

## Contents

(Abstracted/Indexed in: *Curr. Contents: Phys., Chem. Earth Sci.; Eng., Technol. Appl. Sci., Chem. Abstr., PASCAL/CNRS@*)

<b>OBITUARY</b> .....	1
<b>REGULAR PAPERS</b>	
<i>Thermodynamics and Calorimetry</i>	
Solvent activity meter based on a high sensitivity heat-flow microcalorimeter D. Berling (Lund, Sweden), D. Hallén (Stockholm, Sweden), T.H. Lilley (Sheffield, UK) and G. Olofsson (Lund, Sweden) .....	3
The influence of heat transfer on temperature-modulated DSC measurements J.E.K. Schawe and W. Winter (Sektion für Kalorimetrie, Germany) .....	9
Thermochemistry of phosphate products. Part I: Standard enthalpy of formation of tristrontium phosphate and strontium chlorapatite I. Khattech and M. Jemal (Tunis, Tunisia) .....	17
Thermochemistry of phosphate products. Part II: Standard enthalpies of formation and mixing of calcium and strontium fluorapatites I. Khattech and M. Jemal (Tunis, Tunisia) .....	23
Thermal behavior of 1,3,3-trinitroazetidine Z. Jiaoqiang, H. Rongzu, Z. Chunhua, F. Guofu and L. Quihe (Shaanxi, Peoples Republic of China) .....	31
Heat capacity measurements from 10 to 300 K and derived thermodynamic functions of lyophilized cells of <i>Saccharomyces cerevisiae</i> including the absolute entropy and the entropy of formation at 298.15 K E.H. Battley, R.L. Putnam and J. Boerio-Goates (Provo, UT, USA) .....	37
<i>Thermal Analysis</i>	
Thermal decomposition of fibrous $\text{TiOSO}_4 \cdot 2\text{H}_2\text{O}$ to $\text{TiO}_2$ M. Johnsson, P. Pettersson and M. Nygren (Stockholm, Sweden) .....	47
Impact of zeolitic water content on exchange of calcium ions P. Sidheswaran and A.N. Bhat (Mumbai, India) .....	55
Enthalpy increments of strontium and barium zirconates A. Banerjee, S. Dash, R. Prasad and V. Venugopal (Bombay, India) .....	59
Ultrasonic velocities and isentropic compressions of triethylamine in water and in aqueous tetraethylammonium chloride solutions from 15 to 35°C I.M.S. Lampreia and J.M.S.T. Neves (Lisboa, Portugal) .....	65
Increased myocardial oxygen consumption and resting heat production, as measured by microcalorimetry, after propranolol and carvedilol treatment: Is there a partial agonistic effect in the rat? B. Fagher, J. Ikomi-Kumm and M. Monti (Lund, Sweden) .....	75
A quartz micro balance for measuring the kinetics of guest uptake from the vapour A. Coetzee, L.R. Nassimbeni and K. Achleitner (Rondebosch, South Africa) .....	81
Thermogravimetric combined with mass spectrometric studies on the oxidation of calcium sulfide K. Qiu, T. Mattisson, B.-M. Steenari and O. Lindqvist (Göteborg, Sweden) .....	87
Characterization and kinetic analysis of the thermal decomposition of 2-oxy-4,6-dinitramine- <i>s</i> -triazine in non-isothermal conditions P.N. Simões, A.T. Portugal and J.A. Campos (Coimbra, Portugal) .....	95

(Continued overleaf)