Physics and Chemistry of Ice
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Edited by

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PREFACE

The 11th International Conference on the Physics and Chemistry of Ice (PCI-2006) took place in Bremerhaven, Germany, 23-28 July 2006. It was jointly organized by the University of Göttingen and the Alfred-Wegener-Institute (AWI), the main German institution for polar research. The attendance was higher than ever with 157 scientists from 20 nations highlighting the ever increasing interest in the various frozen forms of water. As the preceding conferences PCI-2006 was organized under the auspices of an International Scientific Committee. This committee was led for many years by John W. Glen and is chaired since 2002 by Stephen H. Kirby. Professor John W. Glen was honoured during PCI-2006 for his seminal contributions to the field of ice physics and his four decades of dedicated leadership of the International Conferences on the Physics and Chemistry of Ice. The members of the International Scientific Committee preparing PCI-2006 were J. Paul Devlin, John W. Glen, Takeo Hondo, Stephen H. Kirby, Werner F. Kuhs, Norikazu Maeno, Victor F. Petrenko, Patricia L.M. Plummer, and John S. Tse; the final program was the responsibility of the editor of this volume. The oral presentations were given in the premises of the Deutsches Schifffahrtsmuseum (DSM) a few meters away from the Alfred-Wegener-Institute. It was probably the hottest week of summer 2006 in Germany with all ice breaking and melting between participants in the social part of the conference, yet with solid and profound exchange in the cooler, pleasantly air-conditioned lecture hall hosting excellent presentations followed by rich and lively discussions. In the spirit of promoting the exchange between scientists from various fields of ice research no parallel sessions were organized. Thus every participant got a chance to follow the entire program – seemingly a success as indicated by the excellent attendance and expressed also in various feedbacks of participants. Ample room was given to poster presentations resulting in a lively exchange and accompanied by very welcome German beer – it was hot as I mentioned above. The poster prize was shared by Sebastian Schöder und Sergei Skiba – both of them receiving a copy of the book Physics of Ice signed by the authors Viktor F. Petrenko and Robert W. Whitworth, members of the prize committee.

Papers were collected during the conference for inclusion in the proceedings, including a number of invited papers reviewing important fields of research. The refereeing procedure was rigorous and fast and I would like to thank all referees and authors for the excellent cooperation during the three months following the conference. It may be useful here to give a list of the preceding conferences and their proceedings:

1. **Erlenbach (Switzerland) 1962.** Proceedings were not published.
Preface


A good review of the scope of this series of conferences (prior to 1996) is found in an article by John W.Glen in *Journal of Physical Chemistry B* 101 (1997) 6079-6081. The richness of topics and disciplines in the wide field of physics and chemistry of ice is reflected therein. PCI-2006 certainly has confirmed this aspect and has reinforced the beneficial presence of biology and snow research. The ever larger and wider audience suggests that this series of ice conferences is as young as 40 years ago. During the meeting in Bremerhaven the International Scientific Committee has agreed on the location of the next conference – it will be organized in Sapporo in 2010 by our Japanese colleagues lead by Takeo Hondo.

The success of this conference was largely due to the efficiency and determination of the local organization committee chaired by Frank Wilhelms from the *Alfred-Wegener-Institute* with the support of Hans-Walter Keweloh (DSM), Anja Benscheidt und Kerstin Dürschner (Historisches Museum Bremerhaven), Gerhard Bohrmann (RCOM Bremen), Renate Wanke, Sepp Kipfstuhl und Heinz Miller (AWI). Crucial financial support was obtained from the Deutsche Forschungsgemeinschaft (DFG) and the City of Bremerhaven, the AWI and the GZG/ University of Göttingen with further contributions from the DSM, the Historical Museum of Bremerhaven, RCOM/ University of Bremen, bremenports GmbH & Co KG, and the Deutsche Gesellschaft für Polarforschung e.V.

Finally, the organization of this conference and the editing of these proceedings would have been impossible without the professional skill and personal dedication of Ines Ringel (*GZG University of Göttingen*) – Ganz herzlichen Dank!

Göttingen, November 2006

Werner F. Kuhs
Contents

Invited Papers

MOLECULAR SIMULATIONS OF GAS HYDRATE NUCLEATION
B.J. Anderson, R. Radhakrishnan, B. Peters, G.P. Borghil, J.W. Tester and
B.L. Trout

EXTRATERRESTRIAL ICE WITH EMPHASIS ON AGGREGATION/
INTERACTION WITH ORGANIC MATTER: COLLISIONAL AND
ACCRETIONAL PROPERTIES OF MODEL PARTICLES
M. Arakawa

INTERACTIONS BETWEEN SNOW METAMORPHISM AND CLIMATE:
PHYSICAL AND CHEMICAL ASPECTS
F. Domine, A.-S. Taillandier, S. Houdier, F. Parrenin, W.R. Simpson and
T.A. Douglas

ICE ADHESION AND ICE FRICTION MODIFICATION USING PULSED
THERMAL POWER
V.F. Petrenko

IMPROVING OUR UNDERSTANDING OF GAS HYDRATE FORMATION
PROCESSES: THE IMPORTANCE OF MULTI-TECHNIQUE APPROACHES
J. Ripmeester

FAST THERMAL DESORPTION SPECTROSCOPY AND
MICROCALORIMETRY: NEW TOOLS TO UNCOVER MYSTERIES OF ICE
V. Sadchenko

SELECTION FOR ‘ICE RESISTANCE’, ANTIFREEZE PROTEINS AND ICE
OR HYDRATE INHIBITION
V. K. Walker, S.L. Wilson, Z. Wu, E. Huva, G. R. Palmer, G. Voordouw,
H. Zeng and J. A. Ripmeester

Contributed Papers

RAMAN SCATTERING STUDY OF PROTON ORDERED ICE-XI SINGLE
CRYSTAL
K. Abe, Y. Ootake and T. Shigenari

ON THE PERFORMANCE OF SIMPLE PLANAR MODELS OF WATER IN
THE VAPOR AND THE ICE PHASES
A. Baranyai, A. Bartók and A.A. Chialvo
<table>
<thead>
<tr>
<th>Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHASES OF SUPERCOOLED LIQUID WATER</td>
<td>117</td>
</tr>
<tr>
<td>I. Brovchenko and A. Oleinikova</td>
<td></td>
</tr>
<tr>
<td>USING GAUSSIAN CURVATURE FOR THE 3D SEGMENTATION OF SNOW GRAINS FROM MICROTOMOGRAPHIC DATA</td>
<td>125</td>
</tr>
<tr>
<td>J.B. Brzoska, F. Flin and N. Ogawa</td>
<td></td>
</tr>
<tr>
<td>ETHANOL HYDRATES FORMED BY GAS CONDENSATION: INVESTIGATIONS BY RAMAN SCATTERING AND X-RAY DIFFRACTION</td>
<td>133</td>
</tr>
<tr>
<td>B. Chazallon, C. Focsa, F. Capet and Y. Guinet</td>
<td></td>
</tr>
<tr>
<td>DISLOCATION PATTERNING AND DEFORMATION PROCESSES IN ICE SINGLE CRYSTALS DEFORMED BY TORSION</td>
<td>141</td>
</tr>
<tr>
<td>J. Chevy, M. Montagnat, P. Duval, M. Fivel and J. Weiss</td>
<td></td>
</tr>
<tr>
<td>FORMATION OF CARBON DIOXIDE GAS HYDRATES IN FREEZING SEDIMENTS AND DECOMPOSITION KINETICS OF THE HYDRATES FORMED</td>
<td>147</td>
</tr>
<tr>
<td>E.M. Chuvilin, S.Yu. Petrakova, O.M. Gureva and V.A. Istomin</td>
<td></td>
</tr>
<tr>
<td>FIRST-PRINCIPLES STUDY OF BJERRUM DEFECTS IN ICE Ih: AN ANALYSIS OF FORMATION AND MIGRATION PROPERTIES</td>
<td>155</td>
</tr>
<tr>
<td>M. de Koning, A. Antonelli, A.J.R. da Silva and A. Fazio</td>
<td></td>
</tr>
<tr>
<td>FIRST-PRINCIPLES STUDY OF MOLECULAR POINT DEFECTS IN ICE Ih: INTERSTITIAL VS. VACANCY</td>
<td>163</td>
</tr>
<tr>
<td>M. de Koning, A. Antonelli, A.J.R. da Silva and A. Fazio</td>
<td></td>
</tr>
<tr>
<td>FROM ICE TO CO₂ HYDRATES AND BACK – STUDY OF NUCLEATION AND INITIAL GROWTH USING SCANNING ELECTRON MICROSCOPY</td>
<td>171</td>
</tr>
<tr>
<td>A. Falenty, G. Genov and W.F. Kuhs</td>
<td></td>
</tr>
<tr>
<td>THE TEMPERATURE GRADIENT METAMORPHISM OF SNOW: MODEL AND FIRST VALIDATIONS USING X-RAY MICROTOMOGRAPHIC IMAGES</td>
<td>181</td>
</tr>
<tr>
<td>F. Flin, J.-B. Brzoska, R. A. Pieritz, B. Lesaffre, C. Coléou and Y. Furukawa</td>
<td></td>
</tr>
<tr>
<td>SUM FREQUENCY GENERATION ON SINGLE-CRYSTALLINE ICE Ih</td>
<td>191</td>
</tr>
<tr>
<td>H. Groenzin, I. Li and M.J. Shultz</td>
<td></td>
</tr>
<tr>
<td>MODELLING ICE Ic OF DIFFERENT ORIGIN AND STACKING-FAULTED HEXAGONAL ICE USING NEUTRON POWDER DIFFRACTION DATA</td>
<td>201</td>
</tr>
<tr>
<td>T.C. Hansen, A. Falenty and W.F. Kuhs</td>
<td></td>
</tr>
<tr>
<td>FUNDAMENTAL STUDIES FOR A NEW H₂ SEPARATION METHOD USING GAS HYDRATES</td>
<td>209</td>
</tr>
<tr>
<td>S. Hashimoto, S. Murayama, T. Sugahara and K. Ohgaki</td>
<td></td>
</tr>
</tbody>
</table>
Contents

SEGREGATION OF SALT IONS AT AMORPHOUS SOLID AND LIQUID SURFACES

THEORETICAL STUDY ON GASES IN HEXAGONAL ICE INVESTIGATED BY THE MOLECULAR ORBITAL METHOD
A. Hori and T. Hondoh

DEVELOPMENT OF IN SITU LOW TEMPERATURE INFRARED SPECTROSCOPY FOR A STUDY OF METHANE HYDRATE
K. Ishikawa, A. Tani and S. Nakashima

A MECHANISM FOR PHOTOCHEMICAL REACTIONS IN THE QUASI-LIQUID LAYER OF SNOW CRYSTALS IN POLAR REGIONS
H.-W. Jacobi, T. Annor, B. Kwakye-Awuah, B. Hiller and E. Quansah

TOPOLOGICAL TRANSITIONS BETWEEN ICE PHASES
S. Jenkins, S.R. Kirk and P.W. Ayers

THE IMPORTANCE OF O—O BONDING INTERACTIONS IN VARIOUS PHASES OF ICE
S. Jenkins, S.R. Kirk and P.W. Ayers

THE CHEMICAL CHARACTER OF VERY HIGH PRESSURE ICE PHASES
S. Jenkins, S.R. Kirk and P.W. Ayers

REAL-SPACE STUDY OF MECHANICAL INSTABILITY OF ICE XI ON A 'BOND-BY-BOND' BASIS
S. Jenkins, S.R. Kirk and P.W. Ayers

WATER-VAPOR TRANSPORT IN SNOW WITH HIGH TEMPERATURE GRADIENT
Y. Kamata and A. Sato

EXPERIMENTAL GEOSCIENCE IN A FREEZER: ICE AND ICY COMPOUNDS AS USEFUL EDUCATIONAL ANALOGUES FOR TEACHING EARTH AND PLANETARY MATERIALS SCIENCE AND THE PHYSICAL SCIENCES
S.H. Kirby

CLASSIFICATION OF LOW-ENERGY CONFIGURATIONS OF POLYHEDRAL WATER CLUSTERS FROM CUBE UP TO BACKMINSTERFULLERENE
M.V. Kirov

ENERGY OPTIMIZATION OF GAS HYDRATE FRAMEWORKS ON THE BASIS OF DISCRETE MODELS OF INTER-MOLECULAR INTERACTIONS
M.V. Kirov
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROSTRUCTURE OF GAS HYDRATES IN POROUS MEDIA</td>
<td>321</td>
</tr>
<tr>
<td>TACKLING THE PROBLEM OF HYDROGEN BOND ORDER AND DISORDER IN ICE</td>
<td>329</td>
</tr>
<tr>
<td>C. Knight and S. J. Singer</td>
<td></td>
</tr>
<tr>
<td>THEORETICAL STUDY OF A HYDROXIDE ION WITHIN THE ICE-Ih LATTICE</td>
<td>339</td>
</tr>
<tr>
<td>C. Knight and S. J. Singer</td>
<td></td>
</tr>
<tr>
<td>ATOMIC FORCE MICROSCOPY OF REARRANGING ICE SURFACES</td>
<td>347</td>
</tr>
<tr>
<td>M. Krzyzak, K.S. Techmer, S.H. Faria, G. Genov and W.F. Kuhs</td>
<td></td>
</tr>
<tr>
<td>IONISATION OF HCl ON ICE AT VERY LOW TEMPERATURE</td>
<td>357</td>
</tr>
<tr>
<td>C. Laffon and Ph. Parent</td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF LARGE GUEST SPECIES ON THERMODYNAMIC PROPERTIES OF STRUCTURE-Ih HYDRATES</td>
<td>363</td>
</tr>
<tr>
<td>T. Makino, T. Sugahara and K. Ohgaki</td>
<td></td>
</tr>
<tr>
<td>PREDICTION OF THE CELLULAR MICROSTRUCTURE OF SEA ICE BY MORPHOLOGICAL STABILITY THEORY</td>
<td>371</td>
</tr>
<tr>
<td>S. Maus</td>
<td></td>
</tr>
<tr>
<td>THE PLANAR-CELLULAR TRANSITION DURING FREEZING OF NATURAL WATERS</td>
<td>383</td>
</tr>
<tr>
<td>S. Maus</td>
<td></td>
</tr>
<tr>
<td>CRYSTAL GROWTH OF ICE-I/HYDRATE EUTECTIC BINARY SOLUTIONS</td>
<td>391</td>
</tr>
<tr>
<td>C. McCarthy, K.D. Rieck, S.H. Kirby, W.B. Durham, L.A. Stern and R.F. Cooper</td>
<td></td>
</tr>
<tr>
<td>X-RAY TOMOGRAPHIC CHARACTERIZATION OF IMPURITIES IN POLYCRYSTALLINE ICE</td>
<td>399</td>
</tr>
<tr>
<td>M. M. Miedaner, T. Huthwelker, F. Enzmann, M. Kersten, M. Stampanoni and M. Ammann</td>
<td></td>
</tr>
<tr>
<td>EFFECTS OF ADDITIVES AND COOLING RATES ON CRYOPRESERVATION PROCESS OF RAT CORTICAL CELLS</td>
<td>409</td>
</tr>
<tr>
<td>LABORATORY STUDIES OF THE FORMATION OF CUBIC ICE IN AQUEOUS DROPLETS</td>
<td>417</td>
</tr>
<tr>
<td>B.J. Murray and A.K. Bertram</td>
<td></td>
</tr>
<tr>
<td>HYDRATE PHASE TRANSFORMATIONS IMPOSED BY GAS EXCHANGE</td>
<td>427</td>
</tr>
<tr>
<td>M. M. Murshed and W. F. Kuhs</td>
<td></td>
</tr>
</tbody>
</table>
Contents

MECHANISM OF CAGE FORMATION DURING GROWTH OF CH₄ AND Xe CLATHRATE HYDRATES: A MOLECULAR DYNAMICS STUDY
H. Nada

GROWTH KINETICS ON INTERFACE BETWEEN \{20\bar{2}1\} PLANE OF ICE AND WATER INVESTIGATED BY A MOLECULAR DYNAMICS SIMULATION
H. Nada and Y. Furukawa

CHOOSING AN APPROPRIATE WATER MODEL FOR USE IN BIOMOLECULAR SIMULATIONS
D.R. Nutt and J.C. Smith

MICRO-RAMAN STUDY OF AIR CLATHRATE HYDRATES IN POLAR ICE FROM DOME FUJII, ANTARCTICA
H. Ohno and T. Hondoh

HIGH PRESSURE NMR OF HYDROGEN-FILLED ICES BY DIAMOND ANVIL CELL
T. Okuchi, M. Takigawa, H.K. Mao, R.J. Hemley and T. Yagi

ON THE USE OF THE KIHARA POTENTIAL FOR HYDRATE EQUILIBRIUM CALCULATIONS

A NEW STRUCTURE OF AMORPHOUS ICE PROMOTED BY RADIATIONS
Ph. Parent, S. Lacombe, F. Bourrel and C. Laffon

THE RADICAL CHEMISTRY IN IRRADIATED ICE
Ph. Parent, S. Lacombe, F. Bourrel and C. Laffon

SPEEDSKATE ICE FRICTION: REVIEW AND NUMERICAL MODEL - FAST 1.0
A. Penny, E. Lozowski, T. Forest, C. Fong, S. Maw, P. Montgomery and N. Sinha

FIRST PRINCIPLES COMPUTATIONAL STUDY OF HYDROGEN BONDS IN ICE Ih
P.L.M. Plummer

FREEZING OF WATER ON α-Al₂O₃ SURFACES

NEW HYDROGEN ORDERED PHASES OF ICE
C.G. Salzmann, P.G. Radaelli, A. Hallbrucker, E. Mayer and J.L. Finney
MICROSCOPIC OBSERVATION AND IN-SITU RAMAN STUDIES ON SOME SINGLE-CRYSTALLINE GAS HYDRATES UNDER HIGH PRESSURE
S. Sasaki, T. Kume and H. Shinizu

CLATHRATE HYDRATE FORMATION AND GROWTH: EXPERIMENTAL OBSERVATIONS VERSUS PREDICTED BEHAVIOUR
J.M. Schicks, M. Luzi, J. Erzinger and E. Spangenberg

EFFECT OF SNOW ACCRETION TO THE GPS ANTENNA ON POSITIONING PERFORMANCE

GAS HYDRATES IN THE SYSTEM H₂–CH₄ – H₂O AT PRESSURES OF 4.5 TO 220 MPa AND CONCENTRATIONS OF 0 TO 70 MOL. % H₂

CHEMISTRY INDUCED BY IMPLANTATION OF REACTIVE IONS IN WATER ICE
G. Strazzulla, G. Leto, F. Spinella and O. Gomis

STRUCTURE H HYDRATE KINETICS STUDIED BY NMR SPECTROSCOPY
R. Susilo, I.L. Moudrakovski, J.A. Ripmeester and P. Englezos

DIELECTRIC RELAXATION OF ICE SAMPLES GROWN FROM VAPOR-PHASE OR LIQUID-PHASE WATER
I. Takei

ESR OBSERVATION OF SELF-PRESERVATION EFFECT OF METHANE HYDRATE
K. Takeya, K. Nango, T. Sugahara, A. Tani and K. Ohgaki

INVESTIGATION OF THE STRUCTURAL DISORDER IN ICE Ih USING NEUTRON DIFFRACTION AND REVERSE MONTE CARLO MODELLING
L. Temleitner and L. Pusztai

FIRST-PRINCIPLES CALCULATION OF STRUCTURE AND DYNAMICAL PROPERTIES OF ORIENTATIONAL DEFECTS IN ICE
N. Tsogbadrakh and I. Morrison

EFFECTS OF ADDITIVES ON FORMATION RATES OF CO₂ HYDRATE FILMS
T. Uchida, I.Y. Ikeda, R. Ohmura and S. Tsuda

RIPPLE FORMATION MECHANISM ON ICICLES UNDER A THIN SHEAR FLOW
K. Ueno and N. Maeno
Contents

MOLECULAR SIMULATIONS OF WATER FREEZING: BRINE REJECTION AND HOMOGENEOUS NUCLEATION
   L. Vrbka and P. Jungwirth  627

IMPLICATIONS FOR AND FINDINGS FROM DEEP ICE CORE DRILLINGS — AN EXAMPLE: THE ULTIMATE TENSILE STRENGTH OF ICE AT HIGH STRAIN RATES
   F. Wilhelms, S. G. Sheldon, I. Hamann and S. Kipfstuhl  635

ISOTHERMAL AMORPHOUS-AMORPHOUS-AMORPHOUS TRANSITIONS IN WATER
   K. Winkel, W. Schusterecher, I. Kohl, C. G. Salzmann, E. Mayer and T. Loerting  641

MECHANICAL STRENGTH AND FLOW PROPERTIES OF ICE-SILICATE MIXTURE DEPENDING ON THE SILICATE CONTENTS AND THE SILICATE PARTICLE SIZES
   M. Yasu and M. Arakawa  649

 ADSORPTION OF ANTIFREEZE PROTEIN AND A COMMERCIAL LOW DOSAGE HYDRATE INHIBITOR ON HYDROPHILIC AND HYDROPHOBIC SURFACES
   H. Zeng, V.K. Walker and J.A. Ripmeester  659

DIFFUSION, INCORPORATION, AND SEGREGATION OF ANTIFREEZE GLYCOPEPTIDES AT THE ICE/SOLUTION INTERFACE
   S. Zepeda, H. Nakaya, Y. Uda, E. Yokoyama and Y. Furukawa  669

Subject Index  677
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