



# Newsletter

## The International Lecithin and Phospholipid Society

**July 2003**

**Editor: Willem van Nieuwenhuyzen**

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### **New ILPS Board**

The ILPS Annual General Meeting on May 4, 2003 in Kansas City, Missouri, USA has elected the officers for the 2003-2005 period:

**President**

Susan Gurkin, Degussa Texturant Systems, [susan.gurkin@degussa.com](mailto:susan.gurkin@degussa.com)

**Vice President**

Joe Casey, The Solae Company, [jcasey@solae.com](mailto:jcasey@solae.com)

**Secretary**

Sean Annesley, American Lecithin Cy, [Sean.Annesley@americanlecithin.com](mailto:Sean.Annesley@americanlecithin.com)

**Treasurer**

Lance Colbert, Archer Daniels Midland, [colbert@admworld.com](mailto:colbert@admworld.com)

**Analytical Secretary**

Bernd Diehl, Spectral Service, [diehl@spectralservice.de](mailto:diehl@spectralservice.de)

Further Board members are:

**Past President**

Willem van Nieuwenhuyzen, The Solae Company, [wvannieuwenhuyzen@solae.com](mailto:wvannieuwenhuyzen@solae.com)

**Members at Large**

Randall E Zigmont, [Randy.Zigmont@AmericanLecithin.com](mailto:Randy.Zigmont@AmericanLecithin.com)

Bernard F. Szuhaj, [bszuhaj@solae.com](mailto:bszuhaj@solae.com)

Walter Shaw, [WaltShaw@AvantiLipids.com](mailto:WaltShaw@AvantiLipids.com)

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### **ILPS Sponsorships**

This year ILPS sponsors following activities

#### **AOCS Phospholipid Division 2003 Best Paper Award**

The 2003 Award winner is Dr. Supanee Danviriyakul and colleagues for the Department of Food Science, University of Massachusetts, Amherst for their paper "Physical Stability of Spray-Dried Milk Fat Emulsion as Affected by Emulsifiers and Processing Conditions". The paper was published in the Journal of Food Science, 67(6), 2183-2189. The paper was presented by Dr. Pavinee Chinachoti during the Phospholipid Division lunch on May 5 at the occasion of the AOCS Annual Meeting in Kansas City. AOCS

Phospholipid Division Chairman Joe Casey handed over the plaque, certificates and the ILPS cheque.

## **AOCS Phospholipid Sessions**

ILPS gave travel support to a few speakers, enabling them to present a paper in one of the 4 Phospholipid sessions at the AM2003 in Kansas City. Abstracts can be reviewed at [www.oacs.org](http://www.oacs.org)

## **ICBL 2003**

The 44<sup>th</sup> International Conference on the Biosciences of Lipids will take place September 7-11, 2003 in Oxford, UK. Organizer is Dr. Richard Bruckdorfer, professor at Oxford University. The annual ICBL congresses focus on basic research with lipids and phospholipids. ILPS sponsors the conference travel fund for PhD students, who present posters. Please visit for more information the website <http://www.rfc.ucl.ac.uk/departments/Biochemistry/meetings/ICBL2003.htm>

You can also search under icbl2003 in Google search engine.

ILPS is in discussion with the ICBL Board about a possible joint organization of the 9<sup>th</sup> ILPS Congress with an ICBL conference in the coming years.

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## **Proceedings 8<sup>th</sup> ILPS Congress 2002**

**AOCS Press, Champaign, Illinois has already published in May 2003 the monograph “Nutrition and Biochemistry of Phospholipids”.** Editors are Bernard F. Szuhaj and Willem van Nieuwenhuyzen.

The focus of the 8<sup>th</sup> International Congress, which was held in Vienna, Austria, September 7-10, 2002, was Nutrition and Biochemistry of Phospholipids. All papers of the four sessions were submitted on time thanks to active cooperation between the Technical Chair Dr Bernard Szuhaj, Secretarial Coordinator Mrs. Carolyn Boone and all the speakers.

This book is an invaluable scientific source of information for all scientists dealing with phospholipids. It contains 21 chapters and 250 pages including an index. For orders please contact AOCS press ([www.aocs.org](http://www.aocs.org)).

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## **Certified Reference Standards**

Since a number of years the ILPS Crude Lecithin Reference Standard is available. Avanti Polar Lipids Analytical Service Division is using validated high performance liquid

chromatography with evaporative light scattering detection (HPLC/ELSD) and <sup>31</sup>P nuclear magnetic resonance (NMR) methods for determination of the composition. For more information contact [info@avantilipids.com](mailto:info@avantilipids.com) or visit web site [www.avantilipids.com](http://www.avantilipids.com). For more information contact the Avanti product hotline 800/227-0651 (US & Canada) or 205/663-2494 (INT). Avanti Polar Lipids has an extensive catalogue of well defined phospholipids products available

Spectral Service Laboratorium fuer Auftragsanalytik GmbH, Cologne, Germany has also a Crude Lecithin Reference Standard available. For more information please contact [info@spectralservice.de](mailto:info@spectralservice.de) or Dr Diehl: [diehl@spectralservice.de](mailto:diehl@spectralservice.de) .

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## **Current ILPS Analytical Activities**

\*The European Analytical subgroup had a meeting in February 2003 to discuss progress on analytical methods for phospholipids composition. Since a number of years the ILPS AM 101 method is a valuable tool for analyzing standard, oil-free and fractionated lecithins by the HPLC – LSc method. This method has been included in the official DGF methods (German Association of Fat Chemistry).

\*A round robin with an adapted HPLC method for hydrolyzed lecithin was less successful. Although repeatability within one laboratory might be acceptable, the reproducibility between laboratories was non sufficient. All methods reviewed so far give problems in peak separation and fluctuating base line. Currently the subgroup has discontinued with the development of a robust method.

\*The development of new HPTLC techniques and methods could be of interest for measuring (lyso)phospholipids and other minor polar lipids in lecithins. The progress will be reviewed.

\*ILPS analytical American subgroup discussed the allergenicity issue of residual proteins in soy lecithins. Dr Steve Taylor and Dr Michael Zeece from the University of Nebraska presented their views on clinical trials and new analytical methods for residual protein analysis on the occasion of 2 AGM meeting in May 2002 and May 2003. No final decision about ILPS sponsorship has been taken.

\*Particularly in Europe the regulatory status of GMO lecithin labeling is reviewed.

\* Next meeting of the European Analytical Subgroup will be held on October 2, 2003 at Spectral Service – Cologne office.

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## **ILPS Information**

For further formation regarding the ILPS or its membership, please contact

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Sean Annesley, Secretary at (+1) 203 262 7106

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For further information about activities please visit website: [www.ilps.org](http://www.ilps.org)

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End -WvN-July 8,2003