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Minnesota Academy Of Science Committed To Youth

The Minnesota Academy of Science maintains active youth programs throughout Minnesota. The state is divided into eight regions: northern, western, northeastern, central, Twin Cities, southwestern, south central and southeastern. Each region conducts a regional science fair every spring. Each region, according to its relative population, sends top junior and senior high regional winners to the Twin Cities for further competition and educational programs at the State Science Fair. 1978 will mark the 41st event under the direction of the Minnesota Academy of Science.

Most Minnesota regions are directly affiliated with Science Service of Washington, D.C. This agency assists in coordinating science fair programs in the United States, territories and several foreign countries. It annually publishes fair guidelines, judging regulations and participant abstracts. Science Service affiliation assures the availability of various awards from national professional organizations, industry and government to regional fairs. Judges for these awards are customarily recruited by local affiliates of these organizations. Reserve units of the Armed Services generously participate as judges in Minnesota regional and state fairs due to this national program coordination of Science Service. At the discretion of regional fair directors, two students may be designated as representatives to the International Science and Engineering Fair. Necessary funds for project shipment, student and chaperon travel and lodging become the obligation of the regional or state fair committee. No student is deprived of the opportunity to participate in ISEF because of lack of funds. The annual State Science Fair recognizes outstanding accomplishments of young people, and sponsors two meritorious youth for further competition at the ISEF.

Minnesota Junior Academy programs strive to promote the study of the sciences, mathematics, engineering, and emphasizes the interrelationship of scientific endeavor and the humanities.

The programs are designed to supplement the educational background of participants by providing special opportunities in these areas. The Minnesota Junior Academy of Science (MJAS) utilizes the talent pool of its senior membership as judges, speakers and forum leaders for local, regional and state science fairs and symposiums. Many companies provide tours of research facilities speakers and judging assistance during Junion Academy youth programs.

The activities of the MJAS are not limited to science fair programs. The Academy maintains an active visiting scientist program providing curriculum enrichment to the schools. A student newsletter - *Spectrum* - is regularly published and distributed to Minnesota students in each of the state science clubs. Student officers of the Junior Academy are elected to represent science club membership from eight MJAS regions. Officers meet during the year, provide input for youth programs, assist in the operation of fairs and symposiums, and contribute articles for publication in the student newsletter.

The MJAS Director administers the youth research paper program. At the regional "Fall Symposium" students from North and South Dakota and Minnesota present research papers and participate in a three day educational conference dealing with a current science topic. Each program selected as part of the North Central Regional Junior Science & Humanities Symposium reflects the interrelationship of the disciplines. Students present original research findings in a formal paper presentation format. The top paper presentor is chosen after review by several judges. Each student presents his research orally in two separate sessions involving judges, teachers and peers. The winning paper presentor and four other meritorious students advance to the National Junior Science and Humanities Symposium held annually and sponsored by the United States Army Office of Research in Durham, North Carolina. Last year five students from the midwest attended the week-long symposium at the U.S. Military Academy, West Point, New York. At this national symposium one student was selected to represent the United States at the International Symposium held in London, England.

Minnesota has always been well represented at international youth science programs, due to substantial financial support from local industry within each of the state's regions.

Northern Regional Science Fair

Bagley Lions Club
Bemidji Pharmaceutical Assoc.
Bemidji Board of Realtors
Bemidji Rotary Club
Bemidji Lions Club
Nelson Poultry Company - Bagley
Peoples Natural Gas Company
Otter Trail Power Company
Minnesota Soc. of Professional Engineers
Blandin Foundation - Grand Rapids
Nuply Corporation
Bell Telephone Company
Lakehead Pipeline Company

Bemidji State University Foundation
Bemidji State University Association
Ralph Gracie American Legion Post
American Legion Auxiliary
Graser, Mr. & Mrs. Sid. - Bagley

Southeast Science Fair

Winona Business - Winona
Winona State University
Northfield Business - Northfield
Saint Olaf College - Northfield
Carleton College - Northfield
The Johnson Company - Waseca
I.B.M. Corporation - Rochester
Mayo Foundation - Rochester
Sigma XI, Mayo Foundation Chapter
Rochester Community College
S.E. Minnesota Science Teachers' Assoc.
Olmsted Medical & Surgical Group
Rochester Banks

Southwest Regional Science Fair

A.F. Scheppman & Son Construction - Okabena
 American State Bank - Olivia
 Armour - Worthington
 Bendix Homes - Worthington
 Bishop Clothing - Worthington
 Caldwell Packing Co. - Windom
 Citizen State Bank - Fulda
 Coop Agriculture Center - Lakefield
 Cottonwood Veterinary Clinic - Windom
 Davis Typewriter - Worthington
 DeKalb of Redwood Falls - Jackson
 Equipment Erectors - Windom
 Farmers and Merchants State Bank - Alpha
 Farmers Cooperative Association - Jackson
 Farmer's State Bank - Mountain Lake
 Farmer's State Bank - Round Lake
 Federated Rural Electric - Jackson
 Finley Engineering Co. - Slayton
 First State Bank - Lakefield
 First State Bank - Okabena
 First State Bank of Storden
 First National Bank - Jackson
 First National Bank - Windom
 First National Bank - Worthington
 First National Bank of Luverne
 Gordy's Super Valu - Worthington
 Greeley Gas Co. - Lakefield
 Hardwick State Bank - Hardwick
 Hasara Funeral Home - Lakefield
 Heron Lake State Bank
 Hugo Schulz, Inc. - Lakefield
 Jackson County Park Producers
 Jackson Veterinary Clinic - Jackson
 Kenneth State Bank - Kenneth
 Kimberly Clark Corporation - Windom
 Lakefield Business Mens' Association
 Lein Electric - Worthington
 McLaughlin & Shulz - Marshall
 Magnetic Peripherals - Redwood Falls
 Northwestern National Bank - Slayton
 PPG Industries - Marshall
 People's Natural Gas - Jackson
 People's State Bank - Slayton
 Pfizer Genetics - Olivia
 Pipestone Bituminous Corp. - Pipestone
 Rogers Hydraulic - Granite Falls
 Rickbeil's - Worthington
 Rupp Construction Co. - Slayton
 Sailor Equipment Co. - Adrian
 Sather's Cookie Co. - Round Lake
 Sperry-Univac - Jackson
 State Bank of Jeffers - Jeffers
 State Bank of Lismore
 Super Valu Store - Slayton

South Central Science Fair

Archer-Daniels-Midland Company
 Bessler, William
 Carney & Associates, Inc.
 Citizens Bank of New Ulm
 Continental Can Company
 Dotson Company
 First Federal Savings & Loan, Mankato
 Frey, John
 Grams, David
 Holden, John

Honeymead Products Company
 Hubbard Milling Company
 Jaycees of Mankato
 Johnson Reels
 Jones Metal Products
 Kato Engineering Company
 Katolight Corporation
 Kato Sanitation
 Kiwanis Club of Mankato
 Mankato Corporation
 Mankato Citizens Telephone Company
 Mankato Free Press
 Mankato State University
 Mid-tex Aemco Division, Inc.
 Minnesota Gas Company
 National Bank of Commerce, Mankato
 Northern States Power Company
 Security State Bank of Mankato
 Sigma Xi Science Honorary

Twin Cities Regional & State Science Fairs

American Chemical Society, Minnesota Chapter
 Bayport Foundation
 Cargill Foundation
 Chem/Serv., Inc.
 Duluth Mesabi and Iron Range Railway
 Erie Mining Company
 Ford Motor Company
 H.B. Fuller Company
 General Mills Foundation
 Gillette Company
 Gould, Inc.
 Green Giant Company
 Honeywell, Inc.
 International Business Machines
 International Multifoods Corp.
 Minnesota Gas Company
 Minnesota Mining and Manufacturing Company
 Minnesota Mutual life Insurance Company
 Northern States Power Company
 Northern Natural Gas Company
 Northwestern Bell Telephone Co.
 Northwestern National Life Insurance Company
 Ottertail Power Company
 Lewis and Annie F. Paper Foundation
 Peavey Company
 Pentair Industries, Inc.
 Sperry Univac - Rand Foundation

Northeast Regional Science Fair

Carr T.V. & Appliances - Two Harbors
 DeLarosby Realty Co. - Cloquet
 Duluth Herald & News Tribune
 Galbreath Agency - Silver Bay
 General Deisel & Equipment, Inc. - Silver Bay
 Gopher Chiropactic Clinic - Duluth
 Johnson, Wayne - Silver Bay
 L & M Radiator, Inc. - Hibbing
 Land O Lakes, Inc. - Minneapolis
 Lutheran Brotherhood - Silver Bay
 Mathisen Tire Co. - Duluth
 Metl's T.V. & Audio, Inc. - Duluth
 Minnesota Power & Light Company - Duluth
 Piper-Jaffry & Hopwood - Duluth
 Reserve Mining Company - Silver Bay
 Zalk-Josephs Co. - Duluth