

## ***Micromega: 3/2018***

"Violence against women undermines women's core fundamental rights such as dignity, access to justice and gender equality. For example, one in three women has experienced physical and/or sexual violence since the age of 15; one in five women has experienced stalking; every second woman has been confronted with one or more forms of sexual harassment. What emerges is a picture of extensive abuse that affects many women's lives but is systematically underreported to the authorities. The scale of violence against women is therefore not reflected by official data. This FRA survey is the first of its kind on violence against women across the 28 Member States of the European Union (EU). It is based on interviews with 42,000 women across the EU, who were asked about their experiences of physical, sexual and psychological violence, including incidents of intimate partner violence ('domestic violence'). The survey also included questions on stalking, sexual harassment, and the role played by new technologies in women's experiences of abuse. In addition, it asked about their experiences of violence in childhood. Based

on the detailed findings, FRA suggests courses of action in different areas that are touched by violence against women and go beyond the narrow confines of criminal law, ranging from employment and health to the medium of new technologies."--Editor.

Synthesizing the findings from a wide range of disciplines – from biology and anthropology to philosophy and linguistics – the emerging field of Biosemiotics explores the highly complex phenomenon of sign processing in living systems. Seeking to advance a naturalistic understanding of the evolution and development of sign-dependent life processes, contemporary biosemiotic theory offers important new conceptual tools for the scientific understanding of mind and meaning, for the development of artificial intelligence, and for the ongoing research into the rich diversity of non-verbal human, animal and biological communication processes. Donald Favareau's *Essential Readings in Biosemiotics* has been designed as a single-source overview of the major works informing this new interdisciplinary, and provides scholarly historical and analytical commentary on each of the texts presented. The first of its kind, this book

constitutes a valuable resource to both bioscientists and to semioticians interested in this emerging new discipline, and can function as a primary textbook for students in biosemiotics, as well. Moreover, because of its inherently interdisciplinary nature and its focus on the 'big questions' of cognition, meaning and evolutionary biology, this volume should be of interest to anyone working in the fields of cognitive science, theoretical biology, philosophy of mind, evolutionary psychology, communication studies or the history and philosophy of science.

This book analyses the evolution of the French model of capitalism in relation to the instability of socio-political compromises. In the 2010s, France was in a situation of systemic crisis, namely, the impossibility for political leadership to find a strategy of institutional change, or more generally a model of capitalism, that could gather sufficient social and political support. This book analyses the various attempts at reforming the French model since the 1980s, when the left tried briefly to orient the French political economy in a social-democratic/socialist direction before changing course and opting

for a more orthodox macroeconomic and structural policy direction. The attempts of governments of the right to implement a radically neo-liberal structural policy also failed in the face of a significant social opposition. The enduring French systemic crisis is the expression of contradictions between the economic policies implemented by the successive left and right governments, and the existence of a dominant, social bloc, that is, a coalition of social groups that would politically support the dominant political strategy. Since 1978, both the right and the left have failed to find a solution to the contradictions between the policies they implemented and the expectations of their respective social bases, which are themselves inhabited by tensions and contradictions that evolve with the structural reforms that gradually transformed French capitalism.

This book posits that national education systems are enhancing socioeconomic inequalities in political engagement. While the democratic ideal is social equality in political engagement, the authors demonstrate that the English education system is recreating and enhancing entrenched democratic inequalities. In Europe, the UK has the strongest correlation between social

background and voting behaviours. Examining the role of the school and the education system in the potential reproduction of these inequalities, the authors draw upon the theories of Bourdieu and Bernstein and compare the English school system to other European countries to analyse barriers that are put along the way to political engagement. In times of political disaffection, frustration and polarisation, it is particularly important to uncover why young people from disadvantaged backgrounds are less likely to engage politically, and to help inspire future generations to use their voice. This timely book will be of interest and value to students and scholars of educational inequality and political engagement.

**Planning with History**

**The Root Canal Anatomy in Permanent Dentition**

**Bringing Our Gifts to the Table**

**Isocracy**

**New Explorations of the Red Planet**

**A Travelogue From China**

**Destination Mars**

Almost all theories of fundamental interactions are nowadays based on the gauge con

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Starting with the historical example of quantum electrodynamics, we have been led to successful unified gauge theory of weak and electromagnetic interactions, and finally to non-abelian gauge theory of strong interactions with the notion of permanently confined quarks. Early theoretical work on gauge theories was devoted to proofs of renormalizability, investigation of short distance behaviour, the discovery of asymptotic freedom, etc. . . . which were accessible to tools extrapolated from renormalised perturbation theory. The current phase of the subject is concerned with the problem of quark confinement which necessitates a non-perturbative understanding of gauge theories. This phase has so far been marked by the introduction of ideas from geometry, topology and statistical mechanics in particular in the study of phase transitions. The 1979 Cargese Institute on "Recent Developments on Gauge Theories" was devoted to a thorough discussion of these non-perturbative, global aspects of non-abelian gauge theories. In the lectures and seminars reproduced in this volume the reader will find detailed reports on most of the important developments of recent times on non-perturbative gauge fields by some of the leading experts and innovators in this field. Aside from lectures on gauge fields proper, there were lectures on gauge field concepts in condensed matter physics and lectures by mathematicians on global aspects of the calculus of variations, its relation to geometry and topology, and related topics.

A comprehensive study of proportional analysis in free speech theory, this book challenges the Supreme Court's categorical approach and helps readers understand the breadth of constitutional issues arising from regulations impacting expression.

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While comparative constitutional law is a well-established field, less attention has been paid far to the comparative dimension of constitutional history. The present volume, edited by Francesco Biagi, Justin O. Frosini and Jason Mazzone, aims to address this shortcoming by bringing focus to comparative constitutional history, which holds considerable promise for engaging and innovative work along several key avenues of inquiry. The essays contained in this volume focus on the origins and design of constitutional governments and the sources that have impacted the ways in which constitutional systems began and developed, the evolution of the principle of separation of powers among branches of government, as well as the origins and function of constitutional and supreme courts.

*The Titius-Bode Law of Planetary Distances: Its History and Theory* is a 15-chapter book that first discusses the prehistory of the Law from Kepler to Kant. The next chapter details the formulation of the Titius-Bode Law. Subsequent chapters describe the Law's early successes and failures, early modifications of the Law, the Blagg-Richardson formulation, and the significance of the Law with respect to the origin of the solar system. Other chapters discuss the various all types that have been proposed to explain the "classical Titius-Bode Law", i.e. the geometric progression.

The Idea of Socialism

The Black Mediterranean

Political Engagement and Citizenship Education in Europe

Catholic Women Speak

Its History and Theory

Anthology and Commentary

Antarctic Microbiology

Emilio Gentile, an internationally renowned authority on fascism and totalitarianism, argues that politics over the past two centuries has often taken on the features of religion, claiming as its own the prerogative of defining the fundamental purpose and meaning of human life. Secular political entities such as the nation, the state, race, class, and the party became the focus of myths, rituals, and commandments and gradually became objects of faith, loyalty, and reverence. Gentile examines this "sacralization of politics," as he defines it, both historically and theoretically, seeking to identify the different ways in which political regimes as diverse as fascism, communism, and liberal democracy have ultimately depended, like religions, on faith, myths, rites, and symbols. Gentile maintains that the sacralization of politics as a modern phenomenon is distinct from the politicization of religion that has arisen from militant religious fundamentalism. Sacralized politics may be democratic, in the form of a civil religion, or it may be totalitarian, in the form of a political religion. Using this conceptual distinction, and moving from America to Europe, and from Africa to Asia, Gentile presents a unique comparative history of civil and political religions from the American and French Revolutions, through nationalism and socialism, democracy and totalitarianism, fascism

and communism, up to the present day. It is also a fascinating book for understanding the sacralization of politics after 9/11.

This edited volume aims to problematise and rethink the contemporary European migrant crisis in the Central Mediterranean through the lens of the Black Mediterranean. Bringing together scholars working in geography, political theory, sociology, and cultural studies, this volume takes the Black Mediterranean as a starting point for asking and answering a set of crucial questions about the racialized production of borders, bodies, and citizenship in contemporary Europe: what is the role of borders in controlling migrant flows from North Africa and the Middle East?; what is the place for black bodies in the Central Mediterranean context?; what is the relevance of the citizenship in reconsidering black subjectivities in Europe? The volume will be divided into three parts. After the introduction, which will provide an overview of the theoretical framework and the individual contributions, Part I focuses on the problem of borders, Part II features essays focused on the body, and Part III is dedicated to citizenship.

This book describes the most commonly methods used for the study of the internal anatomy of teeth and provides a complete review of the literature concerning the current state of research employing contemporary imaging tools such as micro-CT and CBCT, which offer greater accuracy whether using qualitative or quantitative approaches. In order to facilitate the management of complex anatomic anomalies, specific clinical

protocols and valuable practical tips are suggested. In addition, supplementary material consisting in high-quality videos and images of different anatomies obtained using micro-CT technology is made available to the reader. The book was planned and developed in collaboration with an international team comprising world-recognized researchers and experienced clinicians with expertise in the field. It will provide the readers with a thorough understanding of canal morphology and its variations in all groups of teeth, which is a basic prerequisite for the success of endodontic therapy.

Both volumes translated by Jamie Richards.

Animals and Early Modern Identity

An EU-wide Survey : Main Results

Shenzhen

Traversie e opportunità

Life and Death Under Soviet Rule

The Titius-Bode Law of Planetary Distances

Changing the Rules of Democracy

**Guy Delisle's work for a French animation studio requires him to oversee production at various Asian studios on the grim frontiers of free trade. His employer puts him up for months at a time in 'cold and soulless' hotel rooms where he suffers the**

**usual deprivations of a man very far from home. After Pyongyang, his book about the strange society that is North Korea, Delisle turned his attention to Shenzhen, the cold, urban city in Southern China that is sealed off with electric fences and armed guards from the rest of the country. The result is another brilliant graphic novel - funny, scary, utterly original and illuminating.**

**I was inspired by one of my grandsons, Eugene, to write a book after I had assisted him with making one. Being that the last fourteen years I had spent teaching preschoolers, I had viewed and read books on letters. I saw a need to create one with a different and interesting title. I knew you could alter a few letters to create other letters. However, while pondering that idea, I learned that every letter could be altered to create another letter. So the thought about twins come in twos or doubles. That thought led to the title Fraternal Letters. I created the book and thought I would have enjoyed having such a book in my room to teach letter recognition to my three-, four-, and five-year-olds had it been available. I read the book**

**to two grandsons and had a granddaughter read it with positive feedback. That led to the idea of publication.**

**Erotic memoir**

**'The Wright volumes look like an excellent contribution. It makes me realize again how sad it is that he did not leave more than he did. He was such a seminal figure and contributed so much by way of his reflections on science and evolution in particular as well as the role he played in the origins of pragmatism. It will be good to have the essays in one place and to see what is in the letters. Volume 3 also looks good, as it has the best interpreters and critics of the period covered.'**

**--Professor Barbara MacKinnon In an era when American higher education was dominated by theologians and idealists, Chauncey Wright (1830-75) pioneered the cause of natural evolution and scientific empiricism. C. S. Peirce admired Wright's sheer intellect as superior to his own and to that of William James. Charles Darwin respected a mind 'so clear' that he asked him to develop a theory of the genesis of intelligence. Wright's response to this and other challenges solidifies his**

**legacy as the first American philosopher of science. To understand the universe and our place in it, he argues, we must appeal not to theology or 'cosmic' philosophy but to scientific laws of nature. Consciousness is not an occult power, but a tool organisms utilize for adaptability and survival. Philosophy is suited to the moral and aesthetic realm, where Wright anticipates pragmatism in holding that values develop in effective social practices. Regrettably, Wright's brilliance was not vested in his temperament, and his early death at age forty-five leaves a scattering of suggestive essays but no developed system. Still, his ideas have a strikingly modern tone that establishes their relevance to later developments in evolutionary theory, pragmatism, and the philosophy of science. This 3-volume collection gathers Wright's Philosophical Discussions and Letters, each featuring a biographical sketch, with a third, reset volume of reviews and tributes, including contributions by John Fiske, C. S. Peirce, Joseph Blau and Gail Kennedy. The set is edited and introduced by Wright scholar Frank X. Ryan, with an additional**

**introduction by prominent Wright expert Edward H. Madden.**  
**This significant collection: --provides a historical record of the development of scientific thought in America --recovers the central figure in the path from Darwin to American Evolutionism --identifies an important influence upon the foundations of pragmatism --examines a source of contemporary issues in the philosophy of cognition --foreshadows the development of utilitarian, naturalistic and pragmatic ethics in America**

**Evolutionary Theory**

**The Politics of Electoral Reform**

**Animal Languages in the Middle Ages**

**On the Medieval Theory of Signs**

**Bodies, Borders and Citizenship**

**Essential Readings in Biosemiotics**

**Comparative Constitutional History**

Is the reform we have seen in the wake of the pedophilia scandals in the Catholic Church meaningful? Have our conversations about the causes of these scandals delved as deeply as they need to? For those questioning

the relations between hierarchical power, secrecy, and sexuality in institutional religion, Mark D. Jordan's eloquent meditations on what truths about sexuality need to be told in church-and the difficulty of telling any truths-will be a balm and a revelation.

Retraces the history of postmodern philosophy and proposes solutions to overcome its impasses. Philosophical realism has taken a number of different forms, each applied to different topics and set against different forms of idealism and subjectivism. Maurizio Ferraris ' s Manifesto of New Realism takes aim at postmodernism and hermeneutics, arguing against their emphasis on reality as constructed and interpreted. While acknowledging the value of these criticisms of traditional, dogmatic realism, Ferraris insists that the insights of postmodernism have reached a dead end. Calling for the discipline to turn its focus back to truth and the external world, Ferraris ' s manifesto—which sparked lively debate in Italy and beyond—offers a wiser realism with social and political relevance. “ In the new atmosphere of Anglophone continental thought, realism is not just a viable option but is arguably home to the most promising innovations of our time. Ferraris will serve as a welcome new influence. ” — from the Foreword by Graham Harman

## Where To Download Micromega: 3/2018

Biomaterials in Endodontics offers an up-to-date overview of endodontic biomaterials and their applications in regenerative medicine and tissue engineering. This book details the key biomaterials used in clinical endodontics and the benefits and challenges of using these materials, from root canal obturation materials to alloys for endodontic files and hand instruments. Chapters also offer a unique insight into the regenerative applications of endodontic biomaterials, such as the use of stem cells and growth factors for bone regeneration. Biomaterials in Endodontics is a useful resource for researchers working in biomedical engineering, regenerative medicine, and materials science with an interest in dentistry and bone regeneration. This book is also a helpful guide for endodontists, dentists, dental scientists, and clinicians with an interest in biomaterials for endodontics. Details the latest innovations in materials used for endodontic procedures Offers a unique insight into regenerative applications of endodontic biomaterials Appeals to an interdisciplinary readership, combining materials science, regenerative medicine, and biomedical engineering approaches

In the course of the long debate on the nature and the classification of signs, from Boethius to Ockham, there are at least three lines of thought:

the Stoic heritage, that influences Augustine, Abelard, Francis Bacon; the Aristotelian tradition, stemming from the commentaries on "De Interpretatione;" the discussion of the grammarians, from Priscian to the Modistae. Modern interpreters are frequently misled by the fact that the various authors regularly used the same terms. Such a homogeneous terminology, however, covers profound theoretical differences. The aim of these essays is to show that the medieval theory of signs does not represent a unique body of semiotic notions: there are diverse and frequently alternative semiotic theories. This book thus represents an attempt to encourage further research on the still unrecognized variety of the semiotic approaches offered by the medieval philosophies of language.

Telling Truths in Church

Representations of Interspecies Communication

Why Europe Matters

30 Bangs

Man in the Age of Technology

Fraternal Letters

***Critics like to depict the European Union as undemocratic and unpopular, but their arguments are too often based on myths and misunderstandings. This does us all a disservice, and in this period of uncertainty about the future of Europe it is more important than ever that we have a firm grasp of the issues at stake. This powerful new book debunks the misconceptions surrounding the EU and makes a compelling and comprehensive case for the benefits of European integration. It shows how the EU has improved the lives of Europeans in countless ways, and how it has given Europe a powerful presence on the international stage. Guaranteed to illuminate as well as spark debate, this book will appeal to anyone who seeks to better understand what Europe means and why it matters.***

***The idea of socialism has given normative grounding and orientation to the outrage over capitalism for more than 150 years, and yet today it seems to have lost much of its appeal. Despite growing discontent, many would hesitate to invoke socialism when it comes to envisioning life beyond capitalism. How can we explain the rapid decline of this once powerful idea? And what must we do to renew it for the twenty-first century? In this lucid, political-philosophical essay, Axel Honneth argues that the idea of socialism has lost its luster because its theoretical assumptions stem from the industrial era and are no longer convincing in our contemporary post-***

***industrial societies. Only if we manage to replace these assumptions with a concept of history and society that corresponds to our current experiences will we be able to restore confidence in a project whose fundamental idea remains as relevant today as it was a century ago - the idea of an economy that realizes freedom in solidarity. The Idea of Socialism was awarded the Bruno Kreisky Prize for the Political Book of 2015.***

***Graduate textbook examining the theory of the cosmic microwave background and its recent progress.***

***The natural world is infinitely complex and hierarchically structured, with smaller units forming the components of larger systems: genes are components genomes, cells are building blocks of tissues and organs, individuals are members of populations, which, in turn, are parts of species. In the face of such awe inspiring complexity, scientists need tools like the hierarchy theory of evolution, which provides a theoretical framework and an interdisciplinary research program that aims to understand the way complex biological systems work and evolve. The multidisciplinary approach looks at the structure of the myriad intricate interactions across levels of organization that range from molecules to the biosphere. Evolutionary Theory: A Hierarchical Perspective provides an introduction to the theory, which is currently driving a great deal of***

**research in bioinformatics and evolutionary theory. Written by a diverse and renowned group of contributors, and edited by the founder of Hierarchy Theory Niles Eldredge, this work will help make transparent the fundamental patterns driving living systems.**

**The Institutions of Equality**

**The Ukrainian and Russian Notebooks**

**Towards a Renewal**

**The Evolutionary Philosophy of Chauncey Wright**

**Scandal, Flesh, and Christian Speech**

**Urban Heritage Management**

**Violence Against Women**

*Introduces the European Union through the lens of comparative politics. Exercises, case studies and real-world examples facilitate student learning.*

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## Where To Download Micromega: 3/2018

*Antonelli (coordinatore), Pina Sodano e Valeria Rosato Recensioni: Beatrice Catallo*

*This book explores the in-depth relationship between historic-cultural heritage and landscape, urban, and regional planning. It analyzes recent cultural and discipline positions and addresses research to interpret legacy values and the necessity for conservation within the urban setting. It also presents a method that helps urban planners to implement the suggestions, based on extensive knowledge of topographic methods and urban archaeology, to enhance the shaping and planning of the historic and present-day city. A rapid evolution of techniques and methods that provide innovative planning instruments and contribute to conservation projects involving cities and territories is now being witnessed in urban planning. Actors involved in the planning process use an organic and multidisciplinary vision of techniques and methods to understand the relation between the historic-cultural goods and their settlement context. Through urban archaeology it is now possible to orient—in a systematic way—interventions in the historic centers of European cities and document the origin and evolution of the urban shape, to reconcile renewal demand and preservation of ancient heritage.*

*An anthology of essays by women who represent a broad international perspective and come from a variety of personal backgrounds, who believe that the Church cannot come to a wise and informed understanding of family life without listening to women.*

*The Politics of the European Union*

*Mining of Mineral Deposits*

*Recent Developments in Gauge Theories*

*A Theory of Earth's Origin*

*Structural Crisis and Institutional Change in Modern Capitalism*

*Education, Democracy and Inequality*

*Democrazia e Sicurezza - Democracy and Security Review*

***In the last decades coal production capacity has increased rapidly and its quality, power and the reliability of equipment has steadily improved. Moreover, stability of production processes can be controlled better. In connection with that, unification of scientific schools focusing on "Mining of deposits" is an integral trend from the viewpoint of technical and technological policy. This collection of papers represents the scientific and technical achievements with regard to mineral deposits mining intensification based on effective use of modern techniques and technologies. Also, specific attention is paid to progressive and innovational technologies in the coal industry of leading countries. Widening the range of mining-geological conditions under which drivage and maintenance of mining activities are carried out, requires application of new constructive decisions. Hence, this collection of papers is focusing on the following topics: results of new equipment introduction; experiments on mutual interaction of roof support elements, protective construction and near-the-contour rock massif; analytical and calculation methods of geomechanical tasks solution;***

***development of gas hydrates and technologies of underground coal gasification; studies on environment protection; economic aspects; management and marketing in mining production, and other important aspects of mineral deposits exploitation.***

***Elections lie at the heart of democracy, and this book seeks to understand how the rules governing those elections are chosen. Drawing on both broad comparisons and detailed case studies, it focuses upon the electoral rules that govern what sorts of preferences voters can express and how votes translate into seats in a legislature. Through detailed examination of electoral reform politics in four countries (France, Italy, Japan, and New Zealand), Alan Renwick shows how major electoral system changes in established democracies occur through two contrasting types of reform process. Renwick rejects the simple view that electoral systems always straightforwardly reflect the interests of the politicians in power. Politicians' motivations are complex; politicians are sometimes unable to pursue reforms they want; occasionally, they are forced to accept reforms they oppose. The Politics of Electoral Reform shows how voters and reform activists can have real power over electoral reform.***

***This book was originally published in 1949 and consists of four lectures which were delivered at the Academy of Sciences Geophysical Institute in 1948 on the author's hypothesis of the genesis of the Earth and other planets.***

***Democrazia e Sicurezza - Democracy and Security Review 2018, n. 3 Roma TrE-Press***

***Biomaterials in Endodontics***

***Studi su Giambattista Vico nel 350° anniversario della nascita***

***A Hierarchical Perspective***

***Fiscal Politics in the Euro Area***

***Manifesto of New Realism***

***2018, n. 3***

***The Moon: From Inner Worlds to Outer Space***

*Il volume raccoglie una serie di scritti per miscellanee e riviste, interventi in seminari o convegni nazionali e internazionali in occasione dell'anniversario del 2018. Essi danno conto del rinnovato impegno critico-filologico sulla filosofia di Vico con un'idea di fondo, quella di riflettere sull'intreccio di diritto, etica e storia in relazione alle diverse fasi di un pensiero in continua e finanche spasmodica sistemazione: dalla "politicità" delle Orationes alla scoperta del "vero Omero" e del suo "scudo di Achille" nel linguaggio iconico delle Scienze nuove. Il tutto segnalando traversie e opportunità, nate da esperienze assai originali di Vico nelle relazioni con la cultura barocca e quella del suo tempo, a partire dalla frequentazione del cenacolo di Valletta, della cui Biblioteca curò l'inventario nel 1726 per*

*la vendita ai padri Filippini della Congregazione dell'Oratorio di Napoli.*

*Antarctic Microbiology* The extreme climate of Antarctica — its sub-zero temperatures, low humidity, high winds, and extended light and dark periods — has limited scientists in their search for information on microbial communities there and in the surrounding oceans. Most early microbiological research was descriptive and focused on the interactions of microbial communities with physical and chemical parameters. Today, thanks to enormous improvements in technology and logistics, microbiologists can study the functional processes of microbial communities and their biological interactions.

Microbiological research in Antarctica is particularly relevant in light of today's discussions on global climate change. This volume offers an account of the microbial habitats and communities that play significant roles in the ecosystem of the Antarctic continent. *Antarctic Microbiology* demonstrates the explosion of new and exciting research into microbial communities, physiological rate processes, and adaptation of species at the biochemical and molecular level. This text presents new information on: sea-ice microbial processes associated with the pack ice and the ocean photosynthesis, physiology, and adaptation of cryptoendolithic communities in sandstone formations biogeochemical cycling of carbon and nitrogen in unique lake systems in the dry valleys the development of microbial communities in volcanically heated soils the possible existence of ancient microbes in glacial ice biogeochemical cycling of elements in the marine ecosystem around Antarctica. Written by an international group of experts, *Antarctic Microbiology* will be of interest to all microbiologists and ecologists who study the diversity of microorganisms and their marine, freshwater, and terrestrial environments.

In the twentieth century there were two great political and social paradigms, the liberal-democratic and the libertarian (in its various socialist, anarchist, and communist delineations). The central idea of the first approach is isonomy: the exclusion of any discrimination on the basis that legal rights are afforded

*equally to all people. The central idea of the second approach is rather to acknowledge and address a broader spectrum of known inequalities. Such an approach, Bellanca argues, allows the pursuit of pluralism as well as a more realistic and complex view of what equality is. Here he analyzes the main economic and political institutions of an isocratic society, and in so doing, effectively outlines how a utopian society can be structurally and anthropologically realized. This book is ideal reading for an audience interested in the critique of contemporary capitalism through a renewed perspective of democratic socialism and leftist libertarianism. Nicolò Bellanca is Associate Professor of Development Economics at the University of Florence, Italy. He is the author of a broad array of scholarly articles, books and textbooks about both the history of economic thought and development economics. His current research focuses on the theory of institutional change.*

*The essays in this interdisciplinary volume explore language, broadly construed, as part of the continued interrogation of the boundaries of human and nonhuman animals in the Middle Ages. Uniting a diverse set of emerging and established scholars, *Animal Languages* questions the assumed medieval distinction between humans and other animals. The chapters point to the wealth of non-human communicative and discursive forms through which animals function both as vehicles for human meaning and as agents of their own, demonstrating the significance of human and non-human interaction in medieval texts, particularly for engaging with the Other. The book ultimately considers the ramifications of deconstructing the medieval anthropocentric view of language for the broader question of human singularity.*

*Principles, developments, challenges. Volume One*

*French Capitalism in Transition*

*The Cosmic Microwave Background*

*Free Speech in the Balance*

*Politics as Religion*

*The Shaping of One Man's Game from Patient Mouse to Rabid Wolf*

*The Case for the European Union*

*Myths of the moon in the arts and sciences, 50 years after the first manned landing* The moon has long furnished humankind with an artistic icon, an image of longing and object of scientific inquiry. Encompassing art, film, literature, architecture, design, natural history and historical objects, and published on the 50th anniversary of the first manned landing (July 20, 1969), *The Moon* surveys the iconography of the moon, from Romantic landscape paintings to space-age art. It takes the 1969 landing as a thematic fulcrum and a culmination of the deep-rooted cultural conceptions invested in the space race in the 1960s, from David Bowie to Disney. The book also accounts for the science of the moon throughout the ages, from Galileo to NASA, addressing the many lunar myths that have existed throughout time. Also explored here is moonlight, an important theme in the Romantic nocturnal landscapes of Caspar David Friedrich, J.C. Dahl and Carl Julius von Leypold. Another powerful artistic genealogy is

*associated with science fiction, a genre that has on occasion influenced space programs: Jules Verne's From the Earth to the Moon (1865), for instance, famously inspired NASA's Apollo programs. Film pioneers such as Georges Méliès and Fritz Lang created cinematic lunar voyages, and in the 1930s, surrealist artists such as Joseph Cornell, Salvador Dalí and Max Ernst explored the moonlit landscape as psychological allegory. Later, during the Cold War, superpowers on both sides of the Iron Curtain worked closely with artists to orchestrate and interpret the space race: Robert Rauschenberg, for example, was one of eight artists invited by NASA to witness Apollo 11, while artists in the Soviet Union played a central role in building the cult of the cosmonaut. The Moon looks at all these lunar themes and myths, in a thrilling and inspirational gathering for anyone who has felt the moon's pull on their imagination.*

*Animals were everywhere in the early modern period and they impacted, at least in some way, the lives of every kind of early modern person, from the humblest peasant to the greatest prince. Artists made careers based on depicting them. English gentry impoverished themselves spending money on them. Humanists exercised their*

*scholarship writing about them. Pastors saved souls delivering sermons on them. Nobles forged alliances competing with them. Foreigners and indigenes negotiated with one another through trading them. The nexus between animal-human relationships and early modern identity is illuminated in this volume by the latest research of international scholars working on the history of art, literature, and of sixteenth- and seventeenth-century Germany, France, England, Spain, and South Africa. Collectively, these essays investigate how animals - horses, dogs, pigs, hogs, fish, cattle, sheep, birds, rhinoceroses, even sea-monsters and other creatures - served people in Europe, England, the Americas, and Africa to defend, contest or transcend the boundaries of early modern identities. Developments in the methodologies employed by scholars to interrogate the past have opened up an intellectual and discursive space for - and a concomitant recognition of - the study of animals as a topic that significantly elucidates past and present histories. Relevant to a considerable array of disciplines, the study of animals also provides a means to surmount traditional disciplinary boundaries through processes of dynamic interchange and cross-fertilization.*

*This paper provides evidence of fiscal procyclicality, excessive deficits, distorted budget composition and poor compliance with fiscal rules in the euro area. Our analysis relies on real-time data for 19 countries participating in the euro area over 1999–2015. We look for, but do not find, conclusive evidence of bias in procedures in relation to country size. The paper also briefly reviews the literature on political economy factors and policy biases, and offers some reflections on the euro area architecture.*

*In the next decade, NASA, by itself and in collaboration with the European Space Agency, is planning a minimum of four separate missions to Mars. Clearly, exciting times are ahead for Mars exploration. This is an insider's look into the amazing projects now being developed here and abroad to visit the legendary red planet. Drawing on his contacts at NASA and the Jet Propulsion Laboratory, the author provides stunning insights into the history of Mars exploration and the difficulties and dangers of traveling there. After an entertaining survey of the human fascination with Mars over the centuries, the author offers an introduction to the geography, geology, and water processes of the planet. He then briefly describes the many*

*successful missions by NASA and others to that distant world. But failure and frustration also get their due. As the author makes clear, going to Mars is not, and never will be, easy. Later in the book, he describes in detail what each upcoming mission will involve. In the second half of the book, he offers the reader a glimpse inside the world of Earth-based "Mars analogs," places on Earth where scientists are conducting research in hostile environments that are eerily "Martian." Finally, he constructs a probable scenario of a crewed expedition to Mars, so that readers can see how earlier robotic missions and human Earth simulations will fit together. All this is punctuated by numerous firsthand interviews with some of the finest Mars explorers of our day, including Stephen Squyres (Mars Exploration Rover), Bruce Murray (former director of the Jet Propulsion Laboratory), and Peter Smith (chief of the Mars Phoenix Lander and the upcoming OSIRIS-REx missions). These stellar individuals give us an insider's view of the difficulties and rewards of roaming the red planet. The author's infectious enthusiasm and firsthand knowledge of the international space industry combine to make a uniquely appealing and accessible book about Mars.*