

**ELKS LODGE NO. 1216**

Walsh County Record

Rotary Club of Mandan

The Kiwanis Club of Minot

Valley City Times Record

ARCHBOLD • BUCKEYE

**The Cleveland Press**

East Central State College

Durant Daily Democrat

Central State College

**THE UNIVERSITY OF OKLAHOMA**

OKLAHOMA CITY TIMES

Southwestern State College

CALL-CHRONICLE NEWSPAPERS

**Intelligencer Journal**

Bucknell University

The Philadelphia Inquirer

The Providence Journal-Bulletin

THE CHARLESTON EVENING POST - The News and Courier

The State - The Columbia Record

The Greenville News - PIEDMONT

SOUTH DAKOTA STATE COLLEGE

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

WNAX-570 KVTV

The Chattanooga Times

**TENNESSEE POLYTECHNIC INSTITUTE**

The Knoxville News-Sentinel

Memphis ~~Press~~ Schmitt

Nashville ~~Banner~~

The Abilene Reporter-News

SUL ROSS STATE COLLEGE

THE UNIVERSITY OF TEXAS

The ~~San Antonio~~ Caller-Times

District V - Denton, Texas, Service Clubs

The Fort Worth Press

Texas Academy of Science

San Angelo Public Schools

The ~~Waco~~ Daily Reformer

Arlington County Science Fair Association

MARTINSVILLE BULLETIN

Daily ~~Roanoke~~ Press NEWPORT NEWS TIMES-HERALD

THE ROANOKE TIMES - The Roanoke World-News

The Inland Empire Science Fair Association

THE TACOMA NEWS TRIBUNE

SUNSET NEWS - Bluefield Daily Telegraph

MORRIS HARVEY COLLEGE

MARSHALL COLLEGE

The Charleston Gazette

SALEM COLLEGE

THE MILWAUKEE JOURNAL

The National Science Fair is composed of science exhibits, made by individual boys and girls from any of the last three years of public, private and parochial schools, and judged to be the best shown in local or regional fairs. These fairs are sponsored by newspapers, educational, scientific and civic groups, and industry.

The National Science Fair is a dual competition; exhibits by boys are judged separately from those made by girls. Each Finalist receives the engraved rainbow-ribboned solid gold and silver medal. Additional awards, in the form of scientific equipment of their own selection, are made to four 1st, four 2nd, four 3rd and up to 25% 4th place selections each valued at \$125.00, \$75.00, \$50.00 and \$25.00 respectively, for a total of more than \$2,500.00.

110 Fairs  
- 3  
+ 42



# SEVENTH NATIONAL SCIENCE FAIR

Conducted by  
**Science Clubs of America**  
(A Science Service Activity)

in Cooperation with  
**110 Affiliated Science Fairs**

# CATALOG OF EXHIBITS

**Municipal Auditorium**  
**Oklahoma City, Oklahoma**  
**May 10 - 12, 1956**





164. Meet the Robot, MX-I  
James Frank Moore (15) - Tyndall High School, Tyndall, South Dakota  
Second Annual University of South Dakota Science Day  
and Fair, Vermillion, South Dakota  
University of South Dakota - WNAX-570 KTV
165. Methods of Preventing Erosion  
\*Alice Ann Frazier (17) - St. Mary's School, Sewanee, Tennessee
166. Methods of Application of Solar Energy  
Robert F. Hayward (17) - Notre Dame High School, Chattanooga, Tennessee  
Fourth Annual Chattanooga Regional Science Fair, Chattanooga, Tennessee  
The Chattanooga Times - University of Chattanooga
167. Electronic Organ  
Thomas Wilmer Holland (17) - Central High School, Cookeville, Tennessee  
Second Annual Cumberland Plateau Regional Science Fair, Cookeville, Tenn.  
Tennessee Polytechnic Institute - Cookeville Rotary Club
168. Water Molds of Knox County  
\*Nancy Ann Armstrong (18) - Young High School, Knoxville, Tennessee
169. Determining the Duration of Auditory Impression  
John E. Lord (17) - East High School, Knoxville, Tennessee  
Fourth Annual Southern Appalachian Science Fair, Knoxville, Tennessee  
The Knoxville News-Sentinel - The University of Tennessee
170. Metamorphic Development of the Frog  
Henry Warner Bowden (17) - Mabel C. Williams High School, Germantown, Tenn.
171. Three-Dimensional Periodic Chart  
\*Corrie Evon Simmons (17) - Mabel C. Williams High School, Germantown, Tenn.  
Second Annual Memphis-Shelby County Science Fair, Memphis, Tennessee  
Memphis Civitan Club
172. Effect of Force Feeding on Irradiated Rats  
\*Polly Vance Akin (18) - Harpeth Hall School, Nashville, Tennessee
173. Wild Flowers  
\*Diane Clifton (17) - Goodlettsville High School, Goodlettsville, Tennessee  
Fourth Annual Middle Tennessee Science Fair, Nashville, Tennessee  
Nashville Banner - Vanderbilt University
174. Astronomical Refracting Telescope  
Jerald Dana Lee (17) - Abilene Senior High School, Abilene, Texas
175. The Anatomy of the Human Body  
\*Elizabeth Nan Rich (17) - Abilene Senior High School, Abilene, Texas  
First Annual Oil Belt Science Fair, Abilene, Texas  
Hardin-Simmons University - Abilene Reporter News
176. The Keystone Ellenburger Oil Field  
\*Judith Kay Powers (16) - Kermit High School, Kermit, Texas
177. Gas Turbine  
Robert E. Lee Witholder, Jr. (17) - Austin High School, El Paso, Texas  
First Annual District VI Texas Science Fair, Alpine, Texas  
Dunamis Science Club for Teachers - Sul Ross State College
178. Separating the Cations Used in Alloys and Steels by Paper Chromatography  
John Douglas Reichert (17) - Stephen F. Austin High School, Austin, Texas
179. How Injurious is Tobacco?  
Nelson Louis Schiller (16) - Stephen F. Austin High School, Austin, Texas  
First Annual Austin Science Fair of Texas, Austin, Texas  
University of Texas - The Travis County Women's Medical Auxiliary
180. Remote Controlled Cybernetics Machine  
William Green Hanshaw (17) - Raymondville High School, Raymondville, Texas
181. Shells of Micronesia  
John A. Phillips (17) - Henrietta M. King High School, Kingsville, Texas  
First Annual South Texas Science Fair, Corpus Christi, Texas  
The Corpus Christi Caller-Times
182. The Effect of Dietary Protein on the Skeletal Maturation and Growth of Rats  
Jim Barber (17) - Denton Senior High School, Denton, Texas
183. Chromatographic Analysis  
Doyle Jay Kelley (15) - Denton Senior High School, Denton, Texas  
First Annual District V Science Fair of Texas, Denton, Texas  
District V TSTA - Denton, Texas Service Clubs
184. The Effect of Light on the Growth of Bacteria  
Robert Edward Huddleston (17) - Arlington Heights High School, Fort Worth, Texas
185. Solar Heat Turbine  
Robert Glen Musgrove (18) - Polytechnic High School, Fort Worth, Texas  
Fort Worth Press - Civitan Handicraft Exposition  
Science Division, Fort Worth, Texas  
The Fort Worth Press - Fort Worth Civitan Club
186. The Theremin in Hi-Fi  
Robert Alfred Beeley (18) - Kinkaid Preparatory School, Houston, Texas
187. Neoplasia in Parakeets  
Joe York Thomas (15) - La Porte High School, La Porte, Texas  
First Annual District I Science Fair of Texas, Galveston, Texas  
Texas Academy of Science
188. Electric Generation by Steam Power  
Harry Branson (18) - San Angelo High School, San Angelo, Texas  
First Annual District XI Science Fair of Texas, San Angelo, Texas  
San Angelo College - San Angelo Board of City Development
189. Solenoids That Can Think  
Alfred L. Dunklee (17) - Brattleboro High School, Brattleboro, Vermont
190. High Speed Electronic Counting and Adding Machine  
Frederick Albert Jancewicz (16) - Bellows Falls High School, Bellows Falls, Vt.  
Sixth Annual Vermont State Science Fair, North Bennington, Vermont  
Vermont State Science Committee - Brattleboro Reformer
191. Experimental Diabetes  
Ralph C. Dougherty (16) - Washington-Lee High School, Arlington, Virginia
192. The Turing Computer  
Lynn Carl Liebschutz (17) - Wakefield High School, Arlington, Virginia  
Third Annual Arlington County Science Fair, Arlington, Virginia  
Washington Academy of Sciences and Its Affiliated Scientific Societies  
District Council of Architectural and Engineering Societies
193. Analog Computer  
David Lee Atkins (18) - Halifax County High School, South Boston, Virginia
194. Research on Ion Flow  
John Harvie Chaffin, III (18) - Martinsville High School, Martinsville, Virginia  
Sixth Annual Martinsville Area Science Fair, Martinsville, Virginia  
Martinsville Bulletin
195. The Firefly and the Chemical Nature of Its Bioluminescence  
Leland N. Edmunds, Jr. (17) - Newport News High School, Newport News, Va.