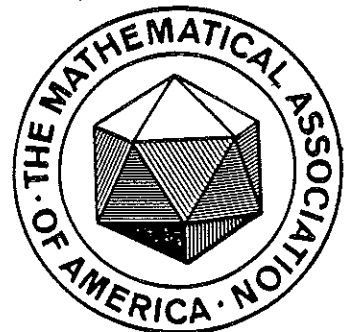## CASPER COLLEGE

FORTY YEARS OF EXCELLENCE

Spring Meeting Program

Rocky Mountain Section MAA and WYMATYC

CASPER COLLEGE

March 15, 16, 1985

1985
Rocky Mountain Section MAA
and WYMATYC
Casper College
Friday, March 15

II:30-2:00   REGISTRATION—Tate Museum Lobby

	EI 100		TM 108
12:45-1:00	**Welcome and Annoucements**		
1:00-1:45	**BEN ROTH—University of Wyoming** "A New 'Problem Solving' Course"	1:00-1:20	***SHANE HUBLER-Colorado College** "Revised Fast Fourier Transforms"
1:45-2:05	**HUNG C. LI—University of Southern Colorado** "The probability of Obtaining All Roots of a Polynomial Equation to be Real" (Part I)	1:20-1:40	***DONNA JOHNSON—SDSM&T** "An Application for Multiple Regression"
		1:40-2:00	***LLOYD BEST—Colorado School of Mines** "Probabilistic Rocket-Engine Propellant Sizing"
2:05-2:25	**JOAN HUNDHAUSEN—Colorado School of Mines** "Getting Beyond the Formulas—Generating Graphical Representations of Fourier Series Solutions for the Heat Equation"	2:00-2:20	***KIM GEHRING—SDSM&T** "What Happens to Students Who Start Out With Remedial Math?"
2:25-2:40	**BREAK**	2:25-2:40	**BREAK**
2:40-3:40	**INVITED ADDRESS** **KENNETH GROSS-University of Wyoming** "Bierberbach, Riemann, and the Class of 1990"		
3:40-4:00	**MARTIN HAMILTON—Montana State University** "The Bootstrap with Some Applications"	3:40-4:25	***STEVE KELLY—George Washington H.S.-Denver** "The Random Walk Program"
4:00-4:25	**RICHARD LUND—Montana State University** "Calculation of Critical Values for the Studentized Range"		
4:25-4:45	**LEON BORGMAN-University of Wyoming** "Probabilistic Design in Engineering"	4:25-4:55	***PAUL ANDERSON—Colorado School of Mines** "A New Technique for Indentifying Transfer Function-Noise Models"
4:45-5:00	**WILLIAM GUENTHER—University of Wyoming** "Two Sided Distribution-Free Tolerance Intervals and Accompanying Sample Size Problems"		

CASPER HILTON

TERRACE
6:15 pm   Social Hour-Wine and Cheese Compliments of the Hilton
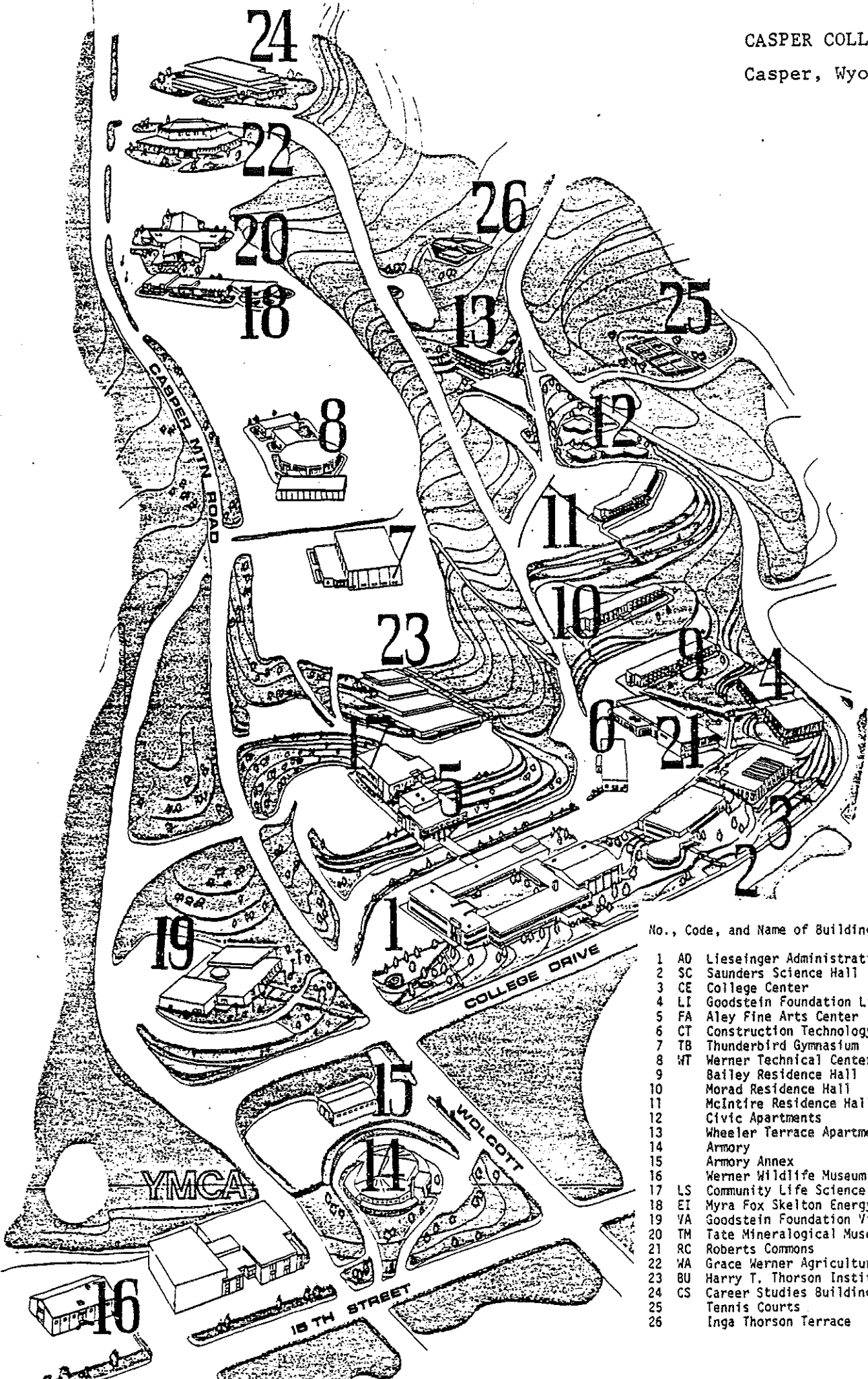Cash Bar

NORTH & CENTRAL BALLROOM
7:15 pm   Banquet   Invited Address
LIDA BARRETT—Northern Illinois University
"Women Mathematicians, Grace Chisholm Young and Emmy Noether"

Saturday, March 16

EI 100

8:30-9:00 **MAA BUSINESS MEETING**

9:00-9:30 **KEN TIAHRT—Montana State University**
"Planning, Implementing and Obtaining Results for a Statewide
Mathematics Assessment Test in Montana"

9:30-9:50 **KAREN WHITEHEAD—SDSM&T**
"Results on the Structure of the Polynomial Ring k[x]"

9:50-10:10 **BREAK**

10:10-11:00 **INVITED ADDRESS**
LIDA BARRETT—Northern Illinois University
"Topology/Material Science"

11:00-11:20 **MICHAEL LORD—Colorado School of Mines**
"The Technique of Nonlinear Variation of Constants—Conceptual
and Quantitative Results"

11:20-11:40 **JOHN HODGES—University of Colorado-Boulder**
"Comments on Two Mathematical Experiences for Non-
mathematically Oriented Students"

11:40-12:00 **STEPHEN BRONN—University of Southern Colorado**
"Isomorphisms Can be Non-Trivial"

TM 108

8:15-9:00 **WYMATYC BUSINESS MEETING AND WYOMING
MATHEMATICS ARTICULATUION DISCUSSION**

9:00-9:45 **JOHN COWLES—University of Wyoming**
Discussion of University's new course numbering system and
other articulation items affecting Wyoming Computer Science
majors.

9:45-10:10 **BREAK**

11:00-11:20 ***SHANE HUBLER—Colorado College**
"Patterns in Bernoulli Numbers"

11:20-11:40 ***LOUIS KOVARI—Colorado School of Mines**
"Mathematics in Hungary"

11:40-12:00 **THOMAS KELLY—Colorado School of Mines**
"Quaternion Propagation Anomaly"

*Student

CASPER COLLEGE
Casper, Wyoming

No., Code, and Name of Building

No.	Code	Name
1	AD	Lieseinger Administration Building
2	SC	Saunders Science Hall
3	CE	College Center
4	LI	Goodstein Foundation Library
5	FA	Aley Fine Arts Center
6	CT	Construction Technology Building
7	TB	Thunderbird Gymnasium
8	WT	Werner Technical Center
9		Bailey Residence Hall
10		Morad Residence Hall
11		McIntire Residence Hall
12		Civic Apartments
13		Wheeler Terrace Apartments
14		Armory
15		Armory Annex
16		Werner Wildlife Museum
17	LS	Community Life Science Building
18	EI	Myra Fox Skelton Energy Institute
19	VA	Goodstein Foundation Visual Arts Center
20	TM	Tate Mineralogical Museum
21	RC	Roberts Commons
22	WA	Grace Werner Agriculture Pavilion
23	BU	Harry T. Thorson Institute of Business
24	CS	Career Studies Building
25		Tennis Courts
26		Inga Thorson Terrace