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Open Letter to the Members of ISTS

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vacancy at the injection temperature and the lattice constants that an electron travels between trapping sites.

Other areas of experimental research with color centers would include experimenting with other alkali-halides and measuring the absorption bands of the various color centers with a spectrometer. Thus an almost unlimited amount of research can still be done with color centers in alkali-halides, whether experimental or mathematical in nature.

1. Bronstein, L. and Hersh, H., "Demonstration of Electron and Hole Injection in Alkali-Halides," *American Journal of Physics*, 1957, p. 306.
2. Garner, W. E., *Chemistry of the Solid State*, Butterworths Scientific Publications, London, 1955.
3. Sproull, Robert Fletcher, "Color Centers in Salt Crystals," *Chemistry*, Volume 37, June, 1964, p. 30.

Open Letter to the Members of ISTS

This year we celebrate the twenty-fifth anniversary of the National Science Teachers Association. Time has seen many changes in science education in the nation and in Iowa. It is for this reason that the regional meetings of ISTS have as their theme "Twenty-five Years of Science Education—The Story of a Revolution."

This revolution has included the Iowa Science Teachers Association. From a group of only a few teachers, we have now become the largest section of the Iowa Academy of Science.

Through the Science Short Course scheduled for Ames in March, as well as the other meetings sponsored by the Science Teachers Section, we are striving to help teachers keep up with this revolution in science education.

Despite the present accomplishments, the fact is that only one in five science teachers in the state belong to their professional organization. If each teacher who is a member would convince one other person of the merits of joining, ISTS could aid that

much more in the revolution in science education.

With the advent of Science Coordinators, I see the classroom teacher taking a lesser role in the activities of the group. This is a natural trend, but one which must not occur. The person ISTS is most concerned with is the one who has direct contact with the students. Many of you have talents which will aid other teachers. Offer your services to ISTS, we will provide the opportunity for you to contact other teachers and benefit in turn from them.

The future of science education looks as bright as the past. New programs are being tested every year. For the first time elementary science is becoming active. Elementary teachers even see benefits in joining State and National Science Teachers Associations. If this trend continues, at the fiftieth anniversary we will be able to look back and say that it was indeed a golden era for science education.

George F. Chapman
Dubuque, Iowa
President ISTS