

and the history of the development of science in different political settings and therefore different value systems. But we are not drawn by his book to ask the startling question: Who is our Lysenko? That is, where in this society are scientists performing research that does no more than express an official or socially accepted ideology? We must look up from a book on science and values a little more shaken and a little more suspicious of ourselves than Graham leaves us.

Graham's description of expansionism is a useful starting point. The three aspects he describes must be retained in future analyses, but they must also be reorganized and made symmetrical or reflexive before we have the framework we need. How do values enter the search for truth? How do they shape technology? How do they affect the style of inquiry in science? Finally, and most urgently, how are social values expressed in the construction of the scientific theories intended to explain the social structures that express these same values?

To restrictionism and expansionism we must add something like "expressionism": an investigation of science as a language and social practice through which values are expressed. This addition could produce a fundamental and illuminating readjustment in Graham's framework.

The book is good. It contains history that everyone should know, and it is thoughtful. The whole picture is there, but seen from an angle that hides from us our self-delusion about our objectivity—a self-delusion we must recognize, subjectively, as approaching the suicidal.

ROBERT LANGE
Brandeis University

book note

Physics in the Netherlands: A Selection of Dutch Contributions to Physics in the First 30 Years After the Second World War. Vols. 1 and 2. J. J. Broeder, K. H. Chang, D. G. B. J. Dieks, L. S. J. M. Henkens, C. M. E. Otten. 690 pp. Foundation for Fundamental Research on Matter, Utrecht, 1982.

Marked by the contributions of Johannes van der Waals, H. Kamerlingh Onnes, Hendrik Lorentz and Pieter Zeeman, Dutch physics rose to prominence at the end of the last century. Up to then a fallow period of 200 years had extended from the death in 1695 of Christiaan Huygens. The present report was undertaken to assess the role Dutch physics played in world-wide developments subsequently, in the 30 years after the second world war, when substantial growth occurred in physics research in the industrialized countries. Based on consensus reached

after extensive peer review, the report describes advances in the "core fields" of physics. There are chapters, each incorporating experimental and theoretical work, on atomic, molecular and statistical physics; condensed matter; nuclear physics; elementary particles and fields; discharges and plasma physics; optics. They are written for specialists and nonspecialists and include research done in universities, industry, government labs and other nonprofit institutions. A concluding chapter ex-

amines the social framework within which research has been conducted. It treats the organization of physics research, allocation of funds and personnel, and the professional life of physicists. —DG

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