Editorial

Jack D. Gaskill, Editor

The Year in Review

This past year brought a number of changes to Optical Engineering, the most significant of which was the increase in publication frequency from bimonthly to monthly. A few changes were merely cosmetic in nature (e.g., an increase in type size), whereas others were adopted to make the journal more informative and interesting to the reader (inclusion of reference titles, biographical sketches and photos of authors, etc.). Based on the many positive comments I have received, I am convinced that the majority of readers appreciate these changes and regard them as improvements to the journal.

I would like to acknowledge the efforts of the Guest Editors, who expended a great deal of time and energy to ensure the success of their special issues. In addition to writing a guest editorial, they solicited manuscripts from selected individuals, had these manuscripts refereed by appropriate experts, made certain that any necessary revisions were completed by the authors, and provided recommendations to me regarding the acceptance or rejection of each paper. The Guest Editors for 1986 were:

Raymond Arrathoon (Digital Optical Computing, January)
Cardinal Warde and Uzi Efron (Materials and Devices for Optical Information Processing, February)
Mohan M. Trivedi and John F. Gilmore (Applications of Artificial Intelligence, March)
Henri H. Arsenault and Joseph W. Goodman (Speckle I, May, and Speckle II, June)
Hua-Kuang Liu and Henry Lum (Optical Processing for the Space Station, July)
Gerald F. Marshall (X-Ray Multilayered Optics, August)
Gregory M. Sanger (Large Optics Technology, September)
Lynn D. Hutcheson (Optical Interconnections, October).

The efforts of all these individuals are sincerely appreciated.

I wish to give special recognition to Armand R. Tanguay, Jr., who was awarded the Rudolf Kingslake Medal and Prize for 1985 for his paper “Materials requirements for optical processing and computing devices.” This paper, which was published in the January/February 1985 issue of Optical Engineering, was judged the most noteworthy original paper to appear in the journal that year. The emphasis of Dr. Tanguay’s paper is on materials requirements imposed by functional constraints, with a detailed analysis of three principal device categories: spatial light modulators, volume holographic optical elements, and bistable optical devices. This paper is highly regarded and widely referenced throughout the optical processing community, and I congratulate Dr. Tanguay for his achievement.

Finally, I once again wish to thank the authors who submitted manuscripts to be considered for publication and the referees who helped review them. We all owe a debt of gratitude to these individuals, for without them there would be no journal.