

responsive new sources, it is reasonable to expect research contributions to assure safety, acceptability, and compatibility with the national goal. On this point it is significant that atmospheric science and the health effects of chemical exposures (two of the three elements of the energy-related *source-transport-effect* triad) were among the seven research areas recently identified by the President's Science Advisor as likely to return the highest future scientific dividends as a result of incremental federal investments.

The promise for the future therefore lies within the program's traditionally interactive and interdisciplinary approach to complex problems. New biophysical and chemical tools and techniques in biomedical and environmental research now make it possible to attempt unprecedented studies on cells, molecules, and processes relevant to the "triad." These technical advances, applied to basic studies, will continue to contribute to answering energy-related questions, as well as to increasing knowledge about *causes* and *effects* in biological systems. And, as in the search for radiation repair mechanisms which led to discoveries of DNA behavior and important theories of the nature of human disease and its treatment, the program's research will continue to lead in making fundamental and practical contributions in reducing uncertainties on the health and environmental aspects of emerging energy technologies.