

1973

Set Eastern Iowa Science Fair

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The following eight objectives indicate the scope and direction of the convention:

1. To describe the nature of the data available in state data banks on science teachers employed in the state.
2. To describe the information available concerning the parameters of science teacher supply in the states.
3. To describe ways of using data in improving science education in the states.
4. To describe the elements needed for the creation of a data-collecting and sharing network embracing all states.
5. To describe the elements currently available for constructing a comprehensive supply and demand picture of the current science teacher market.
6. To provide a learning experience for participants in data based policy formulation.
7. To familiarize state science supervisors with new directions for educational programs of the National Science Foundation.
8. To provide opportunities for state science supervisors to react/respond to NSF educational program changes.

Important Dates for Your Calendar:

March 2-3 - ISU - Short Courses
 March 10 - ISU Drive-In Workshop
 March 10 - Eastern Section of Iowa - Inservice Program for Science Teachers. Contact Mr. Elwood C. Garlock, 1700 C Avenue, Northwest, Cedar Rapids, for further information.
 March 10-April 3 - NSTA Convention in Detroit
 April 27-28 - Iowa Academy of Science at Grinnell. Dr. Leslie W. Trowbridge, President-Elect of NSTA will speak at the Friday 4:00 P.M. general session. Address: "Science Education Looks at Itself Through National Assessment."

DPI Staff Addition:

Mr. Duane Toomsen has been employed by the Department of Public Instruction to serve as Environmental Education Consultant. Duane's office address and telephone number are as follows:

Consultant, Environmental Education
 Division of Curriculum
 Department of Public Instruction
 Grimes State Office Building
 Des Moines, Iowa 50319

Telephone: 515 - 281-3264

HAPPENING THIS SUMMER

The Interdisciplinary Approaches to Chemistry (IAC) Summer Happening is scheduled to begin again June 25th. The National Science Foundation has announced the funding of a Summer Institute at the University of Maryland's Chemistry Department. The six-week program based on the new IAC Modules will feature a variety of lecture, laboratory, and discussion opportunities and will be open to chemistry teachers and supervisors from all areas of the country. A tuition-based section of the IAC Summer Course will also be available for interested persons who cannot be accommodated in the Institute.

For further information and an NSF application form, please write to:

Marjorie Gardner
 Chemistry Department
 University of Maryland
 College Park, Maryland 20742

SET EASTERN IOWA SCIENCE FAIR

Robert Ernst, member of the Kirkwood Community College science faculty and chairman of the project, has announced the 1973 Eastern Iowa Science Fair will be held March 31 and April 1 in Washington High School in Cedar Rapids. The 13 previous fairs were held at Coe College.

The fair previously included 13 counties but Ernst said that eight other counties have been added to the Eastern Iowa Science Fair area by the International Science and Engineering Fair. The added counties are Grundy, Marshall, Jasper, Marion, Monroe, Wapello, Jefferson and Henry.

Competition for cash and merchandise awards totaling about \$3,000 will be open to junior and senior high school students in both public and parochial schools, Ernst said. Senior high students also will be competing to enter the Eastern Iowa Science Fair at the international event next May in San Diego, Calif.

Ernst named John Wise, the Jaycee representative on the fair board, to head the solicitation committee. The fair is financed entirely by voluntary contributions, Ernst said.

Bernie Hayek, science teacher at Regis High School in Cedar Rapids and chairman of the school contacts committee, said that information packets about the fair, together with entry blanks, have been mailed to more than 250 schools.

HONORS GROUP WINNERS

Two high school students from Iowa have been selected by the 32nd Annual Science Talent Search. Craig J. Schaefer from Bettendorf and Gordon L. Waite from Maquoketa High School were the winners. Craig's award winning paper was Schlierenography: A Study in Applied Optics and Gordon's was the Development of a Solar Observatory System.

The Honors group of the 32nd Annual Science Talent Search, the nation's top science competition, was announced in Washington, D.C. on January 31 by E. G. Sherburne, Jr., Director of Science Service. The Search is conducted by Science Service.

Each of the 300 students selected has received notification of his selection. Science fairs and science clubs, also activities of Science Service, have played an important role in the development of these promising young high school seniors. Approximately seventy-nine per cent of the 300 have participated in science fairs and many are members of science clubs.

A total of 1,105 students completed all entry requirements before the deadline at midnight, December 15, and thus were qualified for judging. Three hundred of these entrants were selected as members of the Honors Group. These resulted from 13,385 who were sent entry materials.

The outstanding student scientists include 95 girls and 205 boys, with the ratio of girls among the group being determined each year by the percentage of girls among those completing entries. The students selected represent the best of their graduating classes, with 61.4 percent of the boys and 72.6 percent of the girls being in the top 5 percent of their classes.

All members of the Honors Group will be recommended for admission and scholarship awards to the nation's colleges and universities. Many will receive further recognition in state Science Talent Searches conducted in most states as a part of the national Search.

On February 7, 40 members of the Honors Group will be announced as top winners of the 32nd Science Talent Search. They will be invited to Washington, D.C., for the five-day Science Talent Institute to be held March 14 through 19, during which they will be judged for \$67,500 in Westinghouse Science Scholarships and Awards.

These scholarships and the operation of the Search are supported by the Westinghouse Educational Foundation of the Westinghouse Electric Corporation.

Already at work on the world of tomorrow, these students have submitted project reports, required as part of the Science Talent Search entry, which are dramatic evidence of the scope and depth of their interest and ability.

All but 3 of the 300 Honors Group definitely plan scientific careers. First choice is medical science, chosen by 70, with engineering second with 25. Physics is next with 23. Following are teaching and mathematics with 21 and 13 respectively. Computer Science follows with 10 and chemistry was chosen by 7. The remainder of the group covers nearly every scientific field, with 88 simply specifying "scientific research."