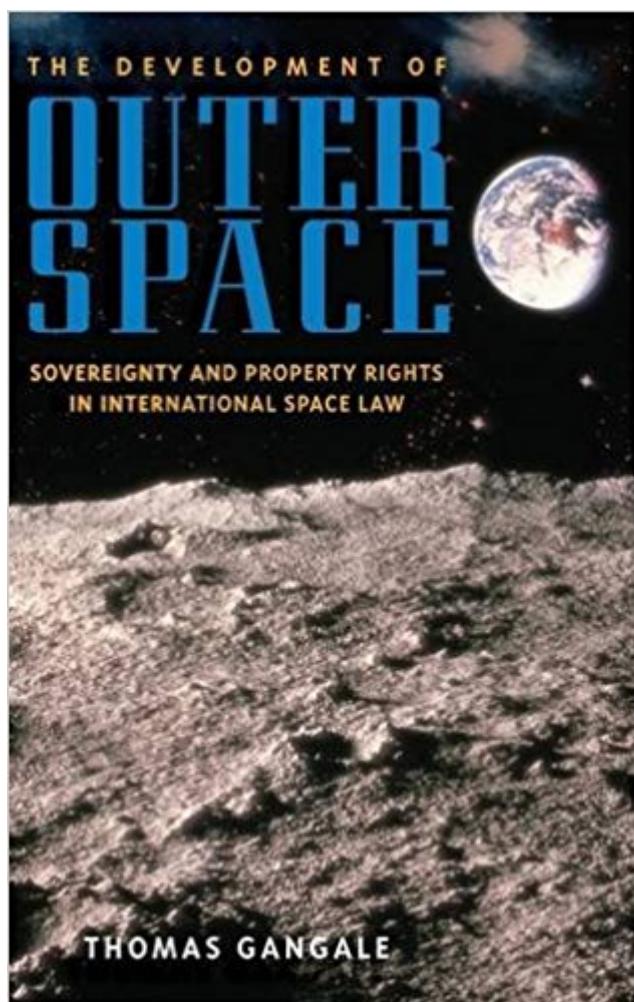


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# The Development Of Outer Space: Sovereignty And Property Rights In International Space Law



## **Synopsis**

This account of the evolution of outer space law examines key issues that fuel the debates over sovereignty and property rights designed to govern the future colonization and use of heavenly bodies other than our own. Includes 15 illustrations

## **Book Information**

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## **Customer Reviews**

". . . a unique niche interest work worth the read for those who are fascinated by the prospects of multiple nations settling human outposts on celestial bodies' off-Earth. . . it certainly is worth the read for anyone having a strong interest in space law and the economic development regimes of the nascent space economy coming rapidly in the 21st Century. To those with the niche interest, I say buy this book. It will make you think." - Spaceports.blogspot.com "Gangale (executive director of OPS-Alaska, an aerospace think tank) examines the legal issues of sovereignty and property that are likely to arise in outer space exploration and discusses how they can be managed by current and possible future international agreements." - Reference & Research Book News

"In this engaging and informative volume, Mr. Gangale deftly guides us through a labyrinth of incomplete and sometimes conflicting space treaties and laws. Lurking within the corridors we find superb statesmen and jurists, earnest advocates, the greedy, and the misinformed. Staying a course between wishful thinking and defeatism he develops a convincing strategy for government, law, technology and private enterprise to join together and successfully apply greater and greater amounts of space-based resources to help solve if not eradicate problems on Earth." (Albert A.

Harrison Professor Emeritus of Psychology University of California, Davis)"In the midst of the second Lunar fever since the Apollo era, comes the book long awaited. Mr. Gangale's book is a death sentence to the all nonsense and misunderstanding about the property rights of the Moon and beyond. Highly scholarly work with the solid facts and analysis, and still fun to read! " (Setsuko Aoki Professor of Policy Management, Keio University)"Thomas Gangale's book is a very contemporary integration and analysis of upcoming legal, political, and diplomatic issues of space exploration in the near- and long-term future. Based on thorough considerations of technological trends, the author is describing for us the current status and outlining the future directions of a balanced civilized approach to space resources exploration and use. Without hesitation I would recommend this book to anyone who is already involved - or just thinking about - career development in the political, social, business and economic areas related to space activity.' " (Vadim Rygalov Assistant Professor, Department of Space Studies, University of North Dakota)"The answer to the question of who shall own the resources of outer space is central to humankind's ongoing and future efforts at settling the extraterrestrial realms. As with many issues, there are two sides of the story, and Thomas Gangale's new book, *The Development of Outer Space: Sovereignty and Property Rights in International Law*, keeps alive the debate on the opportunity of extending or not the system of property rights above the horizon." (Virgiliu Pop, LL.Lic, LL.M Researcher, Romanian Space Agency Author, *Who Owns the Moon?: Extraterrestrial Aspects of Land and Mineral Resources Ownership* and *"Unreal Estate - The Men Who Sold the Moon"*)"Whether you are an advocate or an opponent of the controversial agreement known as the Moon Treaty, or of proposals for the commercial exploitation of solar system resources, Tom Gangale's book will provoke your thinking.' " (Michael A. G. Michaud Author of *Reaching for the High Frontier: The American Pro-Space Movement, 1972-1984*)"Congratulations to Greenwood Publishing Group and author, Thomas Gangale, for the book entitled *The Development of Outer Space: Sovereignty and Property Rights in International Law* because all these words DO WORK TOGETHER." (Declan J. O'Donnell, Esq., Editor, Space Governance Journal)

Overall this is a good introduction to space law and the history behind policy development within the international community. It can serve as a useful starting point before delving further into other works but should not be the sole source used to gain an understanding of space/moon treaties and other associated points of space law. I don't necessarily agree with the author's views on some points but nonetheless, found the book useful and as such, will keep it on my bookshelf for future reference.

Thomas Gangale's recent 2009 book entitled The Development of Outer Space: Sovereignty and Property Rights in International Space Law is a unique niche interest work worth the read for those who are fascinated by the prospects of multiple nations settling human outposts on celestial bodies' off-Earth. Gangale provides critical yet constructive analysis of other international legal commentators on property rights in space. The primary thesis is focused on the premise that technology development is the barrier to outer space development, not the current state of international space law and treaties. The book writer reviews the Moon Treaty at length discussing various aspects of property rights and the theory of "the common heritage of mankind." He takes a critical look of the writings of others in this legal niche and enables the reader to consider an alternative view to other commentators. Gangale is specifically critical of The Space Settlement Prize which seeks to propose American federal legislation requiring the recognition of extraterrestrial real property claims as flawed. Gangale advocates inclusion of China in international space regimes so as to further embed the nation into current space operational legal regimes. He advocates an interplanetary political economy based upon market forces and advocates the adoption of the so-called Regency of United Societies in Space. The author notes that "we have yet to become a true spacefaring civilization; we are merely a space-capable civilization." There is an acceptance of the technocratic model for initial development of outer space. He notes the need for balance between the "technoeconomy-technocracy" dichotomies associated with a push-pull relationship that this reader found an extremely interesting insight on the rapidly growing national space program efforts around the world and within the American civil and commercial space sectors. While this book is not for everyone, it certainly is worth the read for anyone having a strong interest in space law and the economic development regimes of the nascent space economy coming rapidly in the 21st Century. To those with the niche interest, I say buy this book. It will make you think.

[https://www..com/Privatization-Space-Exploration-Business-Technology/dp/1412847567/ref=pd\\_sim\\_14\\_5?\\_encoding=UTF8&pd\\_rd\\_i=1412847567&pd\\_rd\\_r=K6R658VWX840AWB6113G&pd\\_rd\\_w=XXy0N&pd\\_rd\\_wg=FO6lo&psc=1&refRID=K6R658VWX840AWB6113GA](https://www..com/Privatization-Space-Exploration-Business-Technology/dp/1412847567/ref=pd_sim_14_5?_encoding=UTF8&pd_rd_i=1412847567&pd_rd_r=K6R658VWX840AWB6113G&pd_rd_w=XXy0N&pd_rd_wg=FO6lo&psc=1&refRID=K6R658VWX840AWB6113GA) much better book is "The Privatization of Space Exploration", this one didn't hold my interest.

As a prepublication reviewer I found this new book by Tom Gangale informative, interesting and provocative and the published version is a welcome addition to any space enthusiast's library. This

well-organized, authoritative and readable work offers a lucid introduction for readers who are approaching space law for the first time, and helpful integration and commentary for those who are already acquainted with the field. "The Development of Outer Space: Sovereignty and Property Rights in International Space Law" guides readers through a labyrinth of incomplete and sometimes conflicting treaties and laws. It introduces a fascinating cast of characters including superb statesmen and jurists, earnest advocates, visionaries, entrepreneurs, and occasionally the misguided or ill-informed. Much of the material is inherently controversial. His approach is certainly "no nonsense" and he is not the least bit shy about revealing his personal views, but his treatment struck me as fair and even-handed. Staying a course between wishful thinking and defeatism, Mr. Gangale proposes a convincing strategy for government, law, technology and private enterprise to draw-on space based resources to ameliorate if not solve resource problems on Earth.

Thomas Gangale's work on sovereignty and property rights in international space law represents cutting edge scholarship on these topics. While scholarly, the book is imminently readable and witty. I highly recommend this book to readers who wish to understand the history of outer space law, who want to know the inside story on the demise of the Moon Treaty, who anticipate the issues that older launching states will face with newer launching states making headway in space, and who seek to learn the challenges that human groups living and working elsewhere in the solar system will pose to the political economy of the Earth. Gangale's vision foresees a transformation in the ecology of capitalism - a subject bound to generate both heat and light.

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