



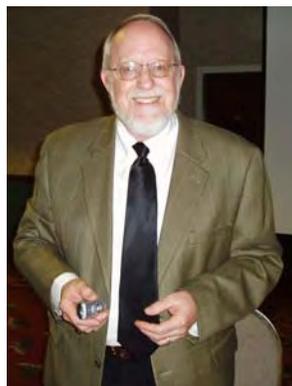
THE MATH-SCIENCE CONNECTOR

2006 Convention A Success

Inside this Issue:

SSMA Awards Breakfast	2-3
Election Slate	4
Award Nominations Call	4-5
Call for BOD Nominations	5
Memories of 2006 Convention	6
Call for Speakers	7-8
Membership Application	9
Employment Opportunities	10
Contact Information	11
Invitation to Indianapolis, IN	12

The School Science and Mathematics Association Annual Convention was held in Missoula, Montana at the Holiday Inn Parkside Hotel on October 26-28, 2006. While weather problems prohibited some from attending, there were still approximately 156 Convention attendees able to make it. Keynote speakers included **Dr. Johnny Lott** on Thursday evening, **Dr. Steve Running** during the Friday Luncheon, and **Dr. Walt Woolbaugh** during the Saturday Luncheon. Convention sessions ranged from research presentations to hands-on discovery activities.



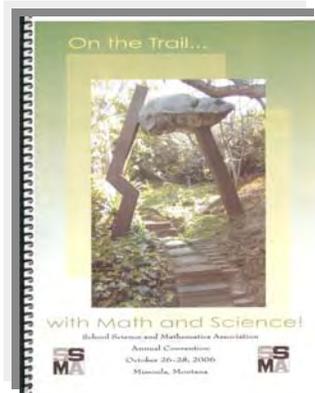
Dr. Johnny Lott
Director of the Center for
Teaching Excellence



Dr. Steve Running
Director of Numerical
Terradynamic Simulation Group



Dr. Walt Woolbaugh
Montana State University
The Magic of Science



Thanks to **Georgia A. Cobbs (Local Arrangement Chairperson)** and **Ken Miller (Program Chairperson)** for a wonderful convention! They planned a great time for all who attended. Check the newsletter for how carried away Georgia was with all the activities!



2006 SSMA Awards Breakfast

2006 George G. Mallinson Service Award

Donna Berlin was awarded the 2006 George G. Mallinson Service Award by SSMA President **Carol Stuessy**



Professor Donna F. Berlin is a faculty member in Mathematics, Science and Technology Education at The Ohio State University (OSU). Dr. Berlin has made unique contributions of service and scholarship in the areas of science and mathematics education as a result of her ability as a mathematics educator to seamlessly interface between the mathematics education and the science education communities. She is known nationally and internationally as the major authority on the integration of mathematics and science education. She has served as President and on the Board of Directors for the School Science and Mathematics Association (SSMA); Director of the Integration of Science and Mathematics Education Focus Area for the National Center for Science Teaching and

Learning (NCSTL) and Mathematics Education Associate for The Eisenhower National Clearinghouse for Mathematics and Science Education both funded by the United States Office of Education; and co-organizer of eleven international conferences for the International Consortium for Research in Science and Mathematics Education (ICRSME). Her service to SSMA has included active participation as a member of the Policy Committee, the Finance Committee Chair, the Awards Committee, the Endowment Committee, the Nominations and Elections Committee, the Publications Committee, the General Convention and Program Co-Chair for the Columbus, Ohio meeting, chair of the Task Force to Develop a Position Statement on the Integration of Science and Mathematics Education, the School Science and Mathematics SSMILes Department Editor, the Integration of Science and Mathematics Education Ad Hoc Committee, the Task Force on Middle School Science and Mathematics, and co-principal investigator and co-author of a National Science Foundation/School Science and Mathematics Association/Johnson Foundation proposal which was funded to hold a Wingspread conference and for the development of a network for the exploration and articulation of the integration of science and mathematics teaching and learning. Professor Berlin also directed an Academic Challenge Program for the Development and Implementation of Action Research at OSU as a component of professional development for inservice and preservice teachers. She has served on Advisory Boards, keynote speaker; and conducted workshops related to science and/or mathematics education around the world. The organizations for which these services have been rendered include: 1) the National Council of Teachers of Mathematics; 2) School Science and Mathematics Association; 3) The Indiana Council of Teachers of Mathematics, 4) the Whitaker Center for Science, Mathematics and Technology Education (Florida Gulf Coast University); 5) Integrated Mathematics, Science, and Technology (NSF Project); 6) Exploring Mathematics in the Real World (NSF Project); 7) White House Education Forum (USDOE); 9) New Jersey Statewide Systemic Initiative (NSF); 9) Teacher-Led Inquiry Conference planning committee (OERI); 10) Secretary's Third Conference on Science and Mathematics Education Assessment planning committee (OERI); 11) Math-Science Partnership of Puerto Rico conference keynote speaker (USDOE); 12) Eleven Consultations of the International Consortium for Research in Science and Mathematics Education; 13) two International Conferences on Mathematics Education into the 21st Century (Cairo, Egypt and Amman, Jordan); and 15) International Conference on Science, Mathematics and Technology Education (Hanoi, Vietnam). Professor Berlin has previously been recognized by The Ohio State University for her dedication to her students. She is regularly sought out as a major advisor because of her reputation as a scholar and as a caring individual. Donna F. Berlin was selected to receive the 2006 Mallinson Award for Distinguished Service because of her display of excellence in the cultivation of new leaders, especially teachers and teacher educators, into leadership roles; and for her continual drive, passion, and integrity for excellence in science and mathematics teaching, learning, and leadership.



Julie Thomas



Georgia Cobbs



Alan Zollman

SSMA President Carol Stuessy thanked and gave awards to outgoing SSMA Board of Directors members.



2006 SSMA Awards Breakfast

2006 Early Career Scholar Award

Carla C. Johnson was awarded the 2006 Early Career Scholar Award by SSMA President **Carol Stuessy**

Dr. Carla C. Johnson is a faculty member in Science Education at the University of Toledo. Dr. Johnson was selected as the recipient of the Outstanding Early Career Scholar Award from the School Science and Mathematics Association (2006), based upon her scholarly work in the areas of effective science instruction, student achievement, and professional development. Among her upcoming publications are a manuscript entitled "A study of sustained, whole-school, professional development on student achievement in science" in the *Journal of Research in Science Teaching* and another called, "Whole school collaborative professional development and science teacher change: Signs of success." to appear in the *Journal of Science Teacher Education*. Dr. Johnson also has papers accepted with *Science Education*, *International Journal of Leadership in Education*, *The Science Teacher*, *Science Scope*, as well as an upcoming monograph for the *National Science Foundation* and a chapter in the *Handbook of Curriculum and Instruction* and the *International Encyclopedia of Education*. Dr. Johnson is President of the National Middle Level Science Teachers Association and is on the board of directors of the National Science Teachers Association. Dr. Johnson currently is working on a Teacher Quality Research in Mathematics and Science grant with schools in Utah on a program of effective, sustained, collaborative, professional development for teachers of linguistic minority students in science. In addition, Dr. Johnson is currently heading up the Math and Science Academy partnership between UT and Toledo Public Schools, as well as starting up the National Center for Advancing Teaching and Learning of Science/Technology Education (CATALyST) at the University of Toledo.



Art White thanked outgoing SSMA president **Carol Stuessy**



Sandi Cooper and **Julie Thomas**
New SSMA Executive Co-Directors



Carol Stuessy thanked outgoing SSMA Executive Director **Art White**

Past SSMA Presidents at the SSMA Awards Breakfast



Donna Berlin
2002-2004



Jim Elander
1969



Bill Speer
2000-2002

Slate for the 2006-2007 SSMA Elections

The SSMA Nomination and Election Committee present the following candidates for President and Board of Directors. The Spring 2007 Math-Science Connector will include biographical information on each candidate.

Candidates for President	
Thomasenia Adams Lott University of Florida 186 Norman Hall Gainesville, FL 32611 tla@coe.ufl.edu	Alan Zollman Northern Illinois University Watson Hall 352 De Kalb, IL 60115 zollman@math.niu.edu

Candidates for the Board of Directors	
<i>Mathematics</i>	<i>Science</i>
Judy Beauford University of the Incarnate Word 4301 Broadway San Antonio, TX 78209 beauford@uiwtx.edu	John Park North Carolina State University 502D Poe Hall Raleigh, NC 27695 park@unity.ncsu.edu
Alfinio Flores Arizona State University Payne 214D Tempe, AZ 85287 alfinio@asu.edu	Molly H. Weinburgh, Ph.D. Texas Christian University Box 297920 Fort Worth, TX 76129 M.Weinburgh@tcu.edu



Call for 2007 Awards

The SSMA Awards Committee invites the membership to submit nominees to be considered for the **GEORGE G. MALLINSON DISTINGUISHED SERVICE AWARD** and **AWARD FOR EXCELLENCE IN INTEGRATING SCIENCE AND MATHEMATICS** to be awarded at the 2007 Annual Convention in Indianapolis, IN. The criteria for each award are listed below. Previous winners of the awards can be found at the SSMA website (<http://www.ssma.org>).

GEORGE G. MALLINSON DISTINGUISHED SERVICE AWARD

The guidelines for the Distinguished Service Award, which may be given annually by SSMA, are as follows:

- Nominee should have been a member of SSMA for at least 10 years.
- Nominee should have shown substantial participation and leadership in SSMA activities such as paper presentations at meetings, committee work, membership work, reviewer for journal, etc.
- Nominee should have exhibited scholarship, leadership, and/or teaching excellence in mathematics/science education.

Any member of SSMA is free to nominate a person(s) satisfying the criteria noted above. An application may remain active for three years. Winner receives a complimentary conference registration.

Submission Requirements (PDF preferred; Word file also accepted)

- **vita**
- **Summary (double-spaced; 12 font) addressing:**
 - **How nominee has shown substantial participation and leadership in SSMA activities**
 - **How nominee has exhibited scholarship, leadership, and/or teaching excellence in mathematics/science education**

Materials (for each award) are to be sent electronically to:
Gregory Chamblee (gchamblee@georgiasouthern.edu) prior to **March 5, 2007**

AWARD FOR EXCELLENCE IN INTEGRATING SCIENCE AND MATHEMATICS

The guidelines for the Award for Excellence in Integrating Science and Mathematics are as follows:

- Nominee should be a person or group who/which has fostered, promoted, and extended the integration of mathematics/science at the elementary, secondary, or university level.
- Nominee should be active in science/mathematics education and in the development of curricula for the preparation of teachers, educational research, or other activities of significant educational value.
- Nominee should have shown an impact on science/mathematics education.

Any member of SSMA is free to nominate a person(s) satisfying the criteria noted above. The nominee need not be a member of SSMA. Winner receives a complimentary conference registration.

Submission Requirements (PDF preferred; Word file also accepted)

- **vita**
- **Summary (double-spaced; 12 font) addressing:**
 - **How person or group has fostered, promoted, and extended the integration of mathematics/science at the elementary, secondary, or university level**
 - **How person or group has impacted science/mathematics education**

OUTSTANDING EARLY CAREER SCHOLAR AWARD

The Early Career Scholar Award acknowledges contributions to science and/or mathematics education during the five years immediately following receipt of the doctoral degree. To qualify for the award the nominee must have received the doctoral degree on or after May 1, 2002.

The Early Career Scholar Award winner will be invited to speak at the Annual Convention, receive \$500 towards conference travel expenses and complimentary registration.

Any member of SSMA is free to nominate a person(s) satisfying the criteria noted above. The nominee must be a member in good standing for 1 year prior to submitting application & a member in good-standing to receive the award.

Submission Requirements (PDF preferred; Word file also accepted)

- **Vita**
- **Three exemplary scholarly works**
(Materials need to relate to common mathematics/science education themes: Integration; Technology; Constructivism/Inquiry; Professional development; Other)
- **Two-page (double-spaced; 12 font) summary addressing:**
 - **Research interests**
 - **How submitted scholarly works have impacted research area**
- **Two support letters emailed separately**
(One support letter must be from non-dissertation committee member)

Materials (for each award) are to be sent electronically to:
Gregory Chamblee (gchamblee@georgiasouthern.edu) prior to **March 5, 2007**



Gerald Kulm
New SSMA Journal Editor

Dr. Gerald Kulm
Texas A&M University
Dept. of Teaching, Learning, & Culture
College Station, TX 77843-4232

Nominations for SSMA Board of Directors

To nominate a candidate to serve on the SSMA Boards of Directors, a petition of twenty-five (25) signatures can be sent to Kees de Groot, Chair of the Nomination and Election Committee. Please contact at:

Cornelis (Kees) de Groot
State University of New York at New Paltz
75 S. Manheim Blvd.
New Paltz, NY 12561
degrootc@newpaltz.edu

Memories of the SSMA Annual Convention



Fall 2006 – Missoula, MT



School Science and Mathematics Association

2007 Annual Convention

Thursday-Saturday, November 15-17, 2007

Indianapolis, Indiana

Adam's Mark Hotel

2544 Executive Drive

Indianapolis, Indiana

800-444-2326

CALL FOR SPEAKERS

If you are interested in presenting a session at the conference, complete the information requested below. You may print this page or log on to the SSMA web site at SSMA.org and send the completed form to:

SSMA Annual Convention
Dr. Don S. Balka
Mathematics Department
Saint Mary's College
Notre Dame, IN 46556

Telephone: 574-284-4496 (O)
Telephone: 574-784-3382
Fax: 574-784-3382

E-Mail: dbalka@saintmarys.edu

After blind review by the program committee, you will be notified whether your proposal is accepted for the program. If you have any questions, contact SSMA Central Office at: E-mail: ssma.educ@ttu.edu or call (806) 742-1997 ext. 313. We look forward to hearing from you.

Speaker Proposal Deadline: May 6, 2007

Name: _____

Affiliation—School/Department: _____

Affiliation Address: _____

City: _____ State: _____ Zip: _____

Home Telephone #: _____ Work Telephone #: _____

Fax #: _____ E-mail: _____

Current Member of SSMA: Yes No

< Over Please >

Proposed Session Title (Approximately 12 words or less):

Purpose or goal of the proposed session:

Abstract of the proposed session (200 words or less):

Please mark all that apply.

Audience: Elementary Middle Childhood
 Secondary College/University

Type of Session: Workshop (90 min.) Regular (50 min.)
 Symposium/Panel (50 min.) Other

Topic(s): Assessment Curriculum Integration
 Informal Education Inquiry Research
 International Learning Teaching
 Teacher Education Technology Other _____

Session Length:
 Select one: 25 minutes 50 minutes 90 minutes

Overhead projectors will be provided in each meeting room. Other special equipment will be the responsibility of the speaker.



School Science and Mathematics Association

Application for Membership

(2006-2007)

School Science and Mathematics Association (SSMA) Membership

Name: _____ E-Mail: _____ Date: _____

Affiliation—School/Department: _____

Affiliation Street Address: _____

City: _____ State: _____ Zip Code: _____ Country: _____

Affiliation Telephone #: _____ Fax #: _____

Home Street Address: _____

City: _____ State: _____ Zip: _____ Home Telephone #: _____

Preferred Mailing Address: Affiliation OR Home

Area(s) of Expertise: (Please check all that apply.)

- Assessment Curriculum Informal Education Integration International
- Inquiry Learning Mathematics Research Science
- Teacher Education Teaching Technology Technology Education
- Other _____

Grade Level(s): (Please check all that apply to your students or to your pre-service/in-service teachers.)

- Pre-K K 1 2 3 4 5 6 7 8
- 9 10 11 12 Post-Secondary Pre-Service In-service

MEMBERSHIP RATES: (Please check one.)

- Active \$50.00/year Active International \$60.00/year
- Student \$25.00/year Student International \$30.00/year
- Emeritus.....\$25.00/year Life \$625.00, one-time payment

(Please check one.) Membership Renewal New Member

X: _____

Signature of Faculty Instructor or Advisor (Students Only)

Mail to:

Check, money order, or cash in US\$ payable to SSMA

School Science and Mathematics Association
 c/o Julie Thomas & Sandi Cooper
 Texas Tech University
 3008 18th Street, Box 41071
 Lubbock, TX 79409-1071

ARE YOU LOOKING FOR A CHANGE?

- **Two Positions in Science and Mathematics Education** -- Florida Gulf Coast University -- Fort Myers, Florida. **Position Description:** Assistant or Associate level positions to teach undergraduate and graduate courses in mathematics and/or science methods for teacher education candidates in PreK-12 programs. Advise graduate students and mentor undergraduate students. Commit to engaging in quality scholarly activity. Actively collaborate with students and colleagues in a variety of university and service activities in a new and rapidly growing university. Serve as a Whitaker Center STEM faculty member. To apply for one of these positions, visit <http://jobs.fgcu.edu>.
- **Elementary and/or Middle Grades Mathematics Education** -- Associate or Assistant Professor. Northern Kentucky University -- Department of Teacher Education and School Leadership. **Responsibilities include:** Teaching undergraduate and graduate elementary and/or middle grades mathematics education courses, supervising field experiences, working collaboratively with colleagues in Arts and Sciences and in urban/suburban/rural field-based programs, engaging in scholarly activity, working with the Kentucky Center for Mathematics (<http://www.kentuckymathematics.org>), academic advising, and community and university service. Interested candidates who meet the above job descriptions should submit application materials to: Dr. Suzanne Soled, Chair; Department of Teacher Education and School Leadership; College of Education and Human Services; Northern Kentucky University, BEP 259; Highland Heights, Kentucky 41099; E-mail: soleds1@nku.edu; For additional information, visit online at <http://coehs.nku.edu/facultystaff/jobs.html>.
- **Elementary Science Education** – Associate/Full (Tenured/Tenure-Track). The Steinhardt School of Education - Department of Teaching & Learning. **Responsibilities:** Teach elementary science education courses; advise undergraduate and graduate students; supervise student teachers; work with doctoral students; develop curriculum; and obtain external funding for, and carry out research projects, both alone and in collaboration with other NYU faculty. The person in this position will participate in all regular Departmental activities. Applicants should mail a letter of application, curriculum vitae, sample publications (2 preferred) and letters from five references to: Prof. Robert Cohen, Department Chair. Attn: Science Education Search, Teaching & Learning, New York University, The Steinhardt School of Education, 239 Greene Street, 6th Floor, New York, NY 10003. For additional information about this position please contact Professor Frances Rust, Search Committee Chair, at frances.rust@nyu.edu or (212) 998-5463. Review of applications will begin immediately and will continue until the search is completed.
- **Elementary Science Education** – Assistant Professor – Tenure Track. University of Arkansas – College of Education and Health Professions – Department of Curriculum and Instruction. **Responsibilities:** Teach elementary science education courses, advise undergraduate and graduate students, assist in the development of a center for study of science teaching and learning, work with and supervise doctoral students, conduct research projects both alone and in collaboration with science education and science faculty across the campus and obtain external funding to support research and curriculum development endeavors. Applicants should mail a cover letter, curriculum vitae, sample publications or writing samples (two preferred) along with the names and contact information of three references to: Prof. William McComas, Science Education Search Chair, Department of Curriculum and Instruction / PEAH 217, College of Education and Health Professions, University of Arkansas, Fayetteville, AR 72701. Telephone 479-575-7525. Reviews of applications will begin on December 8, 2006. For extended information about this position, please review the full job description posted at <http://www.scienceeducation.org>.
- **Wyoming Excellence in Higher Education Endowed Chair in Science Education** -- **Responsibilities include** research, collaboration with interdisciplinary teams in seeking extramural funding, teaching in areas of expertise, and service/outreach on a state and national level. Applications should include a statement of research and teaching interests and accomplishments, a curriculum vita, and the names and contact information for 5 references. Send an electronic copy of the application materials to Ms. Debra Dobbryn at ddobbryn@uwyo.edu. Additional materials can be sent directly to Dr. Judith Ellsworth, Search Committee Chair, Dept. 3992, 1000 E. University Ave., Laramie, WY 82071. Applicant screening will begin on February 2, 2007 for a position to start the fall semester 2007. Additional information may be found on the UW web page at www.uwyo.edu and www.laramie.org.

SSMA CONTACT INFORMATION

Name / Position(s)	Mailing Address	Phone / Email
Arthur White President, 2006-2008	The Ohio State University 238 Arps Hall 1945 North High Street Columbus, OH 43210-1172	Phone: (614) 292-8061 Fax: (614) 292-7695 white.32@osu.edu
Carol Stuessy Past-President, 2006-2007 Finance Committee Chair	Texas A&M University Department of Teaching, Learning, & Culture TAMU 4232 College Station, TX 77843-4232	Phone: (979) 845-8256 Fax: (979) 845-9663 c-stuessy@tamu.edu
Julie Thomas & Sandi Cooper Executive Co-Directors	Texas Tech University College of Education 3008 18 th Street, Box 41071 Lubbock, TX 79409-1071	Phone: (806) 742-1997 x-313 Fax: (806) 742-2179 ssma.educ@ttu.edu
Pamela Abder-Fraser Director-at-Large 2005-2008 Membership Committee Chair	New York University School of Teaching and Learning 239 Greene Street New York, NY 10003-6674	Phone: (212) 998-5208 Fax: (212) 995-4198 pamela.abder@nyu.edu
Greg Chamblee Director-at-Large 2004-2007 Awards & Endowment Committee Chair	Georgia Southern University Department of Teaching and Learning P.O. Box 8134 Statesboro, GA 30460-8134	Phone: (912) 681-0026 Fax: (912) 681-5701 gchamblee@georgiasouthern.edu
Cornelis (Kees) de Groot Director-at-Large 2006-2009 Nomination & Election Committee Chair	State University of New York @ New Paltz 75 S. Manheim Blvd. New Paltz, NY 12561	Phone: (845) 255-0153 Fax: (845) 257-2846 degrootc@newpaltz.edu
Ken Miller Director-at-Large 2005-2008 Conventions Committee Chair	Montana State University-Billings Department of Educational Theory & Practice CEHS 279 Billings, MT 49101-0298	Phone: (406) 657-2034 Fax: (406) 657-2104 kmiller@msubillings.edu
Gill Naizer Director-at-Large 2006-2009 Publications Committee Chair	Texas A&M University-Commerce Education South 226 Commerce, TX 75429	Phone: (903) 468-3236 Fax : (903) 886-5581 Gilbert_Naizer@tamu- commerce.edu
John Park Director-at-Large 2006-2007 Policy Committee Chair	North Carolina State University Department of Mathematics, Science, & Technology Education Raleigh, NC 27695	Phone: (919) 342-6417 Fax: (919) 515-6892 park@unity.ncsu.edu
Gerald Kulm Journal Editor	Texas A&M University Department of Teaching, Learning, & Culture College Station, TX 77843-4232	Phone : (979) 862-4407 Fax : (979) 845-9663 gkulm@coe.tamu.edu
Valeria Amburgey Newsletter Editor 2006-2009	Northern Kentucky University College of Education & Human Services, BEP 272 Highland Heights, KY 41099	Phone: (859) 572-5621 Fax: (859) 572-6096 amburgey@nku.edu

The Math-Science Connector
 Valeria Amburgey, Editor
 Northern Kentucky University
 College of Education and Human
 Services, BEP 272
 Highland Heights, KY 41099

Phone: (859) 572-5621
 Fax: (859) 572-6096
 Email: amburgey@nku.edu



The address above is for the newsletter only. Send all other correspondence including change of address to the Executive Co-Directors:

Julie Thomas & Sandi Cooper
 Texas Tech University
 College of Education
 3008 18th Street, Box 41071
 Lubbock, TX 79409-1071
 Phone: (806) 742-1997 x-313
 Fax: (806) 742-2179
 Email: ssma.educ@ttu.edu

<http://www.ssma.org>

Happy Holidays to You! The first semester is about over for most of us. It's time to start thinking about the 2007 SSMA Annual Convention!

November 15 – 17, 2007
Adam's Mark Hotel
Indianapolis, Indiana

I want to send you a personal invitation to submit a proposal to speak at our next convention. The forms for doing so are on pages 7 and 8. They will also be online soon. Don't wait until the deadline date. Complete it soon!

The Indianapolis Children's Museum is one of the tops in the world, loaded with science and mathematics for children. We are working with the Museum for a Thursday or Friday evening visit.

Many airlines have direct flights to Indianapolis, and the city is within driving distance for a large number of our members. The hotel facility is located less than one mile from the airport. We will have access to the hotel shuttle for downtown trips (10-15 minutes) for evening dining.

Make my life and my co-chair's life easier for the next few months. Complete the form and return it to me.

-- Don Balka

*Join Us in
 Indianapolis, IN
 Nov. 15-17, 2007*

You never know what wonders you will discover at the SSMA Annual Convention. Join us in Indianapolis, Indiana (November 15-17, 2007) and get carried away with all the mathematics / science adventures that await you!



Membership in the School Science and Mathematics Association is open to any person who supports the objectives of the Association, who has paid membership dues, and completed an application.

Benefits of SSMA Membership include:

- Membership in an association encompassing both science and mathematics teaching and learning.
- 8 issues of the official journal *School Science and Mathematics*.
- 3 issues of the SSMA newsletter *The Math-Science Connector*.
- Opportunities to submit presentation proposals for the Annual Convention.
- Voting privileges for Association business and election of officers.
- Opportunities to serve on an SSMA Committee or Leadership Team.

Additional information on SSMA is available at our website or by contacting **Julie Thomas and Sandi Cooper** (see contact information above).

To contribute news items for inclusion in the SSMA newsletter (*The Math-Science Connector*), please contact **Valeria Amburgey** (see contact information above).