

An Introduction To Feminist Philosophy

Many questions arise of an economic nature that are only partially addressed by standard economic analysis. These lacunae give rise to particular lines of critique in economics, including a wide-ranging and increasingly cogent feminist approach to reenvisioning economics. This book provides a comprehensive description of this intriguing new area of feminist economics. It includes discussion of what constitutes feminist economics and how feminist economics is different from other approaches. The intellectual origins of the area are explicated, and the current state of the subfield outlined. Specific topics covered include conflict over terminology, pedagogy, and content in the field of economics, measurement of the unmeasured economy, the role of caring labor in the economy, heteronormativity in economics, feminist approaches to economic development, multiple approaches to empiricism, modeling of intrahousehold relationships, consideration of the role of property rights in reifying gender roles, differential effects of international trade and finance by gender, and feminist approaches to public finance and social welfare.

Feminist Philosophy is a new branch of philosophy that is revolutionizing the way philosophy is being done in many universities and institutes, to dethrone sexist philosophical stereotypes, expand the curriculum of Philosophy to accommodate female philosophers that have been neglected from history, to include the views and philosophical reflections of women and by so doing revise standard philosophical methods to make room for feminist philosophical methods. It is interesting to see that what results from this bold and noble venture is the rise of feminist branches of philosophy, unique in themselves but concerned with unique questions. As well as providing a clear and critical introduction to the theory, this refreshing overview focuses on the practice of feminism with coverage of actions and activism, bringing the subject to life for newcomers as well as offering fresh perspectives for advanced students. Explanations of the main strands to feminism, such as liberalism, sit alongside an exploration of a range of approaches, such as radical, anarchist and Marxist feminism, and provide much-needed context against which more familiar historical themes may be understood. The author's broad and inclusive view conveys the diversity and disagreement within feminism with accessible clarity. The analysis of key terms equips readers with a critical understanding of the vocabulary of feminist debates that will be invaluable to undergraduate students. The Blackwell Guide to Feminist Philosophy is a definitive introduction to the field, consisting of 15 newly-contributed essays that apply philosophical methods and approaches to feminist concerns. Offers a key view of the project of centering women's experience. Includes topics such as feminism and pragmatism, lesbian philosophy, feminist epistemology, and women in the history of philosophy.

Is Feminist Philosophy Philosophy?

Critical Readings

Essential Readings In Theory, Reinterpretation, And Application

Feminist Philosophy of Religion

Think Like a Feminist: The Philosophy Behind the Revolution

The Routledge Handbook of Feminist Philosophy of Science

Charts the development of feminist philosophy as a recognized contributor to intellectual debate, beginning with its origins outside the philosophical establishment in activism, cultural criticism, and social engagement. The fresh approaches of black feminists, lesbian philosophers, American Indian feminists,

and ecological feminists are brought into the dialogue. In addition, Cole surveys feminist criticism of the traditional philosophical problems of metaphysics, epistemology, and ethics. She concludes that neither feminism nor philosophy thrives when viewed as the "property" of specialists or in-groups, but that feminist philosophy is a powerful, vital, and inclusive conversation about the concerns most basic to human beings. Suggestions for further readings at the end of each chapter assist students to explore subjects of interest in more depth.

The Routledge Companion to Feminist Philosophy is an outstanding guide and reference source to the key topics, subjects, thinkers, and debates in feminist philosophy. Fifty-six chapters, written by an international team of contributors specifically for the Companion, are organized into five sections: (1) Engaging the Past; (2) Mind, Body, and World; (3) Knowledge, Language, and Science; (4) Intersections; (5) Ethics, Politics, and Aesthetics. The volume provides a mutually enriching representation of the several philosophical traditions that contribute to feminist philosophy. It also foregrounds issues of global concern and scope; shows how feminist theory meshes with rich theoretical approaches that start from transgender identities, race and ethnicity, sexuality, disabilities, and other axes of identity and oppression; and highlights the interdisciplinarity of feminist philosophy and the ways that it both critiques and contributes to the whole range of subfields within philosophy.

Although their positions and arguments differ in several respects, feminists have asserted that science, knowledge, and rationality cannot be severed from their social, political, and cultural aspects.

This exciting new Handbook offers a comprehensive overview of the contemporary state of the field in feminist philosophy. The editors' introduction and forty-five essays cover feminist critical engagements with philosophy and adjacent scholarly fields, as well as feminist approaches to current debates and crises across the world. Authors cover topics ranging from the ways in which feminist philosophy attends to other systems of oppression, and the gendered, racialized, and classed assumptions embedded in philosophical concepts, to feminist perspectives on prominent subfields of philosophy. The first section contains chapters that explore feminist philosophical engagement with mainstream and marginalized histories and traditions, while the second section parses feminist philosophy's contributions to numerous philosophical subfields, for example metaphysics and bioethics. A third section explores what feminist philosophy can illuminate about crucial moral and political issues of identity, gender, the body, autonomy, prisons, among numerous others. The Handbook concludes with the field's engagement with other theories and movements, including trans studies, queer theory, critical race theory, postcolonial theory, and decolonial theory. The volume provides a rigorous but accessible resource for students and scholars who are interested in feminist philosophy, and how feminist philosophers situate their work in relation to the philosophical mainstream and other disciplines. Above all it aims to showcase the rich diversity

of subject matter, approach, and method among feminist philosophers.

An Introduction to Feminism

Feminism and Philosophy of Science

Feminism and Modern Philosophy

Feminism And Philosophy

The Feminist Philosophy Reader

A Contemporary Introduction

This collection draws together 18 papers on topics in standard areas of traditional analytical philosophy, written from a feminist perspective. It brings out traditional philosophy by challenging it in a constructive, socially critical way that is essential for philosophy's fundamental goal of pursuing truth that matters.

Much of the history of Western ethical thought has revolved around debates about what constitutes a good life, and claims that a good life is achievable only by certain human beings. In *Feminist Philosophies of Life*, feminist, new materialist, posthumanist, and ecofeminist philosophers challenge this tendency, approaching the question of life from alternative perspectives. Signalling the importance of distinctively feminist reflections on matters of shared concern, *Feminist Philosophies of Life* not only exposes the propensity of discourses to normalize and exclude differently abled, racialized, feminized, and gender nonconforming people, it also asks questions about how life is constituted and understood without limiting itself to the human. A collection of articles that focuses on life as an organizing principle for ontology, ethics, and politics, chapters of this study respond to feminist thinkers such as Gloria Anzaldúa, Judith Butler, Adriana Cavarero, Simone de Beauvoir, Luce Irigaray, and Søren Kierkegaard. Divided into three parts, the book debates the question of life in and against the emerging school of new feminist materialism, provides feminist phenomenological and existentialist accounts of life, and focuses on lives marked by a particular precarity such as disability or incarceration, as well as life in the face of a changing climate. Calling for a broader account of lived experience, *Feminist Philosophies of Life* contains persuasive, original, and diverse analyses that address some of the most crucial feminist issues. Contributors include Christine Daigle (Brock University), Shannon Dea (University of Waterloo), Lindsay Eales (University of Alberta), Elizabeth Grosz (Duke University), Lisa Guenther (Vanderbilt University), Lynne Huffer (Emory University), Ada Jaarsma (Mount Royal University), Stephanie Jenkins (Oregon State University), Ladelle McWhorter (University of Richmond), Jane Barter Moulaison (University of Winnipeg), Astrida Neimanis (University of Sydney), Danielle Peers (University of Alberta), Stephen Seely (Rutgers University), Hasana Sharp (McGill University), Chloë Taylor (University of Alberta), Florentien Verhage (Washington and Lee University), Rachel Loewen Walker (Out Saskatoon), and Cynthia Willett (Emory University).

Discovering Feminist Philosophy provides an accessible introduction to the central issues in feminist philosophy. At the same time, it answers current objections to feminism, arguing that in today's world it is as compelling as ever to probe the impact of the dualism of the sexes. This unique book is equal parts survey, viewpoint, and scholarship—ideal for anyone seeking to understand the current and future role of feminist philosophy.

This second edition of *Women, Knowledge, and Reality* continues to exhibit the ways in which feminist philosophers enrich and challenge philosophy. Essays by twenty-five feminist philosophers, seventeen of them new to the second edition, address fundamental issues in philosophical and feminist methods, metaphysics, epistemology, and the philosophies of science, language, religion and mind/body. This second edition

expands the perspectives of women of color, of postmodernism and French feminism, and focuses on the most recent controversies in feminist theory and philosophy. The chapters are organized by traditional fields of philosophy, and include introductions which contrast the ideas of feminist thinkers with traditional philosophers. The collected essays illustrate both the depth and breadth of feminist critiques and the range of contemporary feminist theoretical perspectives.

The Oxford Handbook of Feminist Philosophy

Feminist Epistemology and Philosophy of Science

Liberating Traditions

Power in Knowledge

Analytical Feminist Contributions to Traditional Philosophy

Loose Women, Lecherous Men

Reflecting upon the recent growth of interest in feminist ideas of philosophy of science, this book traces the development of the subject within the confines of feminist philosophy. It is designed to introduce the newcomer to the main ideas that form the subject area with a view to equipping students with all the major arguments and standpoints required to understand this burgeoning area of study. Arranged thematically, the book looks at the spectrum of views that have arisen in the debate. It is broadly arranged into sections dealing with concepts such as the notion of value free-science, values, objectivity, point of view and relativism, but also details the many subsidiary ideas that have sprung from these topics.

Feminist Philosophy of Religion: Critical Readings brings together key new writings in this growing field.

An Introduction to Feminist Philosophy Polity

The classic manifesto of the liberated woman, this book explores every facet of a woman's life.

Pornography and Analytic Feminist Philosophy

Being Born

A Companion to Feminist Philosophy

Out from the Shadows

The Blackwell Guide to Feminist Philosophy

Le Deuxième Sexe

Feminist ethics addresses how power, through gender, affects moral practice and theory. This enterprise is more important than ever before in an age of sharpened attention and concern for feminist issues and injustices. Yet the number of terms which have entered mainstream discussion can quickly overwhelm the novice: intersectionality, gender neutrality, androcentrism. An Invitation to Feminist Ethics offers an easy-to-understand, hospitable approach to the study of feminist moral theory and practice from a renowned ethicist, underscoring its need and the clarifying light it casts on some of the most pressing topics in contemporary society. The work surveys feminist ethical theory, beginning with an explanation of ethics, feminism, and gender before discussing the concepts of discrimination, oppression, gender neutrality, and androcentrism. The work further discusses in-depth intersectionality and microaggressions before examining personal identities and how identities are vulnerable

to oppression, and what can be done about it. The book also includes a helpful overview of three standard moral theories--social contract theory, utilitarianism, and Kantian ethics--and a discussion of their failings from a feminist point of view, followed by introductions to feminist care theory and feminist responsibility ethics. A "close-ups" section explores three social practices--bioethics, violence, and the globalized economy--within which these concepts are applied, and the need for feminist ethics is most urgent.

Feminist Philosophy: An Introduction provides a comprehensive coverage of the core elements of feminist philosophy in the analytical tradition. Part 1 examines the feminist issues and practical problems that confront us as ordinary people. Part 2 examines the recent and historical arguments surrounding the subject area, looking into the theoretical frameworks we use to discuss these issues and applying them to everyday life. With contemporary and lively debates throughout, Elinor Mason provides a rigorous and yet accessible overview of a rich array of topics including: feminism in a global context work and care reproductive rights sex work sexual violence and harassment sexism, oppression, and misogyny intersectionality objectification consent ideology, false consciousness, and adaptive preferences. An outstanding introduction which will equip the reader with a thorough knowledge of the fundamentals of feminism, *Feminist Philosophy* is essential reading for those approaching the subject for the first time.

This collection of eleven new essays contains the latest developments in analytic feminist philosophy on the topic of pornography. While honoring early feminist work on the subject, it aims to go beyond speech act analyses of pornography and to reshape the philosophical discourse that surrounds pornography. A rich feminist literature on pornography has emerged since the 1980s, with Rae Langton's speech act theoretic analysis dominating specifically Anglo-American feminist philosophy on pornography. Despite the predominance of this literature, there remain considerable disagreements and precious little agreement on many key issues: What is pornography? Does pornography (as Langton argues) constitute women's subordination and silencing? Does it objectify women in harmful ways? Is pornography authoritative enough to enact women's subordination? Is speech act theory the best way to approach pornography? Given the deep divergences over these questions, the first goal of this collection is to take stock of extant debates in order to clarify key feminist conceptual and political commitments regarding pornography. This volume further aims to go beyond the prevalent speech-acts approach to pornography, and to highlight novel issues in feminist pornography-debates, including the aesthetics of pornography, trans* identities and racialization in pornography, and putatively feminist pornography. Drawing attention to the vexed relationship between feminist theory and philosophy, *Is Feminist Philosophy Philosophy?* demonstrates the spectrum of significant work being done at this contested boundary. The volume offers clear statements by seventeen distinguished scholars as well as a full range of philosophical approaches; it also presents

feminist philosophers in conversation both as feminists and as philosophers, making the book accessible to a wide audience.

Asian and Feminist Philosophies in Dialogue

Discovering Feminist Philosophy

Modern Feminist Thought

Foucault and Feminist Philosophy of Disability

Birth and Philosophy

*The Routledge Handbook of Feminist Philosophy of Science is a comprehensive resource for feminist thinking about and in the sciences. Its 33 chapters were written exclusively for this Handbook by a group of leading international philosophers as well as scholars in gender studies, women's studies, psychology, economics, and political science. The chapters of the Handbook are organized into four main parts: I. Hidden Figures and Historical Critique II. Theoretical Frameworks III. Key Concepts and Issues IV. Feminist Philosophy of Science in Practice. The chapters in this extensive, fourth part examine the relevance of feminist philosophical thought for a range of scientific and professional disciplines, including biology and biomedical sciences; psychology, cognitive science, and neuroscience; the social sciences; physics; and public policy. The Handbook gives a snapshot of the current state of feminist philosophy of science, allowing students and other newcomers to get up to speed quickly in the subfield and providing a handy reference for many different kinds of researchers. Having enjoyed more than twenty years of development, feminist epistemology and philosophy of science are now thriving fields of inquiry, offering current scholars a rich tradition from which to draw. In addition to a recognition of the power of knowledge itself and its effects on women's lives, a central feature of feminist epistemology and philosophy of science has been the attention they draw to the role of power dynamics within knowledge-seeking practices and the implications of these dynamics for our understandings of knowledge, science, and epistemology. *Feminist Epistemology and Philosophy of Science: Power in Knowledge* collects new works that address today's key challenges for a power-sensitive feminist approach to questions of knowledge and scientific practice. The essays build upon established work in feminist epistemology and philosophy of science, offering new developments in the fields, and representing the broad array of the feminist work now being done and the many ways in which feminists incorporate power dynamics into their analyses. An audacious and accessible guide to feminist philosophy—its origins, its key ideas, and its latest directions. *Think Like a Feminist* is an irreverent yet rigorous primer that unpacks over two hundred years of feminist thought. In a time when the word feminism triggers all sorts of responses, many of them conflicting and misinformed, Professor Carol Hay provides this balanced, clarifying, and inspiring examination of what it truly means to be a feminist today. She takes the reader from conceptual questions of sex, gender, intersectionality, and oppression to the practicalities of talking to children, navigating consent, and fighting for adequate space on public transit, without deviating from her clear, accessible, conversational tone. *Think Like a Feminist* is equally a feminist starter kit and an advanced refresher course, connecting longstanding controversies to today's headlines. *Think Like a Feminist* takes on many of the essential questions that feminism has risen up to answer: Is it nature or nurture that's responsible for our gender roles and identities? How is*

sexism connected to racism, classism, homophobia, transphobia, and other forms of oppression? Who counts as a woman, and who gets to decide? Why have men gotten away with rape and other forms of sexual violence for so long? What responsibility do women themselves bear for maintaining sexism? What, if anything, can we do to make society respond to women's needs and desires? Ferocious, insightful, practical, and unapologetically opinionated, Think Like a Feminist is the perfect book for anyone who wants to understand the continuing effects of misogyny in society. By exploring the philosophy underlying the feminist movement, Carol Hay brings today's feminism into focus, so we can deliberately shape the feminist future.

The past twenty years have seen an explosion of work by feminist philosophers and several surveys of this work have documented the richness of the many different ways of doing feminist philosophy. But this major new anthology is the first broad and inclusive selection of the most important work in this field. There are many unanswered questions about the future of feminist philosophy. Which of the many varieties of feminist philosophy will last, and which will fade away? What kinds of accommodations will be possible with mainstream non-feminist philosophy? Which will separate themselves and flourish on their own? To what extent will feminists change the topics philosophers address? To what extent will they change the very way in which philosophy is done? However these questions are answered, it is clear that feminist philosophy is having and will continue to have a major impact on the discipline of philosophy. This volume is the first to allow the scholar, the student, and other interested readers to sample this diverse literature and to ponder these questions for themselves. Organized around nine traditional 'types' of feminist philosophy, Feminism and Philosophy is an imaginatively edited volume that will stimulate readers to explore many new pathways to understanding. It marks a defining moment in feminist philosophy, and it will be an essential text for philosophers and for feminist theorists in many other fields.

Feminist Philosophy

An Introduction to Feminist Philosophy

Advanced Introduction to Feminist Economics

Gender and Aesthetics

Feminist Philosophies of Life

A General Introduction to Feminist Philosophy

Feminist approaches to art are extremely influential and widely studied across a variety of disciplines, including art theory, cultural and visual studies, and philosophy. Gender and Aesthetics is an introduction to the major theories and thinkers within art and aesthetics from a philosophical perspective, carefully introducing and examining the role that gender plays in forming ideas about art. It is ideal for anyone coming to the topic for the first time. Organized thematically, the book introduces in clear language the most important topics within feminist aesthetics: Why were there so few women painters? Art, pleasure and beauty Music, literature and painting The role of gender in taste and food What is art and who is an artist? Disgust and the sublime. Each chapter discusses important topics and thinkers within art and examines the role gender plays in our understanding of them. These topics include creativity, genius and the appreciation of art, and thinkers from Plato, Kant, and Hume to Luce Irigaray

and Julia Kristeva. Also included in the book are illustrations from Gauguin and Hogarth to Cindy Sherman and Nancy Spero to clarify and help introduce often difficult concepts. Each chapter concludes with a summary and further reading and there is an extensive annotated bibliography. Carolyn Korsmeyer's style is refreshing and accessible, making the book suitable for students of philosophy, gender studies, visual studies and art theory, as well as anyone interested in the impact of gender on theories of art.

Feminist economists have demonstrated that interrogating hierarchies based on gender, ethnicity, class and nation results in an economics that is biased and more faithful to empirical evidence than are mainstream accounts. This rigorous and comprehensive book examines many of the central philosophical questions and themes in feminist economics including · History of economics · Feminist science studies · Identity and agency · Caring labor · Postcolonialism and postmodernism With contributions from such leading figures as Nancy Folbre, Julie Nelson and Sandra Harding, *Toward a Feminist Theory of Economics* looks set to become the book on feminist economics for some time to come and will be greatly appreciated by all those interested in gender studies, economic methodology and social theory.

From the historical roots of second-wave feminism to current debates about feminist theory and politics. This introduction to Anglo-American feminist thought provides a critical and panoramic survey of dominant trends in feminism since 1968. Feminism is too often considered a monolithic movement, consisting of an enormous range of women and ideologies, with both similar and different perspectives and approaches. The book is divided into two parts, the first of which takes a close look at the most influential strands of feminism: liberal feminism, Marxist/socialist feminism, radical feminism, lesbian feminism, and black feminism. In later chapters, Whelehan ties these complexities of, and conflicts within, feminism. The role and relationship of men to feminism, and feminism's often thorny relationship to postmodernism, are also the subject of chapter length treatment. Concluding with a provocative discussion of the much-heralded advent of post-feminism and the rise of the new feminist superstars such as Camille Paglia, Naomi Wolf, Susan Faludi, and Katie Roiphe, *Modern Feminist Thought* is an ideal text for students and a book no feminist teacher or activist should be without.

The author discusses methods for mediating the tensions among apparently irreconcilable feminist perspectives on women's sexuality and shows how a feminist epistemology and ethic can advance the dialogue in women's sexuality across a broad political spectrum.

Beyond Speech

An Invitation to Feminist Ethics

Knowledge, Ethics, Politics

The Routledge Companion to Feminist Philosophy

Toward a Feminist Philosophy of Economics

Explorations in Feminist Philosophy

Addresses misrepresentations of Foucault's work within feminist philosophy and disability studies offering a new feminist philosophy of disability

This is the first book to offer a systematic account of feminist philosophy as a distinctive field of philosophy. The book introduces key issues and debates in feminist philosophy including: the nature of sex, gender, and the body; the relation between gender, sexuality, and sexual difference; whether there is anything that all women have in common; and the nature of birth and its centrality to human existence. An Introduction to Feminist Philosophy shows how feminist thinking on these and related topics has developed since the 1960s. The book also explains how feminist philosophy relates to many forms of feminist politics. The book provides clear, succinct and readable accounts of key feminist thinkers including de Beauvoir, Butler, Gilligan, Irigaray, and MacKinnon. The book also introduces other thinkers who have influenced feminist philosophy including Arendt, Foucault, Freud, and Lacan. Accessible in approach, this book is ideal for students and researchers interested in feminist philosophy, feminist theory, women's studies, and political theory. It will also appeal to a general reader.

In this collection of original essays, international scholars put Asian traditions, such as Hinduism, Buddhism, Daoism, and Confucianism, into conversation with one or more contemporary feminist philosophies, founding a new mode of inquiry that attends to diverse voices and the complex relationships that define our world. These cross-cultural meditations focus on the liberation of persons from suffering, oppression, illusion, harmful conventions and desires, and other impediments to full personhood by deploying a methodology that traverses multiple philosophical styles, historical texts, and frames of reference. Hailing from the discipline of philosophy in addition to Asian, gender, and religious studies, the contributors offer a fresh take on the classic concerns of free will, consciousness, knowledge, objectivity, sexual difference, embodiment, selfhood, the state, morality, and hermeneutics. One of the first anthologies to embody the practice of feminist comparative philosophy, this collection creatively and effectively engages with global, cultural, and gender differences within the realms of scholarly inquiry and theory construction.

A feminist approach towards the history of philosophy and the theories of Hume, Rousseau, Descartes, Lock, Anne Conway, Kant.

Studies in Feminist Philosophy

Feminist Philosophy in Latin America and Spain

A Feminist Philosophy of Sex

An Introduction to Feminist Epistemologies

Philosophy of Feminist Criticism

Feminist Theory and the Philosophies of Man

This book demonstrates the vast range of philosophical approaches, regional issues and problems, perspectives, and historical and theoretical frameworks that together constitute feminist philosophy in Latin America and Spain. It makes available to English-Speaking readers recent feminist thought in Latin America and Spain to facilitate dialogue among Latin American, North American, and European thinkers.

First published in 1990. Routledge is an imprint of Taylor & Francis, an information company.

Including over 50 newly-commissioned survey articles, this outstanding volume represents the first truly comprehensive guide to feminist philosophy.

The most comprehensive anthology of feminist philosophy available, this first edition reader brings together over 55 of the most influential and time-tested works to have been published in the field of feminist philosophy. Featuring perspectives from across the philosophical spectrum, and from an array of different cultural vantage points, it displays the incredible range, diversity, and depth of feminist writing on fundamental issues, from the early second wave to the present.

An Introduction

Women, Knowledge, and Reality

From the Second Wave to \Post-Feminism

All human beings are born and all human beings die. In these two ways we are finite: our lives begin and our lives come to an end. Historically philosophers have concentrated attention on our mortality—and comparatively little has been said about being born and how it shapes our existence. Alison Stone sets out to overcome this oversight by providing a systematic philosophical account of how being born shapes our condition as human beings. Drawing on both feminist philosophy and existentialist concerns about the structure of meaningful human existence, Stone offers an original perspective on human existence. She explores how human existence is shaped by the way that we are born. Taking natality into account transforms our view of human existence and illuminates how many of its aspects are connected with our birth. These aspects include dependency, the relationality of the self, vulnerability, reception and inheritance of culture and history, embeddedness in social power, situatedness, and radical contingency. Considering natality also sheds new light on anxiety, mortality, and the temporality of human life. This book therefore bears on death and the meaning of life, as well as many debates in feminist and continental philosophy. Are we in a post-feminist era? Has the term, feminist, grown out of its resisted stance? What from today's standpoint is an appropriate concept of feminist philosophy? And is it not the case that all people thinking democratically must share its central concern? In this book internationally acclaimed philosopher Herta Nagl-Docekal discusses and critiques the theories of today. Her study ranges across philosophical anthropology, aesthetics, philosophy of science, the critique of reason, political theory, and philosophy of law. Continually confronting the persistent problem of the hierarchical relations of the sexes, Nagl-Docekal affirms the importance of feminist thought as she presses for effective approaches to common problems.