

Franklin Lundquist - Central Life

M.A.A. COMMITTEE ON HIGH SCHOOL CONTESTS

ANNUAL HIGH SCHOOL MATHEMATICS EXAMINATION

OFFICE OF THE EXECUTIVE DIRECTOR  
OLDFATHER HALL (UN-L)  
LINCOLN, NEBRASKA 68588 U.S.A.  
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CASUALTY ACTUARIAL SOCIETY

HONOR ROLL STUDENTS, 1974 and 1975

More than two-thirds of the Honor Roll Contestants on both the 1974 and the 1975 Examination were high school seniors but each of the other classes were represented in significant numbers. Notably for each year there were at least ten or twelve freshmen on the honor roll, a circumstance of long standing as attested to by the number of gold medal recipients (contestants who were high scorers in their school for four consecutive years).

Anecdotal data on Honor Roll Contestants demonstrates the degrees of mathematical sophistication and of general academic ability. For example, a 17-year old senior who wrote the examination three times is reported to have SAT Verbal Aptitude 680, Mathematical Aptitude 800, CEEB Mathematics Achievement 800, Advanced Placement in Mathematics 5, Advanced Placement in Chemistry 5, and to be the recipient of an extracurricular activity award for development of a war games club, a member of the National Honor Society, and a National Merit Scholarship winner. For another 17 year old senior, it is reported that in his sophomore year, in addition to geometry, he completed the 11th grade full year trigonometry course independently and then elected the 12th grade probability and statistics course. It is remarked that this student "despite his formidable mental capacity is . . . warm, unassuming, and funny."

For the other side of the coin, it is to be remarked that high school mathematics teachers play an important role both in the identification and in the encouragement of students of academic abilities. For example, one School Contest Manager writes, "This student is 13-years old, he is currently reading books on calculus -- score 125." Another School Contest Manager identified a sixth grader -- score 94, currently enrolled in an accelerated junior class in mathematics.

Some statistical data was included in a report which I made last April to the National Council of Teachers of Mathematics (Note A). Two new tables are presented in this report. Table 1. shows the comparison between scores on CEEB Achievement Tests in mathematics and scores on the 1975 Examination for 296 contestants. Table 2. shows the comparison of scores between the 1974 and 1975 Examinations for 329 contestants, 118 of whom were on both the 1974 and 1975 Honor Rolls.

The whole art of teaching is only the art of awakening  
the natural curiosity of young minds. -- Anatole France

Note A: Copies of the report "Mathematics Contest-Honor Roll Students" are available upon request from Committee on High School Contests, 1029 Oldfather Hall (University of Nebraska-Lincoln), Lincoln, Ne. 68588.

*Henry M. Cox*

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Executive Director

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Table 1. COMPARISON BETWEEN SCORES ON CEEB ACHIEVEMENT TEST IN MATHEMATICS  
AND ON THE 1975 EXAMINATION (HONOR ROLL CONTESTANTS)

CEEB Test Score	Score on 1975 Examination														Number of Contestants	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139		140-149
800									129	70	23	8	7			237
750-790									31	4	3	1	1			39
700-740									7	5	1					12
650-690									4							4
600-640									1	3						4
Number of Contestants									172	82	27	9	8			296

Table 2. COMPARISON BETWEEN SCORES ON THE 1974 and  
THE 1975 EXAMINATIONS (HONOR ROLL CONTESTANTS)

1974 Score	Score on 1975 Examination														
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149
140-150											1	1	1		
120-139										1	-	2	3	1	
100-119								6	18	5	6	3	1	1	
80-99								22	26	17	2	1			
60-79								67	35	12	2				
40-59								46	20	9	2				
20-39								11	3	3					
0-19										1					

REGIONAL CONTEST CHAIRMEN: 1976 ANNUAL HIGH SCHOOL MATHEMATICS EXAMINATION

<u>Area</u>	<u>Contest Chairman</u>	<u>Mailing Address</u>
Alabama:	Dr. John Locker,	Department of Mathematics, University of North Alabama, Florence, Alabama 35630
Alaska:	Mr. Donval R. Simpson,	3/4 Mile Yankovich Road, Fairbanks, Alaska 99701
Alberta:	Professor Harold L. Lampkin,	Department of Mathematics, University of Calgary, Calgary, Alberta, Canada
Arizona:	Professor D. R. Arterburn,	Department of Mathematics, New Mexico Inst. of Mining & Tech., Socorro, New Mexico 87801
Arkansas:	Professor Claude Duplissey,	Department of Mathematics, Univ. of Arkansas at Little Rock, Little Rock, AR 72204
Atlantic Provinces:	Dr. William Crawford,	Department of Mathematics, Mount Allison University, Sackville, NB, Canada
British Columbia:	Prof. A.R. Freedman,	Department of Mathematics, Simon Fraser University, Burnaby, British Columbia, Canada
California		
	Northern:	Dr. William H. Landis, Department of Education, 75 Santa Barbara Road, Pleasant Hill, California 94523
	Southern:	Dr. Dwight Coblentz, Math Coordinator, Department of Education, 6401 Linda Vista Road, San Diego, CA 92111
Canal Zone:	(Note A)	
Colorado:	Professor Bob Vunovich,	Department of Mathematics, Southern Colorado State College, Pueblo, Colorado 81005
Connecticut:	Mr. Charles Paydos,	Phoenix Mutual Life Insurance Co., One American Row, Hartford, Connecticut 06115
Delaware:	Mr. Jack Fink,	Continental American Life Insurance Company, Wilmington, Delaware 19899
District of Columbia:	Dr. Edward Bender,	Department of Mathematics, J. Sargeant Reynolds Comm. College, Richmond, VA 23230
Florida	Mr. William Hoop,	Vice-Pres. & Actuary, American Bankers Assurance Co., 600 Brickell Ave., Miami, Florida 33131
Georgia:	Prof. Robert W. Batten,	Department of Insurance, Georgia State Univ., 33 Gilmer Street, Atlanta, Georgia 30303
Guam:	Prof. Masaji Watabe,	Department of Mathematics, Brigham Young University, Hawaii Campus, Laie, Hawaii 96762
Hawaii:	(See Guam)	
Idaho:	Dr. David J. Ferguson,	Department of Mathematics, Boise State College, 1910 College Blvd., Boise, Idaho 83725
Illinois:	Professor Gary Tippett,	Department of Mathematics, Bradley University, Peoria, Illinois 61606
Indiana:	Prof. Louis Cote,	c/oMr. Herbert Spoelstra, Farm Bureau Ins. Co., 130 E. Washington Street, Indianapolis, IN 46204
Iowa:	Mr. Bill Lones,	Actuary, Equitable Life Insurance Company of Iowa, 604 Locust Street, Des Moines, Iowa 50306
Kansas:	Mr. Steven L. Cooper,	Security Benefit Life Ins. Co., 700 Harrison Street, Topeka, Kansas 66603
Kentucky:	Professor Gordon Nolen,	Department of Mathematics, Morehead State University, Morehead, Kentucky 40351
Louisiana:	Professor Houston T. Karnes,	Department of Mathematics, Louisiana State University, Baton Rouge, Louisiana 70803
Maine:	Mr. Alfred B. Harper, Jr.,	F.S.A., Assistant Actuary, Union Mutual Life Insurance Co., Box 548, Portland, Maine 04112
Manitoba:	(Note A)	
Maryland:	(See District of Columbia)	
Massachusetts:	Mr. Norton Levy,	Department of Mathematics, Concord Carlisle High School, 71 Beethoven Ave., Newton, Mass. 02168
Michigan:	(Note A)	
Minnesota:	Professor Wayne Roberts,	Department of Mathematics, Macalester College, St. Paul, Minnesota 55105
Mississippi:	Prof. David E. Cook,	Department of Mathematics, University of Mississippi, University, Mississippi 38677
Missouri:	Professor Alvin Tinsley,	Department of Mathematics, Central Missouri State University, Warrensburg, Missouri 64093
Montana:	Professor William Myers,	Department of Mathematics, University of Montana, Missoula, Montana 59801
Nebraska:	Professor Larry Stephens,	Department of Mathematics, University of Nebraska at Omaha, Omaha, Nebraska 68101
Nevada:	(See Northern California)	
New Brunswick:	(See Atlantic Provinces)	
New Hampshire:	Mr. Owen R. Koppang,	Department of Mathematics, Concord High School, Warren Street, Concord, New Hampshire 03301
New Jersey:	Professor Francis Masat,	Department of Mathematics, Glassboro State College, Glassboro, New Jersey 08028
New Mexico:	(See Arizona)	

## New York

Metropolitan: Mr. Harry Ruderman, Mathematics Dept., Hunter College High School, 466 Lexington Ave., New York, NY 10017

Upper: Mr. Frank Hacker, Mohawk Valley Community College, Utica, New York 13501

Western: Dr. Louis Scholl, Trocaire College, 110 Red Jacket Parkway, Buffalo, New York 14220

Newfoundland: (See Atlantic Provinces)

North Carolina: Mr. Hal Phillips, Jr., Jefferson Standard Life Ins. Co., P. O. Box 21008, Greensboro, North Carolina 27420

North Dakota: Prof. John L. Whitcomb, Department of Mathematics, University of North Dakota, Grand Forks, North Dakota 58201

Northwest Territories: (Note A)

Nova Scotia: (See Atlantic Provinces)

Ohio: Professor Leo Schneider, Department of Mathematics, John Carroll University, Cleveland, Ohio 44118

Oklahoma: Professor Thomas Cairns, Department of Mathematics, University of Tulsa, Tulsa, Oklahoma 74105

Ontario: Mr. Roger A. Haslegrave, Actuary, The Canada Life Assurance Co., 330 University Ave., Toronto, Ontario, Canada

Oregon: Professor James Van Buskirk, Department of Mathematics, University of Oregon, Eugene, Oregon 97403

Pacific Islands: (Note A)

## Pennsylvania

Eastern: Dr. Albert E. Filano, 819 Roslyn Avenue, West Chester, Pennsylvania 19380

Western: Professor Francis Hall, Department of Mathematics, Fayette Campus, Pennsylvania State Univ., Uniontown, PA 15401

Prince Edward Island: (See Atlantic Provinces)

Quebec: Mr. Michael Cassidy, Baldwin-Cartier School Board, 28 Sources Road, Pointe Claire, Quebec, Canada

Rhode Island: (See Massachusetts)

Samoa: (See Guam)

South Carolina: Professor J. H. Wahab, Department of Mathematics, University of South Carolina, Columbia, South Carolina 29208

South Dakota: (See Nebraska)

Tennessee: Mr. Sherwood Z. Smith, The National Life & Accident Ins. Co., National Life Center, Nashville, Tennessee 37250

Texas: Professor James R. Boone, Department of Mathematics, Texas A & M University, College Station, Texas 77843

United Kingdom: Mr. R. W. Payne, Third Master, Dulwich College, London SE 21 7LD, England

Utah: (See Colorado)

Vermont: (See Massachusetts)

Virginia: (See District of Columbia)

Virgin Islands: (Note A)

Washington: Professor Roy A. Johnson, Department of Mathematics, Washington State University, Pullman, Washington 99163

West Virginia: Prof. I. Dee Peters, Department of Mathematics, University of West Virginia, Morgantown, West Virginia 26506

Wisconsin: (Note A)

Wyoming: (See Colorado)

Yukon: (See British Columbia)

Note A: No Regional Contest Chairman for 1976; correspondence should be addressed to Professor Henry M. Cox, 1029 Oldfather Hall, The University of Nebraska, Lincoln, Nebraska 68588