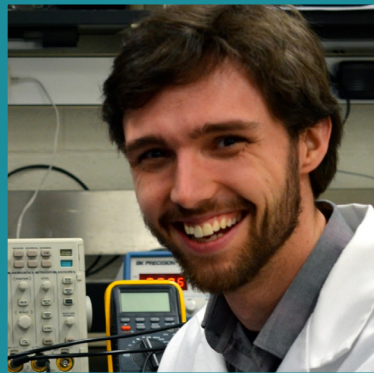
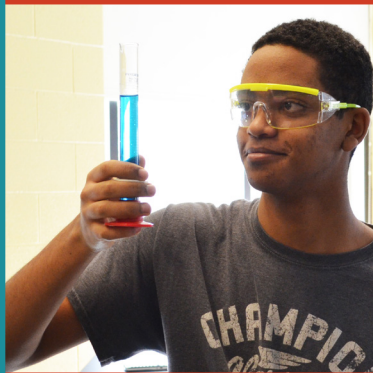
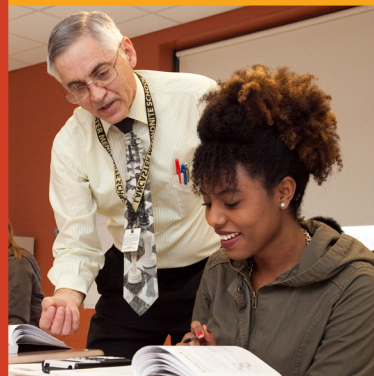
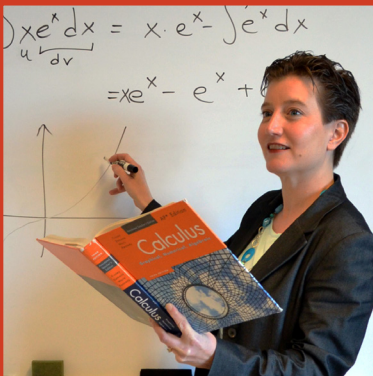


LANCASTER MENNONITE SCHOOL

bridges

Winter 2016



MATHEMATICS & SCIENCE: Teachers, Students and Alumni Making a Difference



Connecting the DOTS

This issue of *Bridges*
focuses on Math
and Science.

GARY HILLER
EDITOR



The next issue of
Bridges will focus on
SPIRITUAL LIFE.

Although LM encourages
the integration of faith and
spiritual life in *all* vocations and
recognizes that persons in *all*
fields can contribute to building
the kingdom of God, the alumni
featured in the next issue will
be pastors, missionaries, church
leaders, Bible teachers, seminary
professors, etc.

If you would like to be
considered for a story, or if you
would like to suggest someone
to be featured, please email
hillerg@lancastermennonite.org
or submit information online at
[www.lancastermennonite.org/
alumni/update](http://www.lancastermennonite.org/alumni/update).

Bridges is the community magazine of
Lancaster Mennonite School, sent to alumni,
parents and friends. LMS exists to transform
students so they can change our world through
Christlike love, peacemaking and service.

Lancaster Mennonite School admits students of any
gender, race, color, national and ethnic origin to all the
rights, privileges, programs and activities generally made
available to all students at the school. The school does not
discriminate on the basis of gender, race, color, national
or ethnic origin in the administration of its educational
policies, admissions policies, scholarship programs and
athletic or other school-administered programs.

in this issue

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Editor's NOTES



Due to the importance of mathematics and science, LM's academic
program makes these core subjects a priority. A number of alumni have built
on this foundation to achieve success in related fields and are featured in this
issue. Many more persons could be mentioned.

For this issue, we have limited our scope to current teachers, students and
alumni who are scientists, mathematicians or teachers of science and math.
In some cases we have included alumni with strong mathematics/science
backgrounds who are involved in creating new products through engineering.

Although science courses are foundational to the study of medicine, this
issue has highlighted only MD's who are involved in the scientific aspects
of medical research rather than the practice of medicine. The list of alumni
who have gone on to be physicians, surgeons, nurses and other medical
professionals could scarcely be contained in one issue.

While few students will become mathematicians and scientists like these
alumni, all LM students benefit from the math and science courses they
take to enhance their employability, their ability to understand the world
around them — and, according to the words of our teachers and alumni, their
appreciation of God.

When one reads these stories, one is impressed by the prominent mention
of Christian faith. This spiritual dimension was not solicited by the editor,
but arose spontaneously during interviews and from materials submitted for
stories. Many teachers took the initiative to submit articles and comments
about faith in relation to math/science, only some of which can appear in this
issue.

The next issue will focus on spiritual life but, as will be seen, the faith
dimension is certainly present in math and science at LM. Enjoy this issue of
Bridges magazine!

Lancaster Mennonite School has five campuses:

Hershey, grades K-12 1525 Sand Hill Road Hummelstown, PA 17036 (717) 533-4900	Kraybill, grades PreK-8 598 Kraybill Church Road Mount Joy, PA 17552 (717) 653-5236	Lancaster, grades 6-12 2176 Lincoln Highway East Lancaster, PA 17602 (717) 299-0436
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Locust Grove, grades PreK-6 2257 Old Philadelphia Pike Lancaster, PA 17602 (717) 394-7107	New Danville, grades PreK-5 393 Long Lane Lancaster, PA 17603 (717) 872-2506
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Volume 43, No. 3 Editor: Gary Hiller – hillerg@lancastermennonite.org
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The Poetry of MATH & SCIENCE

Pure mathematics is, at its heart, the poetry of logical ideas.
— Albert Einstein

This issue of *Bridges* features some of the
many alumni making an impact in science and
mathematics. Behind their success is a solid
foundation provided by outstanding teachers,
and we'll feature them, too.

A theological underpinning of Western
civilization is that God and God's world are
not arbitrary. Instead, the universe is ordered
by a consistency of principles, patterns and
processes. The God of the Bible is a God of
miracles, not magic.

The earliest scientific discoveries were led
by this theological understanding, and scientists
were people of faith as well as reason.

Lancaster Mennonite School's mathematics
and science program has a significant impact on
the Church and the overall Christian community
by integrating faith with reason. Whereas some
in the faith community perceive that science
is the enemy of faith, many of our featured
teachers and alumni are active in church
leadership.

Whether or not they choose to be
professional scientists or mathematicians,
students emerging from this program are well-
equipped to use mathematical and scientific
principles to help understand the world.



From PreK
through high
school, a
carefully planned
curriculum is
preparing students
for success.



MERLE REINFORD

Merle Reinfeld began teaching at LMH in 1975. "I taught Algebra 2, Math 2, and a freshman Bible class my first year," the veteran teacher recalled. He subsequently taught Geometry, Business Math, Fundamental Math, Algebra 1, Computer Science and Advanced Computer Science over the years, but he is perhaps best known for Calculus. Reinfeld helped bring the AP program to LM, asking permission to turn his Calculus class into the first AP course that LMH offered.

"When I first came to LMH, few students were taking more than two math courses. Advanced Mathematics was the highest level. Now we have AP Calculus, Statistics, and AP Statistics in our curriculum. Students are required to take three years of mathematics and many take math all four years. When I began teaching, calculators were not permitted in classes, now graphing calculators are a necessity for upper level math courses."

Looking back on his long career, Reinfeld reflected: "I most enjoyed the interaction with students and seeing the joy of their success after mastering concepts. I really enjoy having alumni come back to share how what they learned in my classes has helped them find success in college or their careers."



FACULTY focus

NEIL REINFORD

"By understanding science, students can learn about the Creator," said Neil Reinfeld (B.S., Biology, Eastern Mennonite University; M.A., Secondary Education, Lehigh University) who teaches middle school mathematics and Environmental Science at the Lancaster Campus.



DUANE EVANS

"I love challenging young people to develop their thinking and analyzing skills, both academically and spiritually, and assisting them along the way," said Duane Evans (B.S., Chemistry, Messiah College; Master of Chemistry Education, West Chester University), who teaches Honors Chemistry and AP Chemistry at LMH.



REBECCA WOLGEMUTH

Rebecca Wolgemuth teaches middle school science at the Kraybill Campus. In sixth grade, students study Earth Science. Seventh-graders study Life Science and all eighth-graders take Physical Science. She has a B.S. and M.A. from Salisbury University.

M. JANELLE THOMAS '91



"I was inspired to enter the field of teaching, rather than a particular subject," said Janelle Thomas '91, who teaches science at Lancaster Mennonite Middle School.

"I think that positive mentoring experiences with an adult can change the course of a kid's life."

However, along with loving teaching, she loves that "new things are happening every day in the field of science, and a lot of it is mind-blowingly cool!"

A 1991 LM graduate, Thomas holds a B.A. from Eastern Mennonite University and an M.A. in Teaching from the University of Pittsburgh.

RACHAEL THOMAS

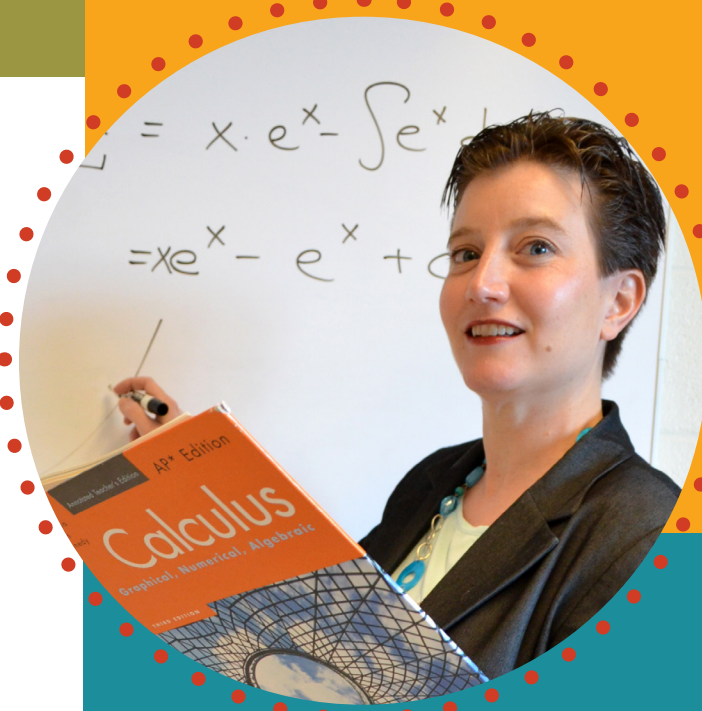
Faith & Math by Rachael Thomas

It is fairly easy for most folks to see how Christian faith organically shapes a history, science or even literature class. But math? Numbers are sort-of faithless, aren't they? Aside from contrived word problems about the volume of the ark or the rate at which Peter catches fish, how does one incorporate faith into the modern mathematics classroom?

I believe the difficulty in this conundrum arises from two common misunderstandings: a misunderstanding of what math is and a misunderstanding of how Christian faith shapes our classes. First, mathematics is not formulas, numbers and rote facts. It is the organization of our world – the patterns that govern nature, growth, communication and art – the language of logic and reason – far more spiritual than $2+2=4$.

Secondly, faith for the Christian teacher is not something to be added *a-la-carte* onto an otherwise completed discipline, but the driving force behind each technique and lesson. Our God is a God of order, and mathematics is a phenomenon of God's creation! It was Galileo who famously penned: "Mathematics is the language by which God hath written the universe."

In this light, incorporating faith in the math classroom is elegant and effortless. From the study of logical argument and reason in scripture to the appreciation of beauty and order as a consequence of divine design, faith powers our inquiry and our analysis. So with the sound mind with which God has equipped us [II Tim. 1:7], we come and reason together [Is. 1:18] – mathematically.



Rachael Thomas has a B.A. and M.A. in pure mathematics from Bryn Mawr College. She teaches AP Calculus AB, AP Calculus BC, AP Physics, Geometry and Pre-calculus at the Hershey Campus.

"If you would have told me that I'd be a high school math teacher when I was in high school, there's no way I would have believed you. I hated math in school; it seemed boring, monotonous and pointless. I was an artist, a musician, a writer. I loved the poetry of life, not formulas and lines.

Not until I understood that mathematics could transcend numbers to tackle deeper questions and patterns in the larger world did I realize how much I really loved it. And I do! I LOVE math. I love to think about math, to do math and to tell others about math! I love that Geometry is a phenomenon of God's creation, that Calculus and Physics are two horns on the same monster, and that mathematics is at the heart of music, art and writing.

Albert Einstein once said: "Pure math is, at its heart, the poetry of logical ideas." I couldn't agree more. And I relish every opportunity to bring mathematics to life for my students, mastering the numbers, formulas and equations so that we can use them as tools to solve problems, understand truth and create beauty."

RENEE SATTAZAHN

"As you study science and math, God's intelligence and complexity is revealed, and we discover how little we really do know and understand as finite creatures in a universe created by an infinite God," said Renee Sattazahn, who teaches middle school and high school mathematics and science at the Hershey Campus.

"One of my greatest joys is seeing the thrill in a student's eyes, whether it be from overcoming a challenge or discovering something captivating."



Sattazahn graduated from Lebanon Valley College with a B.S. in Biology and a master's in Science Education. While there, she did plant physiology research. For her master's thesis she conducted original research surveying parents about their perceptions of their child's secondary Christian school experience.



HUGO DE LUNA

Hugo De Luna (B.A., Mathematics Education, Goshen College) teaches algebra and geometry at the Lancaster Campus. He was born in Aguascalientes, Mexico, and moved to Goshen, Indiana, as a teenager. De Luna says:

"My love for teaching math started back in high school while tutoring ESL students with their math homework. As a teacher, I enjoy showing students the beauty of our world through mathematics."



FACULTY focus

MICHAEL NATALE

Michael Natale majored in anthropology/archeology at Millersville University, but always liked math. "It came natural to me," he said. He went on to obtain an M.Ed. in Secondary Education with a social studies and middle school math certificate from Cabrini College and now teaches middle school math at the Lancaster Campus.

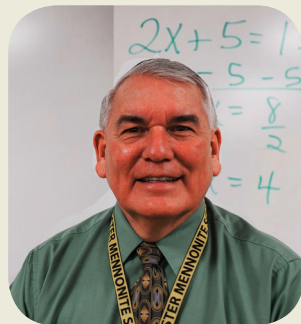


MICHELLE CALIFF

"I like helping students discover they are capable of learning what is typically thought of as a difficult topic," said **Michelle Califf**, who teaches math at the Hershey Campus. "It's fun to watch someone's face as they go from complete confusion to 'getting it.'" Califf has a B.S. in Mathematics Education from Geneva College and an M.S. in the Art and Science of Teaching from Wilkes University.

BOB DAILEY

Bob Dailey (B.A., Elementary Education, Eastern University) teaches math to grades 6 and 7 at the Hershey Campus. Dailey said he enjoys teaching math because it "develops problem solving skills in a systematic way." He also likes to see the students use various strategies that can be used to solve the same problem.



TYLER HERR

Tyler Herr (BS.Ed, Secondary Mathematics, Millersville University) teaches mathematics at the Kraybill Campus. Middle school math covers a wide range of topics. Eighth-graders start Algebra.

ALICIA SHIRK

Alicia Shirk (B.S., Chemistry Secondary Education, Geneva College) teaches science at the Hershey Campus. "I like how science is a very hands-on way to learn about God's creation and seeing God in the details and the interconnections of the physical world," said Shirk. "Both math and science came easily to me, but I choose chemistry because of the blend of the two disciplines."



The LM APPROACH to MATH

LM believes that all students can do math and be successful! According to Director of Curriculum **Brenda Bare** (B.S., M.S., Math Education, Millersville University), "The school's goal in math education is that students develop long-term retention and deep understanding of concepts that can be transferred and applied to new situations in the future."

Students develop these skills in the math classroom as they work in communities of thinkers and at times present their work to their peers in classrooms where it is safe to explore ideas and make mistakes. All students

can contribute and engage in mathematical ideas.

Bare said, "Balanced rigor occurs as students grow in procedural skill, number sense and confidence in fact fluency while deepening understanding through the use of resources such as Everyday Mathematics at the elementary level and College Prep Math and other texts at the secondary level." Elementary students also use online programs such as Reflex Math (grades 2 and 3) for fluency of math facts. A teacher said, "Reflex Math is making a huge positive effect on my students' math success."



MATTHEW SPURRIER

Matthew Spurrier (B.A., Mathematics, Messiah College) was born and raised in Zambia, Africa, where his parents were serving as missionaries. He currently teaches geometry at the Lancaster Campus.

"One thing I have really appreciated about math is that it helps me understand God," Spurrier said. "Being able to calculate infinite sums that add to a finite amount increases my faith in a God who is infinite and yet wants to know and walk with me each and every day."



LEW MARTIN

Lew Martin (B.S., Math Education, Millersville University) teaches algebra at the Lancaster Campus. His cousin inspired him to be a math teacher when she told him that he "had a gift for explaining things that were hard to understand."

SEAN BOER

Sean Boer holds a psychology degree from Eastern Mennonite University, but decided to become a math teacher. He obtained a mathematics teaching certification from Millersville University and currently teaches Algebra 2 and Statistics at the Lancaster Campus.



CEDRIC STEINER

Cedric Steiner (B.S., Eastern Mennonite University) teaches biology at the Lancaster Campus.



STUDENT spotlight



Naomi Bronkema '16 is heading to Swarthmore College next fall to study biochemistry. "Swarthmore has a good science program that

NAOMI BRONKEMA '16

involves undergraduates in high-level research," Bronkema responded when asked why the highly-selective national liberal arts college (ranked #3 in the nation according to *US News and World Report*) was her first choice. Her sister **Rachel Bronkema '14** is currently a Swarthmore sophomore, but Bronkema said that the family relationship did not affect her decision. "I want to do something different than my family tradition," she explained. "That is one reason why I am going into science." Her family tradition involves a long line of ministers and missionaries, and her parents, Bob and Stacy, both have M.Div. degrees from Princeton Theological Seminary and are both ordained Presbyterian

Church (U.S.A.) ministers of Word and Sacrament. Robert is pastor of First Presbyterian Church of Strasburg.

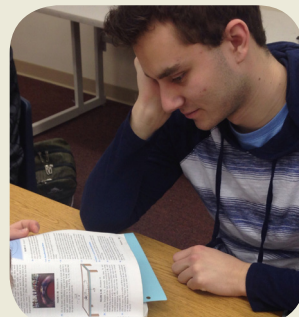
Bronkema was inspired to enter the field of biochemical research after an invigorating AP Chemistry course with Duane Evans. "I loved that class," Bronkema said. "That's when I decided to become a biochemistry major."

She especially appreciated good class discussions. When asked about her overall LMH experience, Bronkema answered thoughtfully, "Through the classes I've taken here, I haven't found all the answers, but they've helped me formulate the questions."

Bronkema will also be participating in basketball and track and field. "I want to be involved in more than academics," she explained, adding "I want the full college experience."

ANDREW FURJANIC '16

Andrew Furjanic '16, obtained a perfect 800 score on the math section of the Scholastic Aptitude Test in his junior year. He is a founding member of the Math Club at the Hershey Campus and has been an active participant on teams competing in the AMC and PAML contests as well as the HACC and Dickinson College invitational contests. His teachers describe him as a clever problem solver with an impressive command of fundamental techniques, both of which contribute to his success in AP Calculus and AP Physics. A National Merit Commended Scholar, he will be attending Grove City College next year on a Trustee's Scholarship with plans to study mathematics and business.



TYLER WARTHMAN '16

Tyler Warthman '16 was the top scorer from the Hershey Campus at the Dickinson invitational math contest, placing 36th in a field of competitors from across the state. He is a founding member of the Math Club and participates consistently in AMC and PAML contests. Teacher Rachael Thomas says, "Tyler approaches mathematics with keen intuition and a refined awareness of its elegant complexity." He is an engaged and successful student in both AP Calculus and AP Physics, showing enthusiastic interest in the theoretical underpinnings of mathematical constructs. Warthman plans to pursue a degree in computer science at West Chester University.



GRACE LI '16 & SETH BUCKWALTER '97

At the age of 11, while other children were watching crime shows on television, Grace Li '16 says she was reading real-life books about solving crimes through an examination of injuries and tissue samples.

Li has applied to the Massachusetts Institute of Technology, Harvard and Cornell, and has already been accepted at Rutgers University to major in bio-medical engineering. Eventually, she wants to earn an M.D., but she wants to work on the dead rather than the living: her ultimate goal is to be a forensic pathologist – a medical professional who specializes in determining the cause of death.

She has already observed autopsies conducted in her hometown of Hangzhou, China. As is typical in China, the autopsies took place in a funeral home prior to the cremation of the body. She has also observed surgeries at Lancaster General Hospital.

Li had her first exposure to US education through an exchange program when she was in eighth grade. "I fell in love with how American teachers teach and students learn," she said.

As she considered which US school to attend, she found out about Lancaster Mennonite School through a family friend whose daughter graduated from LM, and enrolled based on her recommendation.

"I feel that I have good teachers like Mr. **Seth Buckwalter '97** who inspire students," she said when asked what she liked about LM.

"The variety of AP courses provides an opportunity to challenge myself through rigorous academic work."

In addition to her heavy course load, Li has been researching how to generate electricity using

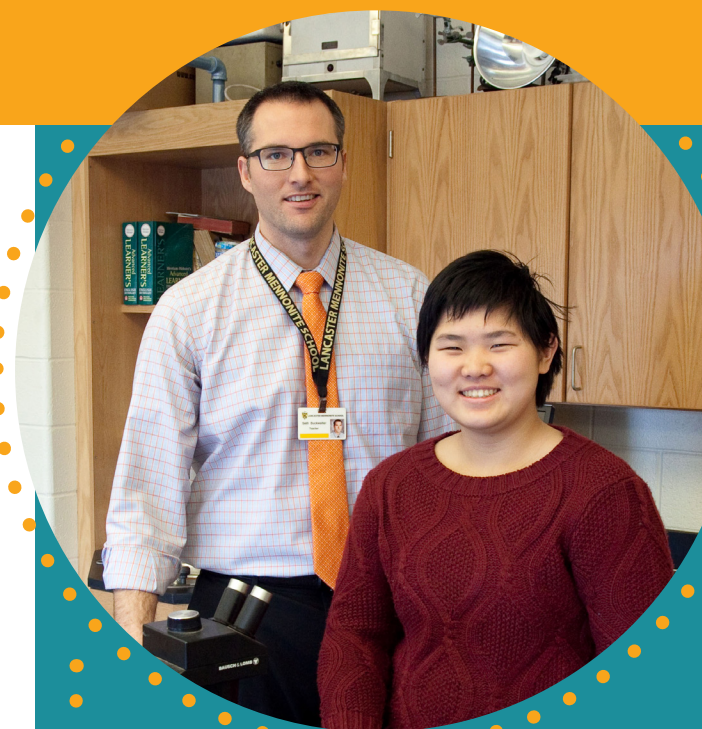
photosynthesis from algae, and her team has created a biophotovoltaic battery (BVD) that was entered into the PA Governor's STEM Competition, where the project placed second in the regional competition.

"We need to develop renewable energy sources to replace fossil fuels," she explained, "but most of the alternatives are expensive." Consequently, she believes that harnessing the photosynthesis of lowly algae can be an inexpensive source of power for the future.

Li has been part of the Science Olympiad competition and is a member of the highly-ranked LMH Quiz Bowl team where her specialty is both science and music. An accomplished cellist, she also has a keen interest in English literature. "I try to be balanced," said Li.

Seth Buckwalter '97 has a B.A. in Education/Biology from Bloomsburg University, an M. Ed. from Eastern Mennonite University and teaches Advanced Placement Biology, Biology and Chemistry at LMH. He credits **Charles Longenecker '50** and Leon Good for inspiring him to be a biology teacher:

"I would say that their passion for the subject increased my interest in science to the point that I chose it as a major in college. The experiences that I remember loving the most were dissecting fetal pigs in Advanced Biology and identifying all the types of wildflowers and trees on campus with Mr. Good."



"Near the beginning of the school year, a student asked me, 'Hey Buck, did you ever find it difficult to study science and hold on to your beliefs about Christianity?' I am asked that question every year, and it is one of several reasons I love teaching at Lancaster Mennonite. I usually turn the student's question into one of the most important class discussions of the year. We talk about creation and evolution and how a Christian who loves science deals with those issues. We talk about the idea that we serve a supernatural God who cannot be studied by science, which only focuses on the natural world. We talk about Christian perspectives on how God created the natural world. Ultimately, I assure the students that, as I learn more about the natural world, my faith in God's power and God's word is strengthened. I often wonder what would happen if I received the same question at another school, and I'm not sure what I would do. But I feel incredibly blessed to teach at a school where God is the creator and studying science allows us to praise our Maker. I like this verse: 'For since the creation of the world God's invisible qualities – his eternal power and divine nature – have been clearly seen, being understood from what has been made, so that people are without excuse.' [Romans 1:20]"



Featured ALUMNI

BOB WYBLE '61 & CHARLES LONGENECKER '50

Charles Longenecker '50, Lititz, (right) inspired Bob Wyble '61 (left), John Leaman '91 (p. 16), Seth Buckwalter '97 (p. 8) Justine Weber '02 (p. 18) and many others during his four decades of teaching at LMS. Longenecker retired in 1999 and continues to use his gift of teaching as an instructor for Landis Homes' Pathways Institute of Lifelong Learning. He is married to Barbara Rutt '52.

"I had no idea what I wanted to do when as a young farm boy I began attending LMS in 1958," says Bob Wyble '61. "I enrolled to take a biology class with Charles Longenecker '50 in my sophomore year (Longenecker's first year of teaching). I just loved Mr. Longenecker as a teacher and, because of him, I developed an interest in biology. Because of LMS and Charles Longenecker I had a wonderful career teaching biology at McCaskey High School and Penn Manor High School."

While teaching biology 10 years at McCaskey High school, and nine years at Penn Manor High School, Wyble received the Outstanding Biology Teacher of the Year award for the state of Pennsylvania from the National Association of Biology Teachers. He also received the Outstanding Young Educator award from the Lancaster Jaycees for his work as a naturalist and instructor at the Lancaster County Park. He was a state director for the National Association of Biology Teachers in 1978 and served as president of the

Pennsylvania Science Teachers Association in 1987.

"As a science teacher, I had opportunities to encourage and stimulate students to develop an interest in science, just as Charles Longenecker motivated me to study science," Wyble said. He encouraged and mentored his students to enter projects in the Lancaster Newspapers science fair program and took several students to the National Science Fair, where one student won an award.

Wyble accepted a position as assistant principal at Warwick High School in 1989. After serving 15 years in that capacity, he retired from public education in 2004.

Looking back on his career, Wyble says, "I thank Charles Longenecker '50 for launching me into a career as a biology teacher. I thank LMS for other courses that helped shape my values and that served me well throughout my life. I am blessed to have spent four years in high school at LMS."

CHESTER "BERNIE" GOOD '75

An LM alumnus is working to ensure that the medicines you take are safe. Dr. Chester "Bernie" Good '75 is an internationally-recognized leader in drug safety. After graduating from LM, he pursued a B.S. in biochemistry from the University of Maryland, obtained an M.D. from George Washington University and then did specialized study in epidemiology at the University of Pittsburgh where he is a professor of medicine and pharmacy.

As a drug safety expert, Good serves on the Food and Drug Administration's Drug Oversight Board. He chairs the advisory panel that oversees drug benefits for the VA nationally and is also the co-director of the VA Center for Medication Safety.

"I believe that my years at LMH were quite formative in my faith development, my development as a young man and as a Christian," Good said. "I developed friendships which continue to this day, and I grew as a person."

NICK WEAVER '13 L. MARLIN EBY '69

Like his father Michael Weaver '80, Nick Weaver '13 is a "math guy." But unlike his dad, who loves to use numbers in business, Nick aspires to do business in numbers.

"My dad loves numbers," Weaver said, "and ever since I can remember, he was the math guy." Now the younger Weaver is definitely the "math guy" in the family as a mathematics major at Messiah College where he is studying to become an actuary.

Along with being the top mathematics student in his senior class — he won the Mathematics Department Award — Nick was a standout all-state volleyball and soccer player while expressing the esthetic side of his personality singing in Campus Chorale and acting in many drama productions. He showed leadership, too, as president of the National Honor Society. But math was his first love.

Weaver explained:

"I can truly say that my decision to become a mathematics major was a direct result of the teachers I encountered while at LMH. Beyond investing in my personal life and growth, the teachers did an amazing job preparing me for the next level of math that I've encountered in my undergrad work. Mr. Merle Reinford and Mr. Dean Brubaker gave me a solid foundation in calculus and statistics that allowed me to make an easy transition to advanced collegiate courses. Through their courses I grew fond of calculus and statistics, two very important areas for an actuary."

While at Messiah, Weaver connected with one of his statistics professors, LMH alumnus L. Marlin Eby '69:

"In my first semester at Messiah, I joined Dr. Eby's Statistics course. Near the beginning of the term an issue of *Bridges* came out that

mentioned me a few times. Dr. Eby brought it to class and shared the blurbs on me with the class. It didn't take too long for me to figure out that Dr. Eby must also be an LMH alumnus!"

"Seeing another alumnus who had accomplished so much with statistics gave me a lot of confidence in my own LM education and gave me the thought that I could possibly pursue even more with statistics like Dr. Eby."

Eby also recalls making the LM connection with Nick:

"I was quite impressed when he enrolled in my second-year Statistics course his first term. Clearly he came into Messiah very well prepared mathematically and statistically — a tribute to his time at LMS."

"I look back fondly on my own years at LMS," Eby said. "It was certainly motivating to be surrounded by so many students with a strong work ethic."

After graduating, Eby obtained a B.A. from Millersville State College in 1973. "Several times, my mathematics professors asked where I had attended high school," Eby said. "When I told them, they would comment that LMS was a good school and that they had other LMS students who did well in math at Millersville."

Eby earned an M.Stat. and Ph.D. from the University of Florida in 1975 and 1978 and began his professional career with a three-year professorship at the University of South Carolina and a 4.5-year position with a consulting firm.

In 1986, he joined the faculty of Messiah College, where he was instrumental in establishing the college's highly-regarded statistics program.

"I sensed God calling me to teach in a Christian college where I could use my professional expertise and Christian commitment in the academic and spiritual nurture of young people," Eby said.

Eby currently teaches the nine statistics courses housed in the Department of Mathematics, Physics and Statistics. Consulting experiences, both with the consulting firm prior to coming to Messiah and while at Messiah, have provided a wealth of examples that have enriched his teaching and mentoring.

Who most influenced Eby?

"Although I had many good teachers at LMS, the most influential was Stanley Kreider, who encouraged me both directly and indirectly mathematically. I did not realize it then, but Brother Kreider was mentoring me. During my senior year, I decided to major in mathematics in college."

Looking back on his career, Eby ties it all together this way:

"It has been rewarding to encourage students to develop their God-given abilities. Nick is one of those who responded by pursuing statistics at Messiah. As one who was influenced significantly by my own mentors — the first of them being Brother Kreider — I take quite seriously my role as a mentor to my students."

PHOTO: Provided by Messiah College



PHOTO: Provided by Millersville University



Featured ALUMNI

RON UMBLE '68 & KRISTEN GOCHNAUER '12

Sparked by Stanley Kreider's outstanding teaching, **Ronald Umble '68** took a serious interest in math during his years at LMS. Umble reflected:

"That experience inspired me to take calculus during my freshman year of college—just out of curiosity! At the time my intention was to major in music, not math. But when music didn't work out for me, I switched to math and found my niche. Years later I would dedicate my doctoral dissertation to Stanley Kreider."

Umble began his teaching career in 1973 as graduate teaching assistant at the University of Virginia. He completed his masters degree and the following year was hired by Hesston College where he taught mathematics and computer science through the

spring of 1984. For two of those nine years he pursued doctoral studies at the University of North Carolina at Chapel Hill where he completed the research required for the Ph.D. degree in mathematics. Following his return to Hesston in the fall of 1981, he spent a year writing his dissertation and was awarded the Ph.D. in the spring of 1983. In the fall of 1984, he accepted the position he now holds in the Department of Mathematics at MU.

Kristen Gochnauer '12, a mathematics education major, is Umble's student in Transformational Geometry, using his textbook *Transformational Plane Geometry*, published by CRC Press in 2015. "Taking AP Calculus at LMH with Merle Reinford was extremely influential in inspiring me to be a math educator," she said.

Alumnus Ron Umble wrote the advanced mathematics textbook that alumna Kristen Gochnauer '12 is studying today at Millersville University.

J. RICHARD LANDIS '63

J. Richard Landis '63 has been actively involved in collaborative biomedical research and the development and evaluation of methods for the analysis of categorical data. He is currently Professor of Biostatistics in the University of Pennsylvania Perelman School of Medicine, with a secondary appointment as Professor of Statistics in the Wharton School. Landis serves as Division Director of Biostatistics for 37 faculty within the Department of Biostatistics and Epidemiology, and as faculty co-director of the Clinical Research Computing Unit, providing research coordinating services for biomedical and clinical researchers at Penn. Landis was Professor of Biostatistics at the University of Michigan School of Public Health from 1975 to 1988. In 1988, he founded the Center for Biostatistics and Epidemiology at the M.S. Hershey Medical Center of the Pennsylvania State University and served as its director for nine years. Landis' honors include Fulbright Senior Scholar, Fellow of the American Statistical Association, the International Statistical Institute, the Mortimer Spiegelman Gold Medal Award and the Environmental Protection Agency Scientific and Technical Achievement Award. He received a B.S.Ed. in Mathematics from Millersville University and earned his M.S. and Ph.D. in Biostatistics from the University of North Carolina. He and his wife, the late Jean Myer Landis, are parents of alumni **Nathan M. Landis '94** and **Deborah J. Landis '96**. At his fiftieth LMH class reunion, he spoke about the role of faith in his life and work. Reflecting on his LMH days he said, "I had developed a special love for math, being mentored by the passionate, motivational teaching of Stanley Kreider."

ANDY HERSHEY '72

For Andy Hershey '72 faith and science have gone hand-in-hand for most of his life.

In 1986, while he was still studying science and math at Millersville University, Hershey was called to be associate pastor in his home congregation, Hershey Mennonite Church, where he served until 1998.

He began teaching in 1989 at the Locust Grove Campus as a junior high science teacher and started teaching physics at LMH in 1991.

Hershey has seen many exciting changes in the curriculum over the years, such as computer-based labs using computers to take real-time data in the classroom. Sensors such as motion detectors, force sensors, accelerometers and photogates (to measure time) are interfaced into the computer to take accurate data in the lab and as an additional learning tool. Using the motion detectors, students can watch all their movements being graphed simultaneously on a distance-time graph or velocity-time graph.

"I thought this was a more effective teaching tool than the way I had

taught the topic before the computers," Hershey reflected. "It certainly created more interest!"

In addition to teaching physics, Hershey worked with the FFA ag mechanics team and small engine team that competed against teams from other FFA chapters at the regional, state and national levels. He also worked as an event coordinator with the Science Olympiad competition. Last year and this year, he is involved with a team of LM students competing in the PA Governors STEM Competition.

"I like to see students working well together to collaboratively solve problems in the lab setting," Hershey said.

Hershey is married to **Yvonne Lefever '76** and has three children, all of whom graduated from LM: **Meghan '05** married to **Jonathan Brubaker '02**, **Justin '08** and **Derek '10**.



Darren Weinhold '08 recalls:

My best memory from physics class was working on the turn table for the school musical, *Les Miserables*. With guidance from **Andy Hershey '72**, we used force scales to measure the moment of rotational inertia. Then we talked to the director about his requirements for how fast the turn table needed to rotate. We then calculated the size of the motor needed to operate it. That was the first time I experienced what it was like to be an engineer. To me, that project demonstrates the difference that an excellent teacher and a school system, which gives teachers the freedom to use their gifts, can make to the formation of students.

DARREN WEINHOLD '08

Darren Weinhold '08 has the distinction of being the only freshman in his class at Swarthmore to be placed in an advanced physics course at the highly-selective national liberal arts college. He also earned the only research position given to a freshman, conducting research in "electromagnetic plasma confinement for fusion" as he worked toward an Astrophysics special major. Today, Weinhold is a vacuum scientist for the Fredericks Company,

researching and designing vacuum sensor technology. In this role, he finds himself acting as a physicist, engineer or chemist to investigate measurement techniques and manufacture vacuum sensors using electromagnetic fields to measure ion density or measuring heat loss from a thin wire

to measure the number of molecules impinging on the wire's surface.

A member of the American Vacuum Society, he interfaces with government labs to provide the optimal vacuum measurement solution for their applications. One of his current challenges is shrinking established sensor technology to decrease cost while maintaining or improving performance.

"LM played a large role in developing my interest in math and science," Weinhold said. "At Locust Grove, my teachers challenged me in math and encouraged me to participate in competitions such as Math Counts and PA Math League."

At LMH, he continued to participate in math competitions. Due to the wide selection of courses at LM, he says he was able to "pack my schedule with as many math and science classes as possible."

Looking back on those classes, he said, "Teachers like **Andy Hershey '72** and Dean Brubaker played very formative roles in my understanding of math and science." His favorite class at LMH was AP Physics with **Andy Hershey**, who initiated the course. "His initiative to begin teaching a class that would really challenge students demonstrates how dedicated he was to teaching and to students," Weinhold reflected.





R. William “Will” Thomas ’05 is the Great Basin Institute Hydrological Technician for US Fish and Wildlife Region 8, based in Sacramento, California, where his duties include establishing continuous water discharge, quality and temperature measurement stations and groundwater monitoring in several national wildlife refuges. After graduating from Goshen College in 2009 with a B.A. in Environmental Science, Thomas

worked as an AmeriCorps member with the Armstrong Conservation District in Kittanning, Pennsylvania, assisting with stream restoration projects, implementing best management practices on local farms to prevent sediment runoff into streams and rivers, and monitoring temperature and conductivity in streams located in small watersheds where hydraulic fracturing for natural gas was being implemented. He also worked at Ash Meadows National Wildlife Refuge doing invasive plant management through mechanical and chemical controls and trapping and removal of invasive aquatic organisms from

WILL THOMAS ’05

streams and wetlands that provided habitat to three endangered desert fish species. Other duties included measuring spring discharge, spring water temperature and groundwater through a network of monitoring wells.

“The two LMH courses that most affected my studies and career were Advanced Biology 1 with Leon Good and Advanced Environmental Science with **Lee Good ’88**,” said Thomas. “In Advanced Bio 1 we conducted a transect survey of tree species and size in the forest between the athletic fields and Millstream Road. In Advanced Environmental Science, we collected and identified aquatic macro-invertebrates in Mill Creek that runs through the Lancaster Campus. I think it is rare to have these opportunities at the high school level.”



PHOTO: Provided by the University of Florida

PHILLIP SHIRK ’03

After graduating from LMH, **Phillip Shirk ’03** went on to receive a B.S. in Biology at Eastern Mennonite University and an M.S. in Biology from Virginia Commonwealth University, where he was awarded a Fulbright Fellowship from the US Department of State to support his research on the effects of forest fragmentation on chameleons in the East Usambara Mountains of Tanzania. He then joined the Osenberg lab in the Department of Biology at the University of Florida to pursue his Ph.D. in Zoology/Animal Biology.

At UF, Shirk continues to be the primary engine behind ongoing collaborative research on the unique reptiles and amphibians of East Africa. He recently collaborated with biologists and conservationists from Michigan State University, University of Maine, Paul Smith’s College and the University of Dar es Salaam in Tanzania to generate the first population estimates for Tanzanian chameleons. This research is being used by the International Union for Conservation of Nature to help determine these species’ extinction risk. Because many chameleon species are exported for the international pet trade, the findings will also be used by Tanzanian authorities to help set export quotas for these species.

Shirk is also interested in how other factors, such as climate change, may impact chameleons remaining in protected areas. “As the human population grows, landscapes are converted to human use, threatening forest-dependent chameleons and many other species,” he said. “It’s important to know what’s happening to the many species that entirely rely on these forests for their existence.”

MORGAN STEFFY ’12

While studying software engineering, she founded an innovative technology start-up company even before she graduated.

Back in 2010, the LMH website team needed a new member who had the potential to evolve into the school’s next webmaster. In discussing who to recruit, the name of **Morgan Steffy ’12** emerged — a novel idea because, to date, only male students had served on the website team or even expressed interest in it. Steffy had impressed her classmate, then-current webmaster **Brent Dimmig ’11**, with her abilities in mathematics and science, so he invited her to join the team and she accepted the challenge. The following year, she succeeded him as webmaster.

“Morgan was an ideal webmaster,” recalled Gary Hiller, the website team advisor. “She was technically competent, but also had a good esthetic sense of how to make web pages that were attractive as well as functional. She did an excellent job of managing the website team and in communicating in a professional manner.”

“I’m really thankful for the opportunity of working as webmaster at LMH,” Steffy said. “It gave me a lot more responsibility than I would have had at other schools. During my time at Geneva College, I also worked on the website, but with significantly less freedom and didn’t get to learn as much.”

Steffy won first place for web page design at the 2012 Pennsylvania High School Computer Fair and continued to do freelance web design as she majored in computer science at the University of Memphis. Steffy said, “My science

classes were by far my favorite classes at LMH. I was going to go into chemical engineering until I realized how much I liked software engineering.”

While studying software engineering, she founded an innovative technology start-up company even before she graduated.

Steffy first created a fashion app called Pickle that helped people decide what to wear. “You upload pictures of different fashion items you’re comparing, and within two minutes real people give you real feedback on what looks best on you,” said Steffy.

Pickle has now evolved into a fun app for selfies and photo sharing. Users upload photos to categories such as “best dog selfie,” “messiest car” or “most disheveled morning face,” and other users vote for the winner.

One blog called Pickle “the most exciting technological innovation since Facebook replaced Myspace.” As CTO and co-founder, Steffy built the majority of the native iOS app and directed the team for Android and web development. She sold the company in 2015.

Along with being a “techie,” Steffy is also an entrepreneur. As one of only six students selected to be Entrepreneurship Fellows at the University of Memphis Crews Center for Entrepreneurship, she secured \$135,000 in initial funding for Pickle, and she and co-founder Evan Katz recently won \$1,000 in the G60 (Gone in 60 Seconds) Elevator Pitch competition in Jonesboro, Ark., in which contestants had 60 seconds to



pitch their product or service to an audience who judged the business concept as if they were considering it for a potential investment.

“The AP classes I took prepared me well for college and allowed me to skip a lot of courses so I could focus more on computer science classes,” Steffy related.

“I love all aspects of software engineering, but to me, the best part is creating new things from nothing,” Steffy said. “There’s nothing that fascinates me more than working with a team to create incredible products and challenge myself daily to learn new things and find creative solutions. As a woman in tech, I’m also passionate about inspiring a new generation of female engineers.”

“The AP classes I took prepared me well for college and allowed me to skip a lot of courses so I could focus more on computer science classes.”



SUZANNE YOCOM HARTLEY '08

Suzanne Yocom Hartley '08 went to Millersville University for both biology and geography. She was an intern at Cornell's New York Agricultural Experimental Research Station researching an invasive insect and a research technician at the University of Alaska Fairbanks researching juvenile salmon diets. She is currently living in Durham, North Carolina, where she is pursuing certification through the state's Department of Environmental and Natural Resources to teach about

environmental issues. Her goals include pursuing a graduate degree in entomology.

"I found myself using information learned in my LMH biology class throughout college," said Hartley. "Additionally, LMH's FFA program was a great opportunity to explore environmental and agricultural topics that other science courses tended to overlook. Agriculture still remains a large part of my research and career interests."



BRENT DIMMIG '11

Brent Dimmig '11 recently graduated from the Rochester Institute of Technology with a B.S. in Computer Engineering. As a computer engineer, he integrates the fields of computer science (software) and electrical engineering (hardware). His professional areas of interest are in embedded systems, machine learning and robotics. He currently works as an engineer for Zonoff, Inc. a startup company that develops devices to enable connected home technology. He is engaged to

be married to **Olivia Mast '12**, a recent graduate of the nursing program at Eastern Mennonite University. The wedding is planned for April 2016. His brother, **Brandon Dimmig '09**, is a mechanical engineer for Newport News Shipbuilding.

AUSTIN MAST '90

Austin R. Mast '90 is a research botanist. He obtained a Ph.D. from the Department of Botany at the University of Wisconsin-Madison in 2000. He is currently an associate professor within the Department of Biological Science at Florida State University (FSU) and has been director of FSU's Robert K. Godfrey Herbarium since August 2003. Mast said, "In the past few years I've been really enthusiastic about the opportunity for citizen science to simultaneously advance both science and STEM literacy. A good part of my research has been focused on that topic, but I still enjoy working with students and herbarium staff on the biodiversity of Florida, the Gulf of Mexico and beyond." Mast spoke on the topic of citizen science in a congressional briefing at the U.S. Capitol in December 2015 and manages the citizen science portfolio for the NSF's National Resource for Advancing Digitization of Biodiversity Collections.



JOHN LEAMAN '91

"I was fortunate to have science/math teachers in the classroom and coaches on the field that set a high bar and pushed for excellence. I've built on those foundational experiences throughout my later schooling and career," said John Leaman '91.

One of his most memorable high school science experiences was when teacher **Charles Longenecker '50** announced, "I am a virus and I am going to infect someone!" before roaming around the room with a wild look on his face and leaping onto the flat wooden desk of a student victim. "Mr. Longenecker certainly knew how to make science interesting," Leaman reflected.

After graduating from LM, Leaman went on to major in biology at Elizabethtown College, where he was valedictorian of his class. Based on his outstanding scholarly achievements, character, commitment to others and to the common good, and leadership potential, he was one of only 32 American students to receive a full scholarship to study at the University of Oxford. Through his Rhodes Scholarship*, he studied in England for two years, receiving a B.A. in psychology, philosophy and physiology.

His impressive undergraduate resume earned him a full scholarship to the University of Pennsylvania School of Medicine, where he obtained a Doctor of Medicine degree.

While studying to be a physician, he spent an internship in pharmaceutical research and asked himself the question, "How can I best save lives?" He concluded that inventing cures for diseases could potentially save millions of lives, far more than he could ever save or improve as a surgeon.

He was particularly interested in genetic disorders. "Can we take a gene that will kill a child after five years and replace that bad gene with another one?" he asked.

Leaman most recently worked for Medgenics, a company focused on research and development of genomic

medicine and gene therapies to improve the lives of children and adults with rare and difficult-to-treat diseases.

While doing research earlier in his career, he decided to invest his money in bio-medical companies that were doing good research. His personal scientific expertise uniquely positioned him to determine which companies were viable.

As he gained experience in investments, he found himself in a position where he could evaluate bio-medical investment opportunities and explain them to other investors, thus generating venture capital for good research that he believed would be most beneficial to all concerned.

Along with his other degrees, Leaman holds an MBA in Healthcare Management from the Wharton School of Business.

Leaman said that no one should be surprised that a person with his scientific background would go into the financial end of things. "The majority of physics majors at Penn and other rigorous schools end up working on Wall Street," he cited. "If you have a good basis in math and science, you can expand into many different disciplines."

Leaman currently lives in Lancaster with his wife **Elizabeth Barley '95** and sons, Pierce and William, and they attend Westminster Presbyterian Church. He currently serves on the Elizabethtown College Board of Trustees, and his past volunteer efforts have included the New Jersey Rhodes Scholarship Selection Committee, finance committee for the Beth Shalom Shelter, financial oversight committee for the Route 222 Corridor Project, and the Lancaster Historical Society Board of Trustees.



"If you have a good basis in math and science, you can expand into many different disciplines."

- The Wharton School, University of Pennsylvania, MBA, Healthcare Management
- University of Pennsylvania School of Medicine, M.D.
- University of Oxford, Ariel College, Bachelor of Arts, Psychology, Philosophy and Physiology
- Elizabethtown College, B.S., Biology

*Each year 32 young Americans are selected as Rhodes Scholars based on outstanding scholarly achievements, character, and commitment to others and to the common good, and for their potential for leadership in their careers. The Rhodes Trust provides full financial support for Rhodes Scholars to pursue a degree at the University of Oxford in the United Kingdom.

More Alumni in MATH & SCIENCE



'06

Cassandra Beam '06, a software engineer, is an "innovation developer" with Vanguard. She obtained a B.S. in Mathematics and Computer Science from Roberts Wesleyan College and will soon complete a master's in software engineering from Penn State. She is pictured demonstrating some wearable technology at a recent work event.

"I feel very grateful for my time at LMS," Beam said. "My teachers truly cared about me and encouraged me. I am especially thankful for Mr. Hershey's AP Physics class and Mr. Reinford's AP Calculus class. They helped to confirm that I wanted to pursue a career in science and also prepared me for college-level course work."



'99

David Brubaker '99 (pictured with son, Micah) obtained a B.S. in Computer Science and Mathematics from Eastern Mennonite University and a Master of Computer Information Technology from the University of Pennsylvania. While webmaster for the Penn's School of Engineering, he was instrumental in developing LM's website and continues to provide technical expertise on a volunteer basis. He is currently an IT director for the external affairs office at Penn's Wharton School.

Lee A. Good '88, mentioned on page 13 as an inspiring teacher, obtained a B.A. in Biology from Eastern Mennonite University and became a science teacher at New Covenant Mennonite School, LMH and now Eastern Mennonite School.

Tonya Sharp King '88, Professor of Biostatistics at Pennsylvania State University College of Medicine, majored in mathematics at Messiah College after being inspired in mathematics by Aaron Martin at LMH. She went on to receive her M.S. and Ph.D. in Biostatistics from the University of North Carolina. She reports, "At Penn State College of Medicine, most of my time is spent designing, monitoring and analyzing clinical trials researching the management and treatment of asthma."

Brett Forshey '93 holds a biology degree from Gettysburg College and a doctorate from the Department of Microbiology and Immunology at Vanderbilt University. At one point in his career he actively conducted field epidemiology studies on diseases transmitted by mosquitos. He is now working for the Department of Defense on a global emerging disease surveillance program.

Jeff Lehman '93 went first to Millersville University, then obtained a Ph.D in Statistics from Ohio State University. After three years as a research scientist, he

applied his statistical expertise to marketing analysis for JP Morgan Chase and is currently senior vice president for strategy and analytics for Citizens Financial.

J. Clinton Simmons '03 earned a degree in mathematics and religion, followed by a Master of Education in Mathematics, from St. John's University. He taught secondary mathematics for seven years in New York City, Ecuador and Pennsylvania.

Stephen J. Edwards '03 is working toward his Ph.D. in Aerospace Engineering from the Georgia Institute of Technology. He has a B.S. in Engineering Physics with minors in Mathematics and Human Factors from Embry-Riddle Aeronautical University.

Trevor Bare '03 is a consulting actuary with Conrad Siegel Actuaries and a Fellow of the Society of Actuaries, the profession's highest distinction. He holds a B.S. in Mathematics and Economics from Eastern Mennonite University.

Andrew Kreider '09 holds a B.S. in Mechanical Engineering and an M.S. in Environmental Engineering from Pennsylvania State University. His interest in water and wastewater treatment began when he volunteered with Engineers Without Borders, and he continues to work in this field with Gannett Fleming, a civil engineering company based in Camp Hill, PA.



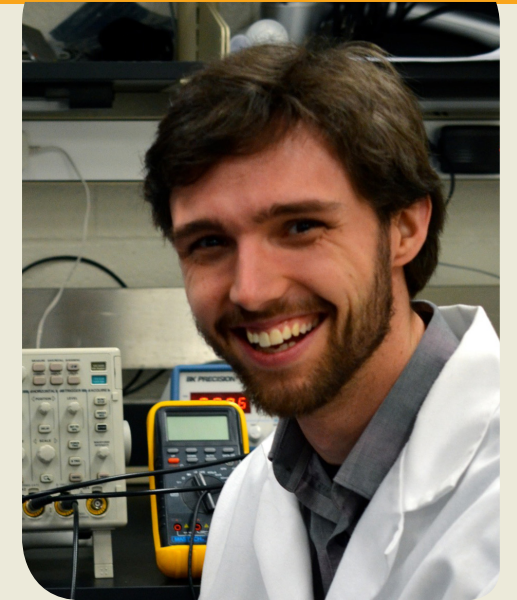
'02

Justine Beiler Weber '02 is a Ph.D. student and instructor at SUNY ESF (State University of New York College of Environmental Science and Forestry) where her research focuses on ecology and conservation of plant communities in wetlands. After graduating from LMH, she received a B.S. in Biology and Environmental Education from Messiah College and returned to LMH to teach science from 2006 to 2010. She then worked as a naturalist at Millbrook Marsh Nature Center and as a research technician at Penn State before pursuing grad studies in ecology.

Weber says, "I had a fabulous experience at LMH as a student and then later as a teacher. It's a wonderfully uplifting community, and I felt supported in every way. I had the very good fortune of taking biology while **Charles Longenecker '50** was teaching at LMH, and it was his passionate teaching style that really piqued my interest in life sciences. I took as many science classes as I could fit into my schedule, and found the entire science faculty to be engaging and full of knowledge. Coming back to teach with some of them was inspiring; it continued to shape and encourage my love of science and teaching."

'66

Richard L. Bowman '66 received his Ph.D. degree from Oregon State University in biophysics and biochemistry in 1979. He is now the A. Leroy and Wanda H. Baker Professor of Science, Emeritus, at Bridgewater College after retiring from teaching physics at Bridgewater for 26 years. His areas of research and professional development include molecular structure, circular dichroism spectroscopy, the use of technology in promoting effective teaching, and the interface of science and Christian faith. In addition to his academic career, Bowman is an ordained minister in Virginia Mennonite Conference. For the past three academic years, beginning in January 2014, he has been teaching chemistry and physics at Lezha Academic Center in Albania while also resourcing the local church leadership.

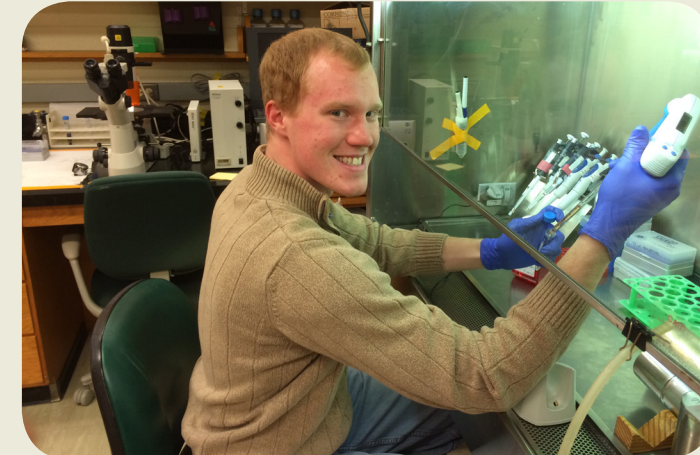


'02

Matthew Bauman '02 attended Goshen College, where he earned degrees in mathematics and physics in 2006. At Northwestern University (2006-2010), he worked on such things as restoration of grip following paralysis through brain-controlled stimulation of muscles. He is currently a bioengineering graduate student at the University of Pittsburgh where he is "developing neural interfaces at the spinal cord for control of prosthetic limbs." Bauman said, "I greatly enjoyed my time at LMH — and I most value the lifelong friendships that I formed there."

'11

Matthew Lauver '11 just began a five-year Ph.D. program in biomedical sciences at Penn State Hershey School of Medicine, after graduating summa cum laude with departmental honors from Messiah College in May 2015.





Alumni Notes



PHOTO: Sideline Photos, Philadelphia Union

LM standout and recent Georgetown University graduate **Keegan Rosenberry '12** was taken in the first round of the Major League Soccer SuperDraft. Rosenberry was the third player selected in the draft and will play for the Philadelphia Union professional soccer team.



PHOTO: Provided by Scott Eyre | Eastern Mennonite University

Jess Rheinheimer '12, a preseason First Team All-American, has been named the Academic All-American® of the Year by the College Sports Information Directors of America (CoSIDA). Rheinheimer was on the five-member First Team as a junior before being named the top scholar in all of Division III women's basketball this year. The Eastern Mennonite College senior was named a repeat selection as ODAC Player of the Year as well as ODAC Scholar-Athlete. After winning both awards last year, Rheinheimer becomes the first woman in ODAC history to be named both the Player of the Year and Scholar-Athlete twice. She is also a finalist for the WBCA Good Works Team and is again in the running for the Jostens Trophy, which honored Rheinheimer as the top NCAA Division III women's basketball student-athlete in the country last season.



PHOTO: Provided by Cairn University

Julian Collazo '15 was named CSAC (Colonial States Athletic Conference) Rookie-of-the-Year in men's basketball. Collazo is a freshman at Cairn University, pursuing a degree in business administration.

[CLASS NOTES]

David W. Shenk '54 was honored with the 2016 Christianity Today Book Award in the mission/global church category for his book *Christian. Muslim. Friend*. The book is subtitled "Twelve Paths to Real Relationship" and is his fourth on the topic of Christian-Muslim friendship.

David Witmer '75 recently published his second book, *Retirement Radicals*. The book is a handbook to help the boomer generation to be post-career world-changers.

Valerie Weaver-Zercher '90 was named recipient of the 2015 Dale W. Brown Book Award for Outstanding Scholarship in Anabaptist and Pietist Studies.

Twila Fisher '91 became the first manager of community and economic development at The Hill School located in Pottstown, PA.

Josh Keagy '06 earned the top prize for his fun-filled video in the No Hate November contest sponsored by Christian rapper, Bizzle.

Jacob Kanagy '07 received his master's degree from Eastern Mennonite University in Peace Studies and Conflict Resolution and is a conflict resolution consultant for faith-based organizations.

Katelyn Vanderhoff '08 was named North Eastern Athletic Conference (NEAC) Coach of the Year in her first year as head coach at Lancaster Bible College. Vanderhoff had an excellent debut season as she guided the Chargers to the South Division regular season title with a 19-1 NEAC record while going 22-3 overall.

[MARRIAGES]

Angela Shreve HC'14 and Justin Lilley, October 30, 2015

Herbert Weaver '48 and Joyce King, December 19, 2015

[BIRTHS]

Scott and **Heidi (Baker) Charles '07**, second child, a son, Logan John, December 27, 2015

Chris Lehman '93 and Bonnie, second child, a daughter, Anna Madeleine, January 7, 2015

[DEATHS]

Earl G. Denlinger '48, Hartville, OH, January 18, 2016

Elta M. Lauver '53, Lewistown, nurse, November 18, 2015

Daniel E. Ressler '81, Midhurst, Ontario, Canada, February 25, 2014

Joyce B. (Stauffer) Enck '76, Lititz, nurse, June 21, 2015



It's Auction Season!

All five of our campuses hold annual benefit auctions to help keep tuition affordable. Along with raising needed funds, the events help to build a spirit of school community.

The **New Danville Country Auction** will be held Friday, April 1, starting at 4 p.m. when food stands open. The auction begins at 4:30, featuring gift certificates, household items, tools, toys and collectibles. Quilts and wall-hangings will be sold at 8 p.m. More info at newdanvilleauction.weebly.com.

The **Hershey Campus Auction and Kauffman BBQ** will be held Saturday, April 30 beginning at 8:30 a.m. with breakfast and auction preview. The live auction starts at 9:30 a.m., featuring a silent auction, gift certificates, plants, household items, Hershey Trolley Charted Tour, Adventure Sports outdoor Laser Tag party and many other items. More info at hersheychristian.org/auction.

At the **Locust Grove Benefit Auction** on April 29, food stands, kids' games and the live auction begin at 4 p.m. The auction will feature quilts, travel and dining experiences, sports and show tickets, and lawn and garden tools.

The **Kraybill Benefit Auction and Pig Roast** on May 6 begins at 4 p.m., selling unique experiences, dining opportunities, a variety of plants, patio furniture, art and class projects. A plant auction will run simultaneously from 7-7:45 p.m. The famous all-you-can-eat pig roast runs from 4-7 p.m. More info at kraybillauction.com.



Benefit Auctions

New Danville April 1

Locust Grove April 29

Locust Grove Chicken Barbecue will be May 20

Hershey April 30

Kraybill May 6

Next year's Fall Festival and Homecoming will be October 7 & 8, 2016.

Golf Tournament Set for May 11

This year's tournament will be held on Wednesday, May 11, 2016, at Conestoga Country Club, 1950 Stone Mill Road, Lancaster. Our guest pro will be LM alumnus **David Denlinger '09**.

The event will include morning and afternoon four-person scrambles with a catered meal, provided by Hess's Barbecue Catering, and prizes after each round.

The morning shotgun begins at 7:30 a.m. and the afternoon round will begin at 1 p.m.

In addition to the meal, the \$95 golfer fee includes greens fees, cart and either breakfast before the morning

round or a snack before the afternoon round. Golfers also have the opportunity to purchase mulligans.

Team, individual skill and door prizes will be awarded after each round. Awards will be given to top men, senior men, women and mixed foursomes.

Anyone interested in participating in the tournament is encouraged to register as soon as possible. The afternoon round is limited to 124 golfers. The registration deadline is April 18. To register, contact Keri Bloom at (717) 299-0436, ext. 701, or email bloomkg@lanastermennonite.org.



David Denlinger '09 started playing professionally on WFGT and Swing-Thought-Tours. A four-year starter on the LMH golf team, he won the 2008 PIAA state golf championship in his senior year, earning a golf scholarship to Charleston Southern University. At CSU he had two US Amateur appearances and earned a bid to the 2012 NCAA regionals as an individual. He has won back-to-back Lanco Amateurs and back-to-back Lanco match play tournaments, being named 2015 Lanco Player of the Year for the second time.



School News

Experiential Learning at LMMS

Lancaster Mennonite Middle School students in seventh and eighth grade raised more than \$850 for the Lancaster Refugee Center and Community School by selling Stroopies, traditional Dutch stroopwafels. The students partnered with the Stroopie Company of Lancaster, owned by LMS alumni **Jon '93** and **Jennie '95 Groff**, who recently won the top prize of The Great Social Enterprise Pitch contest for employing refugees to make the waffle cookies.

The LMMS students spent the past quarter studying refugees in their current and historical contexts. The idea to raise money to help refugees arose from their compassion for refugees and their desire to take



Students from Lancaster Mennonite Middle School present a check to the Lancaster Refugee Center and Community School.

concrete action to make a difference locally.

LMMS students engage in service learning activities as a part of a new problem/project-based learning initiative in the middle school. This initiative engages students in inquiry-based experiential learning with an emphasis placed on the necessary skills of the 21st century: critical thinking, creativity, communication and collaboration. As a faith-based

learning community, the school also incorporates an additional "C" for compassion.

As a part of problem/project based learning, service learning, or "learning by doing," allows students to experience the positive impact that their learning and collaborative efforts can have on the local community and broader world.

SCHOLASTIC WRITING AWARDS

Numerous LM high school students received recognition at the local level of the National Scholastic Writing Awards competition. The Gold Keys winners advance to national competition in New York.

The Scholastic Art & Writing Awards is the nation's longest-running, most prestigious recognition initiative for creative teens and the largest source of scholarships for young artists and writers.

The Awards were presented by The Alliance for Young Artists & Writers, whose mission is to identify students with exceptional artistic and literary talent and present their remarkable work to the world.

The students' submissions were judged by leaders in the visual and literary arts. Jurors looked for works that exemplify the Awards' core values: originality, technical skill and the emergence of personal voice or vision.

Hershey Campus

Students of Curry Snell

- **Andrew Furjanic '16, Gold Key,** Personal Memoir/Essay
- **Brig Wilson, '16, Gold Key,** Poetry
- Alex Beck '19, Honorable Mention, Humor
- Hayley Moyer '18, Honorable Mention, Poetry
- Steven Carlisle, '18, Honorable Mention, Poetry
- Sarah Hennigh '16, Honorable Mention, Personal Memoir/Essay

Lancaster Campus

Students of Jane Moyer

- **Julian Brubaker '16, Gold Key,** Critical Essay
 - Katherine McCoy '16, Silver Key, Critical Essay
 - Halsey Thompson '16, Silver Key, Personal Memoir/Essay
 - Erin Kauffman '16, Honorable Mention, Critical Essay
- Students of Kathy Engle
- Emma Eitzen '19, Honorable Mention, Narrative

AP Success Exceeds PA and National Averages

LMH's academic excellence is evidenced by significantly higher Advanced Placement test success of LMH students versus PA and national averages, according to College Board data. The five-year trend clearly reflects the growing strength of LMH's academic program that drives increasing AP success while PA and national averages remained unchanged over the years.

LMH is exceptionally strong in AP Calculus AB for which our students achieved a mean score of 4.57 in 2014 compared to PA and national averages of 3.24 and 2.94, respectively. For other AP subjects such as Biology, Environmental Science, Statistics, US History and World History, LMH students outperformed PA and National averages by significant margins.

College Board defines success on the AP test as a score of 3.0 or higher. Based on research findings, AP success is a good predictor of college success and college graduation.



Students Win Art and Writing Awards

LCYA AND SCHOLASTIC ART AWARDS

Several LM students recently won awards in the National Scholastic Art competition and the Lancaster County Young Artists competition. The winners of Scholastic Gold Keys advance to national competition in New York. Kudos also go to the art teachers who worked to have students enter this contest and win.

Students of Wendy Weinstein (Kraybill Campus)

- **Damian Allman '20, Scholastics Gold Key,** Collage
- Katie Funk '20, Coreen/Black Dish
- Nathan Gerhart '21, LCYA Gold and Junior Craftsman Award, Stamped Vessel

- Kyrianna Frantz '20, LCYA Silver, Yellow Black Dish
 - Maddie Sehenuk '21, LYCA Silver, Leaf Bowl
 - Avery Ford '20, LCYA Honorable Mention, Glass Triptych
 - Isaac Kraenbring '21, LCYA Honorable Mention, Self Portrait
- Students of Kathy Ciaccia (LMH)

- **Shawn Leiby '18, Scholastics Gold Key,** Stone Sculpture
- Jiaxin Wu '17, Scholastics Silver Key, Stone Sculpture
- Chuyi Chen '18, LCYA Silver, sculpture
- Hannah Kraenbring '19, LCYA Silver, ceramic vessel

- Jiaxin Wu '17, LYCA Honorable mention, Stone Sculpture
 - Katherine Gish '18, LCYA Honorable Mention, Clay Sculpture
 - Cheuk Lam Law '16, Scholastics Honorable Mention, Stone Sculpture
 - Cheuk Lam Law '16, Scholastics Honorable Mention, Drawing
- Students of Paul Brubaker (LMH)
- Hannah Kraenbring '19, Scholastics Honorable Mention, Photography
 - John Deslippe '18 LYCA Honorable Mention, Photography
 - Hannah Kraenbring '19, LYCA Honorable Mention, Photography

LANCASTER MENNONITE HIGH SCHOOL

JULIUS CAESAR

By WILLIAM SHAKESPEARE

APRIL 28-30, 2016 • 7 p.m.

Call 299-0436, ext. 340,

or email boxoffice@lancastermennonite.org.

Student of Beth Weaver-Kreider

- Ashlee Evans '19, Silver Key, Short Story

Student of Alice Lauver

- Avonlea Stringer '19, Honorable Mention, Short Story



Ben Stutzman has been named a National Merit Scholarship finalist. Earlier this year, Rachel Steckbeck, Erin Kauffman and Andrew Furjanic were named Commended Students.



School News

Search Committee Formed

In response to Lancaster Mennonite School Superintendent J. Richard Thomas' announcement that he will retire in December, 2016, after 33 1/2 years of service, a search committee for the school's next superintendent has been finalized. The committee had its first meeting March 2.

Andrew Dula '87, a member of the LMS Executive Board and a parent of current LMS students, will chair the search committee composed of members of the Executive and Quarterly boards, representatives of area church conferences and representatives of various constituent groups that support the mission of Lancaster Mennonite School. The members are:

Christine Baer '10, alumna; Kathy Rutt Beiler '85, Lancaster Campus Site Council and LMS Quarterly Board; Jon



SEARCH COMMITTEE: (Seated L-R) Elaine Moyer, Kathy Rutt Beiler, Christine Baer, Dan Hess; (Standing L-R) Alejandro Ulloa, Jon Carlson, Andrew Dula, Cindy Mast. Not pictured: Chad Hurst, Nelson Okanya

Carlson, Locust Grove Campus Site Council, parent of LM students, spouse of LM teacher; Dan Hess '66, former LMS board member and parent of alumni; Chad Hurst '91, LMS Executive Board member and parent of LM students; Cindy Mast, LMS Executive Board, spouse of an alumnus and parent of alumni; Elaine Moyer, Senior Director of Mennonite Education Agency and consultant; Nelson Okanya, LMS Quarterly Board and parent of LM students; and Alejandro Ulloa, LMS faculty.

Diane Umble, Ph.D., chair of the LMS Executive Board, is an ex officio member.

The committee is developing plans to garner input from stakeholders and constituents during the month of March. Based on this feedback, the committee will then proceed to develop a position profile that defines what the school will be seeking in a new superintendent.

The board and search committee request the prayers of the school community during this time of discernment and transition.



Cool Café Campaign

A group of Hershey Campus parents launched the Cool Café Campaign to complete the cafeteria by selling virtual cafeteria trays. Persons buying trays had the opportunity to put a message on the image of a tray on the school's website and on a paper tray in the gymnasium so students could read them and watch the progress of funding. Donors have a selection of 200 trays available to purchase. The novel launch of the Cool Café Campaign caught the attention of a generous donor who offered to make a \$150,000 matching gift.

Yoder Named Hershey Campus Principal Remains as LM Assistant Superintendent

Miles E. Yoder has been appointed principal of Lancaster Mennonite School's Hershey Campus where he has served as acting administrator since the retirement of headmaster Albert Roth at the end of the 2014-15 school year. Yoder will continue in his role of LMS assistant superintendent while serving as the Hershey Campus principal.

Yoder is excited to add Chinese to the curriculum, which will be taught in a virtual classroom setting with the Lancaster Campus next year. He has also added a number of online classes for 2016-17 and a new Bible elective course. In addition, high school chapel

services will be increased from one day to four days per week.

Yoder is currently coordinating efforts to complete the cafeteria, which Hershey Campus students listed as their top priority for school improvement. A cafeteria was planned as part of the Hershey Christian School building constructed in 2007 but was not completed at that time. Now, in its first full year as an LM campus, the Hershey cafeteria dream has been revived and energized by the promise of a matching \$150,000 gift.



SPORTS Spotlight



PHOTO: Kim Winey Photography

Winey Repeats as State Coach of the Year

LMH Head Soccer Coach Fred Winey '90 has been named the PA Soccer Coach Association's AA Boys State Coach of the Year for the second year in a row.

Considering Winey's record since he took over as the Blazer's head soccer coach in 2007, the back-to-back awards are not surprising.

In the nine seasons since he took over at Mennonite, the Blazers have won an L-L section title eight times, a pair of L-L crowns (2012, 2013) and three District Three Class AA titles (2010, 2011 and 2015). They also advanced to the PIAA Class AA semifinals four times (2010, 2011, 2012, 2014), reached the Class AA state championship game three times (2011, 2013, 2014) and won the 2011 Class AA state title. This year, he took an inexperienced and injury-plagued team to the state quarterfinals.

Considering he works at a school where faith is the core, it's also no surprise that his coaching approach is shaped by his Christian values.

"The over-arching goal that I have is for the team to play in a manner that gives glory to God," Winey wrote in a 2015 email. "A key Bible verse that has shaped me and my coaching style is, 'And whatever you do, whether in word or in deed, do it all in the name of the Lord Jesus, giving thanks to God the Father through him.'"

I believe the verse points toward striving for excellence in all that we do and so that is the standard at which the team strives [to meet] in practices, in games, in our relationships with each other ... it encompasses everything. Applying that to the game itself, the goal is to be technically proficient, tactically aware and strong emotionally and mentally so that we can give our best possible performance."

Winey's approach was built on his own experience playing under, or coaching with, other highly-successful coaches in high school and college. He credits his high school coach and predecessor, Vernon Rice, for building the foundation of successful boys and girls soccer programs at LMH. He credits former Messiah College coach, Layton Shoemaker, for whom he played soccer. And he credits former Messiah coach, Dave Brandt, for whom he worked as an assistant.

"Having been a part of two soccer programs with such rich histories has taught me countless lessons about soccer and about life," Winey said. Now he is passing on those lessons to scores of other young people.



On February 3, four LMH student-athletes signed letters of intent to play Division I or II sports (L-R): Kyle Richards '16, soccer, California University of PA; Kaden Kieffer '16, track, Belmont University (Division I); Madison Peck '16, field hockey, Slippery Rock University; Kate Phillips, soccer, Millersville University.

Other LMH students to play Division III: Ezra Prescott '16, lacrosse, Messiah College; Naomi Bronkema '16, track & field and basketball, Swarthmore College; Chase Ross '16, soccer, Hood College; Jeremy Newswanger '16, soccer and baseball, Houghton College.



The Blazer Nation honored the 1991 boys L-L League section championship basketball team at halftime on January 8. This team was the first of many LMH basketball teams to win section championships and began a long legacy of athletic excellence.



The Blazer Nation celebrated the 1991 girls championship basketball team on January 30. The team held a 14-1 league record, 24-5 overall.

Winter sports all-stars were not yet named prior to this issue going to press and will appear in the Spring/Summer issue.



Thomas Announces Retirement

LM Superintendent Slated to Conclude More Than 33 Years of Service in December

Lancaster Mennonite School Superintendent J. Richard Thomas has announced to the school community that he will retire in December, 2016, after 33 1/2 years of service, concluding his tenure as the school's seventh superintendent.

"I was privileged to build on our founders' vision that Lancaster Mennonite would be a school of educational excellence centered in Jesus Christ," Thomas said. "I am grateful for a board, staff and other stakeholders that trusted me, empowered me, forgave my mistakes and held me accountable to our vision to serve students."

During Thomas' tenure, Lancaster Mennonite High School on Lincoln Highway was transformed into Lancaster Mennonite School (LMS), embracing five campuses that serve 1,500 students from prekindergarten through grade 12. In collaboration with the school's Quarterly and Executive Boards, Thomas and his colleagues demonstrated courage, vision and skill in orienting five campus cultures around a shared vision, while recognizing the unique strengths of each campus community.

In the past 33 years, LMS has also reached a far broader community locally and globally. Thomas reflected that, "LMS changed from being a school of, by and for Mennonites to being a school affiliated with the Mennonite Church for the sake of students in the community and the world that God loves." Students from all church backgrounds now come to LMS from five states and more than 20 countries.

"His focus on both serving the church and expanding the church through our understanding of educational institutions as being 'missional centers' is a vision that has and will serve us well as we move into the future," said Carlos Romero, executive director of Mennonite Education Agency. "His passion for social justice and for an inclusive church embodying the vision of Revelation 7:9 is something for which we are grateful."

Rooted in his experience as a classroom teacher, Thomas supported innovative pedagogies and curriculum development. Recent examples of this include the elementary Spanish Immersion program, the Pre-college Music Division for Gifted and Talented Students in cooperation with Millersville University, and LMMS Connect!, an experiential learning model used at Lancaster Mennonite Middle School.

As both an educator and a church leader, Thomas was committed to setting LMS apart through excellent academics combined with faith and values. Along with demonstrating quality education as measured through accreditation, Thomas sought to demonstrate the school's particular Anabaptist Christian values by seeking additional accrediting affirmation for the school's faith practices.

Thomas' church leadership also provided a forum for advocating for the role and value of Mennonite schools. He served as moderator of Atlantic Coast Conference of Mennonite Church USA and as moderator of Mennonite Church

USA from 2011-2013. He chaired the National Advisory Council for Mennonite World Conference Assembly at Harrisburg this past summer and also served as a member of the Mennonite World Conference General Council. A leader of MSEC (Mennonite Secondary Education Council) for many years through its transformation to MSC (Mennonite Schools Council), he continues to serve and support MSC initiatives. In addition to his church involvement, he currently serves on the board of United Way of Lancaster County.

"Thomas' years of service to Lancaster Mennonite School, Mennonite education and the broader Mennonite church have been a valuable gift," said Ervin Stutzman, executive director of Mennonite Church USA. "He is an inspirational servant leader, and I'm confident that many across Mennonite Church USA will benefit from his significant contributions far into the future."

Romero echoed Stutzman's sentiments, adding, "Thomas has been a servant leader, strategic thinker and visionary whose gifts have been a blessing to Lancaster Mennonite School, the broader church and to me personally."

Thomas was noted for stressing the concept of community and for cultivating a safe learning environment where students and teachers were treated with mutual respect. "It was a joy to know that the loving and accepting environment created by faculty and staff was the setting needed for the transformation of so many lives," Thomas said.

The Last WORD

A Message from the Superintendent

I respectfully submit my letter of retirement planned for December 31, 2016. It has been my privilege and honor to serve as Superintendent of Lancaster Mennonite School since July 1, 1983. It is humbling to consider the trust that faculty, staff, students, alumni, board members and LM friends placed in the school during these years. Being superintendent meant that I held the office in trust for the common good of the community and world served by Lancaster Mennonite School.

These have been rewarding years of growth for me personally and for the school. Together, we have worked to advance the mission and footprint of Lancaster Mennonite School from one campus of 440 students to five campuses and over 1,500 students in southcentral Pennsylvania.

Curricular changes during the years included the addition of advanced placement and dual credit classes, the development of numerous partnerships such as the pre-college music partnership with Millersville University, the offering of online classes, and the addition of Chinese to the curriculum. Spanish Immersion has been added at the elementary level, and there has been an increase in experiential learning at the elementary, middle and high school levels. I am grateful for strong faculty commitment that enabled these and many other curricular advances, as well as the passion faculty bring to creating a positive learning environment.

We built and renovated a number of facilities which was a source of satisfaction. However, the most satisfying part of my time at LMS has been the relationships that were formed with students, staff members, board members, the church and the broader community. It was a particular joy to observe holistic growth in both students and staff and to know the contributions that alumni are making in our community and world.

What we have achieved has been possible because of the collaboration of administrative colleagues, staff members, board members, the prayers and fiscal investments of many friends, and the work of volunteers. However, I am keenly aware that what we accomplish in Mennonite education is finally "not by

our own might or power but by the Spirit of the Lord."

I especially thank the staff, the superintendent's team and the administrative team that brought collective wisdom to our tasks, particularly long-standing members Miles Yoder and Marlin Groff, both serving since the 1980s. In addition, I was privileged to work with four outstanding board chairs: Jason Steffy, Earl Weaver, Connie Stauffer and currently Dr. Diane Umble.

In Ecclesiastes we read that there is a "season and time for every matter under heaven." I have been privileged to be involved in many seasons of planting, growing and harvesting at Lancaster Mennonite. This seems to be the time in the season of my personal journey to retire from the office of superintendent and enable the school to call a new leader who will lead to higher levels of excellence and character in the next season.

These have been years of excitement, growth, joy and satisfaction. It is a joy to tell the story of Lancaster Mennonite School, joining with God to provide educational excellence that transforms lives to be world changers. It is clear to me that our world is a better place because of Lancaster Mennonite School.

I leave with satisfaction of all that we have accomplished together, yet knowing that we have not reached our full potential. These are challenging days for private Christian schools. I have confidence in the current school leaders and the passion the faculty brings to continuous school improvement. As we enter our 75th year my prayer is that LM continues to prosper and provide an excellent education that invites students to Christlike love, peacemaking and service in a global society.

Shalom!

J. Richard Thomas



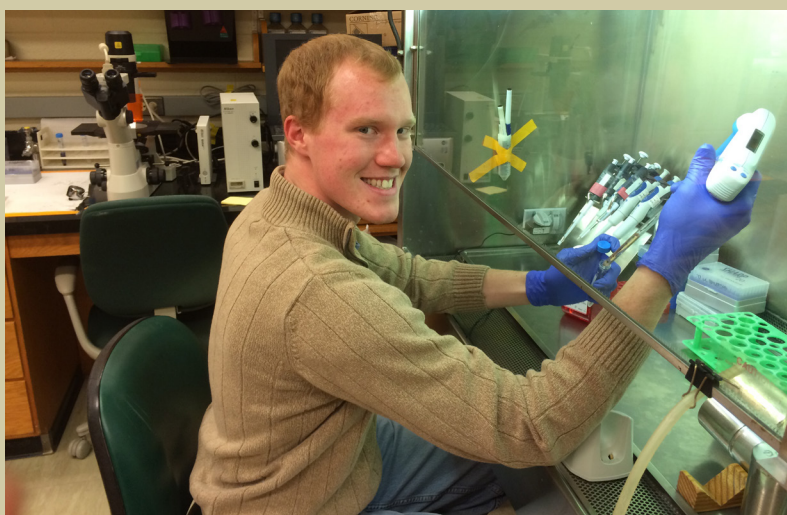
Parents: Each alumnus receives a personal copy of *Bridges*. If this is addressed to a son or daughter who has established a separate residence, please give us the new address. Contact Keri Bloom at bloomkg@lancastermennonite.org or call (717) 509-4459, ext. 701. Thank you.

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THE PATH TO SUCCESS!

Sunday, April 17
1-3 p.m.

From PreK through grade 12, LM is a place where students are inspired to be the best they can be through an excellent, well-rounded educational experience in a nurturing Christian environment.

Meet administrators and teachers and get a campus tour!

For more information about admissions at all campuses, please contact Christy Horst, director of admissions, at (717) 509-4459, ext. 312, or horstcl@lancastermennonite.org



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