Late Night Thoughts

O friends, friends, not these sounds! 
Let us sing something more pleasant, more full of gladness. 
O Joy, let us praise thee!

Schiller: Ode to Joy [Translator: Louis Untermeyer]

Lewis Thomas, the physician-administrator-writer, in one of his last essays "Late Night Thoughts on Listening to Mahler's Ninth Symphony," published in 1980, expressed wonder and grief at the legacy confronting young people at that time. Instead of emerging from their educational incubators to face the world with bright futures, he saw the potential for mankind's destruction from nuclear weapons as a dark cloud that cast a shadow over future hope and optimism.

This month marks the 50th year since the atom bomb was detonated over Hiroshima and Nagasaki. Whereas the issues leading to these events are still debated, clearly that action wrought extensive death and suffering to the citizens of those cities; so much so that their very names have become synonyms for the awful destructive capacity of nuclear weapons.

Japan's prominence as a world leader, its prosperous and proud nuclear energy industry and nuclear medicine community, is a testament to the fortitude and collective wisdom of the Japanese people despite the terrible introduction of atomic energy experienced by this nation.

No special merit is derived from suffering or nations failing to find a peaceful resolution of differences. The examples of Hiroshima and Nagasaki, however, have served to forge a conscience for the world. Despite the cold war and the many years of friction between the major world powers, further use of these weapons has not occurred. Instead, we have witnessed the beginnings of nuclear disarmament and the development of peaceful uses of the atom. Nuclear medicine today is an essential element in diagnostic medicine; indeed, the techniques learned in using its magic bullets for medical diagnosis are on the brink of wide utility as radioactive therapeutic agents. Nuclear power, the generation of electricity from water heated by fusion, also provides a significant fraction of the electricity consumed throughout the world. Although issues of fuel recycling, waste disposal and societal acceptance of this source of energy are unresolved, the fact remains that much of the standard of living throughout the world now depends on nuclear power.

(Continued on page 1362)
REFERENCES


Scatter
(Continued from page 5A)

Happily, Thomas’ foreboding evoked by Mahler’s Ninth Symphony has not been sustained by events since the publication of that essay. In seeking inspiration in music, I prefer the message of Beethoven’s Ninth Symphony in which the promise of the first movement, darkened by the brooding of the second, is ultimately fulfilled in the fourth. The exhilaration and optimism are explicitly expressed in the words of Schiller which become the text for the final movement. This renaissance of hope occupies my thoughts as I recall the dark days of 50 years ago and the progress since then in using atomic energy.

Stanley J. Goldsmith, MD, Editor-in-Chief
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