

The Bakken Goes Boom Oil And The Changing Geographies Of Western North Dakota

Many factors set oil and gas apart from other industries and make unique demands on its human resource management, including its global nature, the importance of safety, the involvement of governments, proactive stakeholders, a multifaceted workforce, and project focus. *Managing Human Resources in the Oil & Gas Industry* provides an in-depth look at human resource management for all aspects of the oil and gas sector. The authors provide a full picture of human resource management and its role in staffing, training, performance management, compensation, and labor. This book is relevant to all human resource management department employees and all managers in the oil and gas industry and is suitable for workshops, seminars, and courses in human resource management in the oil and gas industry. This book will help: Show how the oil and gas industry differs substantially from other industries and discusses the implications of these differences for managing human resources Guide managers in the oil and gas sector on how to better manage their employees Describe numerous ways to foster a safety culture Show how effective management of

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human resources can improve project success
Explain ways to deal effectively with the complexities of globalization Provide a detailed analysis of addressing the concerns of various stakeholders through good management of human resources
Explain how human resources will recruit and train the next wave of industry workers and leaders during the “Great Crew Change”

From the critically-acclaimed author of *Shelter*, an unflinching portrayal of a woman trying to come to terms with the ghosts of her past and the tortured realities of a deeply divided America. Elinor Hanson, a forty-something former model, is struggling to reinvent herself as a freelance writer when she receives an unexpected assignment. Her mentor from grad school offers her a chance to write for a prestigious magazine about the Bakken oil boom in North Dakota. Elinor grew up near the Bakken, raised by an overbearing father and a distant Korean mother who met and married when he was stationed overseas. After decades away from home, Elinor returns to a landscape she hardly recognizes, overrun by tens of thousands of newcomers. Surrounded by roughnecks seeking their fortunes in oil and long-time residents worried about their changing community, Elinor experiences a profound sense of alienation and grief. She rages at the unrelenting male gaze, the locals who still see her as a foreigner, and the memories of her family’s

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estrangement after her mother decided to escape her unhappy marriage, leaving Elinor and her sister behind. The longer she pursues this potentially career-altering assignment, the more her past intertwines with the story she's trying to tell, revealing disturbing new realities that will forever change her and the way she looks at the world. With spare and graceful prose, Jung Yun's *O Beautiful* presents an immersive portrait of a community rife with tensions and competing interests, and one woman's attempts to reconcile her anger with her love of a beautiful, but troubled land.

In 2008, the Bakken went boom. Thanks to advances in hydraulic fracturing, oil production in western North Dakota exploded. As the price of oil went up, so did the oil rigs. People came from all over the country (and the world) in search of work, and cities and towns struggled to keep up. This book is about the challenges they faced. It is about the human dimensions of the boom, as told by artists, poets, journalists, and scholars. It captures the boom at its peak, before the price of oil fell and the boom went bust. It sheds light on the impact of oil on local communities that, until now, had not attracted much interest from the outside world. And it shows how North Dakotans, both old and new, have found ways to address the challenges they face in a turbulent, changing environment.

Atlas of Material Worlds is a highly designed

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narrative atlas illustrating the agency of nonliving materials with unique, ubiquitous, and often hidden influence on our daily lives. Employing new materialism as a jumping-off point, it examines the increasingly blurry lines between the organic and inorganic, engaging the following questions: What roles do nonliving materials play? Might a closer examination of those roles reveal an undeniable agency we have long overlooked or disregarded? If so, does this material agency change our understanding of the social structures, ecologies, economies, cosmologies, technologies, and landscapes that surround us? And, perhaps most importantly, why does material agency matter? This is the story of the world's driest nonpolar desert, pink flamingos, and cerulean blue lithium ponds; industrial shipping logistics, pudding-like jiggling substrates, and monuments of mud; galactic bodies, radioactive sheep, and the yellowcake of uranium. Put simply, this book dares readers to see the world anew, from material up. Atlas of Material Worlds offers this new relationship to our host environment in a time of mounting crises—accelerating climate change, ballooning socioeconomic inequality, and rising toxic nationalism—uniquely telling materialist stories for practitioners and students in landscape, architecture, and other built environment disciplines. In Yellow Earth, the site of Three Nations reservations on the banks of the Missouri River in

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North Dakota, Sayles introduces us to Harleigh Killdeer, chairman of the Tribal Business Council. “An activist in his way, a product of the Casino Era,” Killdeer, who is contracted by oil firm Case and Crosby, spearheads the new Three Nations Petroleum Company. What follows, with characteristic lyrical dexterity, insight, and wit, introduces us to a memorable cast of characters, weaving together narratives of competing worlds through masterful storytelling. Set shortly before Standing Rock would become a symbol of historic proportions of the brutal confrontation between native resistance and the forces of big business and law enforcement, the fate of Yellow Earth serves as a parable for our times.

PULITZER PRIZE FINALIST • The gripping true story of a murder on an Indian reservation, and the unforgettable Arikara woman who becomes obsessed with solving it—an urgent work of literary journalism. “I don’t know a more complicated, original protagonist in literature than Lissa Yellow Bird, or a more dogged reporter in American journalism than Sierra Crane Murdoch.”—William Finnegan, Pulitzer Prize–winning author of *Barbarian Days* In development as a Paramount+ original series **WINNER OF THE OREGON BOOK AWARD • NOMINATED FOR THE EDGAR® AWARD • NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review • NPR**

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• Publishers Weekly When Lissa Yellow Bird was released from prison in 2009, she found her home, the Fort Berthold Indian Reservation in North Dakota, transformed by the Bakken oil boom. In her absence, the landscape had been altered beyond recognition, her tribal government swayed by corporate interests, and her community burdened by a surge in violence and addiction. Three years later, when Lissa learned that a young white oil worker, Kristopher “KC” Clarke, had disappeared from his reservation worksite, she became particularly concerned. No one knew where Clarke had gone, and few people were actively looking for him. Yellow Bird traces Lissa’s steps as she obsessively hunts for clues to Clarke’s disappearance. She navigates two worlds—that of her own tribe, changed by its newfound wealth, and that of the non-Native oilmen, down on their luck, who have come to find work on the heels of the economic recession. Her pursuit of Clarke is also a pursuit of redemption, as Lissa atones for her own crimes and reckons with generations of trauma. Yellow Bird is an exquisitely written, masterfully reported story about a search for justice and a remarkable portrait of a complex woman who is smart, funny, eloquent, compassionate, and—when it serves her cause—manipulative. Drawing on eight years of immersive investigation, Sierra Crane Murdoch has produced a profound examination of the legacy of

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systematic violence inflicted on a tribal nation and a tale of extraordinary healing.

A riveting portrait of a rural Pennsylvania town at the center of the fracking controversy Shale gas extraction—commonly known as fracking—is often portrayed as an energy revolution that will transform the American economy and geopolitics. But in greater Williamsport, Pennsylvania, fracking is personal. *Up to Heaven and Down to Hell* is a vivid and sometimes heartbreaking account of what happens when one of the most momentous decisions about the well-being of our communities and our planet—whether or not to extract shale gas and oil from the very land beneath our feet—is largely a private choice that millions of ordinary people make without the public's consent. The United States is the only country in the world where property rights commonly extend "up to heaven and down to hell," which means that landowners have the exclusive right to lease their subsurface mineral estates to petroleum companies. Colin Jerolmack spent eight months living with rural communities outside of Williamsport as they confronted the tension between property rights and the commonwealth. In this deeply intimate book, he reveals how the decision to lease brings financial rewards but can also cause irreparable harm to neighbors, to communal resources like air and water, and even to oneself. *Up to Heaven and Down to Hell* casts America's ideas

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about freedom and property rights in a troubling new light, revealing how your personal choices can undermine your neighbors' liberty, and how the exercise of individual rights can bring unintended environmental consequences for us all.

Explores the history and evolution of environmentalism in modern America, featuring essays that look at environmental issues facing each state, primary source documents, and thematic A to Z entries.

Planetary Solidarity brings together leading Latina, womanist, Asian American, Anglican American, South American, Asian, European, and African woman theologians on the issues of doctrine, women, and climate justice. Because women make up the majority of the world's poor and tend to be more dependent on natural resources for their livelihoods and survival, they are more vulnerable when it comes to climate-related changes and catastrophes. Representing a subfield of feminist theology that uses doctrine as interlocutor, this book asks how Christian doctrine might address the interconnected suffering of women and the earth in an age of climate change. While doctrine has often stifled change, it also forms the thread that weaves Christian communities together. Drawing on postcolonial ecofeminist/womanist analysis and representing different ecclesial and denominational traditions, contributors use doctrine to envision

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possibilities for a deep solidarity with the earth and one another while addressing the intersection of gender, race, class, and ethnicity. The book is organized around the following doctrines: creation, the triune God, anthropology, sin, incarnation, redemption, the Holy Spirit, ecclesiology, and eschatology.

Recently, complex interpretations of socio-cultural change in the ancient Mediterranean world have emerged that challenge earlier models. Influenced by today's hyper-connected age, scholars no longer perceive the Mediterranean as a static place where "Greco-Roman" culture was dominant, but rather see it as a dynamic and connected sea where fragmentation and uncertainty, along with mobility and networking, were the norm. Hence, a current theoretical approach to studying ancient culture has been that of globalization. Certain eras of Mediterranean history (e.g., the Roman empire) known for their increased connectivity have thus been analyzed from a globalized perspective that examines rhizomal networking, cultural diversity, and multiple processes of social change. Archaeology has proven a useful discipline for investigating ancient "globalization" because of its recent focus on how identity is expressed through material culture negotiated between both local and global influences when levels of connectivity are altered. One form of identity that has been inadequately explored in

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relation to globalization theory is insularity. Insularity, or the socially recognized differences expressed by people living on islands, is a form of self-identification created within a particular space and time. Insularity, as a unique social identity affected by “global” forces, should be viewed as an important research paradigm for archaeologies concerned with re-examining cultural change. The purpose of this volume is to explore how comparative archaeologies of insularity can contribute to discourse on ancient Mediterranean “globalization.” The volume’s theme stems from a colloquium session that was chaired by the volume’s co-editors at the Annual Meeting of the Archaeological Institute of America in January 2017. Given the current state of the field for globalization studies in Mediterranean archaeology, this volume aims to bring together for the first time archaeologists working on different islands and a range of material culture types to examine diachronically how Mediterranean insularities changed during eras when connectivity increased, such as the Late Bronze Age, the era of Greek and Phoenician colonization, the Classical period, and during the High and Late Roman imperial eras. Each chapter aims to situate a specific island or island group within the context of the globalizing forces and networks that conditioned a particular period, and utilizes archaeological material to reveal how islanders shaped their insular identities, or notions of

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insularity, at the nexus of local and global influences. A surreal, lyrical work of narrative nonfiction that portrays how the largest domestic oil discovery in half a century transformed a forgotten corner of the American West into a crucible of breakneck capitalism. As North Dakota became the nation's second-largest oil producer, Maya Rao set out in steel-toe boots to join a wave of drifters, dreamers, entrepreneurs, and criminals. With an eye for the dark, absurd, and humorous, Rao fearlessly immersed herself in their world to chronicle this modern-day gold rush, from its heady beginnings to OPEC's price war against the US oil industry. She rode shotgun with a surfer-turned-truck driver braving toxic fumes and dangerous roads, dined with businessmen disgraced during the financial crisis, and reported on everyone in between--including an ex-con YouTube celebrity, a trophy wife mired in scandal, and a hard-drinking British Ponzi schemer--in a social scene so rife with intrigue that one investor called the oilfield Peyton Place on steroids. As the boom receded, a culture of greed and recklessness left troubling consequences for investors and longtime residents. Empty trailers and idle oil equipment littered the fields like abandoned farmsteads, leaving the pioneers who built this unlikely civilization to reckon with their legacy. Part Barbara Ehrenreich, part Upton Sinclair, Great American Outpost is a sobering exploration of twenty-

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first-century America that reads like a frontier novel. “The definitive story on how big oil and gas corporations captured our political system . . . and the growing grassroots movement to retake our democracy” (Mark Ruffalo). Over the past decade a new and controversial energy extraction method known as hydraulic fracturing, commonly referred to as fracking, has rocketed to the forefront of US energy production. With fracking, millions of gallons of water, dangerous chemicals, and sand are injected under high pressure deep into the earth, fracturing hard rock to release oil and gas. Wenonah Hauter, one of the nation’s leading public interest advocates, argues that the rush to fracking is dangerous to the environment and treacherous to human health. Frackopoly describes how the fracking industry began; the technologies that make it possible; and the destruction and poisoning of clean water sources with the release of harmful radiation from deep inside shale deposits, creating what the author calls “sacrifice zones” across the American landscape. The book also examines the powerful interests that have supported fracking, including leading environmental groups, and offers a thorough debunking of its supposed economic benefits. With a wealth of new data, Frackopoly is an essential and riveting read for anyone interested in protecting the environment and ensuring a healthy and sustainable future for all Americans. “A

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passionate history and critique of the energy industry, from Standard Oil to Enron . . . [A] journalistic exposé of fracking outrages in which aggressive entrepreneurs in pursuit of profits wreak havoc on the land and poison the water.” —Kirkus Reviews “A truly powerful manifesto about one of the greatest environmental fights on our planet today—from one of its greatest champions!” —Bill McKibben, environmentalist and author of *Oil and Honey*

“A book that should be read . . . Smith brings an alchemic talent to describing physical labor.” —The New York Times Book Review “Beautiful, funny, and harrowing.” – Sarah Smarsh, *The Atlantic*

“Remarkable . . . this is the book that Hillbilly Elegy should have been.” —Kirkus Reviews A vivid window into the world of working class men set during the Bakken fracking boom in North Dakota Like thousands of restless men left unmoored in the wake of the 2008 economic crash, Michael Patrick Smith arrived in the fracking boomtown of Williston, North Dakota five years later homeless, unemployed, and desperate for a job. Renting a mattress on a dirty flophouse floor, he slept boot to beard with migrant men who came from all across America and as far away as Jamaica, Africa and the Philippines. They ate together, drank together, argued like crows and searched for jobs they couldn't get back home. Smith's goal was to find the hardest work he could

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do--to find out if he could do it. He hired on in the oil patch where he toiled fourteen hour shifts from summer's 100 degree dog days to deep into winter's bracing whiteouts, all the while wrestling with the demons of a turbulent past, his broken relationships with women, and the haunted memories of a family riven by violence. *The Good Hand* is a saga of fear, danger, exhaustion, suffering, loneliness, and grit that explores the struggles of America's marginalized boomtown workers—the rough-hewn, castoff, seemingly disposable men who do an indispensable job that few would exalt: oil field hands who, in the age of climate change, put the gas in our tanks and the food in our homes. Smith, who had pursued theater and played guitar in New York, observes this world with a critical eye; yet he comes to love his coworkers, forming close bonds with Huck, a goofy giant of a young man whose lead foot and quick fists get him into trouble with the law, and The Wildebeest, a foul-mouthed, dip-spitting truck driver who torments him but also trains him up, and helps Smith "make a hand." *The Good Hand* is ultimately a book about transformation--a classic American story of one man's attempt to burn himself clean through hard work, to reconcile himself to himself, to find community, and to become whole.

The "best all-around book yet on fracking" (San Francisco Chronicle) from a Pulitzer Prize finalist: "Gold's work is a tour de force of contemporary

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journalism” (Booklist). First invented in 1947, hydraulic fracturing, or fracking, has not only become a major source of energy, it is changing the way we use energy, and the energy we use. It is both a threat and a godsend for the environment, and it is leading the revival of manufacturing in the United States. A definitive narrative history, *The Boom* follows the twists and turns in the development and adoption of this radical technology. It is a thrilling journey filled with colorful characters: the green-minded Texas oilman who created the first modern frack; a bare-knuckled Oklahoman natural gas empire-builder who gave the world an enormous new supply of energy and was brought down by his own success and excesses; an environmental leader whose embrace of fracking brought an end to his public career; and an aging fracking pioneer who is now trying to save the industry from itself. A fascinating and exciting exploration of one of the most controversial and promising sources of energy, *The Boom* “brings new clarity to a subject awash in hype from all sides...a thoughtful, well-written, and carefully researched book that provides the best overview yet of the pros and cons of fracking. Gold quietly leads both supporters and critics of drilling to consider other views” (Associated Press).

“As a child, I thought of my town—as most children probably do—as just an ordinary place. . . . Yet I have come to think that there were exceptional things in

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the lives of its people and especially in the values and virtues that they believed in and aspired to.”—Richard Edwards. Before the oil industry transformed western North Dakota, the natives of Stanley went about their normal, everyday lives. Postmen, farmers, housewives, doctors, and other residents of the bustling town held certain qualities close as they cultivated the cultural fabric of the Great Plains. For generations, inhabitants of this wheat-growing region developed a combination of resoluteness, steadfastness, devotion to the community, and ever-present modesty. Contrasting these values with the trials of the modern oil-boom community, author Richard Edwards examines the old town’s virtues through the stories of those who built and sustained a community on the dry, open plains in the twentieth century. A deeply personal look at a small North Dakota town, *Natives of a Dry Place* focuses on a not-so-distant past and takes readers on a journey of reflection to a time before big oil. Edwards uses his experience as both a historian and an economist to delve into the overarching questions of what makes a community and how it survives during times of upheaval.

This book brings together the voices of people from five continents who live, work, and research on the front lines of climate resistance and renewal. The many contributors to this volume explore the impacts of extreme weather events in Africa, the Caribbean

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and on Pacific islands, experiences of life-long defenders of the land and forests in Brazil, India, Indonesia, and eastern Canada, and efforts to halt the expansion of fossil-fuel infrastructure from North America to South Africa. They offer various perspectives on how a just transition toward a fossil-free economy can take shape, as they share efforts to protect water resources, better feed their communities, and implement new approaches to urban policy and energy democracy. Climate Justice and Community Renewal uniquely highlights the accounts of people who are directly engaged in local climate struggles and community renewal efforts, including on-the-ground land defenders, community organizers, leaders of international campaigns, agroecologists, activist-scholars, and many others. It will appeal to students, researchers, activists, and all who appreciate the need for a truly justice-centered response to escalating climate disruptions.

This Third Edition of Elements of Petroleum Geology is completely updated and revised to reflect the vast changes in the field since publication of the Second Edition. This book is a useful primer for geophysicists, geologists, and petroleum engineers in the oil industry who wish to expand their knowledge beyond their specialized area. It is also an excellent introductory text for a university course in petroleum geoscience. Elements of Petroleum Geology begins with an account of the physical and chemical properties of petroleum, reviewing methods of petroleum exploration and production. These methods include drilling, geophysical exploration

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techniques, wireline logging, and subsurface geological mapping. After describing the temperatures and pressures of the subsurface environment and the hydrodynamics of connate fluids, Selley examines the generation and migration of petroleum, reservoir rocks and trapping mechanisms, and the habit of petroleum in sedimentary basins. The book contains an account of the composition and formation of tar sands and oil shales, and concludes with a brief review of prospect risk analysis, reserve estimation, and other economic topics. Updates the Second Edition completely

Reviews the concepts and methodology of petroleum exploration and production Written by a preeminent petroleum geologist and sedimentologist with decades of petroleum exploration in remote corners of the world Contains information pertinent to geophysicists, geologists, and petroleum reservoir engineers Updated statistics throughout Additional figures to illustrate key points and new developments New information on drilling activity and production methods including crude oil, directional drilling, thermal techniques, and gas plays Added coverage of 3D seismic interpretation New section on pressure compartments New section on hydrocarbon adsorption and absorption in source rocks Coverage of The Orinoco Heavy Oil Belt of Venezuela Updated chapter on unconventional petroleum

Petroleum Development and Environmental Conflict in Aotearoa New Zealand: Texas of the South Pacific examines the circumstances under which environmental opposition to state policies to promote oil and gas development has led to far-reaching changes in institutional relations between the state and civil society.

This report reviews the twelve shale plays that account for 82% of the tight oil production and 88% of the shale gas production in the U.S. Department of Energy's Energy Information Administration (EIA) reference case forecasts

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through 2040. It utilizes all available production data for the plays analyzed, and assesses historical production, well- and field-decline rates, available drilling locations, and well-quality trends for each play, as well as counties within plays.

Projections of future production rates are then made based on forecast drilling rates (and, by implication, capital expenditures). Tight oil (shale oil) and shale gas production is found to be unsustainable in the medium- and longer-term at the rates forecast by the EIA, which are extremely optimistic.

In 2013 a runaway train loaded with crude oil from North Dakota's Bakken region derailed and exploded in Lac-Mégantic, Quebec--destroying the downtown area and killing 47 people. This was the first of many oil trains that began derailing and exploding across North America as oil companies ramped up shipping a glut of fracked oil by train.

Serving in lieu of pipelines, the trains carrying volatile oil soon gained the nickname "bomb trains" from rail operators. These trains continue to pass through small towns and major cities every day, putting an estimated 25 million people in North America at risk. The U.S. and Canadian regulatory systems, corrupted by industry influence, enabled a variety of risk factors that led to these "bomb trains." While the system was broken then, prospects for government oversight have gotten significantly worse in the Trump administration. Under

President Trump, critical regulatory roles have been filled by former rail executives, and federal agencies have rolled back the few meaningful protections meant to avoid another oil spill or fatal disaster. Investigative journalist Justin Mikulka tells the story of how we got here, the communities fighting back, and where we could go next in an attempt to defuse the next "bomb train." "A richly researched, well-written, hugely important case study in the peril the public faces when federal agencies are captured by the industries they're supposed to regulate. Profits and body count go up while public safety and

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confidence in government go down." Marcus Stern, Pulitzer Prize-winning journalist "Justin Mikulka at DeSmog has been the indispensable journalist for all wrestling with the crude oil train crisis in North America in the last five years. His new book Bomb Trains... outlines some needed concrete ways forward on rail safety, as well as valuable ammunition from a significant public safety sector for those who would insist on the need for fundamental political changes." Fred Millar, rail safety consultant "[Bomb Trains] is an invaluable resource for understanding how regulations get made; how they get blocked, delayed, diluted, reversed, etc. Its insights are a major contribution to understanding the power of the railroad and the petroleum industries, the acquiescence of the regulators, and the political accomplices. And how invariably profit trumps safety." Bruce Campbell, author of The Lac-Mégantic Rail Disaster: Public Betrayal, Justice Denied Communities in rural America are a complex mixture of peoples and cultures, ranging from miners who have been laid off in West Virginia, to Laotian immigrants relocating in Kansas to work at a beef processing plant, to entrepreneurs drawing up plans for a world-class ski resort in California's Sierra Nevada. Rural Communities: Legacy and Change uses its unique Community Capitals framework to examine how America's diverse rural communities use their various capitals (natural, cultural, human, social, political, financial, and built) to address the modern challenges that face them. Each chapter opens with a case study of a community facing a particular challenge, and is followed by a comprehensive discussion of sociological concepts to be applied to understanding the case. This narrative, topical approach makes the book accessible and engaging for undergraduate students, while its integrative approach provides them with a framework for understanding rural society based on the concepts and explanations of social science. This fifth edition

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is updated throughout with 2013 census data and features new and expanded coverage of health and health care, food systems and alternatives, the effects of neoliberalism and globalization on rural communities, as well as an expanded resource and activity section at the end of each chapter.

After 2008, private-sector spending took a decade to recover. Yair Listokin thinks we can respond more quickly to the next meltdown by reviving and refashioning a policy approach, used in the New Deal, to harness law's ability to function as a macroeconomic tool, stimulating or relieving demand as required under certain crisis conditions.

When it comes to writing weapons, most authors shoot from the hip--and miss. The *Writer's Guide to Weapons* will help you hit your target every time. Firearms and knives have starring roles in a wide range of genres--crime, thriller, war, mystery, Western, and more. Unfortunately, many depictions of weapons in novels and film are pure fiction. Knowing the difference between a shotshell and a slug, a pistol and a revolver, or a switchblade and a butterfly knife is essential for imbuing your story with authenticity--and gaining popularity with discerning readers. Inside you'll find:

- An in-depth look at the basics of firearms and knives: how they work, why they work, what they look like, and how to depict them accurately in your stories.
- The biggest weapons myths in fiction, TV, and film.
- A surefire guide for choosing the correct weapon for your characters, no matter their skill level, strength, or background.
- A review of major gun and knife laws, weapons safety tips, and common police tactics.
- "The Hit List," showcasing the most popular weapons for spies, detectives, gunslingers, gangsters, military characters, and more.
- Examples highlighting inaccurate vs. accurate weapons depictions.
- An insightful foreword by David Morrell, the award-winning creator of Rambo.

Equal parts accessible, humorous, and practical, *The Writer's Guide to*

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Weapons is the one resource you need to incorporate firearms and knives into your fiction like a seasoned professional.

Inclusive Transport: Fighting Involuntary Transport Disadvantages offers readers profound and multifaceted insights into transportation and social equity, guiding transportation and urban studies researchers, planners, and policy makers in evaluating potential solutions to this complex issue. It considers discrimination and its societal consequences, providing a needed perspective on who is left out of transportation planning, and why. The book is systematically divided into 2 parts, Part A is problem oriented and explores the main problems to the transportation disadvantaged; accessibility and affordability. It looks at the consequences of non-accessibility, the problems non-car owners face, and the interplay between housing and transportation; Part B is policy oriented and analyses how current policies tend to forget transport disadvantages. It looks at pragmatic solutions for transport disadvantaged and ends with a design for inclusive transport, being a more radical approach combining sustainability challenges, people's behaviours and emotions, creating more just and equitable mobility. Synthesizes academic research and narratives on transport disadvantage and the transport disadvantaged, linking the research with current mobility policies and practices Connects the fight on transport disadvantages with sustainable and smart mobility strategies and looks into car sharing, ride sharing and individualising public transport while de- individualizing car use Has an extensive usage of data, figures, and examples from around the world, and inspiring mobility plans and policies

"The Beast' is a graphic novel set against the backdrop of Canadian oil industry advertising. It tells

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the story of two creative millennials working in Edmonton on opposite sides of the energy debate. Important ideas about advertising, energy politics, and sustainability are raised as they grow to understand their relationship to their work, the climate, and each other."--

The recent oil boom in the US has been attributed to the result of hydraulic fracturing and horizontal drilling of shale plays. However despite this boom, production and maximum recovery is still limited to be only few percentage of the original oil in place. There have been many studies attempting to enhance the oil recovery of the Bakken Shale, however one area that has not been addressed is the structure of the nanopores storing and transporting the hydrocarbons. The pore geometry and connectivity of these nanopore structures affect the fluid flow and mass transport, which is linked to overall oil recovery. This work focuses on the connectivity of the nanopore structure within the Bakken shale using cores of all three Bakken members obtained from a producing well in North Dakota. For these tight rock samples, we study pore structure and edge-accessible porosity, using the following complementary tests: 1) mercury injection capillary pressure (MICP); 2) fluid and tracer imbibition into initially-dry sample; and 3) tracer diffusion into fluid-saturated sample. Tracer imbibition and diffusion is measured by elemental

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laser ablation-ICP-MS mapping. Results from the MICP show that the Bakken members have nano-sized pores with low permeability and tortuous flow pathways. Low connectivity of small pore produce anomalous imbibition behavior indicated by the imbibition slope, which is consistent with percolation theory. Limited connected pathways for the tracers were also observed from tracer imbibition and saturated diffusion tests. The findings from these innovative approaches provide information on pore structure and connectivity that can be used in fluid dynamics to estimate overall oil recovery.

Two teenage girls claim that they are pregnant virgins. But only one is carrying the child of Christ . . . and the other will deliver the son of Satan. In Boston, seventeen-year-old Kathleen is pregnant, but she swears she's a virgin. In Ireland, another teenage girl, Colleen, discovers she is in the same impossible condition. Cities all around the world are suddenly overwhelmed by epidemics, droughts, famines, floods, and worse. As terrifying forces of light and darkness begin to gather, Kathleen and Colleen find themselves at the center of the final battle for the very soul of humanity. Each of the girls must convince a young detective that she is the true mother of God . . . and that the other is carrying the devil. The stakes couldn't be higher in this page-turning thriller. You won't be able to put it down until the final reveal: which baby is the miracle . . . and

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which the monster?

Williston, North Dakota was a sleepy farm town for generations—until the frackers arrived. The oil companies moved into Williston, overtaking the town and setting off a boom that America hadn't seen since the Gold Rush. Workers from all over the country descended, chasing jobs that promised them six-figure salaries and demanded no prior experience. But for every person chasing the American dream, there is a darker side—reports of violence and sexual assault skyrocketed, schools overflowed, and housing prices soared. Real estate is such a hot commodity that tent cities popped up, and many workers' only option was to live out of their cars. Farmers whose families had tended the land for generations watched, powerless, as their fields were bulldozed to make way for one oil rig after another. Written in the vein Ted Conover and Jon Krakauer, using a mix of first-person adventure and cultural analysis, *The New Wild West* is the definitive account of what's happening on the ground and what really happens to a community when the energy industry is allowed to set up in a town with little regulation or oversight—and at what cost.

Though the negative effects of social exclusion are well documented, there is a paucity of research on women's experiences of social exclusion as they relate to mothering within the institution of

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motherhood. Social exclusion is a socially constructed concept; it refers to a multi-dimensional form of systematic discrimination driven by unequal power relationships. It is the denial of equal opportunities, resources, rights, goods, and services for some, by others, within economic, social, cultural, and political arenas. Carrying, birthing, and mothering children place women in a unique position to face social exclusion based on their role as mothers. Perhaps at no other time in our lives could we benefit more from feeling as though we are engaged in our community than when we enter into and are experiencing the patriarchal institution of motherhood. As the widely used proverb states, “It takes a village to raise a child”, it also takes a village (of societal institutions) to support mothers. Saint Mary's University

In the 1950s, North Dakota experienced its first oil boom in the Williston Basin, on the western side of the state. The region experienced unprecedented social and economic changes, which were carefully documented in a 1958 report by four researchers at the University of North Dakota. Since then, western North Dakota has undergone two more booms, the most recent from 2008 to 2014. *Sixty Years of Boom and Bust* republishes the 1958 report and updates its analysis by describing the impact of the latest boom on the region's physical geography, politics, economics, and social structure. *Sixty Years of Boom*

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and Bust addresses topics as relevant today as they were in 1958: the natural and built environment, politics and policy, crime, intergroup relations, and access to housing and medical services. In addition to making hard-to-find material readily available, it examines an area shaped by resource booms and busts over the course of six decades. As a result, it provides unprecedented insight into the patterns of development and the roots of the challenges the region has faced.

This book addresses the causes of rising crime rates resulting from the rapid population growth and industrialization associated with natural resource extraction in rural communities. Ruddell describes the social problems emerging in these boomtowns, including increases in antisocial behavior, as well as property-related and violent crime, industrial mishaps and traffic collisions. Many of the victims of these crimes are already members of vulnerable or marginalized groups, including rural women, Indigenous populations, and young people. The quality of life in boomtowns also decreases due to environmental impacts, including air, water and noise pollution. Law enforcement agencies, courts, and correction facilities in boomtowns are often overwhelmed by the growing demand as these places are seldom able to manage the population growth. The key questions addressed here are: who should pay the costs of managing these booms, and

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how can we prepare communities to mitigate the worst effects of this growth and development and, ultimately, increase the quality of life for boomtown residents. An in-depth and timely study, this original work will be of great interest to scholars of violent crime, criminal justice, and corporate harm.

The essays in this collection explore taboo and controversial humour in traditional scripted (sitcoms and other comedy series, animated series) and non-scripted forms (stand-up comedy, factual and reality shows, and advertising) both on cable and network television. Whilst the focus is predominantly on the US and UK, the contributors also address more general and global issues and different contexts of reception, in an attempt to look at this kind of comedy from different perspectives. Over the last few decades, taboo comedy has become a staple of television programming, thus raising issues concerning its functions and appropriateness, and making it an extremely relevant subject for those interested in how both humour and television work.

Environmental and Natural Resource Economics is the best-selling text for this course, offering a policy-oriented approach and introducing economic theory in the context of debates and empirical work from the field. Students leave the course with a global perspective of both environmental and natural resource economics. Gain flexibility in your course outlines: The text is organized, so that you can fit individual course outlines. Use relevant material: Students identify with up-to-date information, which gives them a global perspective on

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key issues. Engage students with self-test exercises, debates and examples: Students are able to prepare for their field and learn from an active learning path, which allows them to grasp concepts before moving through the text.

Finalist for the Art of Eating Prize A richly illustrated culinary tour of the United States through fifty signature dishes, and a radical exploration of our gastronomic heritage. Following his critically acclaimed *Preparing the Ghost*, renowned essayist Matthew Gavin Frank takes on America's food. In a surprising style reminiscent of Maggie Nelson or Mark Doty, Frank examines a quintessential dish in each state, interweaving the culinary with personal and cultural associations of each region. From key lime pie (Florida) to elk stew (Montana), *The Mad Feast* commemorates the unexpected origins of the familiar. Brazenly dissecting the myriad intersections between history and food, Frank, in this gorgeously designed volume, considers politics, sexuality, violence, grief, and pleasure: the cool, creamy whoopie pie evokes toughness in the face of New England winters, while the stewlike perloo serves up an exploration of food and race in the South. Tracing an unpredictable map of our collective appetites, *The Mad Feast* presents a beguiling flavor profile of the American spirit.

Oil pulses through our daily lives. It is the plastic we touch, the food we eat, and the way we move. Oil politics in the twentieth century was about the management of abundance, state power, and market growth. The legacy of this age of plenty includes declining conventional oil reserves, volatile prices, climate change, and enduring poverty in many oil-rich countries. The politics of oil are now at a turning point, and its future will not be like its past. In this in-depth primer to one of the world's most significant industries, authors Gavin Bridge and Philippe Le Billon take a fresh look at the contemporary political economy of oil. Going beyond simple assertions of

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peak oil and an oil curse, they point to an industry reordered by global shifts in demand toward Asia, growing reliance on unconventional reserves, international commitments to reduce carbon emissions, a growing campaign for fossil fuel divestment, and violent political struggles in many producer states. As a new geopolitics of oil emerges, the need for effective global oil governance becomes imperative.

Highlighting the growing influence of civil society and attentive to the efforts of firms and states to craft new institutions, this fully updated second edition identifies the challenges and opportunities to curtail price volatility, curb demand and the growth of dirty oil, decarbonize energy systems, and improve governance in oil-producing countries.

Since the first edition of Fracking was published, hydraulic fracturing has continued to be hotly debated. Credited with bringing the US and other countries closer to “energy independence,” and blamed for tainted drinking water and earthquakes, hydraulic fracturing (“fracking”) continues to be one of the hottest topics and fiercely debated issues in the energy industry and in politics. Covering all of the latest advances in fracking since the first edition was published, this expanded and updated revision still contains all of the valuable original content for the engineer or layperson to understand the technology and its ramifications. Useful not only as a tool for the practicing engineer solve day-to-day problems that come with working in hydraulic fracturing, it is also a wealth of information covering the possible downsides of what many consider to be a very valuable practice. Many others consider it dangerous, and it is important to see both sides of the argument, from an apolitical, logical standpoint. While induced hydraulic fracturing utilizes many different engineering disciplines, this book explains these concepts in an easy to understand format. The primary use of this book shall be to increase the awareness of a new and emerging

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technology and what the various ramifications can be. The reader shall be exposed to many engineering concepts and terms. All of these ideas and practices shall be explained within the body. A science or engineering background is not required.

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