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# SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



**At Large, But in Sight**

See page 311

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YOU CAN BE SURE..IF IT'S Westinghouse



## “WATCHDOG” *for wayward current*

Mine explosions caused by short-circuit faults have been given a decided setback by this new electrical guardian recently developed by the Mines Equipment Company in conjunction with Westinghouse.

Now, lines carrying electrical power must pass through the “watchdog”—which consists of Westinghouse AB “De-ion” circuit breakers—before feeding to individual mining machinery. Then . . . if electricity fails at one of the cutters,

drills or loaders . . . or if cables or machine installations break down and become dangerous . . . this dependable “watchdog” notes the change in current and the AB breakers automatically trip to shut off the power.

Helping to prevent mine disasters with equipment like this is only one example of how Westinghouse engineers work constantly to solve the problems of industry in a practical manner . . . through the aid of research.

G-10023



**Westinghouse**  
PLANTS IN 25 CITIES . . . OFFICES EVERYWHERE

# SENIORS OF 1950

Start Now on YOUR SCIENTIFIC PROJECT

TO WIN in the *Ninth* ANNUAL

## *Science Talent Search*



Conducted by SCIENCE CLUBS OF AMERICA, a SCIENCE SERVICE activity and sponsored by the WESTINGHOUSE EDUCATIONAL FOUNDATION, an organization endowed by the WESTINGHOUSE ELECTRIC CORPORATION for the purpose of promoting education and science.

**You have a chance to share in  
FOURTEEN THOUSAND DOLLARS  
in WESTINGHOUSE SCIENCE  
SCHOLARSHIPS AND  
TRIPS TO WASHINGTON**

### *Start your project* **NOW**

- 1** Pick a subject that you can investigate at first-hand, preferably one about which you can do more than just read. Typical projects of Science Talent Search winners have been in such fields as Aeronautics, Agriculture, Astronomy, Botany, Chemistry, Electronics, Geology, Mathematics, Meteorology, Medical Sciences, Nutrition, Photography, Physics, Psychology, Radio, and Zoology.
- 2** Whatever your project may be—read about it. Learn what has already been done. It is often desirable to repeat previous experiments, but it should be done deliberately and for a purpose.
- 3** Write what you did, not merely what you read. Tell it in simple language; follow it through step by step. Then tell what you observed as a result of your experiments, and what conclusions you draw from these observations.
- 4** Fancy writing has no place in science. There has been great writing in the sciences but it is the greatness of strength and simplicity.

WRITE AN ESSAY of about 1,000 words on the subject, "MY SCIENTIFIC PROJECT." Your essay should tell what you are doing or plan to do in science in the way of experimentation or other research activity. It should be original and creative in character. Now, before the school year ends, is the time for high school seniors of 1950 to get started on science projects. With an early start you can plan a project, carry it through more carefully, write a better essay on it. Next December take an examination which tests your ability rather than your fund of information. Supply your school with information about yourself to be sent in with your essay and examination papers.

Do these three things and you may be among the forty boys and girls who will win all-expense trips to the Science Talent Institute and compete for scholarships for the continuation of your education. Of the forty, one will be selected as winner of the \$2,800 WESTINGHOUSE GRAND SCIENCE SCHOLARSHIP; another as winner of the \$2,000 WESTINGHOUSE GRAND SCIENCE SCHOLARSHIP; eight more of the forty boys and girls will be selected to receive WESTINGHOUSE SCHOLARSHIPS of \$400 each; and \$3,000 more in WESTINGHOUSE SCHOLARSHIPS will be awarded at the discretion of the judges. Every one of the forty boys and girls will, when in Washington, be awarded the GOLD EMBLEM OF SCIENCE CLUBS OF AMERICA.

## SEE YOUR SCIENCE TEACHER

or write SCIENCE CLUBS OF AMERICA, 1719 N Street, N. W., Washington 6, D. C.