

### In this issue...

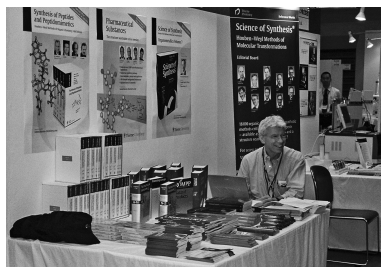
#### The Science of Synthesis Editorial Board Meeting



#### Thieme–IUPAC Prize



#### Summer Conferences



#### Obituary – Murray Goodman



### Welcome from the Managing Director

#### Dear Reader,

I would like to welcome you to the autumn edition of the *Science of Synthesis News*. I am writing on behalf of the Managing Editor of *Science of Synthesis* and *Houben–Weyl* Dr. M. Fiona Shortt de Hernandez, who is currently on maternity leave. It is with great pleasure that I welcome a new member to our *Science of Synthesis* family: Fiona's baby daughter, Marie Ciara Hernandez Shortt, was born on Thursday, August 12th, 2004. Congratulations to the happy parents!



Fiona Shortt de Hernandez with Baby Marie Ciara

The last few months have been a busy time for the *Science of Synthesis* team as they have been working hard to publish Volumes 7 and 19, as well as travelling around the world to meet you, the editors and authors, at various international conferences. The team were present at the 10th Belgian Organic Synthesis Symposium (BOSS-10), where we hosted a dinner for speakers and authors, more of which can be read about in the report by Dr. Mark Smith, Scientific Editor.

The team were also present at the 15th International Conference on Organic Synthesis (ICOS-15) in Nagoya, where the publication of Volume 7 was celebrated at a champagne reception. The ICOS-15 conference coincided with the *Science of Synthesis* Editorial Board meeting, more of which

can be read about in the Editorial Update from Dr. Karen Muirhead, Senior Scientific Editor.

The Thieme–IUPAC prize for Synthetic Organic Chemistry was awarded to Professor John F. Hartwig at the ICOS-15 conference. Lindsey Sturdy, Scientific Editor, gives details of his award lecture and the celebration dinner later in this newsletter.

It is with great sadness that we announce the death of Professor Murray Goodman (Editor-in Chief, *Houben–Weyl*, E 22), who died in Munich on June 1st. His sudden death is a tragic loss to the scientific community and he will be greatly missed.

The Editorial Office has received many positive messages and lots of encouragement for the *Science of Synthesis News*. It is perceived to be an important communication forum for the hundreds of scientists involved in *Science of Synthesis*. Please do not hesitate to contact us if you have any suggestions for the *Science of Synthesis News* (Dr. Christabel Carter, [christabel.carter@thieme.de](mailto:christabel.carter@thieme.de)).

The electronic version of *Science of Synthesis* including the digital archive of *Houben–Weyl* is available with many scientists already having access through their institutions. They use *Science of Synthesis* for their daily research and benefit from the knowledge generated by hundreds of authors. If your institution would like to have access to the electronic version of *Science of Synthesis* please contact our Sales Director Dr. Norbert Kummer ([norbert.kummer@thieme.de](mailto:norbert.kummer@thieme.de)).

Guido F. Herrmann  
Managing Director  
Thieme Chemistry



Visit us on the Internet: [www.science-of-synthesis.com](http://www.science-of-synthesis.com)

Do you have information about yourself or a *Science of Synthesis* colleague for the next newsletter?  
Write to us at [science-of-synthesis@thieme.de](mailto:science-of-synthesis@thieme.de) or [christabel.carter@thieme.de](mailto:christabel.carter@thieme.de)

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## Editorial Update

Karen Muirhead, Senior Scientific Editor

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### Volumes 7 and 19 Published!

Volume 7 [Compounds of Groups 13 and 2 (Al, Ga, In, Tl, Be ... Ba)] was published on July 14th, 2004, and Volume 19 (Three Carbon-Heteroatom Bonds: Nitriles, Isocyanides, and Derivatives) will be published on September 22nd, 2004. Volume 19 is the first of the Category 3 (Compounds with Four and Three Carbon-Heteroatom Bonds) volumes to be published.

Our congratulations go to Professor Hisashi Yamamoto (Volume 7), Professor Shun-ichi Murahashi (Volume 19), and to the responsible members of the editorial board, Professor Ryoji Noyori and Dr Ichiro Shinkai, and all of the authors who contributed to Volumes 7 and 19 on completing the project.

### Publication Schedule *Science of Synthesis*

The next volumes to be published in the *Science of Synthesis* series will be Volume 26 (Ketones), Volume 15 (Six-Membered Heteroarenes with Two Identical Heteroatoms), and Volume 6 (Boron Compounds), all of which are due to be published this autumn. The publication of Volume 15 will complete category 2 (Heteroarenes).

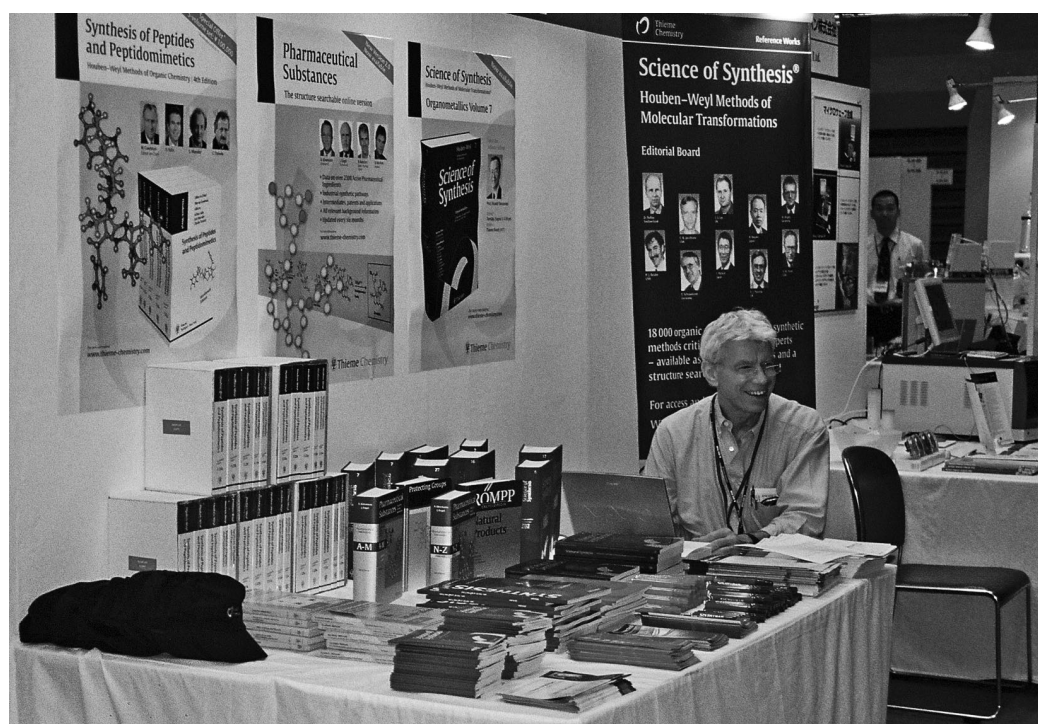
### International Conferences

Over the summer months, members of the editorial team attended a number of international conferences. As always, this pro-



Mark Smith with the Thieme Chemistry stand at BOSS-10

vides a great opportunity for us to meet with authors, volume editors, and members of the editorial board and to discuss the progress of individual contributions and the project in general. Dr. Mark Smith attended the 10th Belgian Organic Synthesis Symposium (BOSS) in July, where we had the pleasure of sponsoring the speakers dinner, details of which will be given later by Mark.



Joe Richmond at the Thieme Chemistry booth at the ICOS in Nagoya

Dr. Christabel Carter and Dr. Claire Twomey were present at the 21st International Conference on Organometallic Chemistry (ICOMC) in Vancouver, Canada in August, and Lindsey Sturdy, Leigh Murray, and myself attended the 15th International Conference on Organic Synthesis (ICOS) in Nagoya, Japan. At the ICOS meeting in Japan we celebrated with Professor Hisashi Yamamoto the publication of Volume 7 with a champagne reception.

### Science of Synthesis Editorial Board Meeting

The Science of Synthesis Editorial Board Meeting took place in the Marriott Hotel, Nagoya, Japan from 6th–8th August 2004. The meeting was attended by seven members of the editorial board; Daniel Bellus, Eric Jacobsen, Steve Ley, Ryoji Noyori, Ernst Schaumann, Ichiro Shin-kai, and E. Jim Thomas, as well as by members of the *Science of Synthesis* editorial office, and the sales and marketing teams. The discussion centered around the status and future of the project, including plans to update *Science of Synthesis*. Representatives of the sales and marketing teams from the Stuttgart office gave presentations showing the major new subscriptions to *Science of Synthesis*. The new electronic product was also extensively discussed. The meeting was not only extremely productive, but also enjoyable, and sincere thanks go to the members of the editorial board for making the trip to Nagoya.



Science of Synthesis Editorial Board Meeting

### Team News

Dr. Claire Twomey and Dr. Mark Smith were both promoted to the position of Scientific Editor on September 1st, 2004. Since joining the team both Claire and Mark have worked extremely hard, along with their colleagues, to help our authors and editors produce top quality volumes. Please join me in wishing them every success in their new positions within Thieme Chemistry.



Claire Twomey,  
Scientific Editor



Mark Smith,  
Scientific Editor

## 10th Belgian Organic Synthesis Symposium (BOSS-10)

The 10th biennial Belgian Organic Synthesis Symposium (BOSS-10) took place in Louvain-la-Neuve from July 12th–16th, 2004. Together with Norbert Kummer (Sales Director) and Caroline Wain (Marketing Assistant), I was very pleased to be part of the Thieme Chemistry presence at this important international conference, which had an attendance of over 400, with both academia and industry well represented. BOSS-10 was chaired by Professor István Markó, Author, Volume 7, and had an extremely high quality lecture program.

### Thieme Dinner at Nulle Part Ailleurs

The Thieme Chemistry dinner, held at Nulle Part Ailleurs, and hosted in collaboration with the BOSS-10 organizing

committee, took place on the first night of the conference and was attended by both *Science of Synthesis* authors and conference speakers, including Keiji Maruoka, Teruaki Mukaiyama, and Craig Forsyth, to name but a few. The atmosphere was relaxed, providing a great opportunity for the exchange of ideas, as well as being a generally enjoyable evening.

### Thieme Chemistry Products Well Received

The Thieme stand was located in an excellent position in the main hall where the poster sessions were held and the attendees congregated between lectures. Thieme was the only publisher present over all five days of the conference. This was certainly worthwhile as interest in

our publications was consistent throughout. As usual, our substantial supply of *Science of Synthesis* caps, pens, and notebooks was decimated by the end of the conference, but the *Science of Synthesis* brochure, guidebooks, and sample contributions also proved very popular. Visitors also took the opportunity to browse through print volumes of *Science of Synthesis*, *Houben–Weyl* and other Thieme Chemistry publications, and many were keen to have personal demonstrations of the electronic version.

In the past year the improvements to the electronic product have been substantial, in particular with the launch of version 2.0 in May. It was a real pleasure to be able to demonstrate the product to attendees using the new interface,

Mark Smith, Scientific Editor  
[mark.smith@thieme.de](mailto:mark.smith@thieme.de)



which offers a wide range of search features within a logical structure. Its intuitiveness was demonstrated by the fact that those unfamiliar with *Science of Synthesis* were quickly able to use its facilities with little prompting. The close integration of the *Houben–Weyl* back files was also well received. Chemists with an initial interest in our *Pharmaceutical Substances* product were readily persuaded to also look at *Science of Synthesis* owing to the consistency of their electronic interfaces.

The number of published *Science of Synthesis* volumes has doubled in the past year and the editorial team is working hard to ensure that future volumes are published in a timely fashion. Attending conferences such as BOSS-10 allows us to meet and get to know authors and editors we would otherwise only correspond with via e-mail regarding editorial matters, and facilitates useful feedback in both directions. It also provides valuable contact with actual and potential end-users, whose views are important to us both in terms of our editorial work and for the electronic product.

Please check our Web site ([www.thieme-chemistry.com](http://www.thieme-chemistry.com)), under conferences, to find out which confer-



Mark Smith (front left), Norbert Kummer (head of table), and Caroline Wain (standing) at the BOSS-10 Authors and Speakers Dinner

ences we will be exhibiting at in the near future. Our 2005 conference schedule will be posted there within the next few weeks. If you are organizing a conference and feel that it would be a good opportunity for Thieme Chemistry to

meet people and promote its products, please do not hesitate to contact us at: [marketing@thieme-chemistry.com](mailto:marketing@thieme-chemistry.com). We look forward to hearing from you and also meeting you at one of these events.

## Thieme–IUPAC Prize in Synthetic Organic Chemistry

Lindsey Sturdy, Scientific Editor

[lindsey.sturdy@thieme.de](mailto:lindsey.sturdy@thieme.de)



In recognition of his remarkable achievements in the field of organic synthesis, the 7th Thieme–IUPAC Prize was awarded to John F. Hartwig during the 15th International Conference on Organic Synthesis (ICOS-15) in Nagoya, Japan.

The IUPAC–ICOS series of conferences have been the scene for the Thieme–IUPAC prize since the first award was given in 1992, and it was particularly pleasing to discover that ICOS-15 also featured plenary lectures from three past prizewinners. The conference, organized by Hisashi Yamamoto and Minoru Isobe, featured a wealth of scientific information presented in the form of the Thieme–IUPAC Prize and two Nagoya Medal award lectures, 30 plenary and invited lectures, and over 450 oral and poster presentations. The program dealt with pertinent aspects of creative new methods and applications in organic synthesis and was enjoyed by approximately 1000 delegates.

John F. Hartwig was announced as the recipient of this year's prize in the spring. The choice acknowledges the direct and relevant impact of Hartwig's research on synthetic chemists worldwide with its broad scope including areas such as the palladium-catalyzed amination of aryl halides and  $\alpha$ -arylation of carbonyl compounds, important for the synthesis of pharmacologically active compounds. The number of high calibre candidates put forward for the prize has increased since 1992, and the deliberation of who should be recognized as the 2004 prizewinner was efficiently dealt with by the selection committee. Chaired for a fourth term by Victor Snieckus, whose dedication to the prize has aided its growth over the years, the committee comprised of Derrick Clive, Dennis Curran, Robert Grubbs, Lewis Mander, Bob Volkman, and Hisashi Yamamoto.



Victor Snieckus Presenting the Thieme–IUPAC Prize to John F. Hartwig

### Thieme–IUPAC Award Lecture

The award ceremony took place on the morning of August 3rd, 2004, and Hisashi Yamamoto began by talking about the organizing committee's involvement. Leiv K. Sydnes, President of IUPAC, then spoke about the importance of the prize and the collaboration of Thieme and IUPAC. We very much ap-

preciate him and IUPAC for advocating the prize and for their encouragement. David Black, Secretary General of IUPAC and volume editor for Volume 15, and Frank McDonald, Chairman of the Subcommittee on Organic Synthesis, were very involved during the nominations process, and they and the IUPAC secretariat have given the prize valuable support.

Thieme is currently the only publisher working in collaboration with IUPAC on a prize that recognizes a chemist's work in its relative infancy rather than in recognition of lifetime achievements. Guido F. Herrmann emphasized this point during his speech and reiterated the importance of the prize as a way to encourage the younger generation of chemists.

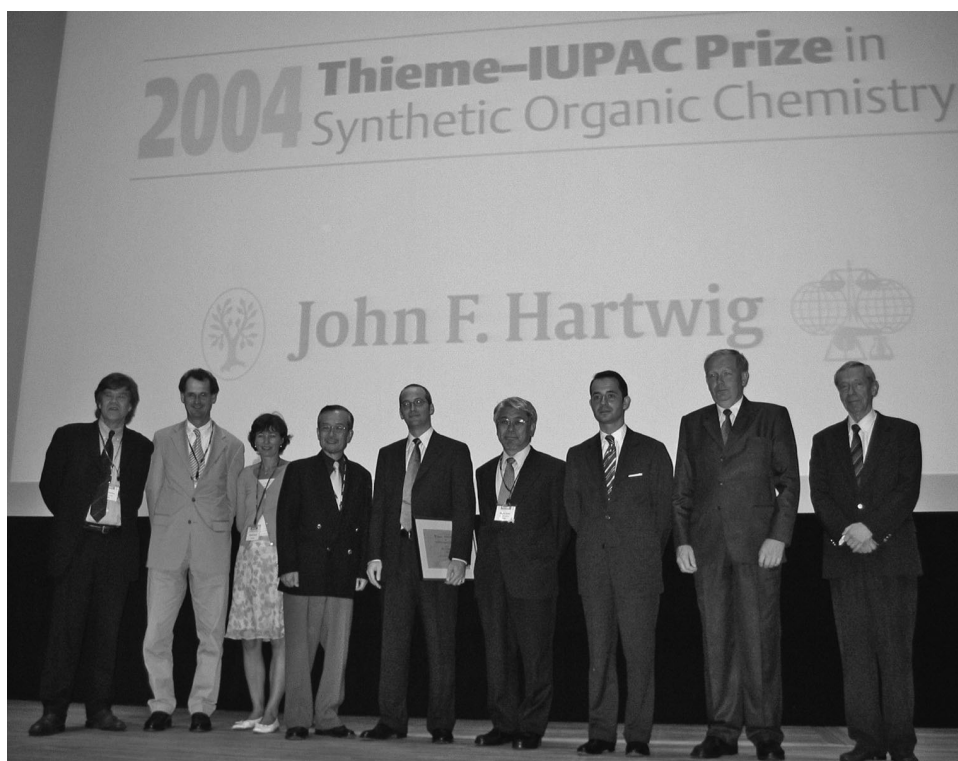
After a short talk on the highlights of John F. Hartwig's career and a more personal biography, Victor Snieckus presented the prize certificate. The ceremony was followed by John F. Hartwig's award lecture on the "Discovery and Understanding of New Transition Metal Catalyzed Substitution Reactions". This gave a synopsis of his group's work to whom he attributed the prize. Following reactions valuable to organic synthesis, the lecture included the development of catalysts for these reactions with research into the mechanistic details. An individual account of this work is planned for *SYNLETT*.

### Celebration Dinner

To celebrate his win, nearly 60 guests attended a dinner in honor of John F. Hartwig at Kamome in the old part of Nagoya. Traditional with award dinners in the past, this year's venue, organized by Hisashi Yamamoto, reflected the location and had a unique ambience. After tea and walking through tatami-matted corridors past ornamental Japanese gardens, everybody enjoyed a splendid Kaiseki dinner during which Guido F. Herrmann thanked those involved.



Dinner at Kamome – Kirsti Sydnes and Leiv K. Sydnes, President of IUPAC



Victor Snieckus, Albrecht Hauff, Sabrina Hauff, Hisashi Yamamoto, John F. Hartwig, Minoru Isobe, Guido F. Herrmann, Leiv K. Sydnes, and David Black

Both Victor Snieckus and Hisashi Yamamoto are familiar faces to Thieme as editors of both *SYNLETT* and Volumes 8 and 7, respectively. I'd like to thank them for providing a firm foundation for the prize's success both in the selection process and in making the presentation and dinner a memorable experience.

More information on the prizewinner, his work, and the prize itself can be found at [www.science-of-synthesis.com/thieme-chemistry/iupac/info/win2004/index.shtml](http://www.science-of-synthesis.com/thieme-chemistry/iupac/info/win2004/index.shtml).

The Thieme-IUPAC prize is awarded every two years to a scientist under 40 years of age whose research has had a major impact in synthetic organic chemistry. The 8th Thieme-IUPAC prize will be presented at ICOS-16 in Mérida, Yucatán, Mexico, June 11–15, 2006; the call for nominations for this prize will be opened in June 2005. For further information please contact me ([lindsey.sturdy@thieme.de](mailto:lindsey.sturdy@thieme.de)).



Dinner at Kamome – Hisashi Yamamoto, Michiyo Yamamoto, John F. Hartwig, Victor Snieckus, Ernst Schaumann, Sabrina Hauff, Ryoji Noyori, and Hiroko Noyori

The *Science of Synthesis* team would like to extend a warm welcome to the following new authors:

### Volume 18

Professor R. G. S. Berlinck (Universidade de Sao Paulo, Sao Carlos, Brazil)

### Volume 23

Prof. Dr. J. M. Aizpurua (Universidad del Pais Vasco, San Sebastian, Spain)

Prof. Dr. I. Ganboa (Universidad del Pais Vasco, San Sebastian, Spain)

Dr. E. Gomez-Bengoa (Universidad del Pais Vasco, San Sebastian, Spain)

Dr. M. Oiarbide (Universidad del Pais Vasco, San Sebastian, Spain)

### Volume 24

Prof. W. Kantlehner (Fachhochschule Aalen, Aalen, Germany)

Prof. T. Murai (Gifu University, Gifu, Japan)

### Volume 25

Prof. B. Witulski (Westfälische Wilhelms-Universität, Münster, Germany)

### Volume 33

Dr. D. Avilov (Syracuse University, NY, USA)

Dr. R. Gómez Arrayas (Universidad Autónoma de Madrid, Madrid, Spain)

Dr. M. Gulea (UMR, CNRS 6507, Caen, France)

Prof. P. Kielbasinski (Polish Academy of Science, Lodz, Poland)

Prof. M. Mikolajczyk (Polish Academy of Science, Lodz, Poland)

Prof. H.-U. Reißig (Freie Universität, Berlin, Germany)

Prof. T. Sarmakia (University of Colorado, Boulder, CO, USA)

Dr. R. Zimmer (Freie Universität, Berlin, Germany)

## Obituary – Professor Murray Goodman

Luis Moroder, Editor, *Houben–Weyl E 22*

[moroder@biochem.mpg.de](mailto:moroder@biochem.mpg.de), Max-Planck-Institute of Biochemistry, Martinsried, Germany



Murray Goodman, professor of chemistry and biochemistry at the University of California, San Diego (UCSD), and a pioneer in the field of bioorganic chemistry and structural biology, and particularly of peptide chemistry, died on June 1st, 2004, from pneumonia during a scientific visit to Munich, Germany. He was 75 and his sudden death is a tragic loss for the worldwide scientific community.



Murray Goodman

Born and raised in New York City, Goodman received a B.S. from Brooklyn College in 1950. He earned his Ph.D. from UC Berkeley in 1953. After conducting postdoctoral research at Massachusetts Institute of Technology, and later at Cambridge University, he joined the faculty at the Polytechnic Institute in Brooklyn in 1956, becoming director

of the Polytechnic's Polymer Research Institute. In 1970, Goodman joined the UCSD faculty as a professor of chemistry and remained there for the rest of his career, serving as chair of the Department of Chemistry for six years.

Goodman's research involved the chemistry of peptides and peptidomimetics, their conformational analysis and the study of how their structure affects their function in complex biological systems. His exceptional scientific productivity, with over 500 original research papers to his credit, has been recognized worldwide by numerous awards and honors. For his achievements in peptide science he was awarded with the Scoffone Medal, University of Padova (1980), the Humboldt-Foundation Award, Germany (1986), the Pierce Award, American Peptide Society (1989), the Max-Bergmann Medal (1991), and the American Chemical Society Ralph Hirschmann Award for Peptide Chemistry (1997). The strong impact of his research on the advancement of science in

chemistry was further recognized with the Herman F. Mark Polymer Chemistry Award (2000) and the Arthur C. Cope Scholar Award (2001) from the American Chemical Society.

Murray Goodman pioneered the field of peptide chemistry, not only with his research, but through his intensive editorial activities. As Editor-in-Chief of *Biopolymers* from 1963 and the founding editor of *Peptide Science*, he created forums where chemistry meets structural research and biology at the frontier of science. Most recently, as Editor-in-Chief of *Houben–Weyl E 22* he succeeded in comprehensively reviewing the state-of-the-art in the five-volume treatise "Synthesis of Peptides and Peptidomimetics".

He leaves a superb compendium of peptide chemistry as his legacy to the worldwide research community which will miss the great and illuminate scientist, an inspiring teacher and mentor, and as many will remember him, a very dear and unforgettable friend.