The book opens with masterly and engaging accounts of deforestation, species loss, agricultural expansion, and the establishment of irrigation. Next come tightly focused tales of three localities: Jiaxing, just south of the Yangzi delta; Guizhou Province in the south, originally home to the Miao people; and Zunhua in the northeast. These chapters place the themes of the book in specific contexts. The story of Guizhou, in which the Miao were gradually dispossessed and replaced by Han Chinese, is especially illuminating. Like the history of Amerindians and Euro-Americans in North America. this clash of cultures involved environmental transformation as a means of political control: To defeat the Miao, the Chinese replaced Guizhou's forests with cultivation. The final part of the book deals with Chinese perceptions of nature. Here Elvin concludes, as others have before him, that the reverence for aspects of nature expressed in countless Chinese texts did next to nothing to restrain the actual behavior of Chinese toward nature.

Chinese history is a broad canvas, and Elvin doesn't cover it all. He leaves aside the borderlands and the regions inhabited chiefly by non-Chinese. He also avoids the 20th century, in which environmental changes were overwhelming, as well as the invisible but important world of microbes. Still, his book is essential for those who want to understand the long sweep of Chinese history, and it will enhance the perspective of those who think they already understand it. A scholarly tour de force, it's not for beginners; Elvin doesn't always wear his immense learning lightly. But readers can skip the occasional algebraic formula or table of raw data on rice yields. Few books repay patience as generously as this one.

-J. R. McNeill

THE PURSUIT OF PERFECTION: The Promise and Perils of Medical Enhancement. By Sheila M. Rothman and David J. Rothman. Pantheon. 292 pp. \$25

When did we become a nation dedicated to the proposition that all men created

equal shouldn't have to stay that way? Columbia University professors Sheila and David Rothman show that Western medicine has been walking the slippery slope of medical enhancement for nearly a century. As far back as the 1920s, drug companies were aggressively marketing new treatments to the medical community, endowing research chairs, funding university laboratories, and exploiting individual doctors to advance their claims. These days, Genentech, the largest manufacturer of human growth hormone, routinely doles out research grants to the doctors who prescribe it. Plus ça change, the Rothmans would say.

Ludicrous medical practices have always gotten a warm reception in this country. In the 1930s, wealthy Americans raced to Europe for "sexual rejuvenation" by the Viennese doctor Eugen Steinach, who used x-rays to stimulate the ovaries and claimed to increase testosterone production via vasectomy. Researchers in St. Louis figured out how to create synthetic estrogen from the urine of sows and pregnant women, and soon gynecologists seeking to prevent miscarriages were freely dispensing DES, an estrogen compound later discovered to cause vaginal cancer in the daughters of its recipients. For the past half-century, despite reports of associated cancers, menopausal women have taken estrogen supplements to forestall normal aging.

Plastic surgery, which began as reconstructive work on World War I soldiers, came of age at midcentury, when such traits as a "Jewish" nose or small breasts were deemed especially undesirable. In the 1970s, a French doctor developed a method of removing fatty deposits from the body using gynecological instruments, and soon men and women were rushing for liposuction to correct genetically ordained fat distributions. Nowadays, plastic surgery is just another middle-class blood sport, albeit one fueled by self-loathing. At the opening of each episode of Nip/Tuck, the FX series about plastic surgeons in Miami, one of the doctors asks a new client: "Tell us what you don't like about yourself." Where to begin?

Though quackery abounds, the Roth-

mans argue that the field of medical enhancement represents serious science, promising to make us not just better looking but better behaved and longer lived. "We do not believe that enhancement will necessarily violate nature, subvert our humanity and dignity, or undermine social order," they write. But "what the technologies do represent is a test of the outer limits of allowing science to set its own agenda, of allowing happiness to drive clinical care, of allowing profit motives almost unbounded license, and allowing individuals to exercise autonomy and choice." Botoxer, beware.

-A. J. Hewat

CONTRIBUTORS

David Amsden, a contributing writer at New York magazine, is the author of the novel Important Things That Don't Matter (2003). H. W. Brands, a professor of history at Texas A&M University, is the author of several books of American history, including the newly published Lone Star Nation: How a Ragtag Army of Courageous Volunteers Won the Battle for Texas Independence. Christopher Byrd is a former researcher at The Wilson *Quarterly*. Benjamin Cheever is the author of the memoir Selling Ben Cheever (2001) and the newly published novel The Good Nanny. Christopher Clausen, a professor of English at Pennsylvania State University, is the author most recently of Faded Mosaic: The Emergence of Post-Cultural America (2000). A. J. Hewat is a writer and editor living in Connecticut. Stanley Karnow, recipient of the Pulitzer Prize in history in 1991, is the author most recently of Paris in the Fifties (1997). Ira C. Lupu is the F. Elwood & Eleanor Davis Professor of Law at George Washington University and the coauthor of annual reports on the law governing the Bush administration's faith-based initiative, available at www.religionandsocialpolicy.org. J. R. McNeill is a professor of history at Georgetown University and the author of Something New under the Sun: An Environmental History of the Twentieth-Century World (2000). Andrew Meier is the author of Black Earth: A Journey through Russia after the Fall (2003). Margaret Webb Pressler writes the "Selling Us" column in The Washington Post. Jonathan Rosenberg, who teaches U.S. history at Hunter College, is the coauthor of Kennedy, Johnson, and the Quest for Justice: The Civil Rights Tapes (2003) and the forthcoming "How Far the Promised Land?": World Affairs and the American Civil Rights Movement from the First World War to Vietnam. Martin Walker is the author most recently of America Reborn: A Twentieth-Century Narrative in Twenty-Six Lives (2000) and the novel The Caves of Périgord (2002).

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