

## Statement of the New Editors

The objects of inquiry of theoretical chemists are more limited in scope and are more internally related than those of the entire field of theoretical physics. Fundamental as well as practical relationships connect the major areas such as quantum chemistry, gas phase dynamics, structure and dynamics of condensed phases, statistical mechanics, the various fields of radiative interactions, etc., and mutual stimulation between various areas has become frequent. Because of this intrinsic unity of interest the new editors believe, as did the founder of this journal, that real benefits can result from having a journal that encompasses as much of theoretical chemistry as possible. They will therefore make a strong effort to move *Theoretica Chimica Acta* further in that direction.

Particularly lively interactions have developed in recent years between the quantum chemistry potential surfaces for reactive and inelastic processes and the molecular dynamics on such surfaces. It is the editors' hope that this journal will become a place where both kinds of investigations will find a home and that this may stimulate investigations of an intermediate nature. The editors will also welcome it if their friends in condensed-phase dynamics and statistical mechanics decide to patronize the journal. *Theoretica Chimica Acta* will of course continue its strong tradition of publishing research in quantum chemistry, be it related to structural questions or pertaining to the interactions of radiation with atoms and molecules.

The editors consider fundamental, formal and conceptual developments, methodological advances, quantitative treatments of concrete chemical problems, and the elucidation of experimental questions as equally valuable and important. For almost every specific system, there exist conceptual and methodological aspects that fascinate theorists but which are less suitable for those avenues of publication which offer the greatest exposure of quantitative results to experimentalists. Well written reviews of topical interest are also looked upon with favor.

Above all it is the editors' concern that *Theoretica Chimica Acta* publish good theoretical chemistry. Scientific quality and excellence are the overriding criteria for their editoria activity. All editors take an active part in the editorial process and assume responsibility for the journal's scientific integrity.

As an expression of the seriousness of their intentions, the editors have contributed investigations from their own research groups to this first issue of Volume 68. They plan to continue to do so in future issues.

Klaus Ruedenberg, Ernest R. Davidson, Nicholas C. Handy, Joshua Jortner, Werner Kutzelnigg, Rudolph A. Marcus, Josef Michl, William H. Miller, Keiji Morokuma, Björn O. Roos, Henry F. Schaefer, Donald G. Truhlar