knowledge through publishing, trade or exploration. In doing so, she goes beyond merely recounting how science itself developed to show how it has been shaped by cultural and economic trends. An example is the revival of natural history during the Renaissance, which owed more to the rapid expansion of international trade—and to the desire of rich Europeans to adorn their homes with exotic plants and animals—than to the investigations of scholars at universities. Fara also analyzes how scientific discoveries in turn shaped the politics and ideology of their time, such as when scientists and politicians in various countries mis-appropriated Darwin’s ideas to justify large-scale eugenics programs.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.

One curious omission from this otherwise comprehensive book is the Roman Empire. Certainly, Roman scholars did not excel in the sciences as much as those in Greece and in Islamic countries at around that time. But as Fara emphasizes when discussing the Middle Ages, scientific progress very much depends on technological innovation too, and undoubtedly the ancient Romans were great technological innovators.

Inevitably a book of only 400 pages that tries to cover 4,000 years of human scientific endeavor must remain superficial in its treatment of individual topics. This book therefore excels not so much in the novelty of its insights regarding different periods and cultures as in the comprehensive view it provides of the origin of science and its evolution over the past four millennia. Those interested in more detail can find ideas for further reading at the end of the book. Regrettably, to some extent the book falls victim to the author’s own scientific background. In places it draws a little too heavily on physics (the field she was trained in) and related areas, and it focuses too much on British science. This slight bias is, however, offset by the fact that most of the points Fara makes for one discipline or country apply equally to others.
beloved son Philippe dies. The Cousteau Society deteriorates, exploration giving way to “military campaigns” to meet “a steady grind of production deadlines.” In 1990 Cousteau’s wife dies. A few weeks later he reveals to his son Jean-Michel that he intends to marry Francine Triplet, a woman he has been secretly seeing for 15 years, with whom he has two children. When Cousteau dies a few years later, having designated his new wife his successor, turmoil plagues the family and its enterprises. Matsen does not gloss over any of this, candidly titling the final chapter “Chaos.”

Small character portraits abound throughout the book, and Matsen ultimately portrays Cousteau as the sum of his interactions with the people around him. First we meet the woman who became his first wife, Simone Melchior, who later acquires the nickname “La Bergère” (the Shepherdess) when she plays the role of caretaker for the crew of the Calypso. Next we are introduced to Philippe Tailliez and Frédéric Dumas, who with Cousteau formed the Sea Musketeers; the three men worked together to perfect skills and technologies that made it possible to breathe underwater. A few chapters later Matsen shows Simone using her family connections to introduce Jacques to Émile Gagnan, who will help him develop the first self-contained underwater breathing apparatus (scuba), the Aqua-Lung. Other people important to the story include David Wolper, the creator of the television series The Undersea World of Jacques Cousteau, who developed the iconic look of Cousteau’s group (silver wet suits and yellow helmets), and Ted Turner, who came to the financial rescue of the foundering Cousteau Society in the early 1980s.

Cousteau’s prized Calypso is also an integral character in this biography. In the preface, Matsen describes finding the ship several years ago with “weeping rust streaks from corroded fittings on its sooty white flank,” and he laments that “the wreck of the Calypso felt wrong, neglected, and dishonored.” The deterioration of this icon raises questions that he goes on to address in the book, which concludes with the questions that he goes on to address.

The deterioration of this icon raises questions that he goes on to address in the book, which concludes with the questions that he goes on to address.

The book confirms this: Matsen describes many instances in which events and people interconnected fortuitously to provide the tools and opportunities Cousteau needed. When Cousteau was a young man serving in the French Navy, he began swimming in the ocean to help facilitate his recovery from a car accident, and the officer he swam with turned out to be a snorkeling enthusiast who introduced him to the world beneath the water. (This same accident prevented Cousteau from becoming an aviator, which presumably saved his life, given that every member of his flight-school class was killed during the first few weeks of World War II.) During the war, Cousteau’s superior officers allowed him to continue experimenting with diving and underwater photography, recognizing that what he learned might have military applications. Decades later, the president of the Explorers Club in New York, Tom Moore, needed an after-dinner speaker on short notice and called on Cousteau; in return, Moore, who was also president of ABC, persuaded the network to give Cousteau a television series. Matsen portrays Cousteau as neither angel nor demon but a complex man of contradictions. He was an environmentalist who preached stewardship of the world’s oceans and rivers, and he pleaded with the U.S. Congress to curb pollution on the coasts, but he let British Petroleum charter the Calypso for oil exploration and took money from Atlantic Richfield Petroleum Company (ARCO) for the PBS series Jacques Cousteau Odyssey. He described himself as an “honest witness” showing “the truth about nature,” but he orchestrated scenes for his television show. He publicly opposed removing animals from their natural habitat, but he ordered his crew to trap sea lions from the Cape of Good Hope and kept them in a cage aboard the Calypso. Cousteau was extremely adept at popularizing the ocean and life within it, yet he created an inefficient bureaucracy with an enormous budget at the

In 1952 and 1953, making headlines all over Europe, Cousteau and his crew worked from Calypso to raise thousands of artifacts, including amphorae and Campanian pottery, from two Roman ships that sank more than 2,000 years ago in the Marseilles basin off Grand-Congloué. The first underwater television camera was used during the project to allow archaeologists to watch the divers so that they could then advise them what to spend their time on. The Roman amphora in the photograph above was found in the waters off North Africa in 1953. From Jacques Cousteau.

Cousteau Society. By drawing these contrasts, Matsen captures the essence of Cousteau as a man whose accomplishments do not justify his faults and whose faults do not detract from his accomplishments.

Cousteau once said of his crew that they were “wounded by life on land, and . . . thereafter put trust in the sea”; those words perhaps apply equally well to Cousteau himself. He liked to contrast being bolted to the earth by the weight of gravity with the freedom that comes with being buoyed by water. “Underwater, man becomes an archangel,” he said. That is how I think of him: in his element, as a man swimming below the surface of the ocean, free of the flaws that weighed him down on terra firma.

Craig McClain is assistant director of science at the National Evolutionary Synthesis Center in Durham, North Carolina.
Aqua Lung continues the work of Jacques-Yves Cousteau and Émile Gagnan with high-quality diving products. Get yours from Divestock today! Worldwide shipping. Divestock offers hundreds of Aqua Lung products, ranging from tiny spare parts to large kits or divingwear. Have a look and see what you find most appealing today. Add it to your wishlist and have it in your possession in just a few days!