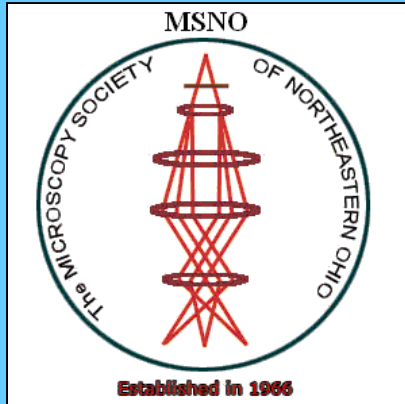




MSNO 50th Anniversary

A Brief History In Pictures





In the beginning....

- On October 25, 1966 the first meeting of the Electron Microscopy Society of Northeastern Ohio was held.

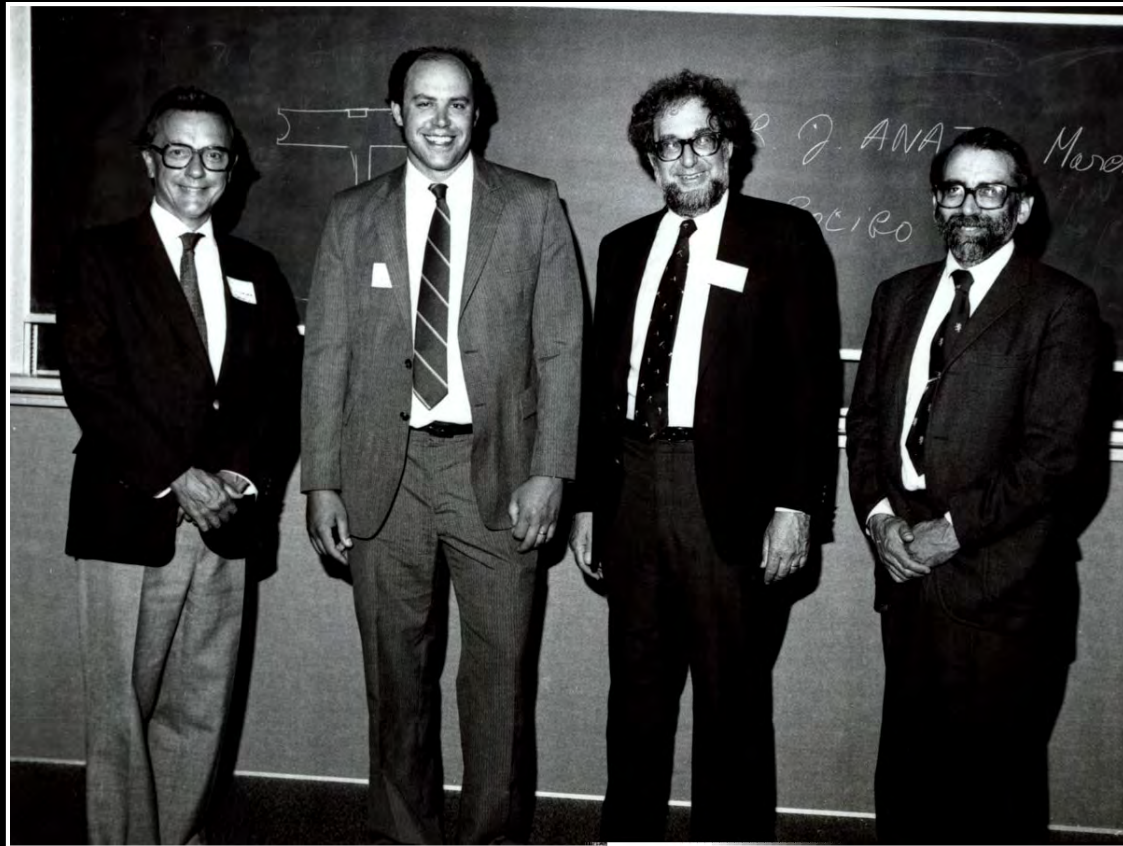
- 
- EMSNO temporarily disbanded in the early 1970' s and then reformed in 1977 with Jerome Kleinerman, MD as President, Hiroshi Mitsomoto, MD as secretary/treasurer, and trustees Lynne Johnstone, Helga Beegan and D. Gary Osborne with Betty Schumaker as an alternate.
 - EMSNO had 54 members.

- 
- By 1982 EMSNO had grown to 99 members from all over northeastern Ohio and included 19 corporate sponsors.
 - Dues were \$5 for regular, \$2 for students and \$20 for corporate sponsors.

And then there was Light!

(or at least photographs!)

1
9
8
6



Etienne
de Harven
Speaker

Mike
Powell
President

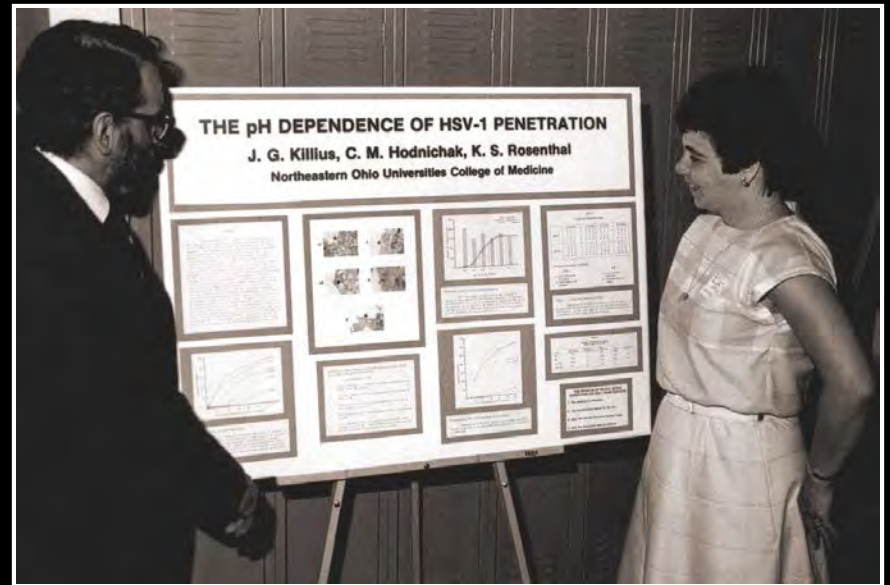
Mike
Hoffman
Speaker

Robert Duff
Past-President

1986 Poster competition



Atillio
Golemme
*Grad
Student*



Mike
Powell
President

Bob Duff
*Past-
President*

Jeanette
Killius
*Secretary
and Grad
Student*

1989



Jeanette Killius

President

Jean Paul Revel

*EMSA
President/Speaker*

Charlie
Lyman

Speaker

Gary Michal

President-elect

1989



Oscar Bradfute
Trustee

George Perry
Trustee

Tom Cole
Secretary

1991 *EMSNO 25th anniversary*



Bill Butler	Gary Michal	Jeanette Killius	Bob Duff	Uros Roesmann	George Perry	Pat Book (Dickerson)
<i>President</i>	<i>President</i>	<i>President</i>	<i>President</i>	<i>President</i>	<i>President</i>	<i>Secretary</i>
<i>1981-82</i>	<i>1989-90</i>	<i>1988-89</i>	<i>1985-86</i>	<i>1982-83</i>	<i>1990-91</i>	<i>1988-91</i>

1991



Meredith
Bond
Secretary

Bob Duff
*President-
elect*

Bill Butler
Treasurer

1992



Sharon
Meerbaum
Member

Dr. Robert Cardell
Speaker

1992

Chris Kliwer shows BP
microscope to Paul
Guisti

L-R

Oscar Bradfute,
Jacques Gilloteaux,
Jeanette Killius, Bill
Butler, and Bob Duff



M&M 1992 Boston, MA



L-R

Jim Isner, Meredith Bond, Jeanette Killius, Larry Staikoff, and Vicky Bryg at the Children's Museum

Joe Polak, Vicky Bryg, and Bob Duff enjoy the M&M 1992 meeting



1992



Jacques Gilloteaux
President

Pat Calarco
*EMSA President
and Speaker*

Jeanette Killius
Newsletter Editor

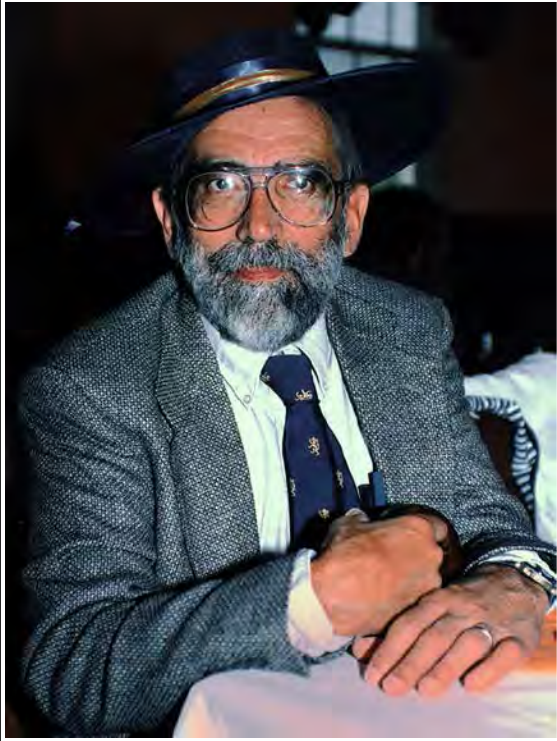
1993

Memorial meeting for Larry Staikoff - CWRU



L-R Meredith Bond, Terry Mitchell - *speaker*, Janet Staikoff, Rick Staikoff, Chris Kliever, Steve Hudson, and Jacques Gilloteaux - *president*

1993



Leave a hat lying around....



...and see what happens!

1993



New Officers - (L-R) Tom Cole - *President Elect*, Jacques Gilloteaux - *Past President*, Kathy Matras - *Secretary* and Chris Klierer - *President*

1993 M&M meeting Cincinnati



Oscar Bradfute
enjoys the Opening
reception

Ron Smith, Vicky Bryg and
Jim Isner at the Opening
reception



1993 GLEMA Indianapolis



Rob and Pat
Dickerson



Book raffle
winners Oscar
Bradfute,
Jeanette Killius,
Bob Duff and
Tom Cole



Bob Duff and
Vicky Bryg



1994

- In 1994 the Electron Microscopy Society of America changed its name to the Microscopy Society of America.
- In keeping with this trend, EMSNO dropped the “E” and simply became MSNO.

1996



Winter meeting with Gary Login, speaker

L-R (Back row) John Gabrovsek, Vicky Bryg, Joe Polak, Ellen Price and husband, Gary Login, unknown, Bill Butler, unknown, Jim McMahon. (Front row) unknown, Helga Beegan, Mary Petrelli, unknown, Bob Duff

1996



C. Barry Carter *speaker*
Bob Duff *Past President*
James Hillier *speaker*
Meredith Bond *President*



Newly elected officers:
Jim McMahon - *Trustee*
Vicky Bryg - *President-elect*
Bill Butler - *Treasurer*

M&M 96



Vicky and Jeanette staff the M&M 97 (Cleveland) booth



Mark Sanders looks on as Joe Polak, Meredith Bond and Bill Butler show off Cleveland memorabilia



Meredith pulls a winner as Bill holds the box

1997



March Meeting in Miniature presenters: (L-R) Jim McMahon, Kathy Doane, Betsy Larwa, Mark Smith, Pete Cibula, Meredith Bond, and Bill Butler

1997



Spring AFM Symposium:

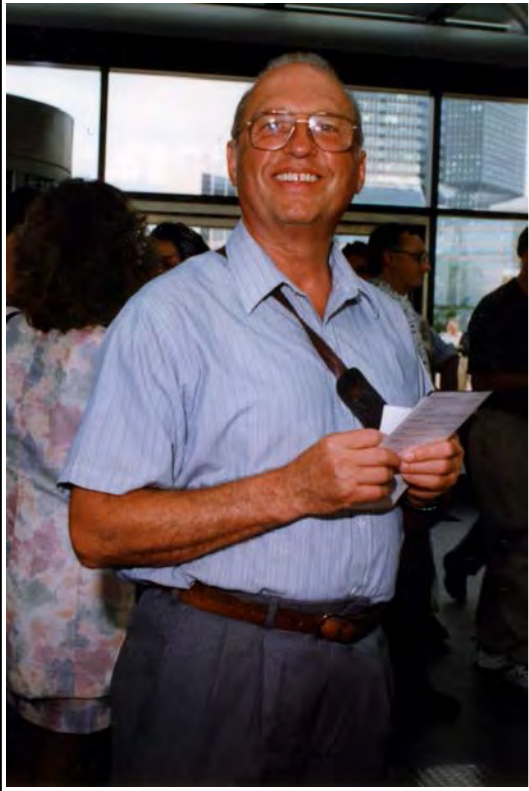
President Vicky Bryg, Phil Russell - *speaker*, Zhifeng Shao - *speaker*, and Past-President Meredith Bond



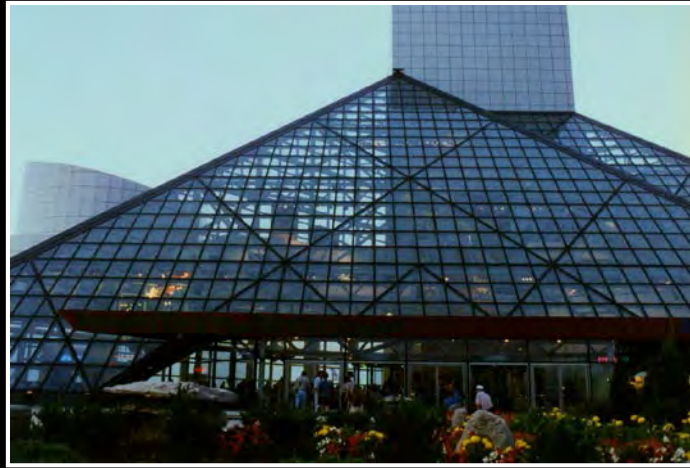
New officers:

Val Woodward - *Secretary*
Pamela Izquierdo - *Trustee*
Mark Smith - *President-elect*

M&M 97 Cleveland



John Gabrovsek
checks in at the
Rock Hall



Rock and Roll Hall of Fame -
site of the Opening Reception



Pat and Rob
Dickerson
enjoy the view

M&M 97



Val with Apollo 15
Astronaut Al Worden

Betty Schumaker
is excited to be at
the Rock Hall



Art Heuer chats
with Bob Duff



M&M 97



Members of MSNO celebrate with LAC Chair Bill Gunning and his Distinguished Service award. L-R Jeanette Killius, Bob Duff, Val Woodward, Bill, Vicky Bryg and Mike Mallamaci

M&M 97 Indians game



The Woodward family



Chris Kliever, Pat and funny Rob



Slightly damp
Dave Strecker



The Jake under a rain delay



Jeanette dressed
for the weather

M&M 97



Hard workers:
Ed Calomeni
and Val



The exhibit floor



The War Room

M&M 97



Celebrating a good meeting:
Kathy Wolken, Ellen Price,
her husband, and Dave
Strecker



Congratulations
Bill!



Bob Price, Joe Polak
and Frank Hanley

1998



Speaker Ralph Albrecht has
fun with President-elect
Mark Smith



Speaker John Mansfield relaxes with
Mike Mallamaci and Helga Beegan

1998



President Vicky Bryg wishes
success to incoming President
Mark Smith



New officers:

Mike Mallamaci - *President elect*

Denise Rafferty - *Trustee*

Bill Butler - *Treasurer*

1999



Mark Smith thanks Doug Dorset for his talk



Mark with Jerry Shoemaker

Mark with Tom Bunch and his wife



1999



New officers (L-R)
Bill Landis - *Trustee*
Kathy Doane - *President elect*
Val Woodward - *Secretary*

Joint meeting with ARDL
Fall speakers (L-R): Mike
Marko, Charles Herd, Ron
Midura and Sergei Magonov



Spring 2000



Spring Meeting at Wolf Creek Winery



Bob and Diane Duff enjoy
the deck at Wolf Creek
Winery

Mike Mallamaci hands
over the presidency to
Kathy Doane



2000 Fall NEOMED

Dining under the
walking whale at
NEOMED



Betsy Dumont talks
to Paul Venoy



Mark Kovacic
and Ed Boyd
enjoy the
meeting

President Kathy
Doane talks to
speaker Betsy
Dumont





Bill Butler and Frank Hanley

2001 Winter Meeting

Summa Hospital



President Kathy Doane
and Kim Sloan Stakleff



Mark Kovacik is host
for the Winter Meeting



The irrepressible Ron
Smith is the speaker



Pam Izquierdo hams it up
for the camera

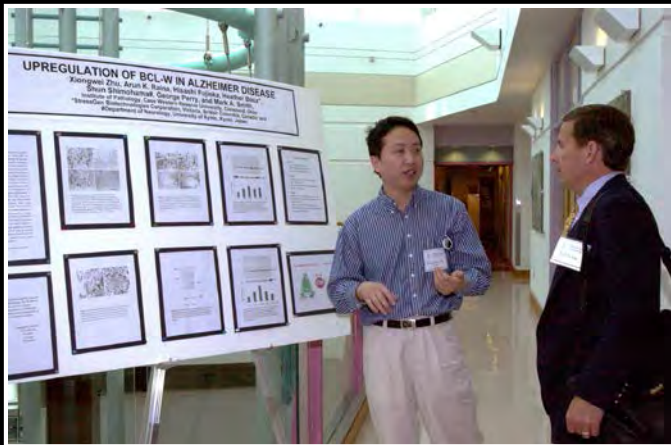
2001 Spring Posters - CWRU



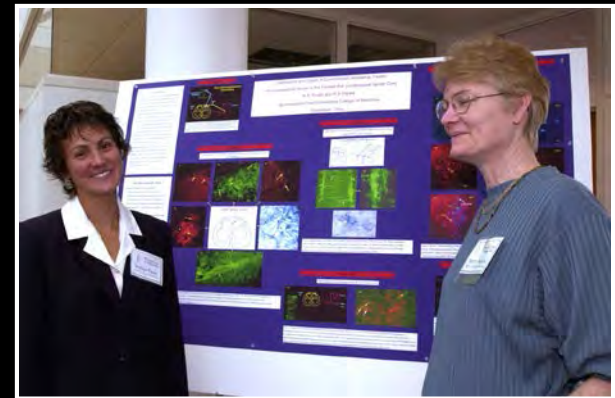
Hard-working trustees Sherry Stuesse and Bill Landis lend a hand



Hu Duan shows his poster to Jim Bentley and Val Woodward



Xiongwei Zhu explains his poster to Paul Baron



Sherry Stuesse (R) checks out Barb Puder's poster

2001 Spring Meeting at CWRU



Sometimes we
ask a lot of our
officers....

Bill Landis, Bill Butler
and Sherry Stuesse help
set up for dinner



But in the end...it was worth it!

2001 Spring Meeting



Jim Bentley talks on EFTEM



President Kathy Doane, Kim Sloan Stakleff, Bill Landis and Professor Ottensmeyer



Professor Ottensmeyer uses an umbrella to make a point



New officers Bob Duff - *trustee*, Sherry Stuesse - *secretary* and Bill Landis – *President-elect*

2001 Fall Meeting

Ricerca



Harry Pulliam
and Jay
Mansbach
enjoy the
reception



Mager's
Mike
Boykin
draws the
winning
ticket while
Ed Boyd
watches



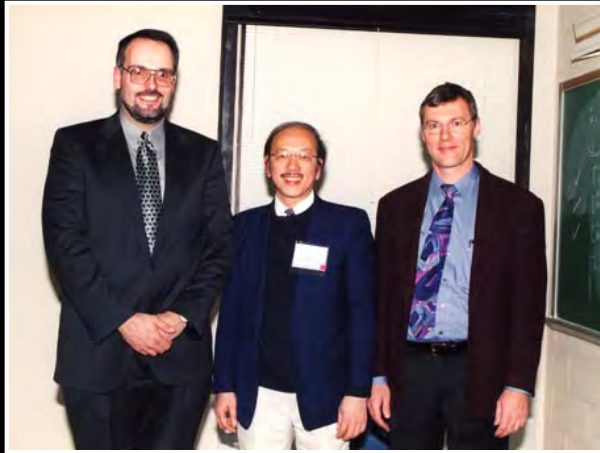
Speaker
Michael
Cheung



Jeanette Killius wins a PDA

2002 Fall Meeting

CWRU



Ed Boyd
with Wah
Chiu and
Frank Ernst



FEI reps Jan Rignalda (L) and Ed Griffiths (R) with Arthur Heuer (C) and Case's new Teknai TEM



Denise
Rafferty



President-elect Bill Landis poses with
speaker Lorraine Siperko and secretary
Val Woodward

2003 Spring Meeting



Joe Ullmer (L) talks to
Harry Pulliam



Kim (L) talks with Chris Block
and Kathy Doane



Mysterious
Lorraine



Ruth Murray chats
with Vicky



Val shows Bill Landis her
new camera



Frank Karl (L) and
Mike Mallamaci

2003 Fall meeting



President Val
Woodward



Mary Kremser, Greg
Meeker and Bill Gunning
enjoy a drink



Greg Meeker gives
his presentation

2004 MARDI GRAS MEETING



Who are
we?

2004 Spring Meeting



Val awards Katie Reif (C) a prize for best poster while her advisor Laura Tuhela-Reuning looks on



Val transfers a gavel to Jay to use as President



New Officers for 2004-05 (L-R):
Jay Mansbach - *President*
Mike Mallamaci - *Treasurer*
Kim Sloan Stakleff - *Trustee*
Bill Butler - *President elect*

2004 Fall Meeting



President Jay
Mansbach introduces
Dennis Ward

Dennis Ward of
the FBI talks
about Counter-
terrorism and
Microanalysis



A rapt audience
includes (L-R)
Dan Kremser,
Dave Navratil,
Mary Kremser
and Frank Karl



Winter 2005

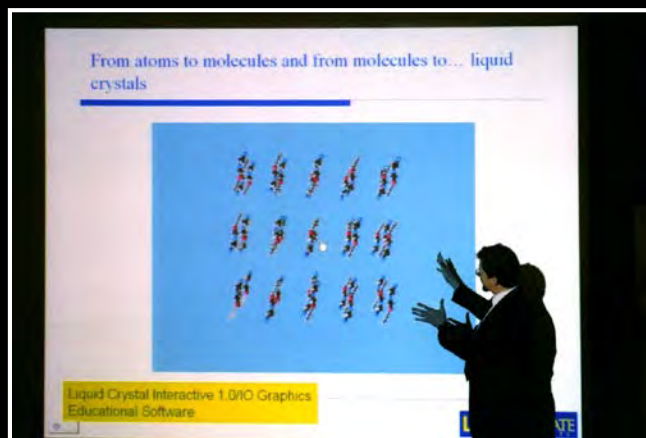
KSU Liquid Crystal Inst.



3D viewers (L-R) Dan Kremser,
Mary Kremser and Vicky Bryg



Kim Stakleff and Dave Strecker
enjoy the LCI presentation



Oleg Lavrentovich talks about
liquid crystals at Kent State

2005 Fall meeting at Natural History Museum



Beth Lowder pets
grizzly bear



Bill Butler bags a buck!



Kathy Matras
and grizzly bear



Frank Karl
and lion



Pat Glazebrook
and gazelles



Robin Jacquet and
leaping gazelle



Val with
camera lucida

Mardi Gras 2006

at Lubrizol



Judy Drazba in mask



Judy Fulton and
Beth Lowder



President Bill's new look



Val talks about her CM12



John Mackenzie gives
talk on digital imaging



Judy Fulton and
Latisha Foster

Spring 2006 at U. of Akron



Bob Anderhalt
gets mug from Bill



Mark Kovacik (L) and Rex
Ramsier (R) get a thank
you mug from Bill



Student poster winners (L-R) Ryan
Hartschuh, Doug Medvetz, Yangjun Cai,
Aadithya Krishnan and Andrew Ditto

Fall 2006

Summa Hospitals



40th Anniversary of MSNO



Lisa Cooper shows Jay
Jerome her poster



Congratulations to poster winners
(L-R) Sarah Smith, Parth Shah,
Lisa Cooper, and Emily Njus



Robert Simmons (L) and Jay
Jerome have fun with Jeanette

Winter 2007

Metro Hospital



Jay Mansbach
talks to Judy
Fulton



Frank Karl chats
with speaker
Frank Platek

Frank Platek discusses FDA
tampering investigations



Spring 2007

MSNO 40th Anniversary at Viking Vinyards



Jeanne Petko and Bill Butler



Dennis Hinks (L) and Mike Mallamaci (R) talk to speaker Paul Kotula



Dave & Peggy Strecker
sample appetizers



MAS President Paul Kotula giving talk

MSNO 40th Anniversary



MSNO Past presidents (L-R)

1st row – Kathy Doane, Bill Butler, Vicky Bryg, Mike Mallamaci

2nd row – Jeanette Killius, Dan Kremser, Val Woodward, Jay Mansbach

FALL 2007

GrafTech International



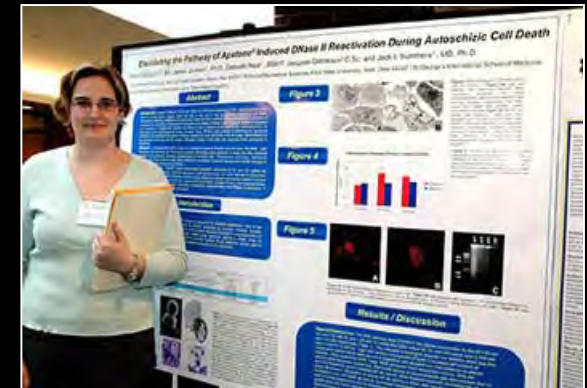
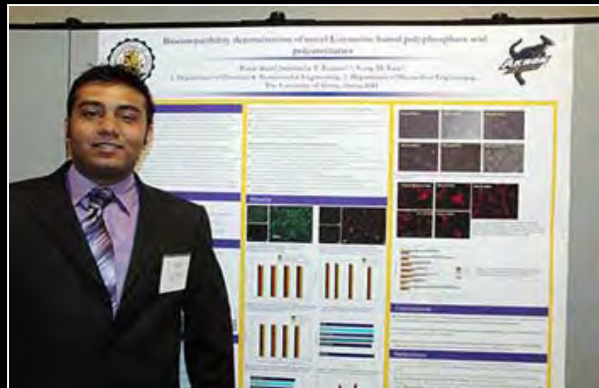
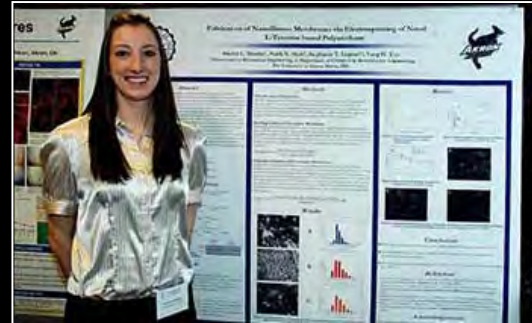
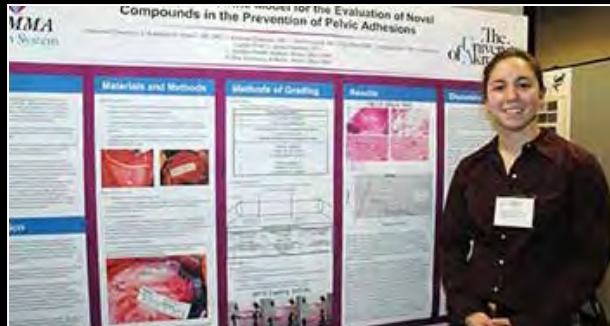
Lionel Batty talks about GrafTech



Bill Landis discusses his research

Winter 2008

U. of Akron Student Poster Competition



Winter 2008

U. of Akron Student Poster Competition



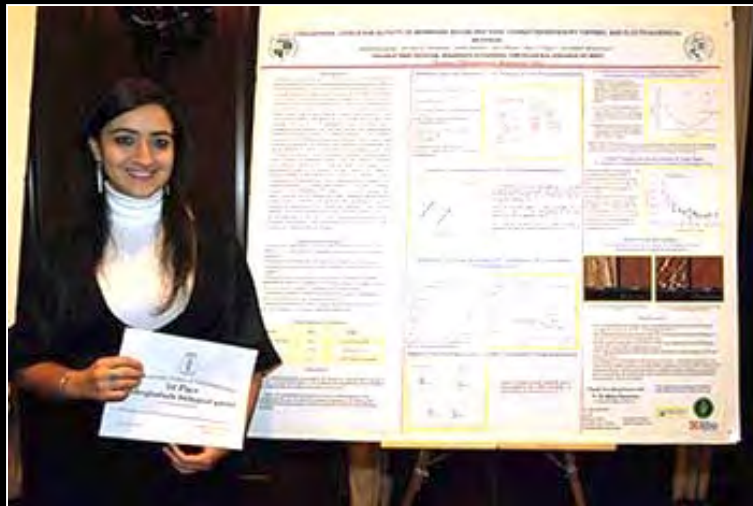
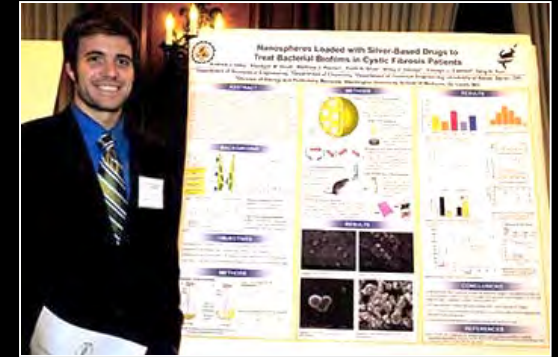
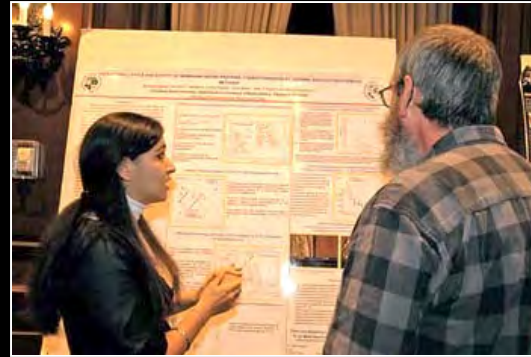
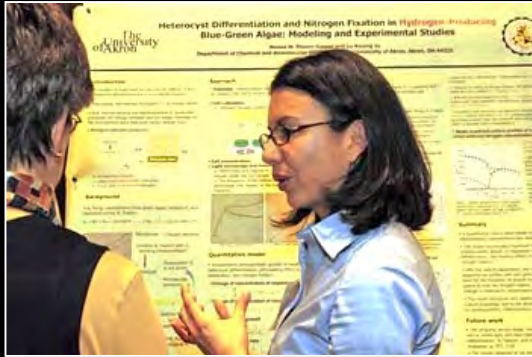
President Dan Kremser (L) with student poster presenters



Professor Smith gives talk

October 2008

Cleveland State Univ. poster competition



Fall 2009

Case Western Reserve University



Trustee Krystal Lovejoy (L) and Secretary Pat Glazebrook



Jay Mansbach (L) speaks with Steve Fiester about his poster



President Vicky Bryg presents MSNO mug to speaker Alex Huang

Fall 2010

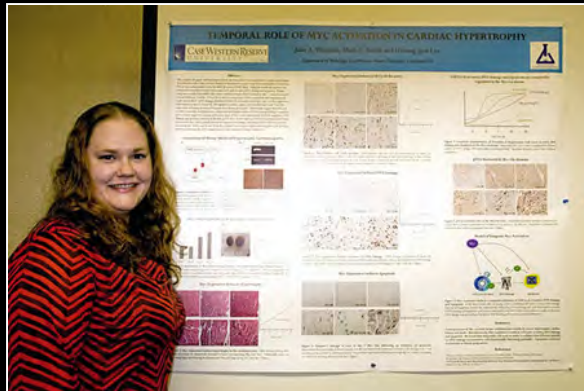
Summa Health System, Akron



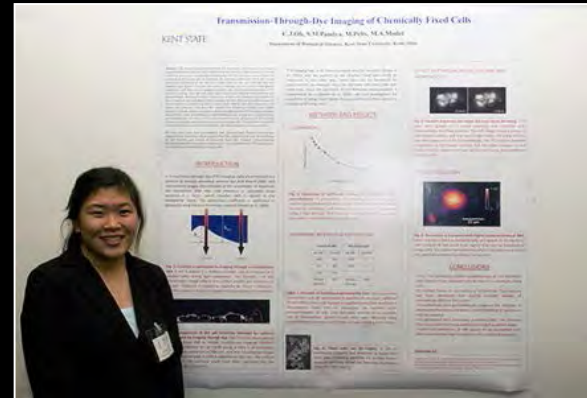
President Jim Jameson cuts the fall meeting cake



Judy Drazba from the Cleveland Clinic discusses confocal imaging



Julie Wolfram, CWRU, wins 1st place, Grad Bio Poster



Christine Oh, KSU, wins 1st place, Undergrad Bio Poster

Winter 2013

Case Western Reserve University



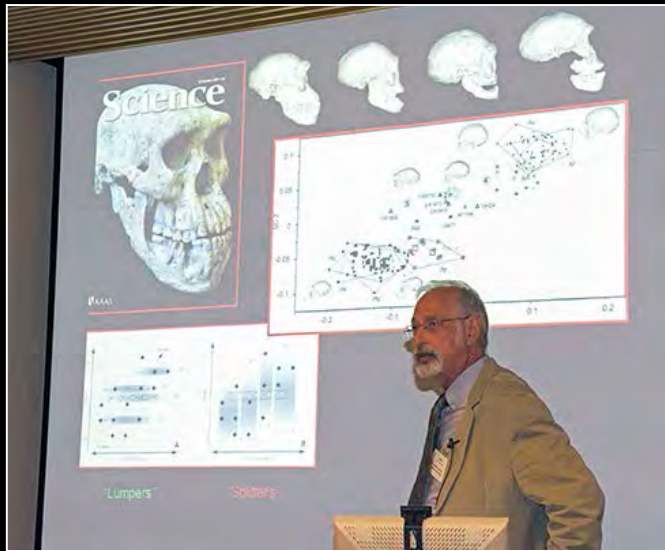
MAS Tour Speaker Paul Kotula (L) receive MSNO mug from President Amir Avishai



CWRU Prof. Korley Lashandra receives thank you mug from Amir

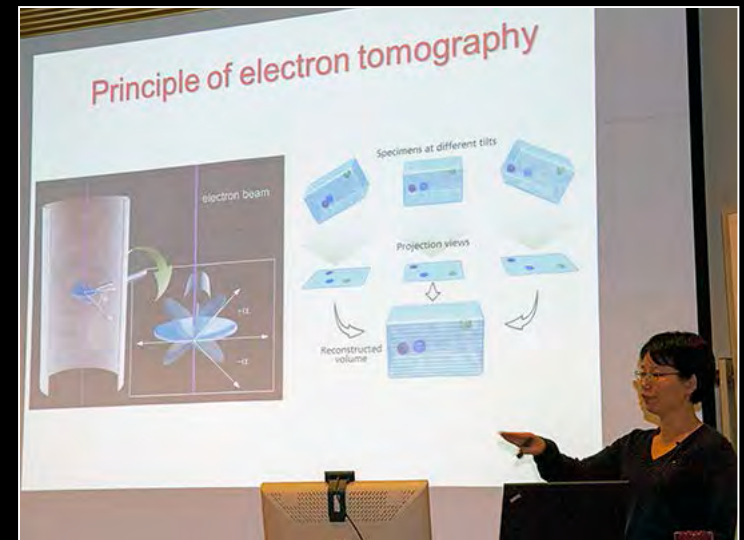
Fall 2013

Kent State University



Distinguished Professor Owen Lovejoy discusses origins of the human species

Dr. Piejun Zhang, Univ. of Pittsburgh, talks about electron tomography



May Meeting 2014

John Carroll University



Opening talk on spectroscopy's use in forensics



Overview of exhibit area



AFM presentation by Steven Eppel of CWRU

Fall 2014

University of Akron



Speaker Simon Watkins
of the Univ. of Pittsburgh



Interested guests listen
to Dr. Watkins



Adam Smith introduces
Dr. Nita Sahai of the U.
of Akron

Winter 2015

Cleveland Museum of Natural History



Kathy Prokop and Chris Holp enjoy the exhibits



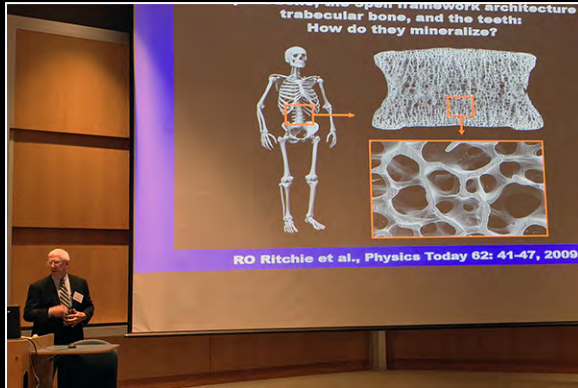
President Min Gao shakes hands with a grizzly bear



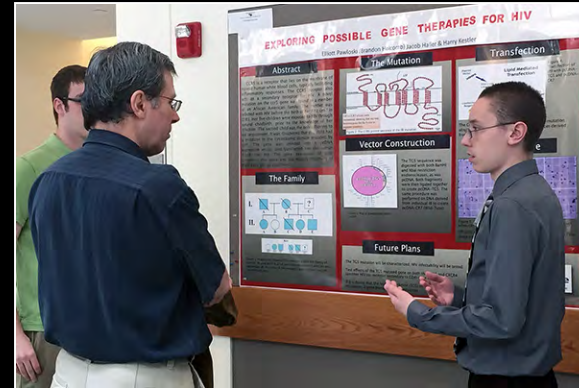
Guests listen to Lillian Kuri discuss University Circle

May Meeting 2015

John Carroll University



William Landis, U. of Akron, presents his bone research



Elliot Pawloski (R) discusses his poster



Kevin Budge (L) receives Yeager Award from Rick Kus



The first MSNO Student Award winners, Emmanuel Anim-Danso (Left, Akron), Samantha Mock and Thomas Stoner (right, Youngstown), and President Min Gao

July 2015, MSNO sponsors the first Summer School at KSU



Adam Smith discusses optical microscopy



Midori Hitomi shows how to take better pictures



Min Gao introduces freezing based electron microscopy



Turnout for the first Summer School was excellent!

Winter 2016

Lorain County Community College



Guests enjoy the student poster session



President Nan Avishai opens the meeting



MSA Tour Speaker W. Gray (Jay) Jerome receives an MSNO laser pointer as a thank you gift from President Nan



Lu Zou (Kent State University) receives the first MSNO Appreciation Award from Past President Min Gao

In Memorium

- Helga Beegan – *Trustee, 1978-81*
- Oscar Bradfute – *Trustee, 1985-88*
- Tom Cole – *President, 1994-95*
- Robert Duff – *President, 1985-86*
- John Gabrovsek – *Trustee, 1994-97*
- Jerome Kleinerman – *President, 1977-78*
- Gary Michal – *President, 1989-90*
- Dorothy Moses – *Trustee, 1987-89*
- Joe Polak - *Member*
- Mark Smith – *President, 1998-99*
- Ron Smith - *Member*



MUG SHOTS

In 1999 MSNO began
giving mugs to speakers
and other honorees.
Herewith are some Mug
Shots!

MUG SHOTS



MUG SHOTS



MUG SHOTS



MUG SHOTS



MUG SHOTS



MUG SHOTS



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- University of Akron
- Youngstown State EM Facility
- Zeiss

CONGRATULATIONS MSNO ON 50 AMAZING YEARS!



Established 1966