Fiber Lasers -- Acceptance Angle and Numerical Aperture -- Doping Optical Fibers -- Pumping Fiber Lasers -- Fabricating Optical

Fibers -- Feedback for Fiber Lasers -- High Power Fiber Lasers --
Large-Mode-Area Fibers -- Holey Fibers --

Sommario/riassunto

"This new edition includes a new chapter on fiber lasers, and a
discussion of arrays in the semiconductor chapter. It also includes new
end of chapter problems"--