



NEMATYC NEWS

The News is available online at www.NEMATYC.org



Vol. 26, No 1

The newsletter of the New England Mathematical Association
of Two-Year Colleges

Fall, 2017

NEMATYC 2018 Conference



As noted in President Cantin's message below, we do not yet have a venue for this coming spring's conference, NEMATYC's 44th. If you could host this conference, please let Bob know as soon as possible. Contact information is on the last page of this document. You can be sure the NEMATYC Executive Committee would help you in every way it could.

NEMATYC Fall Dinner/Speaker Event

CRYPTOGRAPHY – FRIDAY OCTOBER 13



To attend respond by Thursday, October 5

See page 3 for details

From the President



Is the world a better place for my passing? For the past 35 years I've worked with youth in the Boy Scouts of America (BSA), an organization that provides huge numbers of hours of volunteer service each year.

Lately, one of my roles is to review candidates for Eagle Scout, BSA's highest honor. We usually take some time to reflect on the meaning and reason for service. It's hard to put a specific value on it but we all agree it's a good thing to do. Service is a genuine win-win activity. We generally agree that the real measure of successful service is that the world is indeed better for our passing.

Our NEMATYC organization is meant for professional networking and socializing. Both aspects are very important to all of us. We have a rich history of conferences that encourage an exchange of ideas as well as catching up with friends. I sometimes can't attend annual AMATYC conferences to participate in the "great discussion" about current ideas in math education, so our annual regional conferences let me catch up with other members who can bring back the message. And when I can attend AMATYC, I like to compare ideas with our local colleagues and see how we can improve our service to students.

Service to students is certainly our primary goal. But our service to each other is also a win-win. That service can take on several forms. Most apparent is our willingness to share ideas and continue the grand discussion locally. It's where we can get our ideas, mature them, and pass them along nationally at a future AMATYC conference.

Our social activity is also a service. We get to know each other and genuinely care about each other's welfare. We recognize service with awards for Teaching Excellence and Distinguished Service. We sympathize and mourn with colleagues who have been through tough times. We celebrate milestones and successes. It's often just plain fun to get together and visit.

We also share by splitting up the work load to keep our organization moving forward. We take turns hosting our annual spring conference. That's sometimes hard but never permanent. And always appreciated! We take turns serving on the Executive Board. During my tenure as At-Large Member and now President, I've been impressed at how our members step up to take their turn and pitch in.

Now's the time to consider what you might do. First, we have an immediate need for a college to host our 2018 annual conference next spring. Please consider if it might be your turn to host. You can be assured you won't be alone. Yep, there is work and time commitment, but it's a win-win and you have many other members to help.

Continued on the next page

In addition to hosting our annual conference, consider serving on the Executive Board. We're all supposed to be good with numbers. How about Treasurer? Good at details and note taking? How about Secretary? Like to organize and talk to an audience? Consider President or Vice President. If you're not sure but willing to take an active role, volunteer to serve as an At-Large member. Nothing magical here, just a willingness to help out and take your turn. You don't have to be perfect, others can certainly help. Meanwhile, you may learn a new skill or polish an old one. See? It's a win-win.

So, what do you think? Is the world a better place for our passing?

Bob Cantin

From the Regional Vice President

Dear Colleagues;

I assume by now most of you are into the fall semester. I am not, but I am in my final semester as AMATYC Northeast Region VP. Next month there will be an election for the AMATYC Executive Board. If your membership was current as of June 30th you will have the opportunity to vote for a new NEVP as well as a President-elect and an AMATYC Executive Board secretary. You will be receiving an e-mail ballot and I encourage you to vote. I believe that every election will be contested this year, so your vote will matter. Please take the time to cast your ballot.

I also hope you are making plans, if possible, to join me in San Diego for the Annual AMATYC Conference November 8-12. Registration is open. Discounted registration is available through early October so don't delay. The conference will be held at the Sheraton San Diego Hotel and Marina. There will be complementary shuttle transportation from the airport to the Hotel. Rooms may well fill up fast so do not delay.

AMATYC has been busy creating a revision of its standard documents, Crossroads and Beyond Crossroads. Although the standards have not changed, the technology and the science of learning have made strides in the past decade that have impacted our classrooms greatly. So it is not surprising that the latest revision is called AMATYC IMPACT. It will be presented to the Delegate Assembly at the Annual AMATYC Conference in San Diego. I am still looking for some state delegates so if you are interested in participating in the Delegate Assembly in San Diego and Orlando in 2018 please contact me.

I hope to see you at the AMATYC conference in San Diego, there will be a regional breakfast on Friday morning and this will be an opportunity to say hello to your new VP and good bye or good riddance to the old man. Please contact me with any questions or issues you may have.

Ernie Danforth
NEVP



Memorial Wanda Garner

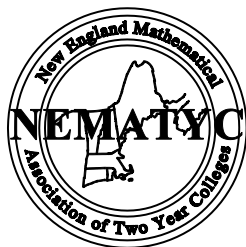
Wanda Garner was Co-chair of our 2016 meeting. Math educator for some 40 years, she had retired from Cabrillo College in Aptos, CA in Spring 2016. She left us after an unexpected medical complication on August 31, 2017.

Wanda became a regional Vice president in 1985, and in fact Wanda was a VP for two of AMATYC's regions. In 1991 she became AMATYC Secretary, and in 1993 became President-elect. In addition to having served as president, and participating on many AMATYC projects, Wanda helped write the first mission statement of the organization and served on the steering committee for the organization's signature Crossroads document. She served as AMATYC conference program director from 2002-2012, and in 2014 she was appointed AMATYC's first Executive Director. At the November 2016 conference in Denver, Wanda was awarded the Herb Gross Presidential Award.

A long-time friend of this editor and others, her loss is huge, professionally and personally.



Please RSVP with count to: Alex Cotter
at acotter1@massasoit.mass.edu by Thursday October 5



NEMATYC

Fall Dinner & SPEAKER

CRYPTOGRAPHY

FRIDAY, OCTOBER 13, 2017

5:30PM COCKTAILS, 6:30PM DINNER

HOGAN CAMPUS CENTER, COLLEGE OF THE HOLY CROSS
1 COLLEGE STREET, WORCESTER, MA 01610

Featured Speaker: Dr. Sharon Frechette, College of the Holy Cross
Dr. Frechette will speak on cryptography, focusing on modern aspects such as the role cryptography plays in the privacy and security of information online.

Price: cash only please; \$30 at the door for members , \$40 for nonmembers (includes membership), free for current Access Fellows; cash bar

Buffet Dinner: Cheese Tortellini with a Broccoli Red Pepper Garlic Sauce, and Barbeque Chicken Breast



NEMATYC STUDENT MATH LEAGUE REPORT

John McColgan (Roxbury Community College), Student Math League Awards Coordinator

RECOGNITION AWARD PROGRAM

The purpose of the NEMATYC Student Mathematics League Recognition Awards Program is to foster extracurricular mathematics learning opportunities for students through participation in the AMATYC Student Mathematics League (SML).

The top-placing student in the AMATYC SML Competition at each school in NEMATYC's region receives a \$100 award. The only criteria is the student must participate in both the Fall and Spring competitions.

The top school receives the Lois A. Martin NEMATYC Student Mathematics League Award.

Offer Your Best Students A Chance To Compete Nationally

Highlights

Holyoke Community College took top honors for the highest team score among NEMATYC participants in 2016-2017.

The top student was Boubacar Siddy Diallo at Bunker Hill Community College.

Join the Fun

The first test of the 2017-2018 competition will be given between Friday, October 13 through Saturday, November 4. If your college does not have a team, consider joining the collegial rivalry among NEMATYC schools. Your

involvement can be as simple as just administering the tests or you might include practice sessions and even advise a campus mathematics club. Your students will thank you for giving them the opportunity to compete.

Membership in the AMATYC Student Math League is free for institutional members, or a one-time fee of \$50 after Sept. 30 for non-institutional colleges. Visit www.amatyc.org, or contact John McColgan for more information. JMcColgan@rcc.mass.edu

NEMATYC 2016-2017 Student Math League Individual and College Standings*

Rank	Student	College	Score	Rank	College	Score
1	Boubacar Siddy Diallo	Bunker Hill CC	49	1	Holyoke CC	148.5
2	Azmi Zainal Abidin	Holyoke CC	32	2	Middlesex CC	126
3	Christopher Wyckoff	Springfield Technical CC	31	3	Quinsigamond CC	110
4	Qitong Yuan	Middlesex CC	29.5	4	Massasoit CC	105.5
5	Paul Maynard	Massasoit CC	27.5	5	NHTI Concord CC	100
6	Dakoda Robinson	NHTI Concord CC	25	6	Springfield Technical CC	97
7	Justin Roberts	Springfield Technical CC	24	7	Cape Cod CC	75
7	Haziq Mustapha	Holyoke CC	24	8	Bunker Hill CC	49
8	Oluwatobiloba Ajayi	Quinsigamond CC	23.5	9	Thompson School of Applied Science	43
9	Johnathan Saniuk	Quinsigamond CC	21.5	10	North Shore CC Lynn Campus	30.5
				11	Roxbury CC	25.5
				12	Mount Wachusett CC	20
				13	Bristol CC	17.5

*Rankings are for NEMATYC participants in the AMATYC Northeast Region top 20

New registrations are welcome at AMATYC anytime during the testing year. You can register online.

**Dates for the 2017-2018
Student Mathematics
League Math Competition**

Round 1: Friday, October
13 through Saturday,
November 4, 2017

Round 2: Friday, February 9
through Saturday, March 3, 2018

CALL FOR NOMINATIONS

Do you like getting together and having a good time with a great group of people? Are you a mathematics educator? If so, then NEMATYC is the group for you and the NEMATYC Executive Committee wants you to join our enthusiastic, friendly group.

Every year, during the business meeting at the annual conference, NEMATYC holds elections for open positions. In the Spring we will need to fill a number of Executive Board positions. The positions that will be available are:

President, Vice President, Secretary & Two At-large Members

We are looking for you to help us fill these roles. Working with the NEMATYC Board is a rewarding and fun experience, and is a wonderful way to put your professional dedication into action! It's great for you, your department and college, and the New England mathematics community. The time commitment includes attending the annual conference (which hopefully you would attend anyway) and Board meetings that occur three times per year. These meetings are typically held in September, January, and June.

Here is a brief overview of the available positions (see the Constitution at www.NEMATYC.org for a more detailed description of each position).

President

- Two-year term
- Schedule and preside over Executive Committee meetings
- Assume the role of past-president at the conclusion of the term

Vice-President

- One-year term
- Conducts meetings and fulfills the obligations of the President if the President cannot
- Assumes Presidency if the President is unable to continue in office

Constitutional Duties of the Executive Committee:

1. Certify nominees as candidates for elected positions.
2. Review and present new business items to the annual meeting.
3. Review all constitutional amendments and bring their recommendations to the annual meeting.
4. Select the site and the date(s) of the annual conference.
5. Maintain the policy manual.
6. Perform all other duties needed to maintain the well-being of the association within the limitations of the constitution.

Secretary

- Two-year term
- Responsible for the official correspondence of the Association
- Take minutes of the meetings of the Association
- Maintain an up-to-date copy of the Constitution

At-Large Member (two to be elected)

- Two-year term
- Attend Board meetings
- *A great way to get involved with NEMATYC!!*

Please contact Past President **Dave Henry** at
David.Henry@bristolcc.edu

for questions, information, or to place your name – or that of a colleague – into nomination!

From the Archives at <http://history.nematyc.info/> .

by Phil Mahler, Editor

The next conference is 2018.

The NEMATYC Conference: 40, 30, 20, 10 years, and... 1 Year Ago



NEMATYC 1978 The 1978 Annual Spring Meeting was held at Bentley College in Waltham, Massachusetts, on Saturday May 13. The program chair was Karen Schroeder of Bentley College and the cost was \$9.

The keynote talk was by **Alice Schafer** of Wellesley College

The program included:

- **Transfer Students**, Kent Ericson, Bentley College
- **Computer Applications To Mathematics**, Harvey Deitel, Bentley Coll.

NEMATYC 1988

The Annual Conference was held on March 12 at Bristol Community College in Fall River, Massachusetts. **Veronica McConnell** was conference and program chair, with the theme, **Mathematics Across The Curriculum**,

The meeting was keynoted by **Solomon Garfunkel** of Comap, Inc., speaking on *For All Practical Purposes: Teaching Mathematics Through Television*

Presentations included:

- Math Labs - What, Where, When, And How, **Joanne Kendall**, Middlesex CC
- The Ada Programming Language, **L. S. Tang**, Western N E College
- Incidental Learning In Mathematics, **Al Roy**, Bristol CC
- Introduction To Mathematical Word Processing On Macintosh Microcomputers, **Philip Mahler**, Middlesex CC, **Scott Higinbotham**, Middlesex CC
- Calculus: What Should Students Learn?, **Emilio Roxin**, URI
- Square Root Algorithms And Geometric Interpretation, **Robert Yawin**, Springfield Tech CC
- Logic, Integer Arithmetic, And Machine Code Programming, **Richard E. Johnson**, Mass Bay CC
- Baseball Statistics In The Classroom, **Stephen Krevisky**, Middlesex CC (CT)

NEMATYC 1998

NEMATYC'98 was held at Cape Cod Community College, West Barnstable, Massachusetts, on Friday and Saturday, April 3,4, 1998. The theme was **Teaching in the New Millenium**. Vice president and program chair was **Ted Panitz**.

Frank Morgan of Williams College was the Friday banquet speaker, talking on *Generalizing the Circle and Undergraduate Research or Students Creating Future Mathematics*

Saturday Lunch - Plenary Session- **Ted Panitz**- Facilitator, Is Cooperative Learning Possible 100% Of the Time?

A sample of the 21 presentations is:

- Real Time Interactive Teaching Using Pictel, **Gary Getchel**, Cape Cod Community College
- Portfolios: A Creative Approach To Encourage Critical Thinking, **Maria Blon**, Orange County Community College
- Using Mathematica In The Calculus Sequence, **Ernest Manfred**, US Coast Guard Academy
- The Internet and Its Resources For Educators, **Joyce Oster**, Johnson & Wales University
- The Benefits and Challenges Of Service-learning, **Joan Kleinman**, Middlesex Community College
- "The Good, the Bad, the Ugly": Experiences Using Graphing Calculators, **Lois Martin**, Massasoit Community College, **Rick Butterworth**, Massasoit Community College, **Jack Keating**, Massasoit Community College
- Linking Women's Studies and Statistics, **Anne Wiley**, Greenfield Community College, **Susan Macleod**, Greenfield Community College
- Write, Compute, and Link To the World, **Roberta Kieronski**, UNH at Manchester
- Problem Solving With EXCEL, **Carol Hay**, Middlesex Community College

NEMATYC 2008

NEMATYC 2008 was held at Springfield Community College on Friday and Saturday, April 11, 12, 2008. The theme was **Keeping it Real in 08**. The conference co-chairs were **Lauren Brewer** and **Vanessa Hill** of Springfield Community College.

A sample of the 30 presentations:

- P-Value Fallacy and Bayesian alternative: Measure the strength of evidence, **Eiki Satake** and **Philip P. Amato**, Emerson College
- Divisibility Rules, **Mark Snyder**, Fitchburg State College
- Stimulation in the age of simulation, **Seth Gibson**, Vermont Community College
- TI83/84 plus statistical calculator tutorials, **Walter E. Stone**, North Shore Community College
- MyMathLab Commercial presentation, **Kevin O'Brien**, Addison Wesley and Prentice-Hall
- One-sample inferential statistics using Excel, **Barry Woods**, Unity College
- Use of Technology in Class Leads to Conceptual Understanding of Statistics, **Magdalena Luca**, Massachusetts College of Pharmacy and Health Sciences
- MyMathLab Commercial presentation, **Kevin O'Brien**, Addison Wesley and Prentice-Hall
- Lessons Learned from Elementary Mathematics, **Andrew Perry**, Springfield College
- Title III for Developmental Mathematics, **Andreanna Grimaldo**, Quinsigamond Community College
- Introduction to Microsoft OneNote, **Mary E. Sullivan**, Massasoit Community College
- Engage students using high and low technology, **Robert Cantin**, MassBay Community College



Join NEMATYC

Not a member of NEMATYC?

Join by sending the \$10.00 annual membership fee, payable to NEMATYC, to the NEMATYC Treasurer.

Aisha Arroyo, NEMATYC Treasurer
Middlesex Community College
591 Springs Road
Bedford, MA 01730

Visit the NEMATYC Website

Webmaster **Mary Sullivan**, Cape Cod CC, maintains the NEMATYC website. Go to <http://www.nematyc.org> and browse the links: Conference, Executive Board, Membership, On-line Newsletters, Member Colleges, Mathematics Associations, History, Documents, Job Opportunities, E-mail for NEMATYC.



is a mentoring and professional development initiative for two-year college mathematics faculty. The project's goal is to provide experiences that will help new faculty become more effective teachers and active members of the broader mathematical community.

NEMATYC –One Year Ago

NEMATYC 2017 was held at Bristol Community College, Fall River, MA, on Friday and Saturday, April 28-29, 2017.



The theme was **Mathematics & Sustainability**.

The conference cochairs were **Alice Wilson** and **Everilis Santana**, both from Bristol Community College.

Participants enjoyed a program, with timely presentations, networking, awards, a business meeting. Friday evening featured a reception at the Cove Restaurant, which overlooks Battleship Cove, a non-profit museum featuring the battleship Massachusetts

The keynote address was by **Dr. Baylor Fox-Kemper**, Brown University, on climate change.

A sample of the 24 sessions:

- How Do We Engage Future Mathematics Majors?, **Alex Cotter**, Massasoit Community College
- Personal Connections in Emporium Developmental Math Session 3: Personal Connections in Emporium Developmental Math, **Autumn Alden**, Bristol Community College
- A Program Evaluation of a Redesigned Developmental Session 5: A Program Evaluation of a Redesigned Developmental Mathematics Program Mathematics Program, **Raina Eckhardt**, Manchester Community College
- Equality for Adjuncts Session 7: Equality for Adjuncts, **John McColgan**, Roxbury Community College
- Creating the Right Path for Your Students Using Math Session 11: Creating the Right Path for Your Students Using Math Technology Technology, **Jay Jenkins**, Pearson Education Pearson Education
- STARS and Nonparametric Statistics Session 12: STARS and Nonparametric Statistics, **Barry Woods**, Unity College
- Better, Faster, Cheaper – Leveraging OER & Adaptive Session 13: Better, Faster, Cheaper – Leveraging OER & Adaptive Learning to Improve Outcomes Learning to Improve Outcomes, **Shelly Tomlin**, Knewton
- Algebra – Taking Shape Session 14: Algebra – Taking Shape , **Natalya Vinogradova**, Plymouth State University
- Carnegie Math Pathways: Equity Lessons from the Session 18: Carnegie Math Pathways: Equity Lessons from the Transformation of Math Learning Transformation of Math Learning, **Milena Cuellar**, LaGuardia Community College, **Andre Freeman**, Capital Community College
- Data Science: The First Two Years Session 19: Data Science: The First Two Years, **Adriano Marzullo**, **Gary Davis**, **Donghui Yan**, University of Massachusetts Dartmouth

NEMATYC EXECUTIVE COMMITTEE – Fall 2017

President Robert Cantin MassBay CC RCantin@massbay.edu 508.270.4211 16-18	Vice President Alex Cotter Massasoit CC ACotter1@massasoit.mass.edu 508.588.9100 16-17	Past President David Henry Bristol CC David.Henry@bristolcc.edu 508.678.2811 x 3425 16-18
Secretary Meredith Watts MassBay CC MWatts.math@gmail.com 508.270.4264 16-18	At-Large Member Billy Jackson North Shore CC Action781@gmail.com 17-19	At-Large Member Tonka Zelenkova Middlesex CC zelenkovat@middlesex.mass.edu 17-19
Treasurer Aisha Arroyo Middlesex CC ArroyoA@middlesex.mass.edu 781.280.3981 16-19	At-Large Member Autumn Alden Bristol CC Autumn.Alden@bristolcc.edu 16-18	At-Large Member John McColgan Roxbury CC jmccolgan@rcc.mass.edu 617.427.0060 x 5210 16-18

Appointed NEMATYC Positions

Conference Chair <i>Pending</i>	Membership Chair Maria Arambel Middlesex CC ArambelM@middlesex.mass.edu 781.656.3126 16-18
Past Conference Co-Chairs Alice Wilson Bristol CC Alice.Wilson@bristolcc.edu 508.678.2811 x 3782 17-18	Everilis Santana Bristol CC Everilis.Santana@bristolcc.edu 508.678.2811 x 3740 17-18
Webmaster Mary E. Sullivan Cape Cod CC MSulli01@capecod.edu 508.362.2131 16-18	Newsletter Editor Philip Mahler Middlesex CC mahlermath@comcast.net 978.405.2531 16-18
Student Math League Cordintr John McColgan See At-Large Member 16-18	
Social Media Director	
AMATYC Regional Vice President Ernie Danforth , Corning CC, 1 Academic Dr, Corning, NY 14830 danforth_e@corning-cc.edu	



The NEMATYC Newsletter is issued twice a year, in the Fall and in the Spring. Suggestions and submissions may be directed to the president or the editor.

NEMATYC NEWSLETTER
 Philip Mahler, Editor
 Middlesex Community College
 591 Springs Road
 Bedford, MA 01730-1197