Contents

From the Editor
2 Integrity and Conscience among the Saber-tooth Tigers
   by James E. LaPorte

8 Curriculum Consonance and Dissonance in Technology Education
   Classrooms
   by Ryan A. Brown

23 Technology-Based Content through Virtual and Physical Modeling: A
   National Research Study
   Jeremy V. Ernst and Aaron C. Clark

37 A Theoretical Framework to Guide the Re-Engineering of Technology
   Education
   Todd Kelley and Nadia Kellam

50 A New Generation of Goals for Technology Education
   John M. Ritz

65 Essential Concepts of Engineering Design Curriculum in Secondary
   Technology Education
   by Robert Wicklein, Phillip Cameron Smith, Jr., and Soo Jung Kim

Miscellany
81 Scope of the JTE
   Editorial/Review Process
   Manuscript Submission Guidelines
   Subscription information
   JTE Co-sponsors and Membership Information
   Electronic Access to the JTE