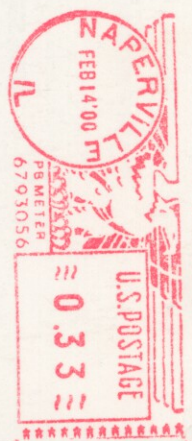
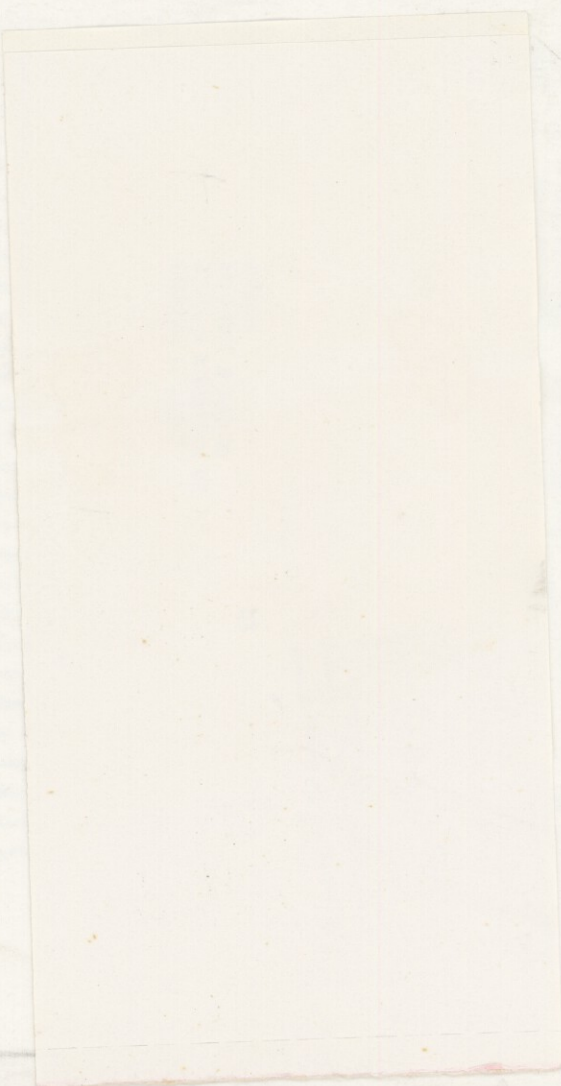
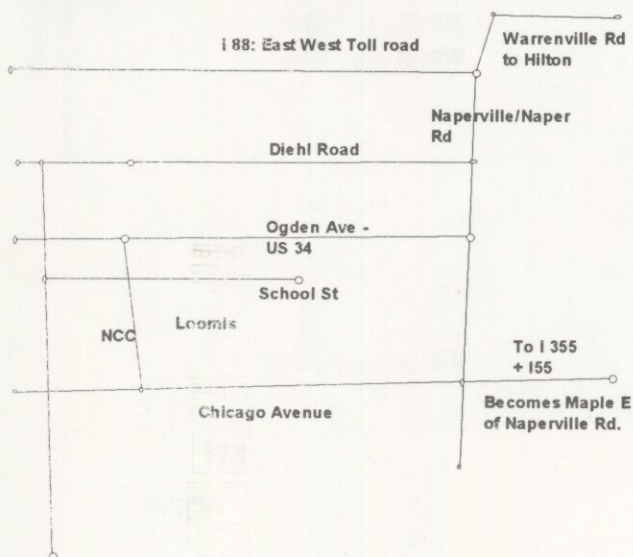


Jon L. Johnson  
Sec/Treas ISMAA  
Mathematics Department  
Elmhurst College 190 Prospect  
Elmhurst, IL 60126



## GENERAL INFORMATION

The meeting will be held on the campus of North Central College, Loomis and Benton Streets in Naperville, IL. Exit 188 at Naperville Road or I355 at Maple. See map below.



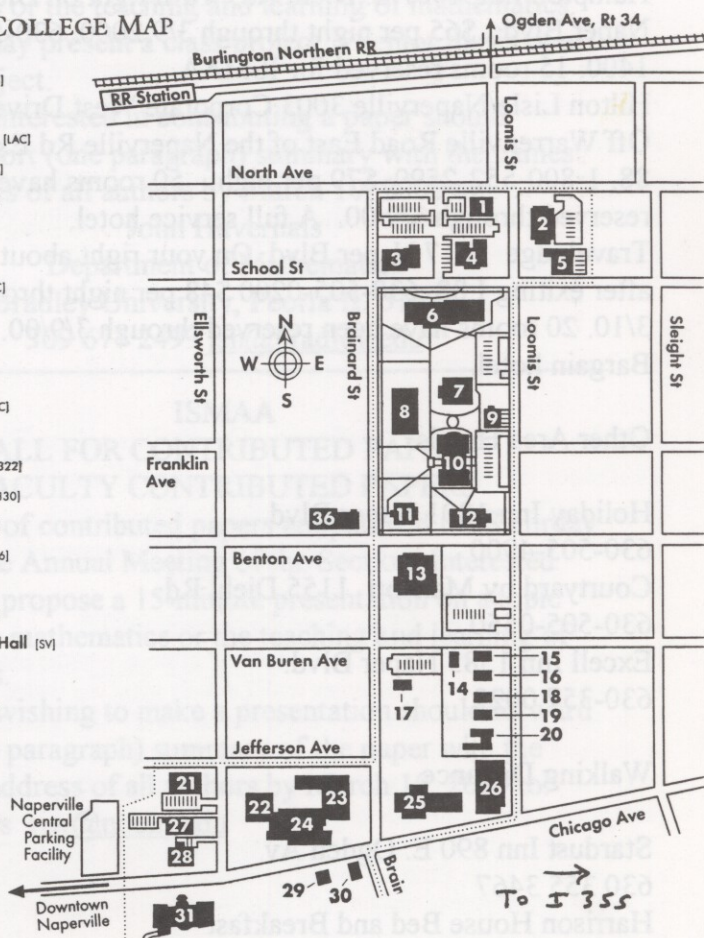
## Parking

Will be difficult on Friday. You are welcome to park in any open space on campus – things begin to free up in the afternoon. There is always parking available in the surrounding area, but the four hour limit is strictly enforced. The Naperville municipal garage at Chicago and Washington Streets is only 5 minutes away. Saturday should be easier.

Activities Center

## NORTH CENTRAL COLLEGE MAP

1. 225 N. Loomis House [H225]
2. Kimmel Residence Hall [KL]
3. Larrance Academic Center [LAC]
4. Student Service Center [SSC]
5. Seybert Residence Hall [ST]
6. Oesterle Library [UB]
7. Goldspohn Hall [G]
8. Kroehler Science Center [SC]
9. Physical Plant [PP]
10. Old Main [OM]
11. Carnegie Hall [C]
12. White Activities Center [WAC]
13. Pfeiffer Hall [PH]
14. 322 E. VanBuren House [H322]
15. 330 E. VanBuren House [H330]
16. 109 S. Loomis House [H109]
17. 116 S. Brainard House [H116]
18. 119 S. Loomis House [H119]
19. 125 S. Loomis House [H125]
20. Student Village Residence Hall [SV]
21. Art Center [ART]
22. Geiger Residence Hall [GR]
23. Rall Residence Hall [RL]
24. Kaufman Dining Hall [K]
25. Seager Residence Hall [SR]
26. Townhouse Residence Hall
27. 221 S. Ellsworth House [H221]



## Housing Information

Participants are responsible for making their own hotel/motel reservations. No hotel/motel is within walking distance of campus with the exception of the Stardust Inn

Rooms have been reserved at three area hotels. There are lots of other choices, a few of which are listed below.

Mention the ISMAA meeting for special rates listed for first 3 hotels. You can visit the Naperville web site for further information.

Hampton Inn, 1087 E. Diehl Rd. Turn right on Diehl off of Naper Blvd. \$65 per night through 3/9,2000. 630-505-1400. 15 rooms reserved for ISMAA.

Hilton Lisle/Naperville 3003 Corporate West Drive, Lisle.

Off Warrenville Road East of the Naperville Rd Exit of I 88. 1-800-552-2599. \$79 per night. 50 rooms have been reserved through 3/9/00. A full service hotel.

Travelodge 1617 Naper Blvd. On your right about .5 miles after exiting I 88. 630-505-0200 \$48 per night through 3/10. 20 rooms have been reserved through 3/9/00. Good Bargain hotel.

## Other Area Hotels

Holiday Inn 1801 Naper Blvd.

630-505-4900

Courtyard by Marriott 1155 Diehl Rd

630-505-0550

Excell Inn 1585 Naper Blvd.

630-357 0022

## Walking Distance

Stardust Inn 890 E. Ogden Av.

630 355 3467

Harrison House Bed and Breakfast

26. N Eagle Street

630-420-1117

ISMAA  
Call for STUDENT CONTRIBUTED PAPERS  
For the Annual Meeting of the  
ILLINOIS SECTION OF THE MAA  
March 31-April 1, 2000  
North Central College, Naperville, IL

A session of student contributed papers is scheduled for Saturday April 1 at the Annual Meeting of the ISMAA. Any undergraduate student or group of students may propose a 15-minute presentation on a topic dealing with mathematics or the teaching and learning of mathematics. The paper may present a class project, a senior thesis or a research project.

Individuals interested in contributing a paper should forward a short (one paragraph) summary with the names and addresses of all authors by March 10, 2000 to:

John Haverhals  
Department of Mathematics  
Bradley University, Peoria IL 61625  
309 677 2499 [jsh@bradley.edu](mailto:jsh@bradley.edu)

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ISMAA  
CALL FOR CONTRIBUTED PAPERS  
FACULTY CONTRIBUTED PAPERS

One session of contributed papers are planned for Saturday April 1 at the Annual Meeting of the Section. Interested faculty may propose a 15-minute presentation on a topic dealing with mathematics or the teaching and learning of mathematics.

Individuals wishing to make a presentation should forward a brief (one paragraph) summary of the paper with the names and address of all authors by March 10, 2000 to:

Rich Wilders [rjw@noctrl.edu](mailto:rjw@noctrl.edu)

## Program of the Annual Meeting

Thursday, March 30, 2000

7:30 – 10:00 p.m.

Board of Directors      Swing Conference Room  
Old Main, 4<sup>th</sup> Floor Center

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Friday, March 31, 2000

9:00 – 11:30 a.m.

Mini Course in the History of Mathematics

Featuring G. Frederick Rickey of the United States Military Academy. Dr. Rickey has been an active figure in the use of history in the teaching of undergraduate mathematics. He recently relocated to the USMA from Bowling Green University in Ohio.

Smith Hall:      Old Main 2<sup>nd</sup> Floor North

12:00 – Registration

12:30 – 1:45 Official Welcome: Dr. R. Devadoss Pandian,  
Professor of Mathematics and Dean of the Faculty, North  
Central College

**Invited Address: Donald Saari, Northwestern  
University:**

***Bad Outcomes and Strategic Opportunities***

It is an election year in the US, the state of Illinois, and the math department. But do the outcomes really reflect what the voters desire, or do they reflect the choice of election procedure? The answer, which is obtained by investigating the mathematical symmetries of the problem, are very troubling for democracies. In fact, they suggest that (and how) a chair can "manipulate the outcome by selecting an "appropriate" election procedure. On the other hand, at some time each of us also has been guilty of trying to manipulate the election outcome by voting strategically. It is shown how to use mathematical structure to identify all possible manipulative structures.

Smith Hall:      Old Main, 2<sup>nd</sup> Floor North

## ISMAA INSTITUTIONAL SPONSORS

1999-2000

### ORDINARY

Augustana College  
Belleville Area College  
Bradley University  
Chicago State University  
College of DuPage  
Columbia College Chicago  
Elmhurst College  
Harold Washington College \*  
Illinois Institute of Technology  
Illinois Valley Community College \*  
Illinois Wesleyan University  
Northeastern Illinois University \*  
Richard J Daley College \*  
Rockford College  
Trinity Christian College  
Wabonsee Community College

### SUSTAINING

Northern Illinois University  
Easter Illinois University  
Joliet Junior College \*  
University of Illinois, Urbana \*

### BENEFACTOR

Knox College \*  
Western Illinois University

\*Indicates a two-year membership

The Section is grateful for the support of the above-listed institutions. Special thanks to Knox College and Western Illinois University.

1:45 – 2:00 Coffee Break  
Goldspohn Lobby

**2:00—3:00 Concurrent Sessions**

Rooms and detailed abstracts will be available at registration.

**Session A: Undergraduate Teaching**

Peter G. Braunfeld, UIUC: *Some "neat" applications of infinite series.*

Convenor: Rich Wilders, North Central College

**Session B: History of Mathematics**

Patti Hunter, North Central: *Connections, Context, and Community, Abraham Wald and the Sequential Probability Test*

Amy Shell, Univeristy of Ill, Chicago: *The work and Influence of Mina Rees*

Convenor: Dave McClenahan, U. of St. Francis

**Session C: Technology in Teaching**

Lisa Townsley Kulich, Benedictine University: *Using Derive to Teach Calculus*

Covenor:

3:00—4:30 Student Math Contest

Heininger Auditorium: Larrance Acad. Center

3:00-4:15 Coffee Break Goldspohn Lobby

**3:00—4:00 Concurrent Sessions**

**Session D: Panel Discussion on the Illinois Articulation Initiative.**

Dominic Magno, Harper College; Larry Morley, WIU;

Linda Sons, NIU; Lisa Townsley-Kulich, Benedictine U.

Rich Wilders, NCC

Convenor: Lis Townsley-Kulich

### **Session E: Research Reports**

Abigail Hoit, Elmhurst College: *The Distribution of Generalized  $q$ -additive functions.*

Patricia L. Kiihne, Illinois College: *Factorization Properties in Polynomial and Power Series Rings*

Convenor: Paul Pialek, Trinity International

### **Session F: Research Reports**

Elane Ferland, McKendree College

*Titel and Abstract available at registration*

Ray Robb, McKendree College

*The mean and median values of the support functions for a class of permutations and other polytopes.*

Covenor: Lanette Poteete-Young, Judson College

4:30—5:30 Annual Business Meeting

Smith Hall: Old Main 2<sup>nd</sup> Floor North

6:00—7:30 Student Pizza Party Heininger Auditorium

5:30—8:30 Reception and Banquet

White Activities Center, 2<sup>nd</sup> Floor

Banquet Address: Underwood Dudley –

*Calculus Textbooks I have known.*

Melvyn Jeeter, ISMAA President Presiding

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## **Saturday April 1**

7:30—8:20 Breakfast Heininger Auditorium

Pre-payment required.

### **8:30—9:30 Invited Address**

Gideon Weinstein, United States Military Academy:

*Introducing Rigor into Undergraduate Mathematics.*

Smith Hall: Old Main 2<sup>nd</sup> Floor North

Melvyn Jeeter, ISMAA President Presiding

9:30—9:45 Coffee Break Goldspohn Lobby

### 9:45 – 10:45 Concurrent Sessions

#### Session H: Student Papers

Wesley Calvert, Augustana College

*How to Keep Meaning out of Mathematics*

Dr. Doug Nelson, Supervisor

Andrea Frazier, Illinois College

*The trials and Triangulations of a Zero-Divisor Graph.*

Convenor: John Haverhals, ISU

#### Session I: Research Results

Todd Oboerg, Illinois College: *An investigation of Undergraduate Calculus Students' Conceptual*

*Understadning of the Definite Integral*

Convenor: Tom Bengston, Augustana College

#### Session J: Technology in Teaching

David Hunter, North Central College: *Why Every Course Should Have a Web Page.*

D. Klanderman and S. Robbert, Trinity Christian:

Continuous Innovations in the Teaching of Caclulus using

Maple or: *Having Auxiliary Learning Activities*

*Dynamically Assists Savvy Hunches*

Convenor:

### 10:50 – 11:50 Concurrent Sessions

#### Session K: Teaching Undergraduates

Jim Trefzger, Parkland College: *Iterative Methods on a Graphing Calculator.*

Convenor:

**Session M: Technology in the Classroom**

Jerry Uhl , UIUC: *Calculus with Mathematica*

Convenor: David Hunter, North Central College

**Session L: History of Mathematics**

Herb Kasube, Bradley University and Rich Wilders, NCC:

*World Wide Web Resources in the History of Mathematics*

Convenor: Rich Wilders

**12:00—1:15 Invited Address**

Nasrollah Etamadi, UIC:

*Recent Results in Probability Theory*

Smith Hall: Old Main 2<sup>nd</sup> Floor North

Melvyn Jeeter, ISMAA President presiding

The ILLINOIS SECTION OF The  
MATHEMATICAL ASSOCIATION OF AMERICA

Announces

THE SEVENTY-NINTH ANNUAL MEETING

Featuring

Fred Rickey, United States Military Academy

Underwood Dudley, DePauw University

Donald Saari, Northwestern University

Gideon Weinstein, United States Military Academy

Nasrollah Edamadi, University of Illinois at Chicago

And lots of your colleagues from around the state, including presentations by several faculty new to the section.

Friday and Saturday March 31 and April 1, 2000 – North  
Central College Naperville, IL.