

Building a Professional Knowledge Base for Mathematics Teacher Education:

Reflections on the First Three Years of *Mathematics Teacher Educator*

Peg Smith
Editor

Mathematics Teacher Educator

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AMTE Annual Meeting
Orlando, FL



Overview

- Provide a brief history of the journal
- Review the vision the founders had for the journal and the progress that has been made in making the vision a reality
- Discuss the status of the journal and what we need to do as a community to realize the journals full potential
- Reflect on the journey that got us to this point



The Birth of the Journal

*Based in part on a presentation at AMTE in 2011 by Barbara
Reys, Alfinio Flores, and Peg Smith*





1991 AMTE is Founded

2002 AMTE Monograph Established

2008 AMTE Publications Task Force Appointed
2009 AMTE Journal Task Force Appointed
2010 AMTE and NCTM Agree to Co-Publish MTE

Journal Time Line



Journal Time Line

What the Journal Represents

- Collaboration between the two premier organizations in mathematics education -- AMTE and NCTM
- The first journal dedicated to mathematics teacher education, providing a forum for scholarly work related to the professional education of teachers of mathematics and a springboard for professional conversation.



Mission

- The journal will build a professional knowledge base in mathematics teacher education that stems from, develops, and strengthens practitioner knowledge.
- The journal will provide a means for practitioner knowledge in mathematics teacher education to be public, shared, stored, verified, and improved over time (Hiebert, Gallimore, and Stigler, 2002).



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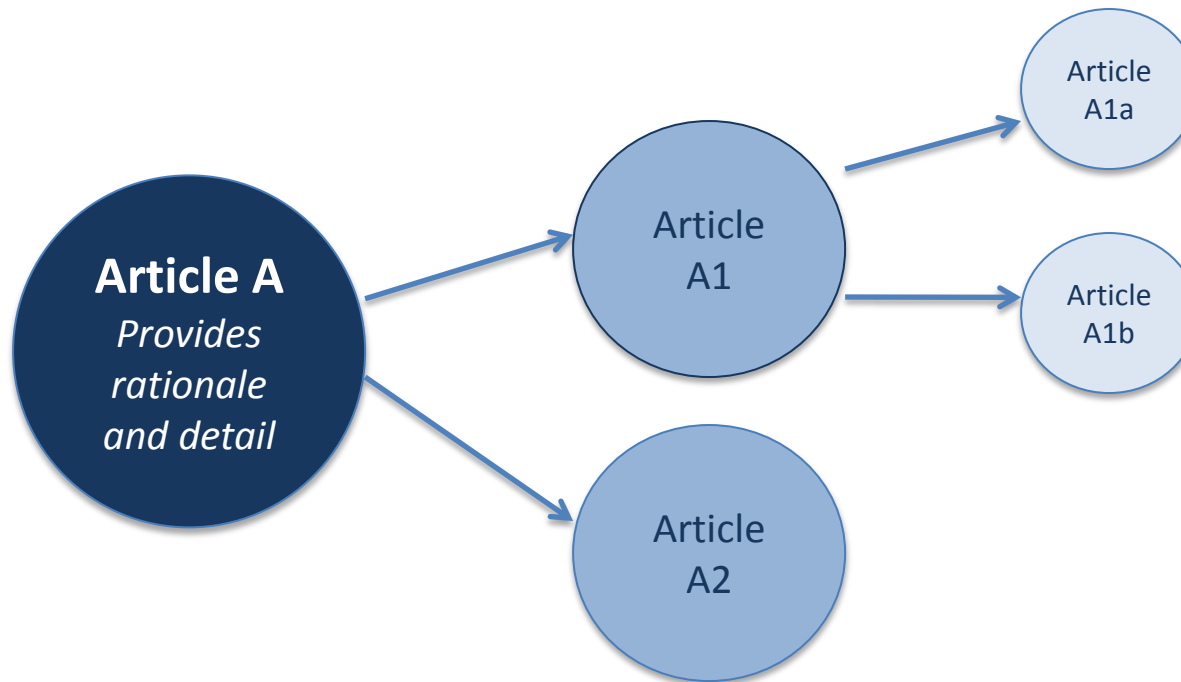


Building a Professional Knowledge Base

- Public, Shared, and Stored
 - [Example 1](#)
 - [Example 2](#)
- Verified and Improved Over Time
 - [Example 3](#)



Editor's Vision (circa 2011)



Success?

- 29 quality articles representing a wide range of authors, institutes, and venues.
- From 2013-2014 individual subscriptions to the journal rose more than 70%, while the number of institutional memberships more than doubled.
- Authors, even those whose manuscripts have been rejected, have indicated that they appreciate the [feedback](#).
- Over the past three years, there has been a 27% decrease in the number of manuscripts that have been withdrawn without review.
- The number of manuscripts reviewed increased by more than 20% in the past year.



Challenges

- The relatively small number of submitted manuscripts (30 out of 294) that have met the establish criteria. As a result, we have not been able to fill 4 out of 6 issues.
- The need to verify and improve knowledge over time.



Addressing the Challenges

- Make criteria more transparent
- Feature successful authors who can talk about their experiences
- Call for manuscripts on particular topics
- Invite manuscripts



The Journey





The Edge of Glory (Lady GaGa, 2011)





A Hard Day's Night (Beatles, 1964)





Everyday Is A Winding Road (Sheryl Crow, 1996)



Melissa Boston, Duquesne University, PA; 2011-2015 (Associate Editor)

Christine Browning, Western Michigan University, MI; 2012-2015 (AMTE Publications Director 2012-2015)

Tom Dick, Oregon State University, OR; 2011-2013

Editorial Board 2011-2015

Rebekah Elliott, Oregon State University, OR; 2014-2017

Anthony Fernandes, University of North Carolina-Charlotte, NC; 2013-2016

Alfinio Flores, University of Delaware, DE; 2011-2013 (AMTE Publications Director 2011-2012)

Gladis Kersaint, University of South Florida, FL; 2012-2015 (NCTM Board Liaison 2012-2015)

Diana Lambdin, Indiana University, IN; 2011 -2014 (NCTM Board Liaison 2011-2012)

Rheta Rubenstein, University of Michigan-Dearborn, MI; 2011-2014

Jeff Shih, University of Nevada, Las Vegas, NV; 2014-2017

Denise Spangler, University of Georgia, GA; 2011-2015 (Chair 2011-2014)

Laura Van Zoest, Western Michigan University, MI; 2013-2016 (Chair 2014-2015)

Tad Watanabe, Kennesaw State University, GA; 2011-2015



Thanks Too To...

- David Barnes (2011-2013); Michael Fish (2013-); Karen King, (2011-2012); NCTM Staff Liaisons
- Pamela Tilson, Senior Copy Editor, NCTM
- Guest Editors: Melissa Boston, Sandra Crespo, Denise Spangler, Lynn Stallings, Denisse Thompson, Laura Van Zoest
- The 258 reviewers who reviewed at least one manuscript
- The 294 authors who submitted manuscripts
- The Mathematics Teacher Education Community for supporting *MTE* and the editor!



Next Editor



Sandra Crespo

GO FORTH

AND WRITE AN ARTICLE!

Mathematics Teacher Educator

EDITORIAL

- 1 **The Mathematics Teacher Educator: An Opportunity to Share, Verify, and Improve Practitioner Knowledge**
Margaret S. Smith

COMMENTARIES

- 2 **The Mathematics Teacher Educator: A Milestone in the History of the Association of Mathematics Teacher Educators**
Marilyn Strutchens
The Mathematics Teacher Educator: The Evolution of a New Journal
J. Michael Shaughnessy

ARTICLES

- 3 **Mathematics Preservice Teachers Learning About English Language Learners Through Task-Based Interviews and Noticing**
Anthony Fernandes
- 4 **The Role of Writing Prompts in a Statistical Knowledge for Teaching Course Supplement: Assignments**
Randall E. Groth
- 5 **Capitalizing on Productive Norms to Support Teacher Learning**
Laura R. Van Zoest and Shari L. Stockero
- 6 **The Content-Focused Methods Course: A Model for Integrating Pedagogy and Mathematics Content**
Michael D. Steele and Amy F. Hillen
- 7 **Using “Lack of Fidelity” to Improve Teaching**
Supplement: Lesson Plans
Anne K. Morris



Mathematics Teacher Educator

EDITORIAL

- 3** Revise and Submit: It's Not a
Consultation Prize!
Margaret S. Smith

ARTICLES

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THANKS FROM NCTM

- 99** NCATE Program Review Recognition



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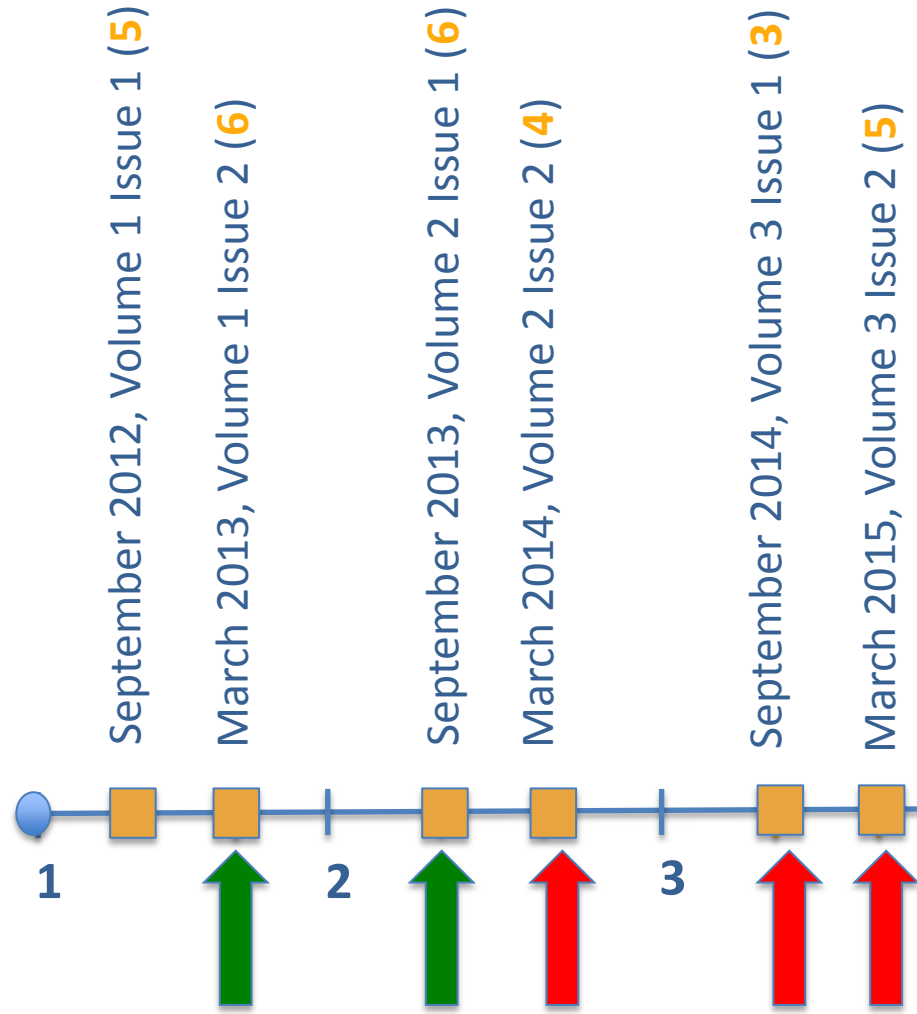
ARTICLES

- 108** Use of Video Analysis to Support Prospective K-8 Teachers' Noticing of Equitable Practices
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- 141** Breaking Conventions to Support Quantitative Reasoning
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Author's Comments

- *Thank you for the feedback regarding my submitted article. The feedback was very helpful and I think it has given me a better sense of the scope of the journal as a whole. I do not know if you typically do things like this, but I would appreciate you sending my particular thanks along to reviewer 2. His/Her comments were very insightful and helpful in moving forward. I plan on composing another article framing this work from a different perspective and providing more emphasis on the details of my study and the evidence. I hope that it will be a better fit for the journal. [Author 1]*
- *Thank you very much for this notification. I appreciate your time, the reviewers' time, and the thoughtful response you composed and reviews you forwarded. I look forward to reworking the paper given this helpful feedback. [Author 2]*





of Manuscripts Published



Denise Spangler Chair, 2011-2014



Melissa Boston

Associate Editor, 2011-2015



MTE Board September 2014

Kristen Bieda

Sandra Crespo

