

sets of players: the Russians, the malthusians, and the U.S. military gadget-weapons types. With all the publicity surrounding the issue, we fear that it is, indeed, only a matter of time before a spectacular incident is "staged."

The Russian threat ranges from *irregular warfare* scenarios among terrorists or Russian special forces to full-scale ABC (atomic, biological, and chemical) assault in a first strike *regular warfare* strategic deployment.

One of the real threats of biological warfare weapons is their use by terrorist groups or Russian special forces teams (spetsnaz) deep behind Western lines. Russian commanders would "lend" the technologies easily to units who were part of irregular warfare deployments. The weapons can either be used as precision-targeted "poisons," or as weapons of mass destruction or incapacitation to "soften up" an adversary or overwhelm its health care system on its own territory. As Joseph D. Douglass, Jr. documented in his book *America the Vulnerable*, the Russians have already facilitated the proliferation of narcotics in the West as "biochemical warfare," for example.

The malthusian threat stems from the fact that "globalist" institutions such as the International Monetary Fund, the World Health Organization, the U.S. State Department, the United Nations, and so forth are fiercely committed to the proposition that there must be enforced drastic reduction of the world's population. The think tanks which support these population reduction fanatics have not only done studies which show that disease is an "efficient" means to commit mass murder. *Malthusian biological warfare* has passed into the hideous genocidal implementation phase in Africa and Ibero-America, as this journal has repeatedly documented. The massive AIDS death toll in Africa is directly a consequence of the malthusian policies imposed there.

Ironically, the threat of deployment by some U.S. low-cost "weapons application nut" stems from the weakness of the American biological research program. The latest books and Jeremy Rifkin imply that biological research has had a heyday under the Reagan administration. In fact, nothing could be further from the truth. Rather than a multi-track effort to advance basic biological science, outside the engineering and technology aspects of molecular biology, all of the most advanced areas biophysics and electromagnetic interactions with living matter have been downgraded.

Such anti-science biases stem from the same sort of moral crisis which has given enormous institutional power to avowed malthusians.

Since the United States has degraded its commitment to fundamental scientific research for budget-cutting considerations, anti-science "military-applications" jarheads in uniform and in defense industry have attempted all sorts of shortcuts to oversell various weapons gimmicks. In this context, we dread the decisions that some military jarheads may make or already have made about the use of biological weaponry in the interest of cost-efficiency.

A society which is dedicated to fundamental scientific progress doesn't have to worry about weapons systems because they can always be pulled "off the shelf" from the ever-advancing scientific and technological frontiers. History affords us some excellent examples. No better designers of advanced military weapons can be found than such universal scientific geniuses as Leonardo da Vinci, Archimedes, and the great 18th-century French geometer Gaspard Monge, for example.

The antidote to the threat of biological warfare is to unleash a renaissance in the life sciences, particularly advancing the areas of optical biophysics and the nonlinear electromagnetic properties of the biological field. Not only will we be able to keep people healthier, happier, and longer-lived, but we will also be invincible to any barbaric peoples who would even think of challenging that commitment.

We are living in an age of unprecedented advances in the biological sciences, yet we are being devastated by AIDS and other deadly diseases. We must rapidly restore our civilization's moral and financial commitment to fundamental scientific development and demand that scientists themselves take their moral responsibilities seriously. If we can achieve that, there will be no large-scale biological warfare incident. If we do not restore that commitment, the occurrence of an unspeakable atrocity is only a matter of time.

Books Received

Chaucer, His Life, His Works, His World, by Donald R. Howard. E.P. Dutton, N.Y., 1987. \$29.95 hardbound, 636 pages.

Symmetry Through the Eyes of a Chemist, by Istvan Hargittai and Magdolna Hargittai. VCH Publishers, Inc., N.Y., 1987. \$24.95 paperbound, 458 pages.

The Jews of Paris and the Final Solution: Communal Response and Internal Conflicts 1940-1944, by Jacques Adler. Oxford University Press, N.Y., 1987. \$32.50 hardbound, 310 pages.

Aneurin Bevan: And the Mirage of British Socialism, by John Campbell. W.W. Norton and Co., N.Y. and London, 1987. \$25.95 hardbound, 430 pages.

Reminiscences About a Great Physicist: Paul Adrien Maurice Dirac, edited by Behram N. Kursunoglu and Eugene P. Wigner. Cambridge University Press, New Rochelle, N.Y., 1987. \$49.50 hardbound, 297 pages.

The Prosecutors: Inside the Offices of the Government's Most Powerful Lawyers, by James B. Stewart. Simon and Schuster, N.Y., 1987. \$19.95, hardbound, 378 pages.