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ABSTRACT

This document is the last of three volumes of the proceedings of an international seminar which focused on student misconceptions in science and mathematics as well as teaching strategies intended to deal with those misconceptions. An introduction to the volume explains the format of the conference and the organization of the sessions. It stresses the attention given to constructivism by the participants, as well as some of the problems associated with defining misconceptions and alternative frameworks. The remainder of the document contains 62 of the papers presented at the seminar, arranged in alphabetical order by senior author. These papers focused mainly on physics, mathematics, and chemistry. In addition, the document contains a list of the conference participants. (TW)

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Proceedings of The

Second International Seminar

MISCONCEPTIONS AND EDUCATIONAL STRATEGIES IN SCIENCE AND MATHEMATICS

July 26 - 29, 1987

CORNELL UNIVERSITY, ITHACA, NY, USA

Volume III

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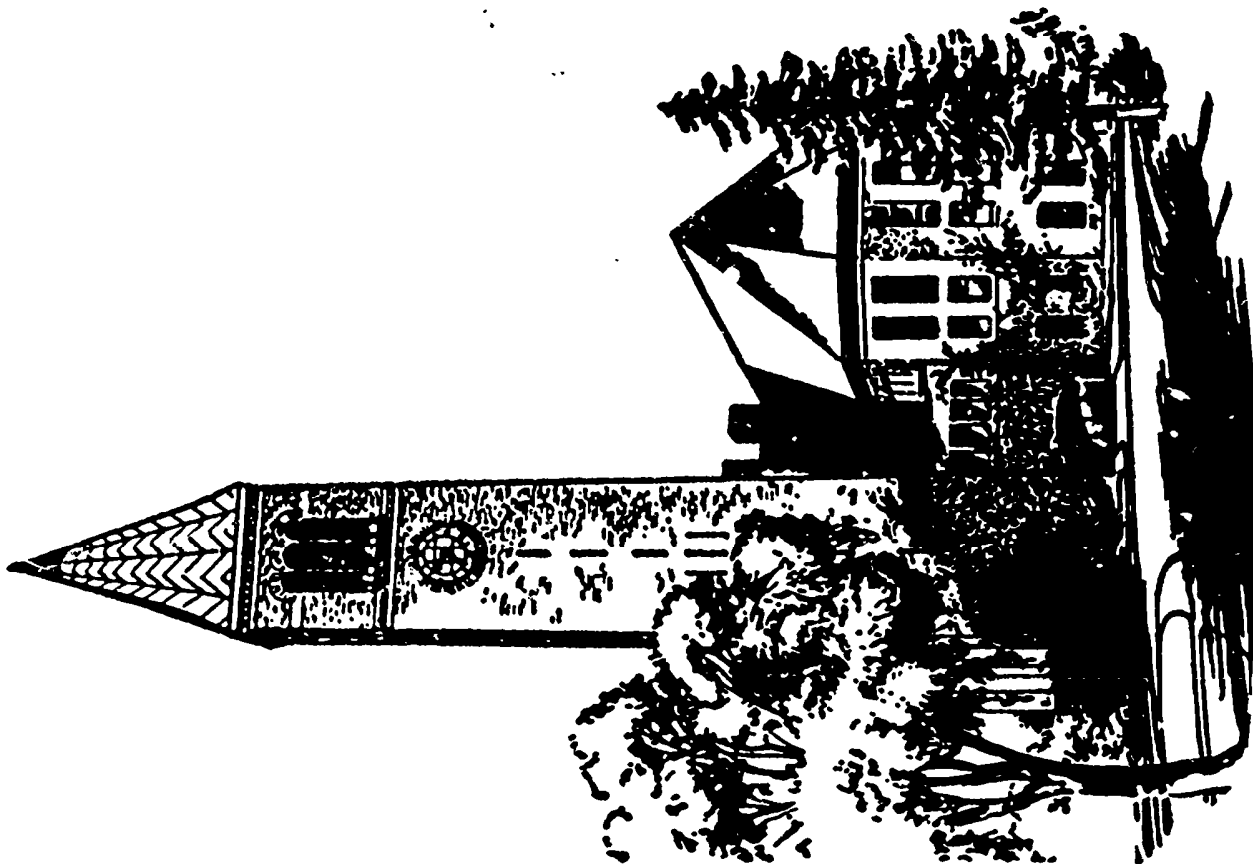
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Joseph D. Novak
Professor of Science Education
and Biological Sciences
Cornell University

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PROCEEDINGS CONTENT BY VOLUME

VOLUME I: Overview of the Seminar; Epistemology; Research Methodologies; Metacognitive Strategies; Use of Computers; Roster of Participants

VOLUME II: Overview of the Seminar; Teacher Education; Teaching Strategies; Biology; Elementary Science; Roster of Participants

VOLUME III: Overview of the Seminar; Physics; Mathematics; Chemistry; Roster of Participants

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J.D. Novak
Department of Education
Cornell University
Ithaca, New York 14853 U.S.A.
Telephone: (607) 255-2267

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