Journal of Materials Research: Here's How It Works

Journal of Materials Research (*JMR*) is an archival journal of leading-edge interdisciplinary research on materials. It is published by the Materials Research Society and serves the international research community. *JMR* features articles, reviews, and rapid communications dealing with advanced materials processing, characterization, and properties. During the two and a half years since it began publication, *JMR* has rapidly grown in issue size as well as in the depth and breadth of its topical coverage. At the same time, the circulation of the Journal has grown until now hundreds of libraries around the world and over 5,000 individual scientists and engineers regularly receive copies of *JMR*. These include all members of the Materials Research Society. With this continuing growth, *JMR* has established a reputation as a premier journal for publishing original materials research articles.

The eighteen Principal Editors of *JMR* are critical elements in the successful development and operation of the Journal. These individuals have been carefully chosen as recognized experts in their materials science specialties. The institutional affiliations of these editors span a wide range of prestigious university, industrial, and government laboratories both in the United States and abroad. They freely contribute their time, experience, and knowledge to the Journal.

The Principal Editors are in the mainstream of the Journal's manuscript review process. When a new manuscript is received at the *JMR* Editorial Office, Dr. W.L. Brown of AT&T Bell Laboratories, the Editor-in-Chief, assigns that manuscript to an appropriate Principal Editor. From that point on, unless there are special problems to be resolved, the progress of the article through the review process is the responsibility of that Principal Editor. He or she chooses referees based on knowledge and experience in the relevant fields. The referee reports are returned to the Principal Editor who then prepares a final recommendation for the Editorial Office. Manuscripts that require revision are returned to the same Principal Editor for evaluation of the changes. The Principal Editor may make a decision on the changes personally or may seek additional advice from the original referee(s). The Principal Editor's experience and judgment throughout this review process are clearly of central importance to the quality of the Journal.

Another individual actively working behind the scenes for *JMR* is Clifford H. Griffiths (Xerox Webster Research Center). He is responsible for reviewing the indexing of *JMR* manuscripts prior to publication. Although authors are requested to provide keywords with their initial manuscript submittal, Cliff examines each accepted manuscript and checks the author's keywords for consistency. His efforts are another important part of the *JMR* review process and make the topical index found in every JMR issue a useful tool.

The indispensable coordinator in this stream of manuscripts, reviews, recommendations, indexes, and communications with the American Institute of Physics (who publishes *JMR*) is Linda Krysinski, Editorial Office Supervisor of the Journal. From MRS Headquarters in Pittsburgh, Linda maintains the Journal's flow of papers and telephone communications in the widely dispersed network of authors and editors. She is the only person who has regular contact with all of them.

During the last year, the Principal Editors, Cliff, and Linda have successfully handled manuscripts spanning an enormous topical range. The topical index at the end of Volume 2 shows this in detail. That's what the *Journal of Materials Research* is all about. It is designed to deal with the interdisciplinary character of frontier research in materials science from gallium arsenide and stainless steel to polymers, glass, and intercalation compounds; from transmission electron microscopy and ion channeling to ellipsometry and electron spin resonance; from sol-gel processing and chemical vapor deposition to electroplating and ion implantation.

Walter L. Brown
Editor-in-Chief
Journal of Materials Research

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