

# Bookworm

## Measurement of the Thermodynamic Properties of Single Phases, Vol. VI

A. Goodwin, K. N. Marsh, and W. A. Wakeham  
Elsevier, 2003  
ISBN 0-444-50931-3

The editors of this volume were assigned the task of assembling an international team of distinguished experimentalists to describe current techniques for measuring the thermodynamic quantities of single phases, consisting of both pure fluids and compositionally complex mixtures, over a wide range of conditions. The resulting volume contains a valuable summary of a large variety of experimental techniques applicable over a wide range of thermodynamic states, with an emphasis on the precision and

accuracy of the results obtained. Those interested in the art of measurements, and in particular engaged in the measurement of thermodynamic properties, will find this material invaluable for the guidance it provides towards the development of new and more accurate techniques. Readers will find that the text has a strong practical bias and includes both detailed working equations and figures for the experimental methods. The volume addresses a general audience of academics, graduate students and industrial readers, and is the most comprehensive text in this field since the publication of *Experimental Thermodynamics Volume II* in 1975.

 [www.iupac.org/publications/books/author/goodwin.html](http://www.iupac.org/publications/books/author/goodwin.html)

## Progress in Polymer Science and Technology

Mao Xu (ed.)  
*Macromolecular Symposia*, Vol. 195  
Wiley-VCH, 2003, pp. 1–327  
ISBN 3-527-30699-4

This issue contains some of the plenary lectures and invited lectures presented at the 2002 IUPAC World Polymer Congress (The 39th International Symposium on Macromolecules) held in Beijing, China, from 7–12 July 2002. Around 1300 attendees from 44 countries actively participated in the various activities of the Congress, which was organized by the Polymer Division of the Chinese Chemical Society.

The scientific program of the Congress involved plenary sessions and the following scientific sessions:

- polymer synthesis and reactions
- structure and properties of polymers
- macromolecular architecture
- polymer blends and composites
- functional polymers
- bio-related and medical polymers
- polymers and environment
- polymer engineering and processing

The conference covered all the main fields of polymer science and technology. There were a total of 1072 papers delivered, including 380 oral and 692 poster presentations.

 [www.iupac.org/publications/macro/2003/195\\_preface.html](http://www.iupac.org/publications/macro/2003/195_preface.html)

## Solubility Equilibria—in Honor of Heinz Gamsjäger

*Monatshefte für Chemie/Chemical Monthly*,  
Vol 134, No. 5, pp. 619–790, 2003

To honor Professor Heinz Gamsjäger, chairman of the IUPAC Subcommittee on Solubility and Equilibrium Data (SSED), on the occasion of his seventieth birthday, *Monatshefte für Chemie/Chemical Monthly* published a special issue on “Solubility Equilibria,” edited by Erich Königsberger. The authors of the contributions to this special issue have served for many years on the IUPAC Commission on Solubility Data (now

SSED) and edited and contributed to numerous volumes of the IUPAC-NIST Solubility Data Series (SDS).

In the preface to the special issue, Mark Salomon, editor in chief of SDS, gives an overview of Heinz Gamsjäger's scientific career from 1956, when he was awarded an M.Sc. degree (Dipl.-Ing. Technical Chemistry) by the Technical University Graz, until the present as an emeritus professor of physical chemistry at the University of Leoben, Austria, and chairman of SSED.

Gamsjäger was never one to rest; he was a visiting professor at many foreign universities, and in 1981 he was also an advisor to the Japan Society for the