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Minnesotas Talented Young Scientists Compete In Cleveland Fair

Sixteen high school students represented Minnesota at the 28th International Science and Engineering fair held last May in Cleveland, Ohio. This talented group of young people, all winners of regional or state science fair programs, attained many awards and honors during this international event. Some were able to gain top honors in their project categories, others were recipients of trips to London and Cape Kennedy and summer employment with governmental and professional organizations. The group enjoyed tours to research, historical and cultural sites in and around the Cleveland Zoological Garden, the Museum of Natural History and the medical school of Chase Western University, just to name a few. Students listened to noted scientists such as Nobel Prize Winner Dr. Glenn Seaborg discussing his research with transuranium elements. It was a fun educational experience which these young people will surely be talking about for years to come. Many of them are now busily working to improve and expand the scope of their research projects so that they may enter competition again this spring, hoping to achieve one of sixteen all expenses paid trips to the 29th ISEF this May in Anaheim, California.

Last year's group of students represented hundreds of schools from the far corners of Minnesota. This heterogenous group included boys and girls from city and rural areas, from large and small high schools, from public and private schools at various grade levels. These young science enthusiasts were good ambassadors for the Junior Academy of Science and the State of Minnesota. The Board of Directors of the Minnesota Academy of Science, on behalf of the senior academy membership, would like to express its congratulations to these 1977 regional and state winners.

From the 24th Northern Minnesota Regional Fair:

Sondra Severson, a junior at Hallock H.S., Hallock, Minnesota presented a project in the field of Medicine and Health titled "Effects of Dieldrin on Chickens".

Yvonne Harmon, a junior at Bagley H.S., Bagley, Minnesota presented a project in the field of Medicine and Health titled "Physiology and Behavior of White Mice as Affected by Caffeine".

From the 28th Western Minnesota Regional Fair:

Douglas Vakoch, a sophomore at Ada H.S., Ada, Minnesota presented a project in the field of Earth and Space Science titled "Possible Pictorial Messages for Communication with Extraterrestrial Intelligences".

David Mohn, a senior at Moorhead Senior H.S., Moorhead, Minnesota presented a project in the field of Physics titled "Speech Analysis".

From the 24th Northeastern Minnesota Regional Fair:

Margaret Arola, a junior at William Kelley H.S., Silver Bay, Minnesota presented a project in the field of Behavioral and Social Sciences titled "Operant Conditioning of Three Cardiovascular Responses During and After Familiar Auditory Stimulus".

Judy Kromer, a junior at William Kelley H.S., Silver Bay, Minnesota presented a project in the field of Botany titled "Do Vitamins Affect Seed Germination and Plant Growth?"

From the 39th Twin Cities Regional Science Fair:

Joseph Rabatin, a freshman at Benilde - St. Margaret's H.S., Minneapolis, Minnesota presented a project in the field of Medicine and Health titled "Chronobiology: A Study of Body Rhythms".

Charles Clevenger, a junior at Mound Westonka H.S., Mound, Minnesota presented a project in the field of Microbiology titled "Freshwater Microbial Degradation of Oil".

From the 1st Southwestern Minnesota Regional Science Fair:

Wayne Reckard, a junior at Lakefield H.S., Lakefield, Minnesota presented a project in the field of Physics titled "Heat Treatment Influences Solar Cell Output".

Bruce Dingeman, a sophomore at Lakefield H.S., Lakefield, Minnesota presented a project in the field of Medicine and Health titled "Evaluating the Effects of Atmosphere on Surgical Cuts".

From the 26th South Central Minnesota Science and Engineering Fair:

Jo Ann Kelly, a junior at Good Counsel Academy, Mankato, Minnesota presented a project in the field of Botany titled "Antagonism of Companionship in Germinating Seeds".

Meena Subbiah, a sophomore at Blue Earth H.S., Blue Earth, Minnesota presented a project in the field of Microbiology titled "Growth Factors of Zygosporangium Formation in *Hizopus stolonifer*".

From the 24th Southeastern Minnesota Regional Science Fair:

James Bowie, a senior at Mayo Senior H.S., Rochester, Minnesota presented a project in the field of Biochemistry titled "Further Analysis of Two Synthetic Substrates for Thrombin".

John Hayes, a senior at Preston-Fountain H.S., Preston, Minnesota presented a project in the field of Chemistry titled "Cyclic Systems: A New Self-Oscillating, Auto-Catalytic System".

From the 40th Minnesota State Science Fair and Research Paper Program:

Eric Anderholm, a sophomore at John Marshall H.S., Rochester, Minnesota presented a project in the field of Mathematics and Computers titled "EJA-1: A Micro-Computer".

Linda McDonald, a senior at Mounds View H.S., St. Paul, Minnesota presented a project in the field of Microbiology titled "Pathogenic Larval Trematodes Associated with Lenticular Cysts in *Lepomis macrochirus*".