Dear Colleagues,

Since the matrix community was busy publishing this month I thought it was worthwhile posting an issue of MIDE. Please take the time to pass this on to your students, research associates, and colleagues who may be interested. Also, don’t forget to submit your work to the In-Basket through the website (http://www.chem.mun.ca/mi/midesubmission.php).

Sincerely Yours,

Travis D. Fridgen

**Upcoming Conferences** (in order of occurrence)

4th Heron Island Conference, “Synthesis and Mechanism: Reactive Intermediates and Unusual Molecules
July 7-14, 2007, Heron Island, Queensland, Australia

Gordon Conference on the Physics and Chemistry of Matrix Isolated Species
July 15-20, 2007, Bates College, Lewiston, ME

International Symposium on Reactive Intermediates and Unusual Molecules
August 19-24, 2007, Centro Stefano Franscini, Monte Verità, Switzerland
http://www.chem.unifr.ch/tb/ascona_07/
News

DECHEMA AWARD (http://www.dechema.de/65_2006-lang-en.html)
Steven M. Howdle, University of Nottinghan, received the Dechema Prize 2006 of the Max Buchner Foundation for his investigations to the use of supercritical CO$_2$ in the polymer synthesis. Prize is 20,000 Euro or approx. 25,000 US$. 

HONORARY DOCTOR OF SCIENCE (http://www.bulletin.uwaterloo.ca/2006/oct/04we.html)
This past October Marilyn Jacox was the recipient of an honorary doctor of science degree from the University of Waterloo, Waterloo, Ontario, Canada.

REVIEW PAPER PREVIEW
While it is not published in final form yet, I thought that it would be worthwhile including a plug for a Review Article by Marilyn Jacox entitled “The Infrared Spectroscopy of the Products of Ion-Molecule Reactions Trapped in the Solid Rare Gases”. It is already accepted for publication in the International Journal of Mass Spectrometry. It is currently available in manuscript format at http://dx.doi.org/10.1016/j.ijms.2007.02.046

POSTDOCTORAL POSITIONS
National Institute of Advanced Industrial Science and Technology, Osaka, Japan: Qiang XU

Laboratoire de Photophysique Moléculaire, Orsay, France: Claudine Crepin-Gilbert

Editor’s In-Basket

“If news about YOUR research is missing - it is because YOU did not submit it”

To submit your work please go to http://www.chem.mun.ca/mi/midesubmission.php and submit the digital object identifier (DOI).

“Surface electrons over liquid helium in porous media”
Zueva T.I., Kovdrya Yu.Z., and Sokolov S.S.
Low Temperature Physics (Fizika Nizkikh Temperatur); 2007; 33(1); 3.
DOI: will update when available.

“About the cause of electric activity of superfluid helium upon exitation of the second sound waves and the fluctuations of the normal component's speed”
Pashitskii E.A. and Ryabchenko S.M.
Low Temperature Physics (Fizika Nizkikh Temperatur); 2007; 33(1); 12.
DOI: will update when available.
“X-ray diffraction study into the effects of interaction of fullerite C60 crystals with Ne atoms”
Legchenkova I.V., Prokhvatilov A.I., Stetsenko Yu.E., Strzhemechny M.A., and Yagotintsev K.A.
Low Temperature Physics (Fizika Nizkikh Temperatur); 2007; 33(1);119.
DOI: will update when available.

“Conformers and Photochemistry of Propyl Nitrites: A Matrix Isolation Study”
Matyus, E.; Magyarfalvi, G.; Tarczay, G.;
DOI: http://dx.doi.org/10.1021/jp066188b

“Insertion of rare gas atoms into BF3 and AlF3 molecules: An ab initio investigation”
T. Jayasekharan, T. K. Ghanty
J. Chem. Phys.; 2006; 125; 234106
DOI: http://dx.doi.org/10.1063/1.2404662

“Matrix Isolation Infrared Spectroscopic and Theoretical Study of Noble Gas Coordinated Rhodium-Dioxygen Complexes”
Yang, R.; Gong, Y.; Zhou, H.; Zhou, M.;
J. Phys. Chem. A.; 2007; 111(1); 64-70.
DOI: http://dx.doi.org/10.1021/jp0662000

“Matrix Isolation FTIR spectroscopic study of ethane secondary ozonide”
Ruta Barisievičiute, Justinas Ceponkus, and Valdas Sablinskas
Central European Journal of Chemistry; 2005; 5(1); 71-86.
DOI: http://dx.doi.org/10.2478/s11532-006-0073-6

“Infrared Spectra of the Complexes of Trifluoroethene with Dimethyl Ether, Acetone, and Oxirane: A Cryosolution Study”
Wouter A. Herrebout, Sofie N. Delanoye, Bert U. W. Maes, and Benjamin J. van der Veken
J. Phys. Chem. A; 2006; 110(51) pp 13759 - 13768;
DOI: http://dx.doi.org/10.1021/jp065502z

“EPR Studies of Amine Radical Cations. Part 2. Thermal and Photo-Induced Rearrangements of Propargylamine and Allylamine Radical Cations in Low-Temperature Freon Matrices”
Wolfgang Knolle, Igor Janovsk, Sergej Naumov, and Ffrancon Williams
DOI: http://dx.doi.org/10.1021/jp064825s

“IR Spectrum of CH3CN-BF3 in Solid Neon: Matrix Effects on the Structure of a Lewis Acid-Base Complex”
Audrey A. Eigner, John A. Rohde, Christopher C. Knutson, and James A. Phillips
DOI: http://dx.doi.org/10.1021/jp0656375
“High-Resolution ESR Study of the H···CH₃, H···CHD₂, D···CH₂D, and D···CD₃ Radical Pairs in Solid Argon”
Kenji Komaguchi, Kotaro Nomura, and Masaru Shiotani
DOI: http://dx.doi.org/10.1021/jp063723z

“Infrared Spectra of Chlorinated Ethylene Cations: C₂Cl₄⁺, C₂HCl₃⁺, 1,1-C₂H₂Cl₂⁺, and trans-C₂H₂Cl₂⁺ in Solid Argon”
Zhou, H.; Gong, Y.; Zhou, M.;
DOI: http://dx.doi.org/10.1021/jp066618y

“Matrix Isolation and Computational Study of the Photochemistry of 1,3,2,4-Benzodithiadiazine”
Gritsan, N. P.; Pritchina, E. A.; Bally, T.; Makarov, A. Y.; Zibarev, A. V.;
DOI: http://dx.doi.org/10.1021/jp063977k

“Dehydrophenylnitrenes: Matrix Isolation and Photochemical Rearrangements”
Sander, W.; Winkler, M.; Cakir, B.; Grote, D.; Bettinger, H. F.;
DOI: http://dx.doi.org/10.1021/jo061624b

“Matrix isolation study of the photochemical reaction of cyclohexane and cyclohexene with CrCl₂O₂”
Michael D. Hoops and Bruce S. Ault
J. Mol. Struct.; 2007; 826(1); 36-47.
DOI: http://dx.doi.org/10:1016/j.molstruc.206.04.017

“Unimolecular thermal fragmentation of ortho-benzyne”
DOI: http://dx.doi.org/10.1063/1.2409927

“Matrix isolation FTIR spectroscopical study of ethene secondary ozonide”
Ruta Bariseviciute, Justinas Ceponkus and Valdas Sablinskas
Central European Journal of Chemistry; 2007; 5(1); 71-86.
DOI: http://dx.doi.org/10.2478/s11532-006-0073-6
E-Mail Problems

I will post any problems with e-mails on the MIDE link so that problems can be fixed immediately (http://www.chem.mun.ca/mi/mide.php). I will also post any problems that have not been rectified in the next issue of MIDE. Please also let me know if you or someone you know wishes to be added to the distribution list. The following will be deleted from the mailing list unless otherwise notified.