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A Crude Look at the Whole U.S. Crude Oil Export Policy **Speculation in the Crude Oil Market** *Crude Oil Supply, Gasoline Demand, and the Effects on Prices* **Cost to Consumers of Deregulation of Crude Oil Domestic Crude Oil Decontrol, 1979** *Crude Oil Severance Tax* *Economic Considerations Bearing on Valuation of Alaskan Crude Oil and State Policy on Pipelines* **World Crude-oil Pricing** *The Crude Truth* **Alaskan Crude Oil** *Crude Oil Exports* **Distribution and Exportation of Alaska and California Crude Oil** *Distribution and Exportation of Alaska and California Crude Oil* **Petroleum Investigation (Crude Oil Prices and Extension of Cole Pipe Line Act)**. *Petroleum Investigation (Crude Oil Prices and Extension of Cole Pipe Line Act)* *Crude Oil Transportation Systems* *Petroleum Investigation (Crude Oil Prices and Extension of Cole Pipe Line Act)*, *Hearings Before a Subcommittee ...*, 78-1, April 13 - December 6, 1943. *National Crude Oil Refinery Development Act* *Hearings, Reports and Prints of the House Committee on Interior and Insular Affairs* *Northern Tier Crude Oil Shortfall and Delivery Systems* *The Export of Alaskan Crude Oil* **Energy Data Requirements of the Federal Government Third in Series on Effect of Federal Tax Laws on the Production, Supply, and Conservation of Energy** **Export of Alaskan Crude Oil** *Oil in Putin's Russia* *Crude Oil Tax* **The Petroleum Industry: Vertical integration** *The Petroleum Industry* **Citizens Look at Congress: Statistical supplement to Congressional profiles, 1972 to 1974** **Transcript of Eighth Public Hearing, Atlanta, Georgia, September 23-27, 1974** *Oil Negotiations, OPEC, and the Stability of Supply* **Hearings, Reports and Prints of the House Committee on Appropriations** **Systems Development and Management** *House documents* **Strategic Petroleum Reserve and EPCA** *The Cunning of Uncertainty* *The Oil and Gas Journal* *Crude World* *The New Kings of Crude*

Providing an in-depth review of Russia's key economic policies, this book is the first systematic study of the political economy of oil windfalls in Putin's Russia. The catastrophic oil spill in the Gulf of Mexico has brought new attention to the huge costs of our oil dependence. In this stunning and revealing book, Peter Maass examines the social, political, and environmental impact of petroleum on the countries that produce it. Every unhappy oil-producing nation is unhappy in its own way, but all are touched by the "resource curse"—the power of oil to exacerbate existing problems and create new ones. Peter Maass presents a vivid portrait of the troubled world oil has created. From Saudi Arabia to Equatorial Guinea, from Venezuela to Iraq, the stories of rebels, royalty, middlemen, environmentalists, indigenous activists, and CEOs—all deftly and sensitively presented—come together in this startling and essential account of the consequences of our addiction to oil. A top expert explains why a social and economic understanding of complex systems will help society to anticipate and confront our biggest challenges. Imagine trying to understand a stained glass window by breaking it into pieces and examining it one shard at a time. While you could probably learn a lot about each piece, you would have no idea about what the entire picture looks like. This is reductionism -- the idea that to understand the world we only need to study its pieces -- and it is how most social scientists approach their work. In *A Crude Look at the Whole*, social scientist and economist John H. Miller shows why we need to start looking at whole pictures. For one thing, whether we are talking about stock markets, computer networks, or biological organisms, individual parts only make sense when we remember that they are part of larger wholes. And perhaps more importantly, those wholes can take on behaviors that are strikingly different from that of their pieces. Miller, a leading expert in the computational study of complex adaptive systems, reveals astounding global patterns linking the organization of otherwise radically different structures: It might seem crude, but a beehive's temperature control system can help predict market fluctuations and a mammal's heartbeat can help us understand the "heartbeat" of a city and adapt urban planning accordingly. From enduring racial segregation to sudden stock market disasters, once we start drawing links between complex systems, we can start solving what otherwise might be totally intractable problems. Thanks to this revolutionary perspective, we can finally transcend the limits of reductionism and discover crucial new ideas. Scientifically founded and beautifully written, *A Crude Look at the Whole* is a powerful exploration of the challenges that we face as a society. As it reveals, taking the crude look might be the only way to truly see. Uncertainty is interwoven into human existence. It is a powerful incentive in the search for knowledge and an inherent component of scientific research. We have developed many ways of coping with uncertainty. We make promises, manage risks and make predictions to try to clear the mists and predict ahead. But the future is inherently uncertain - and the mist that shrouds our path an inherent part of our journey. The burning question is whether our societies can face up to uncertainty, learn to embrace it and whether we can open up to a constantly evolving future. In this new book, Helga Nowotny shows how research can thrive at the cusp of uncertainty. Science, she argues, can eventually transform uncertainty into certainty, but into certainty which remains always provisional. Uncertainty is never completely static. It is constantly evolving. It encompasses geological time scales and, at the level of human experience, split-second changes as cells divide. Life and death decisions are taken in the blink of the eye, while human interactions with the natural environment may reveal their impact over millennia. Uncertainty is cunning. It appears at unexpected moments, it shuns the straight line, takes the oblique route and sometimes the unexpected short-cut. As we acknowledge the cunning of uncertainty, its threats retreat. We accept that any scientific inquiry must produce results that are provisional and uncertain. This message is vital for politicians and policy-makers: do not be tempted by small, short-term, controllable gains to the exclusion of uncertain, high-gain opportunities. Wide-ranging in its use of examples and enriched by the author's experience as President of the European Research Council, one of the world's leading funding organisations for fundamental research. *The Cunning of Uncertainty* is a must-read for students and scholars of all disciplines, politicians, policy-makers and anyone concerned with the fundamental role of knowledge and science in our societies today. "Introduces the reader to big machines."-- A look at how the world's rising powers began international oil empires amidst one of Africa's longest and deadliest civil wars --

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