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Titolo	Liberty and conscience [[electronic resource]] : a documentary history of the experiences of conscientious objectors in America through the Civil War // edited by Peter Brock
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Altri autori (Persone)	BrockPeter <1920-2006.>
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Nota di contenuto	Contents; PART I: COLONIAL AMERICA; 1. The First Quaker Conscientious Objectors in America, 1658; 2. Rhode Island, 1673: "None to be compelled to train or fight against their consciences"; 3. Witnessing to the Quaker Peace Testimony; A. Letter to the Governor of New York, 1672; B. From the Minutes of New England Yearly Meeting, 1712; C. Hatsell Okelley, 1748; 4. Quakers and Naval Impressment, 1705; 5. Conscientious Objectors in the French and Indian War; A. From Joshua Evans's Journal, 1756; B. From John Woolman's Journal, 1757 C. Colonel George Washington and the Quaker Conscientious Objectors, 1760D. Virginia Mennonites and the Militia, 1755-1761; PART II: ENGLISH WEST INDIES; 6. Militia "Sufferings" among Quakers; A. Barbados, 1678-1686; B. Jamaica, 1683-1691; 7. Alternative Service and the Quakers of Antigua; PART III: REVOLUTIONARY AMERICA; 8. Quaker Militia Penalties; 9. Dilemmas of a Quaker Tax and Paper Currency Objector; 10. The German Peace Sects of Pennsylvania and the

Draft; 11. A Peace Sect Wrestles with the Problem of Hiring a Substitute; 12. The Conscientious Objection of a Methodist Preacher 13. The Moravian Brethren and WarA. The Pacifism of John Ettwein; B. Moravians and the Draft: An Ambiguous Witness; PART IV: UPPER CANADA; 14. Legislative Exemption for Peace Sects; 15. Quakers and Military Requisitions, 1810-1817; 16. A Quaker Family in the War of 1812; 17. Quaker Conscientious Objectors in Rural Upper Canada, 1840; PART V: THE NEW REPUBLIC TO ANTEBELLUM AMERICA; 18. Continuing Quaker Witness against War, 1801-1824; 19. A Quaker Petition against Militia Conscription, 1810; 20. A Small-Sect Militia Objector; 21. Pleas for Exemption of Nonsectarian Militia Objectors A. From the Massachusetts Peace Society, 1818B. From the New England Nonresistance Society, 1838; 22. William Lloyd Garrison as a Militia Objector, 1829; 23. Should "Pacific Exempts" Pay Militia Fines?; 24. Nonsectarian Militia Objectors in Jail; A. "But do men ever go to prison rather than train?"; B. From Boston's Leverett Street Jail, 1839 and 1840; 25. Dilemmas of Quaker Conscientious Objectors in Antebellum America; A. Militia Fines; B. Imprisonment of Four New York Quakers, Spring 1839; PART VI: CIVIL WAR AMERICA; 26. A Garrisonian Mother and Her Draft-Age Sons 27. William Lloyd Garrison and His Son's Exemption from Military Drill at School28. Conscript Dilemmas at the Hopedale Community; 29. Draft Experiences of a Conscripted Shaker; 30. The Civil War Diary of a Quaker Conscript; 31. Trials of a Quaker Conscientious Objector in the Confederate Army; 32. A Reluctant Conscientious Objector; 33. A Consistent War-Tax Objector; 34. A Mennonite Farmer Hires a Substitute; 35. Brethren and Mennonites as Exiles from the Confederate Draft; 36. Adventists Confront the Draft; 37. A Disciple of Christ Goes the Second Mile; 38. Christadelphians and the Draft

Sommario/riassunto

While objections in the 20th century have been well documented there has been little study of pacifist beliefs in America's early conflicts. This work seeks to remedy this by shedding new light on early US religious and military history.

2. Record Nr.	UNINA9910145422003321
Titolo	DNA interactions with polymers and surfactants [[electronic resource] /] / edited by Rita Dias and Bjorn Lindman
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2008
ISBN	1-281-28527-7 9786611285272 0-470-28636-9 0-470-28635-0
Descrizione fisica	1 online resource (436 p.)
Altri autori (Persone)	LindmanBjorn <1942-> DiasRita
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Soggetti	DNA Polymers Surface active agents
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Nota di contenuto	DNA INTERACTIONS WITH POLYMERS AND SURFACTANTS; CONTENTS; Preface; Contributors; 1 Polyelectrolytes. Physicochemical Aspects and Biological Significance; 1.1 Introduction; 1.2 Polyelectrolytes and Biological Function; 1.3 Electrostatic Interactions; 1.3.1 Ion Distributions and the Poisson-Boltzmann Equation; 1.3.2 Debye-Huckel Theory; 1.4 Solution Properties; 1.5 Flexibility; 1.5.1 The Concept of Persistence Length; 1.5.2 Interactions and the Separation of Length Scales; 1.5.3 Polyelectrolyte Behavior: Electrostatic Persistence Length; 1.5.4 DNA Persistence Length; References 2 Solution Behavior of Nucleic Acids2.1 Biological Function of Nucleic Acids; 2.2 Discovery of DNA; 2.3 Structure of Nucleic Acids; 2.3.1 DNA; 2.3.2 RNA; 2.3.3 Analogues of Nucleic Acids; 2.4 Nuclei Acids Nanostructures; 2.4.1 DNA; 2.4.2 RNA; 2.5 Behavior of DNA in Solution; 2.5.1 Ionization Equilibrium; 2.5.2 Flexibility of Nucleic Acids; 2.6 Melting of Double-Stranded DNA; 2.6.1 Effect of Base Composition; 2.6.2 Effect of Ionic Strength; 2.6.3 Effect of pH; 2.6.4 Dependence on

DNA Chain Length; 2.6.5 Dependence on DNA Concentration; Acknowledgments; References

3 Single DNA Molecules: Compaction and Decomposition 3.1 Introduction; 3.2 Condensation and Compaction of DNA by Surfactants; 3.2.1 Linear DNA Condensation/Compaction by Positively Charged Surfactants; 3.2.2 Compaction of Plasmid DNA with Surfactants; 3.2.3 Non-ionic Surfactants; 3.2.4 Zwitterionic Surfactants; 3.2.5 Decomposition of DNA-Surfactant Complex; 3.3 DNA Condensation by Cationic Liposomes; 3.4 DNA Compaction and Decomposition by Multivalent Cations; 3.5 DNA Compaction by Polycations; 3.6 Compaction of DNA in a Crowded Environment of Neutral Polymer; 3.7 Conclusion; References

4 Interaction of DNA with Surfactants in Solution 4.1 Introduction; 4.1.1 Surfactants; 4.1.2 Polymer-Surfactant Interactions; 4.1.3 Polyelectrolyte-Oppositely Charged Surfactant Interactions; 4.1.4 DNA-Surfactant Interactions; 4.2 DNA-Cationic Surfactant Interactions; 4.2.1 Solution Behavior; 4.2.2 Effect of the Surfactant Chain Length; 4.2.3 Effect of the Surfactant Head-group; 4.2.4 Structure of DNA-Surfactant Complexes; 4.2.5 DNA Is an Amphiphilic Polyelectrolyte; 4.3 DNA Covalent Gels and Their Interaction with Surfactants; 4.4 Applications; 4.4.1 Control of DNA Compaction/Decompaction 4.4.2 Purification 4.4.3 Gene Transfection; Acknowledgments; References; 5 Interaction of DNA with Cationic Polymers; 5.1 Introduction; 5.2 Theory of DNA Interacting with Polycations; 5.2.1 Manning Condensation; 5.2.2 Counterion Release; 5.2.3 Short-Range Attractive Force due to Ion Correlations; 5.2.4 Phase Diagrams of Condensed DNA-Polycation Phases; 5.2.5 Finite-Size Aggregates; 5.3 Condensation of DNA, Phase Diagram, and Structure; 5.3.1 Short Polycations and Multivalent Cations; 5.3.2 Long Polycations and Basic Proteins; 5.4 Formation of Polycation-DNA Complexes: Polyplexes 5.5 DNA-Nanoparticles for Gene Delivery

Sommario/riassunto

A broad overview of the interaction of DNA with surfactants and polymers Due to the potential benefits of biotechnology, interest in the interaction between DNA and surfactants and polymers has become increasingly significant. Now, DNA Interactions with Polymers and Surfactants provides an extensive, up-to-date overview of the subject, giving readers a basis for understanding the factors leading to complexation between DNA and different cosolutes, including metal ions, polyelectrolytes, spermine, spermidine, surfactants and lipids, and proteins. Topical coverage includes:
