



MANUSCRIPT REVIEW FORM

Macromolecules

Bruce Novak, Associate Editor

Ms Number: MA9615314

Ms Type: article

Reviewer No.

67

Author(s): Christopher M. Fellows, Ernest Senogles*

Ms Title: The Reactivity of Maleic Anhydride toward the 1-Phenylethyl Radical

Please return Bruce Novak
your review to: Dept. of Polymer Science & Engr.
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Please return one signed and one unsigned review form and the manuscript, if annotated, by **NOV 25 96**. If you are unable to review the manuscript by this date, please return it now and, if possible, suggest an alternate reviewer.

Recommendations:

Publish without change ☒
Publish after minor revision ☐
Publish after major revision ☐
Reconsider after major revision ☐
Do not publish ☐
Publish elsewhere ☐

where? _____

Summary Rating:

	Excel.	Good	Fair	Poor
Originality	☐	☒	☐	☐
Technical quality	☒	☐	☐	☐
Importance to field	☐	☒	☐	☐
Clarity of presentation	☒	☐	☐	☐

Possible Additional Reviewers:

Page	Line	Comments: (use additional pages if needed)
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I think that the article is an excellent addition to the literature in this field. I however would like to ask the following questions of the authors:

If APE is a pre-cursor for the styrene radical wouldn't MA react by itself with it with the same relative kinetics as the combination of MA/MMA? If this is true, then it would be interesting to determine the fate of the maleate terminus when it has no choice but to react with itself or disproportionate. Not much is available about the termination of alternating copolymerizations?

It would also be interesting to look at hindered esters of MAA as they should help eliminate the potential interference of the CTC. For example tert-Butyl methacrylate might be considered?

Finally your desire to reduce the size of these articles is probably a good idea. However, reducing the introduction is not a service to those who are not familiar with the subject. I would like to suggest that the ACS consider the educational value to the novice as an important parameter of value. This work is very valuable in that regard and gives a well written introduction to the subject and should be included.

Signature: _____

Date: _____

Rev. 8/95