

1973

## Notes from the Department of Public Instruction

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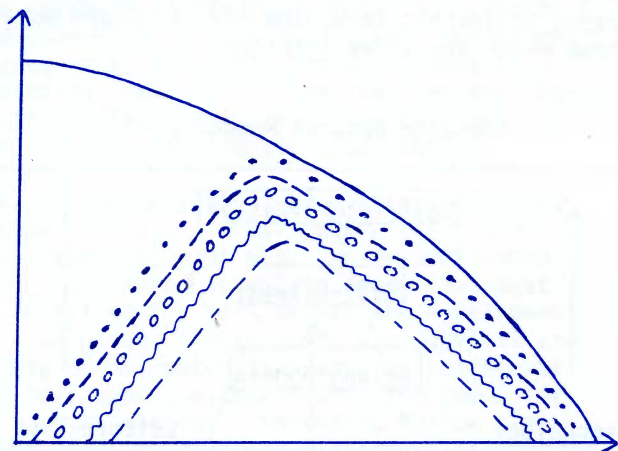


Figure 5

### Natural Resources and Human Behavior

- Natural Resources
- ... Technology
- - - Leisure Time
- oooo Basic Needs
- ~~~~ Self-Actualization
- - - Intellectualization

Man's availability to the natural resources in the world has increased. Therefore, technology, leisure time, basic needs, self-actualization, and intellectualization have also increased. However, with a decline in natural resources, one would perhaps witness a decline in all of these other parameters such as technology, leisure time, basic needs, actualization, and intellectualization. What will happen when mankind must begin to face the harsh depletion of his natural resources? It is the belief of this writer that he will revert to his "old way"--that of being the uncivilized man that he has always been capable of being.

Is there a way out of this dilemma? Perhaps there is if--

1. man can somehow replenish his natural resources that he is using or at least find new ways and/or new resources that will provide for his basic needs.
2. he can adapt his present technology to a second function i.e. becoming operant in a state of resource depletion.

3. he can continue to provide leisure time for himself which will help to continue the development of the intellect.
4. he can find new ways and materials to meet his basic needs.
5. he can continue to become actualized and continue to find new ways to actualize his fellow man.

If man cannot pursue other courses which will help to facilitate the emergence of rational thought, he might very well be helping to bring about his own destruction. However, if he chooses to find new ways for developing rational thought--even in a state of resource depletion--he might become his own savior. Are there other alternatives?

### References

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- McClelland, David. Personality, Norton, 1951.
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- Southern, Beverly, H. Vitalizing Natural Resources Education, The Journal of Environmental Education, Vol. 1, No. 1, 1969.

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### NOTES FROM THE DEPARTMENT OF PUBLIC INSTRUCTION

Gary Downs, State Science Consultant, attended the annual State Science Supervisors convention at Las Vegas on January 25-30, 1973. The theme for the convention was: Data Utilization in Assessing the Needs of Science Education in the States.

The following speakers addressed the group in six of the general sessions:

- Dr. Michael M. Froydma -- NSF
- Dr. William S. Graybeal -- NEA
- Dr. J. Myron Atkin -- University of Illinois
- Dr. Herbert J. Walberg -- University of Illinois
- Dr. Edward J. Meade -- Ford Foundation
- Dr. Howard J. Hansman -- NSF



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.