Introduction
(Proceedings of the First Workshop on Ethical Issues in Physics)

On July 17-18, 1993 a workshop was held at Eastern Michigan University's Corporate Education Center to take an interdisciplinary look at ethical issues in physics and discuss possible avenues for incorporating these issues into a physics curriculum. The workshop included six formal presentations, texts of which follow, and much lively discussion. Discussion of the ethical issues themselves revolved around questions which can be grouped in the following categories:

What are the fundamental ethical principles relevant to physics?

How are those principles applied to specific situations?

Are there documented cases in physics of significant breaches in ethics?

Are there aspects to the structure of the field which foster unethical behavior?

The first paper, by David Resnik, introduces the underlying ethical principles in the field of physics. Next, Marshall Thomsen discusses current efforts to incorporate ethical issues into the physics curriculum at Eastern Michigan University. Ullica Segerstråle examines issues related to data analysis and specifically on what grounds data can be omitted from the formal presentation of final results. J. P. Sheerin looks at conflicts of interest in peer review at the national labs, and Ruth Howes discusses conflicts which arise as physicists work in political and/or classified environments. Finally, the public's perception of the field of physics is examined by Francis Slakey. Following the text of each of the six presentations, there is a summary of the workshop discussions and other responses to the presentation. Finally, a list of specific questions and issues raised has been compiled.

The editor is grateful for the assistance of many in the organization and running of the workshop, including Rachelle Hollander, Robert Welch, Art Hobson, Ron Westrum, Jim Sheerin, and the staff of the Corporate Education Center at Eastern Michigan University. Thanks are also due to those not involved directly with the workshop presentations who have taken time to read and comment on earlier drafts of this publication: Priscilla Auchincloss, John Thomsen, and Bonnie Wylo. Many of their comments have been incorporated into the discussion sections. Finally, technical assistance from Mary Jane Callison at all stages of this project is gratefully acknowledged.

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