IEEE Software grows from a quarterly to a bimonthly periodical beginning with this issue. The Editorial Board, the department editors and their guest contributors, the authors, the numerous referees involved in reviewing the articles that were submitted to us, and the West Coast Office of the IEEE Computer Society all deserve thanks for the energies they put forth in producing our first volume. We hope that the final technical product has been both interesting and useful to you, the reader. Producing the first volume of IEEE Software has not been without its trials and tribulations; however, it has been an interesting, demanding, and rewarding experience, both technically and personally.

As with all things that grow at such a dynamic rate as we have (we grew from zero subscribers to over 21,000 in our first year), there are always some accompanying difficulties. We have not been able to respond to all authors in a timely manner concerning the disposition of their manuscripts. We are very sensitive to the issue of the timely processing of papers. Delays in reviewing are, in part, due to a heavily overworked refereeing community. I am very much interested in having as many software professionals as possible participate in the refereeing process. Would those of you who are interested in assisting with this worthwhile endeavor please send me your name, address (both physical and electronic), phone number, and the subject areas of the Computing Reviews Classification System in which you feel competent to review articles. Also, indicate how many articles per year you can review.

Growth is often accompanied by change, and this is true in the case of IEEE Software. In this second volume, we will publish three theme issues: one on Ada applications and environments; one on experiences with distributed systems; and one on operating systems for highly parallel environments.

Our first special issue, on Ada, will be in March 1985. I also hope to publish a few detailed interviews with distinguished scientists on topics of general interest sometime this year.

We are initiating a campaign to have as many manuscripts and reviews of articles transmitted to us electronically as possible. You can either submit six copies of your double-spaced, typewritten manuscript to me at the following address,

Bruce D. Shriver
Editor-in-Chief, IEEE Software
IBM T. J. Watson Research Center
PO Box 218
Yorktown Heights, NY 10598

or you can send me a single copy of the double-spaced, ASCII file output of your word processor to either of the following two electronic mail addresses:

(1) b.shriver@Computer Society's compmail + service; or
(2) shriver.yktvnmv@ibm-sj on CSNET.

Each department editor now has the appropriate compmail + address listed along with their physical addresses.

To remain as technically viable as we have been in our first volume, we need to continue to have submitted high quality technical articles on important issues to the software community. The problems that we continue to have in the design, implementation, use, and evolution of software systems (both in the application and system domains) are forcing us to reconsider the very way in which each of these processes is done.

Our existing tools are continually being changed as we learn more about what is done and what needs to be done in each process. In many cases, the tools must be redesigned, not only to accommodate new needs but also so they can be used with other tools to form an "integrated" tool