SCIENCE SERVICE COLOR SLIDE SERIES - SET VII

Note: This set augments Sets I, II, III, IV, and V.
It is not a substitute for any of the previous sets.

THE 1960 NATIONAL SCIENCE FAIR

To the Lecturer: To time yourself, it is recommended that you read this lecture aloud, perhaps several times, before presenting it to an audience. For a short lecture, you may omit the data which are single spaced. If you plan to include in your lecture the specific data from single spaced paragraphs, it is suggested that you ad lib occasionally, to relieve possible monotony in these sections.

Time - 15 minutes, without single spaced paragraphs.
32 minutes, single spaced paragraphs included.

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Spectacular almost beyond belief is the growth of science fairs throughout the United States. Although Science Service, through its Science Clubs of America, encouraged the development of science fairs prior to 1950, the major impetus took place with the launching of a National Science Fair in 1950.

At that time there were thirteen regional and state fairs which sent 30 student finalists to the National event. Ten years later there were 193 fairs which were represented by 356 finalists. Some came from foreign lands, hence the name National Science Fair-International.

In 1960, nearly three quarters of a million students made exhibits to show at science fairs leading to the National. More than three million people saw these exhibits. On the average, each finalist represented 2,080 other exhibitors. Thus, it is quite an honor to become a National Science Fair finalist.

But winning is not the major goal of science fairs. The ability of a student to assign a challenge to himself or herself, the planning toward the solution of this challenge, the satisfaction of completion, and the acceptance and recognition which follow, become measures of success.

Truly, young students, seeking new worlds to explore, are finding excitement and enrichment from developing projects of their own.

Thousands of adults encourage students to strive toward these goals. These adults dedicate their time, energy and even financial support to science fairs. That their efforts are not in vain is evidenced by the success of their fairs and by the fact that national scientific and industrial groups, and governmental agencies, are recognizing this fine work which is taking place at all age levels.

Let us now look at the projects of 30 finalists selected from 356 sophomore, junior and senior secondary school students, who were honored at the 11th National Science Fair-International held in Indianapolis, Indiana, in May, 1960. These selections are based on the ratio of boys to girls in the national competition. They are prorated, too, on the basis of the number of projects which were exhibited in each of ten fields of specialty.

1. STUDIES OF DNA AND MUTANTS OF THE MOLD NEUROSPORA -- This student developed a new method for extraction of DNA (deoxyribonucleic acid) from neurospora - one of the fungi more commonly known as the bread molds. He also shows the methods used to induce biochemical transformations in neurospora. DNA is the chemical found in the heriditary-carrying chromosomes in the nucleus of a cell.

Exhibit made by:	Robert Herman Baum, 18, senior, Melbourne High School, Melbourne, Florida
Career choice:	Biochemistry-genetics
Finalist from:	Florida State Science Fair, Melbourne, Florida
Sponsored by:	The Florida Foundation for Future Scientists
NSF-I Honors:	Second Award, Biological Sciences Honorable Mention, Society of American Bacteriologists

2. MUTATIONS IN GERMAN MILLET INDUCED BY GAMMA RADIATION -- Three years of experiment and study went into this exhibit. First inspired by a visit to the Argonne National Laboratory, this student induced two mutations in the third generation of German millet. He also obtained the giant mutation shown at the right. Both he and his older

sister were finalists at the National Science Fair-International for two years in succession.

Exhibit made by:	Wayne Lee Settle, 17, junior, Portland-Wayne Township High School, Portland, Indiana
Career choice:	Science
Finalist from:	East Central Indiana Regional Science Fair, Muncie, Indiana
Sponsored by:	Eli Lilly and Company, Indianapolis - Ball State Teachers College
NSF-I Honors:	Third Award, Biological Sciences Also NSF Finalist, 1959

3. NATURE'S COLOR CARPET -- This finalist's project deals quantitatively with the isolation, and qualitatively with the many uses of dyes made from flowers, roots, barks, leaves and husks of plants native to her area. The topic of her exhibit was inspired by her research on the wool industry for a Home Arts term report.

Project made by:	Mavis Ilene Atkinson, 18, senior, Watchung Hills Regional High School, Plainfield, New Jersey
Career choice:	Home economics or textile research
Finalist from:	Central New Jersey Science Fair, New Brunswick, New Jersey
Sponsored by:	College of Engineering, Rutgers-The State University
NSF-I Honors:	First Award, Physical Sciences

4. BIOCHEMICAL REACTIONS OF PARAMECIUM ORGANELLES -- In this exhibit, dealing with the biochemical reactions of Paramecium organelles, the student demonstrates his methods of collecting data to support a hypothesis, and then presents the results.

Exhibit made by:	Jonathan Seville Bragdon, 15, sophomore, Henry C. Conrad Senior High School, Wilmington, Delaware
Career choice:	College teaching
Finalist from:	Delaware State Science Fair, Wilmington, Delaware
Sponsored by:	Industrial and Professional Organizations of Delaware - News-Journal Company
NSF-I Honors:	Fourth Award, Biological Sciences

5. CHROMOSOME STUDIES OF CULEX QUINQUEFASCIATUS -- Making her own dissecting tools for her project and her own photos for the fair exhibit, this finalist shows the chromosome complement of one

species of mosquito. A ninth grade science teacher sparked her first interest toward science. A high school biology teacher encouraged this study.

Exhibit made by: Martha Catherine Moon, 17, senior, San Angelo Central High School, San Angelo, Texas
Career choice: Medicine
Finalist from: District XI Texas Science Fair, Brownwood, Texas
Sponsored by: Howard Payne College
NSF-I Honors: Fourth Award, Biological Sciences

6. INTERESTING VARIATIONS OF THE CYNTHIA SILK MOTH -- Moths flying through the window of a London home so aroused the interest of a six-year-old resident that he collected and classified various types. The Cynthia moth became his favorite. Ten years later this same student prepared this exhibit to show various cross-breeds of this silk moth. He did this to produce interesting hybrids - and to improve the quality of the silk obtainable from the cocoons.

Exhibit made by: Gary N. A. Botting, 16, Peterborough Collegiate and Vocational School, Peterborough, Ontario, Canada
Career choice: Missionary
Finalist from: Ontario Science Fair, Toronto, Ontario, Canada
Sponsored by: Rotary Club of Swansea - The Telegram, Toronto
NSF-I Honors: First Award, Biological Sciences
First Award, American Institute of Biological Sciences

7. HATCHABILITY BY GERMINAL DISC OBSERVATION -- Discussions with her father, who is a general manager of a poultry farm, induced this student to develop the project shown here. It establishes that the hatchability of unincubated eggs may be determined by a macroscopic examination of the germinal disc.

Exhibit made by: Joan Wallace, 15, sophomore, Roosevelt High School, Des Moines, Iowa
Career choice: Linguistics
Finalist from: Haweye Science Fair, Des Moines, Iowa
Sponsored by: Drake University - Iowa State Medical Society - Register and Tribune
NSF-I Honors: Second Award, Biological Sciences

8. AVIAN AIR SACS -- Inspired by an article on avian air sacs, this student set out to study them. Through the use of the rubber mold

technique he shows the details of the respiratory system of pigeons.

Exhibit made by: Murray P. Hamlet, 17, senior, Valley City High School, Valley City, North Dakota
Career choice: Undecided
Finalist from: Valley City District Science Fair, Valley City, North Dakota
Sponsored by: Valley City Sponsors
NSF-I Honors: Second Award, Biological Sciences

9. EFFECT OF RADIATION ON CHICK EMBRYOS -- When this student was twelve years old, she caught a pair of polyphemus moths and raised them through three generations. This marked the beginning of her active interest in science. Her exhibit here evaluates the effects of radiation on the development of the chick embryo.

Exhibit made by: Brenda Wright Lisle, 16, junior, Red Bank High School, Chattanooga, Tennessee
Career choice: Medical technology
Finalist from: Chattanooga Regional Science Fair, Chattanooga, Tennessee
Sponsored by: The Chattanooga Times - University of Chattanooga
NSF-I Honors: First Award, American Medical Association

10. CHEMICAL REACTIONS IN SILICIC ACID GEL -- Each test tube here contains silicic acid gel. The color bands show the differential diffusion of ions through the gel. The addition of various chemicals influences the diffusion rate to produce a gel which allows optimum diffusion.

Exhibit made by: Eldred Houck Wiser, 17, junior, Central High School, Murfreesboro, Tennessee
Career choice: Science
Finalist from: Middle Tennessee Science Fair, Nashville, Tennessee
Sponsored by: Vanderbilt University - Nashville Banner
NSF-I Honors: Second Award, Physical Sciences

11. SYSTEMATIC QUANTITATIVE ANALYSIS OF METAL IONS BY TITRATION -- This finalist was one of two selected from 20,000 exhibitors in the Japan Science Fair, a nation-wide program operating like the National Science Fair-International. She evaluates the accuracy of a new separation method for systematic titration analysis in organic

chemistry. In Japan, every major educational institution participates actively in science fairs.

Exhibit made by: Junko Sugimori, 18, senior, Asien High School, Sakaishi, Osakafu, Japan
Career choice: Chemistry
Finalist from: Japan Student Science Awards and Science Fair, Tokyo, Japan
Sponsored by: National Council for Advancement of Scientific Education - The Yomiuri Shimbun
NSF-I Honors: Second Award, Physical Sciences
First Alternate Award, American Chemical Society

12. CARBON-14 COUNTER -- An everyday question for most of us is, "What's new?" Archaeologists on the other hand are continually concerned with "What's old, and how old is it?" This finalist illustrates in his project the Carbon-14 dating technique used to determine the age of organic samples.

Exhibit made by: Omer Lee Burnett, Jr., 16, junior, Sylacauga High School, Sylacauga, Alabama
Career choice: Medicine or nuclear physics
Finalist from: Northeastern Alabama Regional Science Fair, Jacksonville, Alabama
Sponsored by: Jacksonville State College
NSF-I Honors: Fourth Award, Physical Sciences

13. A ROOT GROWTH FACTOR FROM SEEDLINGS -- A high school biology teacher induced this student to work on the isolation of an antibiotic substance. After this, a summer biology program in college intrigued her with the problems of propagating a hybrid oak. This background led her to isolate a naturally occurring growth factor from seedlings. It stimulates the development of adventitious roots on cuttings of pinto beans.

Exhibit made by: Susan Brown, 16, senior, Stephen F. Austin High School, Austin, Texas
Career choice: Research in organic chemistry or biochemistry
Finalist from: Austin Area Science Fair, Texas District X - Southern Division, Austin, Texas
Sponsored by: Travis County Unit Medical Auxiliary
NSF-I Honors: First Award, Biological Sciences
Award, American Institute of Biological Sciences

14. ADVANCED RESEARCH TO DISCOVER THE BIOCHEMICAL ROLE OF RADIOACTIVE TESTOSTERONE IN RED CELL FORMATION -- Here we see the work of this finalist in tracing the effect of radioactive testosterone upon the formation of red blood cells in male rats.

Exhibit made by: Martin J. Murphy, Jr., 17, senior, Abbey School, Canon City, Colorado
Career choice: Medical research
Finalist from: Pueblo College Regional Science Fair, Pueblo, Colorado
Sponsored by: Pueblo Chamber of Commerce - Pueblo Rotary Club - Pueblo Star-Journal
NSF-I Honors: Fourth Award, Biological Sciences
Alternate Award, American Chemical Society
Fourth Award, Biological Sciences, 1959
American Medical Association Award, 1959

15. EXPLOSIVE FORMING OF METALS -- In preparing her project on the explosive forming of metals, this student compiled all available material on the subject. Her exhibit also deals with the applicability of this technique to problems of the space age, and ways in which it may revolutionize metal treatment. Her father taught her how to use tools. She made the dies and explosively formed the samples shown. She has won a first award in every science fair since she was in the 6th grade, a top award in the 9th, and a university scholarship in the 12th grade.

Exhibit made by: Diana Lee Maxwell, 17, senior, Jennings Senior High School, Jennings, Missouri
Career choice: Biology, genetics
Finalist from: Greater St. Louis Science Fair, St. Louis, Missouri
Sponsored by: St. Louis Post-Dispatch
NSF-I Honors: Fourth Award, Physical Sciences

16. ASTROPHOTOGRAPHY -- A gift of a telescope induced this student to attempt to map the heavens. Here he explains the principles of interpreting astrophotographs, and shows the techniques for photographing stars, planets, and nebulae.

Exhibit made by: Roman Stuart Ohnemus, 17, junior, Leon High School, Tallahassee, Florida
Career choice: Astronomy
Finalist from: Big Bend Science Fair, Tallahassee, Florida

Sponsored by: Television Station WCTV - Tallahassee Democrat - Leon County Education System - City of Tallahassee - Area Businesses - Interested Individuals
NSF-I Honors: Fourth Award, Physical Sciences
National Award, U. S. Navy Science Cruiser

17. SNOW CRYSTAL RESEARCH -- A physician who works actively with scientifically-minded teen-agers inspired this project. It deals with the effects of pressure, temperature, and humidity on snowflake formation. The exhibit includes chemical crystal snowflake models of her own construction, and compares them with actual snowflakes which this finalist collected and preserved.

Exhibit made by: Barbara Jane Dymond, 16, junior, Benton Township High School, Fleetville, Pennsylvania
Career choice: Research or home economics
Finalist from: Northeastern Pennsylvania Science Fair, Scranton, Pennsylvania
Sponsored by: University of Scranton
NSF-I Honors: Fourth Award, Physical Sciences
U. S. Air Force Meteorology Award

18. PRACTICAL PARAMETRIC AMPLIFIER -- At the age of eight this student already had built his own radio receiving set. This exhibit shows his work now. It is a parametric amplifier not unlike those which enabled scientists recently to track the signals of an Explorer rocket 200,000 (two hundred thousand) miles into space. Often called the "space-age hearing aid," it can extend the range of radio telescopes and similar instruments.

Exhibit made by: Ralph Lawrence Stenger, Jr., 18, senior, Central Catholic High School, Wheeling, West Virginia
Career choice: Physics
Finalist from: West Liberty State College Science Fair, West Liberty, West Virginia
Sponsored by: West Liberty State College - Wheeling Rotary International - Wheeling News Publishing Co.
NSF-I Honors: Fourth Award, Physical Sciences

19. ULTRA HIGH-FREQUENCY RADIOTELESCOPE - DESIGN AND CONSTRUCTION -- This student is a member of a science club, astronomy club and radio club. His project combines the interests of

all three. It is a research instrument for use in studies of stellar UHF radiation, a field not too widely known. It also is used in atmospheric noise studies in the UHF region, and for ionospheric and tropospheric scatter communications research.

Exhibit made by: Michael Lyddell Lowe, 16, senior, Dickinson High School, Dickinson, Texas
Career choice: Electronics research
Finalist from: Texas District I East Science Fair, Beaumont, Texas
Sponsored by: Lamar State College of Technology - Texas Academy of Science - Beaumont Chamber of Commerce
NSF-I Honors: U. S. Army Science Award

20. PROTON FREE PRECESSION MAGNETOMETRY -- This student clarified the principles of nuclear precession magnetometry. This technique gives a high degree of precision when measuring very weak magnetic fields, even those of the earth.

Exhibit made by: Donald Campbell Shapero, 18, senior, Cubberley Senior High School, Palo Alto, California
Career choice: Research physicist
Finalist from: San Francisco Bay Area Science Fair, San Francisco, California
Sponsored by: San Francisco Bay Area Science Fair Association
NSF-I Honors: Second Award, Physical Sciences
U. S. Army Science Award

21. ELECTRON SPIN RESONANCE -- A single visit to a research laboratory inspired this exhibit. Here the student demonstrates the phenomenon of electronic spin resonance, tells what it is, and how it is used. Essentially, electron spin resonance is the flipping over of the free electrons in various compounds by a special combination of magnetic fields.

Exhibit made by: Robert Slater Parkinson, 17, senior, Woodrow Wilson High School, Dallas, Texas
Career choice: Electronics research
Finalist from: Texas District V Science Fair - Eastern Division, Dallas, Texas
Sponsored by: Southern Methodist University - Dallas-Tarrant County Council of Scientific Societies
NSF-I Honors: Fourth Award, Physical Sciences

22. AUTOMATIC ELECTRONIC ENGLISH-TO-BRAILLE TRANSLATOR -- This student shows that it is possible to make a fairly simple electronic computer with which any English text, typed on a standard keyboard typewriter, will be translated into Braille. Various combinations of letters automatically are replaced by their Braille contractions.

Exhibit made by: David Crosby Milne, 16, senior, Will C. Crawford High School, San Diego, California
Career choice: Cybernetics research
Finalist from: Greater San Diego Science Fair, San Diego, California
Sponsored by: The San Diego Union
NSF-I Honors: Third Award, Physical Sciences
NSF Finalist, 1959
Also Honors Group, Science Talent Search for the Westinghouse Science Scholarships and Awards

23. MUTATIONAL ORIGIN OF BACTERIAL RESISTANCE TO ANTIBIOTICS -- This finalist earned six national honors in two trips to the National Science Fair-International. Her project adds some evidence to the study of the mutational origin of bacterial resistance to antibiotics. She assembled her own densitometer and borrowed much of her equipment.

Exhibit made by: Mary Sue Wilson, 16, junior, Malcolm Price Laboratory, Cedar Falls, Iowa
Career choice: Biochemistry
Finalist from: Northeast Iowa Science Fair, Cedar Falls, Iowa
Sponsored by: Iowa State Teachers College - Waterloo Daily Courier
NSF-I Honors: Fourth Award, Biological Sciences
Second Award, Society of American Bacteriologists
Certificate of Meritorious Achievement, American Dental Association
Fourth Award, Biological Sciences, 1959
Certificate of Superior Achievement, American Dental Association, 1959

24. THE CHEMOTHERAPY OF CANCER -- This exhibit is a presentation of three years of work by this student. It shows the inhibiting properties of certain diamine compounds upon the Ehrlich carcinoma - a malignant tumor.

Exhibit made by: Eugene Louis Diveglia, Jr., 17, senior, Central Dauphin High School, Harrisburg, Pennsylvania

Career choice: Biological research
Finalist from: Capital Area Science Fair, Harrisburg, Pennsylvania
Sponsored by: The Patriot & The Evening News
NSF-I Honors: Fourth Award, Biological Sciences
First Award, American Pharmaceutical Association

25. IDENTIFICATION OF AMINO-ACID PATTERNS IN THYROID TISSUE USING I^{131} -- This finalist demonstrates the possibilities of substituting blood plasma for thyroid tissue extract to obtain patterns for use in the diagnosis of thyroid disorders. By the use of gland extracts he also shows the identifying characteristics of radioactive amino-acid patterns in normal and pathogenic thyroid tissue. His first science interest was motivated by his teacher and by scientist friends of the family, including the space expert, Dr. Wernher von Braun. His exhibit was inspired by employment as a technician in a radioisotope laboratory.

Exhibit made by: David Berwick Vinson III, 16, junior, Mirabeau B. Lamar High School, Houston, Texas
Career choice: Biochemistry, biophysics, or medicine
Finalist from: Greater Houston Science Fair, Texas District I-West, Houston, Texas
Sponsored by: The Houston Post
NSF-I Honors: Fourth Award, Biological Sciences

26. CONQUERING PATHOGENIC STAPHYLOCOCCI -- After seeing an educational film on streptococcus, this student, whose favorite hobby is working in a clinic, decided to develop a project which outlines the techniques for the prevention of staphylococcus infection. She also presents the cures for infection from staphylococcus aureus and albus. Infection from these pathogenic organisms is frequent among small infants and weakened invalids.

Exhibit made by: Ann Shelton, 18, senior, Knox City High School, Knox City, Texas
Career choice: Scientific research or medical technology
Finalist from: Oilbelt Regional Science Fair, Texas District VII - North, Wichita Falls, Texas
Sponsored by: Midwestern University - Wichita Falls Public Schools
Wichita Record News
NSF-I Honors: Fourth Award, Biological Sciences

27. JUVENILE HORMONE IN LEPIDOPTERA AND CALF THYMUS - ITS ISOLATION AND BIOASSAYS -- This project discloses the possibility of isolating a juvenile hormone from the mammalian thymus gland or adrenal cortex. The exhibit presents the role of this hormone in mammalian physiology; and it examines the effects of the hormone on normal and leukemic mice. In addition, the student compares insect endocrinology with that of the vertebrates.

This student, born in China, was president of a Junior Academy of Science, is an Eagle Scout, an accomplished musician, is active in sports, a member of the Key Club, and has won numerous honors in science fairs.

Exhibit made by: David Hou-Cheung Chen, 18, senior, Bethesda-Chevy Chase High School, Bethesda, Maryland
Career choice: Medicine and biochemistry
Finalist from: Montgomery County Science Fair, Sandy Spring, Maryland
Sponsored by: Montgomery County Board of Education - Washington Junior Academy of Sciences - Joint Board on Science Education
NSF-I Honors: Second Award, Biological Sciences

28. EFFECT OF CULTURAL FILTRATE OF S. SCHENKI ON GROWTH AND CELL STRUCTURE OF RHABDOMYOSARCOMA FROM CE MICE IN VITRO -- This student showed the results and conclusions of experiments to establish the effect of a filtrate, obtained from a culture of Sporotrichum shenki, on the growth and cell structure of a cancer of the muscle (rhabdomyosarcoma). The cancer, obtained from CE mice, was grown in vitro.

Exhibit made by: William Robert Richerson, 18, senior, Arlington Heights High School, Fort Worth, Texas
Career choice: Marine biology
Finalist from: Fort Worth Regional Science Fair, Texas District V - Western Division, Forth Worth, Texas
Sponsored by: Fort Worth Business, Professional and Civic Organizations
NSF-I Honors: Fourth Award, Biological Sciences

29. A STUDY OF NATURAL FLUORIDATION AND ITS RELATION TO THE PALEO-ODONTOLOGY OF TWO PREHISTORIC AMERICAN INDIAN TRIBES -- While again reading her project report, which accompanied her National Science Fair entry of the previous year, this student observed a small statement which she wrote about fluoridation and dental health. This raised a question in her mind as to whether fluoride was instrumental in preventing caries in two extinct Indian tribes known to be virtually caries-free. Analysis of the waters, where these tribes once lived, shows that fluoride is present now and probably was long ago.

Exhibit made by: Sheila Marie Most, 15, junior, Boca Ciega Senior High School, Gulfport, Florida
Career choice: Paleo-odontology
Finalist from: Pinellas County Science Fair, St. Petersburg, Florida
Sponsored by: Pinellas County Board of Public Instruction - The St. Petersburg Times
NSF-I Honors: Fourth Award, Biological Sciences
Certificate of Superior Achievement, American Dental Association
Fourth Award, Biological Sciences, 1959
Certificate of Superior Achievement, American Dental Association, 1959

30. CONSTRUCTION AND INSERTION OF A PROSTHETIC TENDON -- An active athlete, actor, honored musician and science student, this finalist developed, constructed, and actually inserted his own design of a stainless steel prosthetic tendon. His experimental work was supervised by a veterinarian. He was especially concerned with modifying the means of the attachment of the artificial tendon to the bone and promoting its connection with the muscle.

Exhibit made by: Philip C. Bockman, 18, senior, Ottawa Hills High School, Grand Rapids, Michigan
Career choice: Medical research
Finalist from: Kent County Science Fair, Grand Rapids, Michigan
Sponsored by: Grand Rapids Press - Lear, Inc. - Grand Rapids Museum - Aquinas College - Calvin College - Grand Rapids Junior College
NSF-I Honors: First Award Citation, American Medical Association
U. S. Army Science Award

CLOSING STATEMENT:

All of us can feel justly proud of the students whose pictures you have seen, and proud, also, of the many people who inspired them with the challenge and brought them this far toward a career in science.

In addition to the thousands of dollars in "Wish Awards" made at the National Science Fair-International, many scientific and governmental groups send their own teams of judges to the National to evaluate exhibits in the specific areas of the special interests of each group. These special awards are made by: American Chemical Society; American Dental Association; American Institute of Biological Sciences; American Medical Association; American Pharmaceutical Association; American Veterinary Medical Association; Indiana Heart Association; Indiana Pest Control Operators Association; Society of American Bacteriologists; U. S. Air Force and Air Force Association; U. S. Army; and the U. S. Navy. New awards will be added in 1961.

The National Science Fair-International is one of the science youth programs of Science Service, the non-profit Institution for the Popularization of Science. The other two are -- Science Clubs of America, comprising more than 25,000 clubs -- and the Science Talent Search for the Westinghouse Science Scholarships and Awards. Information about any of these is available through our own Fair Director, our science teachers, or directly from Science Service.

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SCIENCE SERVICE COLOR SLIDE SERIES
(30 slides, 2"x2", and script - $6 per set)

SET I (1955) - A Visit to the National Science Fair.
This set introduces the subject. Pictures differ entirely from those in Sets II, III, IV, V, and VII, and for the most part the specific areas of student interest also differ.

SET II - The 1956 National Science Fair - Oklahoma City, Oklahoma
SET III - The 1957 National Science Fair - Los Angeles, California
SET IV - The 1958 National Science Fair - Flint, Michigan
SET V - The 1959 National Science Fair - Hartford, Connecticut

SET VI - The Science Talent Search - Winners of the 18th Science Talent Search enjoy five intensive days of scientific trips, discussions, judging sessions, and final presentation of the Westinghouse Science Scholarships and Awards.

SET VII - The 1960 National Science Fair-International - Indianapolis, Indiana

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