PROJECT NExT
NEW EXPERIENCES IN TEACHING
2002-2003 FELLOWS, BURLINGTON, VT

a program of
THE MATHEMATICAL ASSOCIATION OF AMERICA

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THE ASSOCIATION OF MATHEMATICS TEACHER EDUCATORS
THE GREATER MAA FUND

We gratefully acknowledge their support.
Project NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop in Burlington, Vermont
July 29 – 31, 2002

Except as noted, all sessions are in the Living Learning Center on the University of Vermont campus. The Project NExT registration area is on the third floor of the Living/Learning Center.

MONDAY, JULY 29

11 am - 1:15 pm    Arrival and registration

1:30 - 1:45 pm    Welcome and opening remarks
                  T. Christine Stevens, Project NExT director
                  CMS 315

2:00 - 2:45 pm    Small group discussions – See information for assignments
                  Group A: Room A101
                  Group B: Room A102
                  Group C: Room A161
                  Group D: Room A162
                  Group E: Room B101
                  Group F: Room B102
                  Group G: Room B132

2:55 - 3:45 pm    Senior NExT Moments: Learning from My Peers
                  Martha Siegel, Towson University
                  Secretary, The Mathematical Association of America
                  CMS 315

3:50 - 4:20 pm    BREAK – screened porch across from CMS 315

4:30 - 5:15 pm    Small group discussions [Same room assignments by group as above, but your group assignment may have changed.]

5:30 - 7:00 pm    DINNER

7:30 - 9:00 pm    Conversation with the Leadership
                  Ann E. Watkins, California State University, Northridge
                  President, The Mathematical Association of America
                  Carl Cowen, Purdue University
                  First Vice-President, The Mathematical Association of America
                  Terry Herdman, Virginia Polytechnic and State University
                  Vice President for Education, Society for Industrial and Applied Mathematics
                  CMS 315

TUESDAY, JULY 30

7:00 - 8:15 am    BREAKFAST

8:30 - 9:45 am    Selected topics in teaching undergraduate mathematics I
                  Five simultaneous sessions – See information for assignments
                  A. Teaching Students to Write Proofs – Carol Schumacher, Kenyon College – Room A101
                  B. Making Calculus Meaningful -- Patti Frazer Lock, Saint Lawrence University – Room A161
                  C. Writing and the Mathematics Classroom -- John Meier, Lafayette College – Room A102
                  D. Group Projects in Upper Division Courses such as Abstract Algebra and Real Analysis -- Cheryl Chute-Miller, State University of New York, Potsdam – Room B101
                  E. College Algebra and Precalculus: Rethinking the Preparation for Calculus – Nancy Baxter Hastings, Dickinson College – Room A162
9:55 - 10:25 am  BREAK – screened porch across from CMS 315

10:25 - 11:40 am  Panel: Using class time well
                   Colin Adams, Williams College
                   Margaret Morrow, State University of New York, Plattsburgh
                   Margaret Robinson, Mount Holyoke College
                   CMS 315

11:45 am - 1:15 pm  LUNCH

1:15 - 2:30 pm  Repeat of morning breakout sessions – See information for assignments

2:40 - 3:40 pm  A Consumer’s View of Mathematics Education Research
                   Daniel Goroff, Harvard University
                   CMS 315

3:40 - 4:10 pm  BREAK – screened porch across from CMS 315

4:10 - 5:25 pm  Panel: The faculty member as teacher and scholar
                   Carolyn Gordon, Dartmouth College
                   Jan Holly, Colby College
                   Donald St. Mary, University of Massachusetts, Amherst
                   Gary Towsley, State University of New York, Geneseo
                   CMS 315

5:30 - 7:00 pm  DINNER

8:00 - 10:00 pm  Social Event for all Project NExT Fellows and invited guests
                   Area outside Marsh Dining Hall

WEDNESDAY, JULY 31

7:00 - 8:00 am  BREAKFAST

8:15 - 9:30 am  Selected topics in teaching undergraduate mathematics II
                   Five simultaneous sessions – See information for assignments
                   A. Advising Mathematics Students Academically and Professionally – James Sellers,
                      Pennsylvania State University – Room A101
                   B. Math Modeling in the Curriculum – Catherine Roberts, College of the Holy Cross –
                      Room A161
                   C. Teaching Geometry with Proofs but No Axioms – David Henderson, Cornell University –
                      Room A102
                   D. Teaching the Sophomore Differential Equations Course in the Twenty-First Century –
                      Robert Devaney, Boston University – Room B101
                   E. Mathlets for Calculus and Precalculus – Thomas Leathrum, Jacksonville State Univ. –
                      Room A162

9:35 - 10:05 am  BREAK – screened porch across from CMS 315

10:10 - 11:25 am  Panel: Finding out what your students have learned
                   Roger Cooke, University of Vermont
                   Ann Farrell, Wright State University
                   Michael Gage, University of Rochester
                   CMS 315
11:30 a.m.-12:30 p.m.
Small Group Discussions with other Project NExT Fellows
[For these sessions we will be splitting geographically. Please attend the group that includes the state or province where your institution is located.]
Group A: AB, AK, AZ, CA, HI, ID, MT, NM, NV, OR, UT, WA – CMS 216
Group B: CO, IA, MN, ND, NE, SD, WY – Room A102
Group C: AR, KS, LA, MO, MS, OK, TX – Room A162
Group D: IL, WI – Room B102
Group E: IN, MI, OH – Room B101
Group F: DE, KY, PA, WV – CMS 302
Group G: AL, FL, GA, NC, SC, TN, VI – Room A101
Group H: DC, MD, Metropolitan NYC (ZIP codes 10000-11999 and 12400-12799), NJ, VA – Room B132
Group I: CT, MA, ME, NF, NH, NS, NY (ZIP Codes 12000-12399 and 12800-14999), RI, VT – Room A161

12:30 - 1:45 pm
LUNCH

2:00 - 3:15 pm
Repeat of morning breakout sessions – See information for assignments

3:15 - 3:55 pm
BREAK – adjacent to Marsh Life Sciences Building

3:55 - 5:45 pm
Closing Session
Recognition of 2001-02 Fellows
Presentation: Finding Your Niche in the Profession
Joseph Gallian, University of Minnesota, Duluth
Second Vice President, The Mathematical Association of America

Benedict Auditorium (Room 235), Marsh Life Sciences Building

7:30 – 9:30 pm
MathFest Opening Banquet
Master of Ceremonies: Underwood Dudley, DePauw University
Presentation: Who is the Greatest Hitter in the History of Baseball?
Joseph Gallian, University of Minnesota, Duluth

Emerald Grand Ballroom, Sheraton Hotel

Project NExT Courses During the MathFest: Four-hour courses meeting 4:10 - 6:00 pm on Thursday and Friday, August 1 and 2.
A. Making Liberal Arts Mathematics Meaningful -- Edward Burger, Williams College, and Michael Starbird, University of Texas, Austin – Room B132
B. Cooperative Learning in Undergraduate Mathematics – William Fenton, Bellarmine University – Room A102
C. Planning and Teaching Mathematics Courses for Teachers – Ann Farrell, Wright State University – Room A162
D. Teaching an Introductory Statistics Course -- Robin Lock, Saint Lawrence University – Room B102
E. Getting Your Research off to a Good Start/Applying for Research and Education Grants -- Joseph Gallian; University of Minnesota, Duluth, and Lloyd Douglas, National Science Foundation – Rooms A101, A161
F. Undergraduate Research -- How to Make It Work -- Aparna Higgins, University of Dayton – Room B132

7/5/02