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Nota di contenuto	J. Lederberg: Viruses and humankind: Intracellular symbiosis and evolutionary competition; S.S. Morse: What do we know about the origins of emerging viruses?; Section I: VIRAL EMERGENICES IN HISTORICAL CONTEXT: W.H. McNeill: Patterns of disease emergence in history; R.G. Webster: Influenza; K.M. Johnson: Emerging viruses in context: an Overview of viral hemorrhagic fevers; Section II: VIRUSES AND THE HOST: R. May: Ecology and evolution of host-virus association; B.N. Fields: Pathogenesis of viral infections; T.E. Shenk: Virus and cell: determinants of tissue trophism; Section III: SEEING THE UNSEEN: METHODS FOR DETECTING NEW VIRUSES: D.D. Richman: Virus detection systems; D. Ward: New technologies for virus detection; Section IV: EMERGING VIRUSES: WHERE THEY COME FROM; R.E. Shope & A.S. Evans: Assessing geographic and transport factors; T.P. Monath:

Arthropod-borne viruses; J. LeDuc, J.E. Childs, G.E. Glass, & A.J. Watson: Hantaan (Korean hemorrhagic fever) and related rodent zoonoses; C.J. Peters: Filoviruses; B. Mahy: Seal plague virus; C.R. Parrish: Canine parvovirus 2, a probable example of interspecies transfer; F. Fenner: Human monkeypox - a newly-discovered human virus disease; M. Houghton: New hepatitis viruses; G. Meyers, J. Lawrence, & K. MacInnes: Phylogentic moments in the AIDS epidemic; Section V: HOW VIRUSES EVOLVE: J. Holland: Replication error, quasispecies populations, and extreme evolution rates of RNA viruses; H.M. Temin: The high rate of retrovirus variation results in rapid evolution; P. Palese: Evolution of influenza and RNA viruses; B. Murphy: Factors restraining emergence of new influenza viruses; J.H. Strauss: Recombination in evolution of RNA viruses; B. Eldridge: Evolutionary relationships of vectors and viruses; Section VI: PROSPECTS FOR THE FUTURE; T. Lovejoy: Global change and epidemiology: nasty synergies; L.J. Legters & E. Takafuji: Are we prepared for a viral epidemic emergency?; D.A. Henderson: Surveillance systems and intergovernmental cooperation; E.D. Kilbourne: Afterword: a personal summary.

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Sommario/riassunto

New epidemics such as AIDS and mad cow disease have dramatized the need to explore the factors underlying rapid viral evolution and emerging viruses. Now available in paperback, this text explores the multifaceted field of virological research.

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