

NEMATYC NEWS

The News is available online at www.NEMATYC.org



Vol. 29, No 1

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

Fall, 2020

-ANNOUNCING- NEMATYC 2021 Conference A Virtual Conference

NEMATYC's 46th Annual Conference will be hosted by
Massasoit Community College

**Virtual Events from
Monday April 5 to Friday April 16**

To propose a paper or session, go to <http://nematyc.info/PROPOSAL/>



From the NEMATYC President

I'm honored to introduce myself as the new NEMATYC President. For those who don't know me, my name is Billy Jackson. I landed my feature role at North

Shore Community College in 2012 with a few cameos at Bunker Hill CC, Middlesex CC, and Northern Essex CC along the way.

It was soon into my career at North Shore that my department colleagues like Anne O'Shea encouraged me to join NEMATYC. At that time, nine years ago, I couldn't have fathomed the reality of what teaching has been like this semester. Heck, nine *months* ago I couldn't have fathomed the reality of what teaching has been like this semester. But we've learned to evolve. Quickly.

Continued on page 4

From the AMATYC Regional Vice President

Dear NEMATYC Colleagues, I would like to start with some sad news. I realize I have been quiet this past summer and fall, as I was dealing with some family issues. The short story is that we lost my father to cancer last month in Greece, but I was unable to visit. The long story is that we were informed last summer that he had only twelve months to live, and even though I made the effort to visit in August, October, and January, after COVID, the travel restrictions posed by the European Union did not allow me entry to Europe. Since July, when his health significantly deteriorated, I attempted to travel a few times but was not successful. The day after his death, I traveled to JFK and was denied entry on the plane.



Continued on page 4

NEMATYC 2021 Conference

A Virtual Conference

NEMATYC's 46th Annual Conference will be hosted by
Massasoit Community College

**Virtual Events from
Monday April 5 to Friday April 16**

To propose a paper or session, go to <http://nematyc.info/PROPOSAL/>

Greetings from your 2021 conference co-chairs. Though I imagine we are all yearning for a return to normalcy, at this point it is impossible to predict how safe it will be to hold an in-person conference this spring. As such, the Spring 2021 NEMATYC Conference will take place virtually this year. A virtual conference will never be able to duplicate the experience of a community of professionals coming together from all over New England, but we are committed to building a great virtual experience, bringing you high quality professional development, and keeping our NEMATYC traditional alive.

A virtual NEMATYC conference will look very different from what many of us have grown accustomed to over the years and decades, and offers some advantages. Most of us are already spending many more hours a day than we would otherwise choose in front of our computers. So, rather than a one-day conference, we are planning on spreading out sessions over the first two full weeks in April. This will allow us to pick and choose sessions of interest rather than having to commit to a full day at the computer.

We are very excited to announce that kick-off keynote speaker this year will be cartoonist, author, and math educator **Ben Orlin**. You can learn more about Ben and see his work at his website www.mathwithbaddrawings.com. Ben's keynote will take place the evening of Tuesday, April 6th. Save the date!

The success of the Spring Conference depends on all of us. We hope that you will be willing to share your ideas and experiences at the Spring Conference. Please consider giving a presentation or facilitating a forum this year. We welcome both veteran and new speakers. Your presentations foster professional growth and dialogue among our members. Even if you choose not to present, we hope you will still attend. You can establish helpful relations with new colleagues and renew connections with old friends.

For additional details as they emerge, please keep an eye on www.NEMATYC.org.

Your conference co-chairs,
Autumn Alden, Kerryn Snyder and Alex Cotter



Submit by:
January 8th

Call for Presenters

Submit online!

46th Annual NEMATYC Meeting

Virtual Events from

Monday April 5 to Friday April 16

Massasoit Community College - Brockton, MA

EARLY DECISION DEADLINE: FRIDAY JANUARY 8th, 2020

SUBMISSION DEADLINE FRIDAY MARCH 19th, 2020

To propose a presentation please use the online form at

<http://nematyc.info/PROPOSAL/>

Conference Theme

NEMATYC 2021: Inflection Points for the Future of Math Education

Suggested Topics: Open Educational Resources, STEM starter programs, Data Science in the first two years, Vision Project course revisions, boot camps, using math in other disciplines, online college math labs/math tutoring, online/blended courses, Gateway Programs, teaching techniques and learning styles, cutting edge software/technology, modeling data, service learning, flipped classrooms, emporium classroom or other accelerated classrooms, and K-12 and college collaboration, virtual teaching and learning, to name a few.

If you need additional information or have questions, please call or email Alex Cotter at 508-588-9100 x1654 or ACotter1@massasoit.mass.edu .

Proposal Early Decision Deadline Friday, January 8th, 2020.

In the virtual world in which we are operating, here is part 1 of a quiz on the internet.

Internet Quiz Part 1

- | | | | | | |
|---|---|---|---|---|---|
| 1 | What company did the founders of YouTube work for before starting up YouTube?
A) PayPal B) Google
C) Microsoft D) Apple | 3 | What does H stand for in http?
A) holy B) holistic
C) hyper D) home | 5 | What year did the first emoticon appear in message boards?
A) 1976 B) 1982 C) 1987 D) 1990 |
| 2 | In 2002, what company acquired PayPal?
A) eBay B) Microsoft
C) Wells Fargo D) Google | 4 | What does the first W stand for in WWW?
A) Waldo B) Washington
C) World D) Whole | 6 | The term "surfing" the internet was coined in 1992 by a librarian Jean Armour Polly; in what state? |

Answers on Page 12

Teaching virtually has been full of challenges for all of us. For example, I still haven't figured out how to do breakout groups effectively yet. But for every challenge I face teaching virtually, I discover an innovative practice that transcends what I practiced teaching face to face. I begin every single class session with "the rubber ducky scale" (<https://bit.ly/3d24Xna>) where every student types a number into the chat representing how they're feeling today. It allows me to gauge where my class is at before class begins and lets me get a sense on whether I need to infuse more energy into my lesson that day or feed off the energy students are already bringing with them. The use of polls during class gives me precise and immediate assessment on how students are understanding critical concepts. Students having access to video recordings of daily lectures is something that was never possible in face to face for students with attendance issues.

Those are a few of my examples and I know we are all learning to evolve in our own ways. Just as teaching has evolved dramatically recently, NEMATYC must evolve as well. NEMATYC is not defined by its longest serving members, or the school hosting the conference, or the executive board members. It is defined by every one of you reading this newsletter. Just as many of the modalities and methods of teaching 30 years ago would be considered outdated and less effective today, we understand that all of you reading this newsletter might be looking for something different in NEMATYC today than our members were 30 years ago.

We want to hear your ideas and we want to keep up with what you want from this organization that you are a big part of. We wouldn't exist if it wasn't for all of you. We started a NEMATYC Slack group where every one of you can join to participate in the exchange of ideas and experiences. Please join and participate in the conversation. Someone out there is waiting to hear about a successful idea you are practicing right now.

One thing I tell all of my students on the first day of every semester is for them to "Embrace the struggle you are bound to encounter at times this semester. You will come out better and stronger as a result of that struggle." It wasn't until writing this column that I realized how that advice has circled back to me this semester. As I embrace my own struggles of virtual teaching this semester in pursuit of coming out better in the end, I wish you all luck in the same.

Join the NEMATYC Slack group by clicking the following [invite link](https://bit.ly/3iwHADi) (<https://bit.ly/3iwHADi>). The link is only active until November 4.

Billy Jackson
NEMATYC President
North Shore Community College

Polydoros Georgiakakis was a math teacher, my mentor, and my greatest inspiration to be who I am today. He was that teacher who could draw a perfect circle on the blackboard. At the age of three, I announced that I want to be a math teacher when I grow up, and he made sure I got there. In middle school, when we were learning factoring, I went to him saying I had solved all the problems in the book and there was "no problem he could give me I would not factor." He gave me 11 problems, and I did not manage to factor not even one! I only remember one of them: $x^6 + y^6$... In high school, he gave me a problem I could swear was unsolvable; when I complained, he got so angry with me for saying that he gave me a problem nobody can solve. His usual reply was, "A problem is difficult when we have not seen one like it." You can guess that I use this with my students and children all the time. Several years ago, Abe Mantell, NYSMATYC Math League Coordinator, gave me a geometry problem I could not solve; I passed it along to my father who came back with an answer in less than ten minutes. Unfortunately, for the past two years, he lost his ability to work with math, but he still loved hearing about my courses, my students, and the Math League contest. Back to us now, AMATYC has many exciting things going on this fall, and I hope we get to meet on many of them.



Conference:

Since the conference in Spokane was cancelled, we now have arranged with our corporate partners to offer a free and open to all 2020 AMATYC Virtual Conference on Fridays in November. Registration is now open at <https://amatyc.org/page/2020ConfHome>. Conference program will be available soon. Please encourage colleagues to attend, even if they are not members of AMATYC. Our themed days are listed below

- Friday November 6 – Hosted by Hawkes Learning
- Friday November 13 – Hosted by McGraw-Hill
- Friday November 20 – Hosted by Wiley

The Delegate Assembly will be held on Saturday, November 21, 2020 at 2PM EDT and it is open to all interested. I will be reaching out to regular members who are interested in serving as delegates. Please be on the lookout for an email from me in the next week.

There will be no Regional meetings this fall, but if you would like to arrange for an "End of Fall 2020 Virtual Celebration" in December, let me know, and I will gladly set up a "Sip-and-Chat" Zoom call for our group.

Continued on next page

Committee and ANet meetings will be held on weekdays in November. Dates and times are available through the myAMATYC communities and shortly on the conference website.

myAMATYC

Our online Community platform, myAMATYC, that is already available to members, is also offered at no cost to all interested professionals or graduate students until December 31, 2020. After December 31, only AMATYC members will have access to the libraries and discussion threads. We are also considering a web-scription membership that will allow individuals access to myAMATYC Communities at low cost. Please use the myAMATYC button on the AMATYC website or go directly to myAMATYC through the link <https://my.amatyc.org/home> to get started. Also, please share the link with others who do not have access to AMATYC broadcasts.

All Northeast members are also members of the myAMATYC Northeast Region Community. Please feel free to sign in and start or join a discussion, upload any documents you want to share, promote your events to the whole region, and start communicating on that platform. I will start posting conference updates as those come in.

October Webinars

Even though we have already held the first October Webinar, there are still two more you can register for as well as a position statement hearing. Please check details at <https://amatyc.org/page/Webinars>.

October 21 – Advancing Equity in Mathematics Pathways in the Era of the Pandemic

October 26 – Designing and Implementing an Effecting Corequisite Statistics Course

October 27 – Position Statement Input Hearing: Professional Development for Teachers of Developmental Mathematics

Get Involved

There are many ways to get involved in AMATYC and the wonderful world of mathematics.

Student Math League – AMATYC Online Challenge

Sadly, the 2020/2021 Student Math League (SML) competition is canceled. With most schools in remote operation we do not think it is possible to run the competition. For students looking for a challenge as well as some friendly competition, we will instead be running the *AMATYC Online Challenge*. It will not be a true competition, as there will be no teams, no rankings, no awards, and no prizes. Will there be

extra credit? As always, that is up to you. Will students be able to cheat? Sure. Will it matter? No.

The plan is for TJ Duda and the test development team to put together a test using old SML competition questions. The test will be posted in Survey Monkey and AMATYC members will be sent instructions on how their students can access the test. Students will be asked to follow the SML rules when they take the test. There will be a two week testing window that will run from Saturday, October 24 through Saturday, November 7. As always it will be a multiple choice test. And good news, it will be graded by Survey Monkey. The students will be able to see their scores immediately and we are researching how we can post scores so that they can see how they did compared to the others who took the test. Please encourage your students to participate.

Student Research League

Registration for the 2021 competition begins on January 1, 2021. Last year, the Northeast did not have a team that qualified to compete. I hope this year, we will get mentors to sign up for the SRL.

AMATYC Teaching Excellence Award

Nominate a colleague or yourself for the AMATYC TE Award: <https://amatyc.org/page/TeachExAward>. Deadline for nominations is fast approaching on December 10, 2020.

AMATYC Executive Board

If you would like to run for a position at the AMATYC Executive Board for 2022-2023, we are accepting nominations until February 1, 2021.

<https://amatyc.org/page/ExecutiveBoardNomin> From personal experience, I would like to share that serving in the Executive Board of the organization is a wonderful opportunity and a great honor.

Open Positions

AMATYC is looking for a Student Mathematics League Coordinator and for a Student Research League Coordinator.

For more information, please check our website:

<https://amatyc.org/general/custom.asp?page=AMATYCOpenPositions>

As always, I would love to chat more with you in person, via email, in myAMATYC, or on social media. Please join our AMATYC Northeast Affiliates Group

<https://www.facebook.com/groups/1726418054346506/> or stay in touch via email at sophiageorgiakaki@amatyc.org.

I look forward to hearing from you!

Sophia Georgiakaki



NEED PROFESSIONAL DEVELOPMENT
AT YOUR LOCATION OR AFFILIATE
CONFERENCE?

Bringing Ideas to You

**AMATYC VIRTUAL
TRAVELING WORKSHOPS**

<https://amatyc.org/page/TravelingWorkshops>

The banner features a dark background with yellow icons of a briefcase, a paper airplane, and a document with a dollar sign. Red asterisks are scattered throughout the design.

NEMATYC STUDENT MATH LEAGUE

JOIN THE FUN! Offer Your Students a Chance To Compete Nationally and Earn Recognition for Achievement

Sadly, the 2020/2021 Student Math League (SML) competition is canceled. With most schools in remote operation we do not think it is possible to run the competition. For students looking for a challenge as well as some friendly competition, we will instead be running the *AMATYC Online Challenge*, which will be comprised of problems from past SML contests. More details will be sent out in September.

Steve Hundert
AMATYC SML Coordinator

Visit www.amatyc.org or email Kerryn Snyder (ksnyder@massasoit.mass.edu) for information about the Student Math League.

Note: AMATYC also launched a **Student Research League (SRL)** in 2017.



NEMATYC's STUDENT 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.

- ❖ 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 in the region receives the Lois A. Martin NEMATYC Student Mathematics League Award.

Highlights from the SML Report for the 2019 – 2020 Competition Year

- ❖ Middlesex Community College took top honors for the highest team score among participating NEMATYC colleges and was recognized with the 2019-2020 Lois A. Martin NEMATYC Student Mathematics League Award.
- ❖ Gowtham Manickam, of Middlesex CC, earned the top individual score among students from the NEMATYC and Northeast regions.

NEMATYC 2019-2020 Student Math League Individual and College Results*

STUDENTS				TEAMS		
Rank	STUDENT	College	Score	Rank	TEAM	Score
1	Gowtham Manickam	Middlesex CC	47	1	Middlesex CC	172.5
2	Thang Do	Middlesex CC	31	2	Springfield Technical CC	92.5
2	Kimhong Huon	Middlesex CC	31	3	Holyoke CC	89
3	Michael Reilly	Massasoit CC	30	4	Massasoit CC	74
4	Matthew Coleman	Middlesex CC	29	5	Quincy College	71.5
5	Richard Jagodowski	Springfield Technical CC	28	6	Quinsigamond CC	69.5
6	Diane Collins	Holyoke CC	27.5	7	NHTI - Concord's CC	59
7	Daniel Cronin	Middlesex CC	24	8	Nassau CC	23.5
7	Mathew Weisenbeck	Quincy College	24	9	North Shore CC	17
8	Mao Ng	Springfield Technical CC	20.5	10	Cape Cod CC	14.5
9	Quynh Nguyen	Quincy College	20	11	Bristol CC	12
10	Jonathan Peloquin	Springfield Technical CC	19.5			
11	Johnathan Abbott	NHTI - Concord's CC	19			
12	Asma Ali	Quinsigamond CC	17.5			

*Rankings listed for NEMATYC participants in the AMATYC Northeast Region Top 20

Kerryn Snyder (Massasoit Community College), Student Math League Coordinator

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.

In the Spring we will need to fill a number of Executive Board positions. Normally the election would be held during the business meeting at the annual conference. With the annual conference being virtual this year all nominations must be submitted by the end of the day on Thursday, April 1, 2021.

The positions that will be available are Vice President and 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).

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

At-Large Member (two to be elected)

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

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.

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

Please contact Past President **Alex Cotter** at

acotter1@massasoit.edu

Internet Quiz Part 2

1	Which Defense Department first set up the messaging system which became the Internet? A) Army B) Air Force C) Intelligence D) Pentagon	4	What does Q mean in FAQ? A) Questions B) Qualified C) Quantity D) Quote	6	In what year was the GIF format created? A) 1976 B) 1982 C) 1987 D) 1990
2	How many bits are there in a byte? A) 5 B) 8 C) 12 D) 24	5	What does S stand for in ISP? A) Score B) Software C) Side D) Service	7	What is the correct pronunciation of "GIF"? A) with "g" as in "great" B) with "g" as in "George"
3	The name of the first image uploaded to the internet was: A) Alexander Graham Bell B) Eiffel Tower C) Les Horribles Cernettes D) Mona Lisa				

Answers on Page 12



The NEMATYC Conference 2021: 40, 30, 20, 10 years, and... 1 Year Before

NEMATYC 1981

Josephine Gervase of Manchester CC Chaired the planning committee for the 1981 NEMATYC Annual Meeting which was held at Manchester CC in Connecticut on Saturday, March 28, 1981. The theme **Mathematics For The 80's - Promises And Challenges**.

In the final accounting there were 12 publishers who paid to exhibit at this conference and there were 89 paid conferees. The cost per person was \$13.

Keynote

- Mathematics In Action - An Overview, John Neff, Georgia Institute Of Tech

Program

- **Computer Workshop**, Dean Fenton, Manchester CC, John Wolter, Mattatuck CC
- **Reentry Mathematics And The Non-Traditional Student**, Jean Smith, Middlesex CC
- **Statewide Competency Testing**, Panel, Phil Halloran, Springfield, Ma, Steve Leinwand, CT State Dept. Of Education, Frederick Paul, Albany, NY
- **Precalculus In A Large Lecture - Possible And Fun**, Doris Stockton, U Of Mass
- **Publishing And The Professor - Why Write A Math Book**, Panel: Shelly Langman, McGraw Hill, Mary Lu Walsh, Prindle, Weber And Schmidt, Stephen Quigley, Addison-Wesley
- **Self-Paced Learning Systems For Basic Math And Elementary Algebra**, Laurence Sherzer, Dundalk CC, MD, Michael Sentlowitz, Rockland County CC, NY

NEMATYC 1991

The 1991 annual meeting was held at Massasoit Community College, Brockton, Massachusetts, on Saturday, March 9. The President was John Jacobs, Massachusetts Bay Community College, and the Vice President was Jack Keating, Massasoit Community College. The theme was **Mathematics for the Nineties**.

Keynote

- **The Teacher as a Coach**, Herb Gross, Bunker Hill Community College

Luncheon Speaker

- **Why Take Algebra?**, Dick Aufmann, noted author, Palomar College, California

Presentations

- **A Comprehensive Learning Environment for Essential Mathematics**, Richard Paul, Stuart Swain, Bill Weigle, University of Maine at Machias
- **An Integer Approach to Teaching Linear Algebra**, M.S. Vijaya Kumar, Umanath Tiwari, John Abbott College, Quebec, Canada
- **Baseball Statistics**, Steve Krevisky, Middlesex Community College (CT)
- **Bruner's Discovery Learning and Factoring Polynomial Equations**, Eiki Satake, Emerson College
- **Careful Changes in Calculus**, Gilbert Strang, Massachusetts Institute of Technology
- **Computers in the General Math Curriculum: A Descriptive Statistics Unit**, William Gilligan, Emerson College
- **Critical Thinking in Liberal Arts Mathematics for the Non Math/Science Student**, Morton Mecklosky, Suffolk County Community College, New York
- **Cumulative Review Problems: Help or Hindrance in Developmental Mathematics Courses**, John Tobey, North Shore Community College
- **Euclidean Algorithms: Picturing the Effort**, Thomas Moore, Bridgewater State College
- **Fibonacci Numbers in Exotic Places**, Thomas Koshy, Framingham State College
- **Mathematics As A Second Language**, Herb Gross, Bunker Hill Community College

- **Mathematics in Navigation**, John J. Callahan, Massachusetts Maritime Academy
- **Problem Solving**, Walter Czarnec, Framingham State College
- **Sets, Graphs, and Finite Automata**, David Keil, Massachusetts Bay Community College
- **Teaching Remedial Mathematics and Thinking Skills Simultaneously**, Carla Oblas, Northeastern University
- **The Golden Section, Penrose Tiles, and Quasicrystals, A Beautiful Interweave of Pure Math and Science**, Hank Harmeling, North Shore Community College
- **These Are A Few of My Favorite Things**, Pat Juelg, Austin Community College, Texas
- **Whatever Happened to Teaching in the Teaching Research Equation?**, Albert M. Colella, University of Rhode Island
- **Who Takes Developmental/Remedial Mathematics in College?**, Linda Falstein, UMass-Boston, Mary Sullivan, Curry College
- **Writing Across the Curriculum - What Can You Write About in Math?**, Ted Panitz, Cape Cod Community College

NEMATYC 2001

NEMATYC'2001 was held at Middlesex Community College in Lowell, Massachusetts, on Friday and Saturday, April 20 and 21, 2001. This was the 27th Annual Meeting. The Conference Chairpersons were Carol Hay and Maureen Woolhouse of Middlesex.

Besides a great program other events enjoyed by the participants included the following.

Friday Evening

- A tour of the Boott Mill National Park
- A trolley ride to the hotel, for dinner, then a shuttle bus to the Historic Nesmith House for dessert.
- The after dinner speaker was **Audrey Ambrosino** of Historical Lowell, at the Nesmith House.

Saturday After-Lunch Speaker

- **Dr. Robert Daveney**, Professor of Mathematics, Boston University, talked about and visually demonstrated Chaos Games and Fractal Images

Presentations

Friday

- Workshop: Internet Resources for Mathematics Instruction, **Stanton Lockwood**, New Hampshire Technical Institute, Concord
- Math Processes for Engineering, **Joan S. Gardner** and **Larry C. Lovett**, Franklin Institute of Boston
- Portfolios and Projects for Developmental Math Students, **Beth Fraser** and **Marie Caruso**, Middlesex Community College
- Math by Students Who Think They Can't Do Math, **Carol Henry**, Middlesex Community College
- Practical Application Problems Integrated into Introductory Algebra, **Paul Laverty**, Mount Wachusett Community College
- Make Fractals Part of Your Curriculum, **Andrew Freda**, The Rivers School, Weston, MA
- Sharing Ways to Improve the Life of the Migrant Worker, **Judy King**, New Hampshire Technical Institute, Concord
- The Teaching of An Online Statistics Course, **Joyce E. Oster**, Johnson and Wales University
- Web Based Test Creation, Tutorials and Class Management, **Kevin O'Brien**, Addison Wesley Publishing (Commercial Presenter)
- Fibonacci Vectors, **David Mello**, Johnson and Wales University
- Warm and Fuzzy Math - Using Tales to Teach Algebra Concepts, **Susan McCourt Faulkenberry**, Bristol Community College
- MassMath Forum: An Internet Information Exchange for Massachusetts Community College Math Faculty, **Judy Maggiore** and **Des Tynan**, Holyoke Community College
- Wake Up and Enliven Math Classes from Arithmetic through Precalculus, **Stephen Zona**, Quinsigamond Community College
- Applied Laboratories for Precalculus, **Robert Cournoyer** and **Charlene Solomon**, Wentworth Institute of Technology
- Mathematics for Automotive Technology Students, A New Approach, **John Jacobs**, Massachusetts Bay Community College
- Using The Web for Math Projects–Dream or Reality?, **Peter Demers**, KidsEnergy.net, Inc. (Commercial Presenter)
- Discovery Materials for Basic Math, **Jim Sullivan**, Massachusetts Bay Community College
- An Odyssey in Number Theory to Forge Connections, **Dr. Margaret J. Kenney**, Boston College, Mathematics Institute
- Math Labs, Tutorial Centers, and Help Desks, **Maureen Ruth**, Massachusetts Bay Community College

- Revitalizing Classroom Teaching and Learning with Faculty Externships, **Maureen Kelley** and **Catherine Pirri**, Northern Essex Community College
- Engaging Software Approach to Entry Level Mathematics, **Susan Giangrande**, Academic Systems (Commercial Presenter)
- Comparing the Community College's Acuplacer Computer Placement Test (CPT) to the MCAS Test, **Ted Panitz**, Cape Cod Community College
- Adventures with Computer Labs for Calculus, **Bernice Bowdoin**, **Susan Hoy** and **Cecilia Medeiros**, Bristol Community College
- When Students Ask, "When Am I Ever Going to Use This?", **Carol Henry**, Middlesex Community College
- Applied Laboratories for Algebra, **Robert Cournoyer** and **Charlene Solomon**, Wentworth Institute of Technology
- Inverse Probability; Simplification of The Bayes' Rule, **Dr. Eiki Satake** and **Dr. Philip Amato**, Emerson College
- Regression Using The TI-83 Calculator, **Dora Ottariano** and **Maureen Woolhouse**, Middlesex Community College
- Problem-Based Learning in A Mathematics Class, **Carol Hay** and **Carol Henry**, Middlesex Community College
- Reviewing for An Exam Using The "Game Show" Method, **Richard Wilson**, Massachusetts College of Pharmacy and Health Sciences

NEMATYC 2011

NEMATYC 2011 was held at Cape Cod Community College, West Barnstable, MA on Friday and Saturday, April 29, 30, 2011. The theme was "Relax, Refresh, Renew at the 4-C's". (4-C's is of course "CCCC") The conference chair was **Mary Moynihan** of Cape Cod CC. Besides a great program, attendees heard great plenary talks on Friday evening and at lunch on Saturday.

Housing for travelers was at The Corsair and Cross Rip Oceanfront Resort, Dennisport, MA.

On Friday evening a reception was held in that facilities house, and a talk on Ecotourism was given by **Dick Hilmer**, renowned expert in the field.

On Saturday **Ian Winokur**, Greenfield CC, gave a talk and demonstration on speedsolving, the process of solving Rubik's cube in a matter of seconds.



Presentations

- Modeling Eliciting Activities in the Introductory Course, Mary M. Sullivan (Rhode Island College)
- Developmental Mathematics Redesign Panel, Dave Henry (Bristol), Marsha Pease (North Shore), Carol Hay (Middlesex)
- An Online Precalculus Course for At Risk Students: Was I Crazy?, Anita Penta (Wentworth Institute of Technology)
- Attitudes towards Statistics and Course Achievement among Japanese College Students, Eiki Satake (Emerson College)
- A Recipe for Change: Pitfalls and Solutions for Redesigning Introductory Mathematics Courses, Irina Seceleanu (Bridgewater State University) Rebecca Metcalf (Bridgewater State University)
- Using TI-nspire(tm) Technology in the Developmental Math and College Algebra Classrooms , Jim Donatelli (Texas Instruments), Ed DePeau (Texas Instruments)
- Success with ALEKS in the Developmental Classroom, Maria DeLucia (Middlesex County College)
- Teaching Mathematics through Literature: The Big Read, Dona Boccio (Queensborough Community College)
- How to Use Personalize MyMathLab for a Course Redesign, a Self Paced Program and Other Alternative Formats., Kevin O'Brien (Pearson)
- Geometric Approach to Algebraic Ideas, Natalya Vinogradova (Plymouth State University)
- A New Approach for Business Calculus, Barbara Cavalieri (Dutchess Community College)
- Early American Mathematics and the Presidents, Andrew Perry (Springfield College)
- Math for Elementary Education in Southeastern MA: What is new?, Rebecca Metcalf (Bridgewater State University)
- Mastering Mathematics with Hawkes, Jennifer Moore (Hawkes Learning)
- Learn how Enhanced Web Assign can advance your students' learning!, Jeannine Lawless (Cengage)
- Refreshing our Knowledge of the History and Statistics of the Cape Cod Baseball League, Steve Krevisky (Middlesex Community College (CT))
- The little things I do in the classroom for our visual learner students., Charles Mazmanian (Johnson & Wales University)
- Using Open Source 2D and 3D Visualization Tools to Motivate Differential Equations, Adam Hausknecht (UMass-Dartmouth)
- Thinkwell,

- eInstruction,
- Using Scientific Writing in an Applied Statistics Course, Magdalena Luca (Mass College of Pharmacy and Health Sciences)
- Musical Dice Games, Larry Blaine (Plymouth State University)
- Math Boot Camp...Getting Students into Shape Fast!, Andreana Grimaldo (Quinsigamond Community College)
- How Odd is That?, Russell Coe (Suffolk County Community College)
- Rethinking Prealgebra, Judy King (NHTI-Concord's Community College)

NEMATYC – One Year Ago

NEMATYC 2019 was held at Quincy College, Quincy, MA, on Friday and Saturday, April 5-6, 2019.

The theme was “Mathematics in Action”.

The conference chair was Elena Heineke of Quincy College.

Participants enjoyed a program, with timely presentations, networking, awards, and a business meeting.

Friday afternoon featured a tour of the John F. Kennedy Library, followed by a reception at a nearby restaurant.

The keynote address was by Larry Davidson, Harvard University, retired, *The Mathematics of Elections: Who Wins When Nobody Gets a Majority of the Votes?*.

The presentations included

- **The Normal Distribution: Where Does it Come From?**, Nathaniel Brown, Quincy College
- **The Power of Simulation and Applications in Early College Mathematics**, Roser Gine, Lesley University
- **Are Irrational Numbers the Foundation of Natural Law?**, Paul Felker, Quincy College
- **Flipping Leads to Ferris Wheels, Motion Sensors, Battery Operated Cars and More!**, Anne O’Shea, North Shore Community College
- **Open Resources of Boston Bike Share Data for Statistics Instruction**, Tingting Fang, North Shore Community College
- **Social Choice Theory...in Practice!**, Billy Jackson, North Shore Community College
- **NHTI’s 100% Online Co-Requisite Math Course: Expanding Access and Supporting Gateway Course Completion in Year One**, Ryan DeFronzo, New Hampshire Technical Institute



<p>Join NEMATYC Not a member of NEMATYC? Join by sending the \$10.00 annual membership fee, payable to NEMATYC, to the NEMATYC Treasurer.</p>	<p>Aisha Arroyo, NEMATYC Treasurer Middlesex Community College 591 Springs Road Bedford, MA 01730</p>
---	--

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.



Did You Know?
 The National Association for Developmental Education (NADE) is now known as the National Organization for Student Success (NOSS).

NEMATYC EXECUTIVE BOARD – 2020-2021

				term
President	Billy Jackson	North Shore CC	wjackson@northshore.edu	20-22
Vice President	Autumn Alden	Bristol CC	autumn.alden@bristolcc.edu	20-21
Past President	Alex Cotter	Massasoit CC	acotter1@massasoit.mass.edu	20-22
Secretary	Philomena D'Alessandro	Quinsigamond CC	pdalessandro@qcc.mass.edu	20-22
Treasurer	Aisha Arroyo	Middlesex CC	arroyoa@middlesex.mass.edu	19-22
At-Large Member	Aliza Miller	Middlesex CC	millerak@middlesex.mass.edu	20-22
At-Large Member	Richard Neville		rick.neville.22@gmail.com	19-21
At-Large Member	Ulises Poyser	Quinsigamond CC	upoyser@qcc.mass.edu	20-22
At-Large Member	Tonka Zelenkova	Middlesex CC	zelenkovat@middlesex.mass.edu	19-21

Appointed NEMATYC Positions

Conference Co-chair	Autumn Alden	Bristol CC	autumn.alden@bristolcc.edu	20-21
Conference Co-chair	Alex Cotter	Massasoit CC	acotter1@massasoit.mass.edu	20-21
Conference Co-chair	Kerryn Snyder	Massasoit CC	ksnyder@massasoit.mass.edu	20-21
Past Conference Chair	Elena Heineke	Quincy College	eheineke@quincycollege.edu	19-21
Student Math League Coordinator	Kerryn Snyder	Massasoit CC	ksnyder@massasoit.mass.edu	18-20
Webmaster	Mary E. Sullivan	Cape Cod CC	msulli01@capecod.edu	18-20
Newsletter Editor	Philip Mahler	Middlesex CC	mahlermath@comcast.net	18-20

AMATYC Regional Vice President: Sophia Georgiakaki, Tompkins Cortland CC, sophia.georgiakaki@amatyc.org

<p>Internet Quiz Part 1 Answers</p> <ol style="list-style-type: none"> 1. A) PayPal 2. A) eBay 3. C) hyper “HyperText Transfer Protocol” 4. C) World “World Wide Web” 5. B) 1982 * 6. Upper New York State 	<p>Internet Quiz Part 2 Answers</p> <ol style="list-style-type: none"> 1. D) Pentagon 2. B) 8 3. C) Les Horribles Cernettes ** 4. A) Questions “Frequently Asked Questions” 5. D) Service “Internet Service Provider” 6. C) 1987 *** 7. B) with “g” as in “George” ***
--	---

* 19-Sep-82 11:44 Scott E Fahlman :-)

From: Scott E Fahlman Fahlman

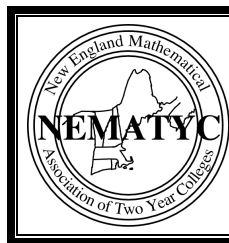
I propose that the following character sequence for joke markers :-)

Read it sideways. Actually, it is probably more economical to mark things that are NOT jokes, given current trends. For this, use :-(-

** Search on “Les Horrible Cernettes gif”; and check out <https://www.youtube.com/watch?v=A1L2xODZSI4> .

*** Steve Wilhite created the Graphics Interchange Format, or GIF, while working for Compuserve in 1987.

When he received a Webby Award for it he delivered his five-word acceptance speech (that's all the Webbys allow) by flashing a GIF on the screen. "It's pronounced JIF, not GIF."



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
 PO Box 697
 Carlisle, MA 01741