Record Nr. UNINA9910787380803321 To reach the high frontier: a history of U.S. launch vehicles // edited **Titolo** by Roger D. Launius and Dennis R. Jenkins Pubbl/distr/stampa Lexington, Kentucky:,: The University Press of Kentucky,, 2002 ©2002 **ISBN** 0-8131-4807-3 Descrizione fisica 1 online resource (528 p.) Disciplina 629.47/5 Soggetti Launch vehicles (Astronautics) - United States - History Rocketry - United States - History Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di bibliografia Includes bibliographical references and index. Cover; Title; Copyright; Contents; Introduction: Episodes in the Nota di contenuto Evolution of Launch Vehicle Technology; 1. Rocketry and the Origins of Space Flight; 2. Stage-and-a-Half: The Atlas Launch Vehicle; 3. Delta: The Ultimate Thor: 4. Titan: Some Heavy Lifting Required: 5. History and Development of U.S. Small Launch Vehicles; 6. Minuteman and the Development of Solid Rocket Launch Technology; 7. The Biggest of Them All: Reconsidering the Saturn V; 8. Taming Liquid Hydrogen: The Centaur Saga; 9. Broken in Midstride: Space Shuttle as a Launch Vehicle 10. Eclipsed by Tragedy: The Fated Mating of the Shuttle and Centaur11. The Quest for Reusability: 12. Epilogue: ""To the Very Limit of Our Ability"": Reflections on Forty Years of Military-Civil Partnership in Space Launch; Notes on Contributors; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; X; Y; Z Sommario/riassunto Access -- no single word better describes the primary concern of the exploration and development of space. Every participant in space activities -- civil, military, scientific, or commercial -- needs affordable, reliable, frequent, and flexible access to space. To Reach the High Frontier details the histories of the various space access vehicles developed in the United States since the birth of the space age in 1957. Each case study has been written by a specialist knowledgeable about the vehicle described and places each system in

the larger context of the history of spaceflight. The technic