



## HARRY L. BISHOP • IRON & STEEL SOCIETY

Bishop at his office in Allegheny Ludlum's Research Center to find out what's in store for the Iron and Steel Society's second year of being.

**DR. BISHOP:** Before we talk about the coming year, I believe that there are two areas in recent history of the AIME that should be looked at in retrospect.

The first is the decision of the AIME Board of Directors to form the Iron and Steel Society. The reception of the new Society this past year more than justifies the decision. The original estimate of members for the new Society was about 3100. Many people felt that our growth estimates of %10 were a bit optimistic. As it has turned out, the estimate was conservative and at year end we have 3650 members. This should be acknowledged and in so doing, point out the wisdom of the AIME Austin Ad Hoc Committee on the formation of the new Society, and the former Iron and Steel Division Chairmen, Peter Koros, Jack Fishley, Kurt Mattison, and Mel Nickel who worked so hard promoting the cause of a separate Iron and Steel Society; and the Presidents of the Metallurgical Society during this period, Julius Harwood and Jim Fulton who encouraged the formation of the new Society.

The second area is more recent, the first year of the new Society. You couldn't have picked a poorer year as far as the economic climate of the iron and steel industry goes to start a new Society. And yet, the success of the ventures undertaken will be hard to better in this coming year. Last year Bill Wise outlined major goals of the Society as follows:

"The objective of the Society is to promote the advancement of knowledge in the technical operations and processes in the production of iron, steel and related industries. The Society must provide a medium of communication and cooperation among those participating in any phase of ferrous metallurgy and materials science and technology. It must represent the profession on matters

advancing education in fields related to the iron and steel industry. It must disseminate knowledge and information through meetings, publications and education. The initial efforts towards these goals must be directed towards these goals must be directed toward the building of an organization to promote membership growth, financial strength and unity of the five divisions." I am in total agreement with those goals.

**I&SM:** Do you feel that the Society activities last year followed a course to implement those goals?

**DR. BISHOP:** Certainly. We had five national conferences last year that if not best ever, certainly qualified for among the best. We started out with a successful Electric Furnace in Pittsburgh. The Mechanical Working Conference last January, the Process Technology Program at the Annual Meeting in February and the National Open Hearth and Ironmaking Conferences in Toronto in April all maintained the success of the Electric Furnace Conference.

**I&SM:** Exactly what do you mean by success?

**DR. BISHOP:** They successfully provided an arena for communication in our area, and they provided a media for dissemination of knowledge and information through the conference and the subsequent proceedings publications. In addition, the conferences provide the opportunity for our members to meet and discuss items of common interest, actively participate on committees and make lasting friendships with men in the same profession. And that satisfies two of our continuing goals.

**I&SM:** How about the third goal, advancing education?

**DR. BISHOP:** Well, thanks to our Continuing Education Committee we've made a start in that direction too. Our first short course was held in Houston on Continuous Casting last month, two days before the Electric Furnace

On February 24, Harry L. Bishop, Manager, Process Research and Development at Allegheny Ludlum Steel Corporation Research Center, will take over the reins of the Iron and Steel Society of AIME in 1976. The new ISS-AIME President has been with Allegheny Ludlum since 1956. Dr. Bishop holds a Metallurgical Engineering degree from University of Cincinnati and a Doctor of Science degree from MIT.

Harry Bishop's career in AIME closely parallels his professional career. He worked through the chairs of the Process Technology Division, and was active throughout the group's evolution from the Physical Chemistry Committee to the Process Technology Committee on to the Division's present status. The incoming president served as Chairman of the Process Technology Committee in 1973.

During the first year of the Iron and Steel Society, Dr. Bishop served as President-Elect and ISS Director on the AIME Board of Directors. During his year of presidency he will serve on the Executive Committee of AIME in addition to continuing on the AIME Board. He has been quite active on the AIME GEM Committee and as President of the Society will also serve as Chairman of the ISS-AIME GEM Committee.

What plans does the incoming president have? *I&SM* staff visited Dr.



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Conference. The response to the course was excellent especially in the light of the depressed state of the industry. We are still receiving comments pro and con on the success of this venture. I'm sure the Continuing Education Committee will continually modify and refine their courses and course presentation to make these continuing education short courses more effective, and hence worthwhile to our members.

**I&SM:** What objectives do you have in mind for your term of office?

**DR. BISHOP:** One of my major concerns is, are we addressing all of the areas involved in the production of steelmaking. For example, vacuum degassing pickling, annealing etc. These, as well as others, are areas we don't touch on too frequently. Our programs are overwhelmingly dominated by the basic side of steelmaking. We have to get involved in total systems and not confine ourselves just to specific metallurgical processes.

**I&SM:** How would you suggest implementing this involvement?

**DR. BISHOP:** Well, in the Process Technology Division, there is an active drive to seek people in the finishing side of steelmaking to foster programs of this kind. This is one approach.

Perhaps we can poll our sections for input. Are we addressing all areas in their local section? I would welcome suggestions from any of our members.

The Mechanical Working and Steel Processing Division is an elaborate all-encompassing group directly involved in the non-basic part of steelmaking. At this point they could be considered an embryo for our Society to develop. They should be encouraged to grow to the size of the Open Hearth, BOF, Ironmaking and Electric Furnace Groups.

**I&SM:** How do you feel about the proposed 1977 joint conference of the AISE Rolling Mill Conference and the Annual Mechanical Working Conference?

**DR. BISHOP:** Personally I am in favor of it. It should benefit both groups. It will certainly benefit members who have to make a choice of which conference they wish to attend. The companies should welcome the one site, one data concept for both conferences. I hope that the members involved can come up with a satisfactory argument acceptable to all concerned.

**I&SM:** What other objectives for 1976 would you like to pursue?

**DR. BISHOP:** There are two of equal importance. One relates to the AIME Government, Energy and Mineral Affairs Committee, better known as the GEM Committee. I hope that the Iron and Steel Society can implement the program to serve our members in the iron and steel industry. The GEM concept will be difficult to implement. Somehow we must establish a structure wherein the individual member will have to make the decision on whether he wishes to participate or not. It will be a totally voluntary decision on his part. We have to provide information to our local sections taken from our conferences, local sections and from the American Iron and Steel Institute. One thing is certain, if the GEM program is to succeed, the local sections must participate.

**I&SM:** You mentioned two goals.

**DR. BISHOP:** The second and equally important goal is implementing a student program in ISS-AIME. We are directing our efforts in this area also through the local sections. Hopefully the local sections through a local section student chairman will be able to foster programs that will generate active student participation. Going back to my concern of whether our Society is addressing all of the areas involved in the total business of steelmaking, our student program must also work toward answering this question.