A Conversation with Larry Mann

- He received his Ph.D. from UC Berkeley in 1983 in Chemical Engineering
- 2003 VP of Materials and Process Technology at KEMET Electronics
- 2005 Director of Process and Product Development at Cabot Supermetals
- 2012 Global R&D Director for Cabot Supermetals
- 2013 VP Research and Development/Technical Services at Global Advanced Metals
- Currently VP of Marketing and Sales at Shoei Electronics Materials, Inc.
### Questions for Speaker

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<tr>
<th>Question</th>
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<td>Your career path after graduate school?</td>
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<td>Do you work on downstream or upstream manufacturing/research?</td>
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<td>How much research is involved in your current and previous positions?</td>
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<td>How much time do you spend in the lab compared to at your desk/in meetings?</td>
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<td>Have you ever published your research findings while working for a tech company? Is this an option?</td>
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<td>Do you have an MBA? Is this advised for workers at your corporate level?</td>
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<td>What was the most exciting project you’ve worked on while working for a company?</td>
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<td>General advice for students who want to pursue industry after PhD</td>
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<td>Why did you pursue industry as opposed to academia or national lab?</td>
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<td>Do you feel like your job allows you to have a good work/(family) life balance?</td>
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<td>Have you personally worked on something that you have seen used in a commercialized product?</td>
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<td>What skills from your PhD were you able to transfer to your industrial work?</td>
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Meeting Outline

▶ Invited Snippet Speaker
▶ Summer Events Recap
  ▶ Candidacy Jeopardy
  ▶ MRS trip to Corning
  ▶ Arts Fest: Kids Day
  ▶ STEM Extension Weekend
  ▶ Higher Achievement
  ▶ Tussey WingFest

▶ Upcoming Activities
  ▶ Welcome back MatSE picnic
  ▶ Corning Tailgate
  ▶ Bake Sale
  ▶ Research Fair
  ▶ Fall Student Choice Seminar Speaker
  ▶ Art Trip to Philadelphia
  ▶ Upward Bound Program
  ▶ Professional Development Trip to Dow
  ▶ Calendar Fundraising
  ▶ Social Events: Bowling/Bar Crawl
PSU’s Materials Research Society

Our mission is to bring together students and faculty/professionals from various backgrounds in materials fields to further the exchange of knowledge and promote professional development.

Officers:

President:
Lyndsey Denis
lmd342@psu.edu

Vice President:
Preeya Kuray
pzk5176@psu.edu

Secretary:
Lourdes Bobbio
lvb5372@psu.edu

Treasurer:
Alex Wilson-Heid
alexwilsonheid@psu.edu

Social Chair:
Michelle Kuzma
mlk5344@psu.edu
Candidacy Jeopardy

Was Jeopardy and the Resource list helpful for candidacy preparation?

What could we have done better?

What more can MRS do to help with Candidacy next year?

i.e. presentation potluck, arranged practice presentations/topic discussions
Corning Day Trip

- Guided tour of R&D facilities
  i.e. seeing glass melting, characterization, etc
- Lunch & Q&A Professional Development Panel
- Guided tour of engineering/manufacturing technology facilities
- Corning Glass Museum
Arts Fest: Kids Day

Thank you to all our volunteers
Lyndsey, Michelle, Preeya, Nathan, Ethan, Lourdes, Gerry, Joseph, Alex, Grayson, Marissa, and Ama!
STEM Extension Weekend

Thank you to all our volunteers
Lyndsey, Gerry, Michelle

- Theme: Smart Materials
  - Piezoelectric energy harvester demo
  - Nitinol Shape Memory Alloys demo
  - Processing Metallic Glasses Demo

Higher Achievement Program

Thank you to all our volunteers
Joseph and Tom!
Tussey Wingfest
Winner: Wilderness Lodge
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Welcome Back MatSE Picnic

Thank you volunteers!

Set up:
3:45-4:30 PM
1. Lyndsey
2. Ama
3. Kayla

Tear down:
6:30-7:15 PM
1. Ethan
2. Michelle
Corning Tailgate

2nd Annual Corning-PSU Tailgate!
Before the PSU vs. Kent State Game
Location: Little Jeffrey’s Field
Date: Sat. Sept. 15th
Time: 8 AM - 5 PM (game starts at noon)

Networking, food and fun!

Meet Corning representatives from diverse technical fields, reconnect with alums, build new collaborations, or simply share good conversation and a cold beverage in a casual setting.
Bake Sale:

- Thursday, September 20th
- Time: 10am to 1pm
- The Corning Room (College Ave/Allen St)
- Please sign up by Friday, September 14!
- Money earned will be donated to Summer Academy Student Association (SASA)
  - SASA is made up of individuals who are Blind, Visually Impaired and DeafBlind.
  - Goal: Build and encourage future growth and success in various settings including: Post Summer Academy Transition, post-secondary transition, and employment transition.
  - Donation: Sponsors a small scholarship for a potential Summer Academy student in SASA.
MatSE Undergrad Research Fair

Thursday, Sept. 27th
Steidle Atrium
2-5 PM
Poster details in sign up link.

This research fair is for:

1. **Professors** - Display the diverse and exceptional research conducted by faculty and graduate students in the MatSE department
2. **Graduate Students** - Enable targeted recruitment of undergraduate students
3. **Undergraduate Students** - Provide easy access to research opportunities for undergraduate students
4. **The Department** - Encourage collaborations between the graduates and undergraduates within the MatSE department

Research Fair Sign Up Link!
Please comment with which research group you will represent.
Fall Seminar

- Pre-seminar Socials
- Lunch with Seminar Speakers
  - Sign up here!
  - One Available Spot:
- Student Choice Seminar Speaker
  - Dr. Winston Soboyejo
  - PhD Materials Science and Metallurgy at Churchill College, Cambridge University 1988

- 2012-2014 President and Provost of the African University of Science and Technology in Abuja, Nigeria
- 2014-2016 Member of the Scientific Advisory Board of the Secretary General of the United Nations
- Currently, Bernard M. Gordon Dean of Engineering and Professor of Engineering Leadership at Worcester Polytechnic Institute
Art Trip to Philadelphia

2-Day Weekend Trip (Sat.- Sun.)
Must be a MRS national member to attend!
Max. of 30 people.
Mid October

Philadelphia Museum of Art
$12 each for students

The Franklin Institute
$15 each for adult groups
Upward Bound Program

- **Date:** Saturday, November 1
- 100 high school students will come to PSU for a fun-filled day of science

- Students will rotate between 4-5 MATSE workshop sessions in Thomas Building/Life Science Building classrooms.

- 10:30 am ~ 12:30 pm: Session 1: Polymers & Glass?
- 12:30 pm ~ 1:15 pm: Break for lunch (provided by PSU)
- 1:30 pm ~ 3:30 pm: Session 2: Metals & Ceramics?
R&D Markets Include:

1. acrylic technology for paints
2. coatings and construction
3. advanced polymers and technologies for home
4. institutional and personal care solutions
5. ingredients and delivery systems for pharmaceuticals and food
6. insulation used in homes and buildings
7. products used to fabricate electronic chips
MRS/MatSE Calendars

MRS Fundraiser
- Selling 1 for $15 or 2 for $20
- 50 total calendars to sell
- August 2018 to July 2019 (Academic)
- Important department and university dates included
- Can start pre-orders today!

Other Treasurer Note:
- ~$3,000 dollars in our account to start the year pre Art money
Social Events

Back to School Bowling
Bar Crawl

Dates TBA!
Suggestions welcomed!
Thank You for Your Attention
Hope to See You at Our Upcoming Events!