



Science of Synthesis News

Volume 2, Issue 1 March 2002

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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 or katharine.bray@thieme.de

 Thieme

Welcome from the Managing Director

guido.herrmann@thieme.de

Dear Reader,

It is with great pleasure that I welcome you to the fourth *Science of Synthesis* Newsletter.

In this issue Dr. M. Fiona Shortt, Managing Editor, will report on the *Science of Synthesis* Editorial Board Meeting, which took place in Stuttgart from January 19–21. The Editorial Board Meeting is the most important event for



Norbert Kummer, Sales Director, Stuttgart.

Science of Synthesis and takes place every other year.

Starting from 2002 we will start selling the electronic version of *Science of Synthesis* directly to customers worldwide.

Dr. Norbert Kummer, Sales Director, will operate from our Stuttgart office.



Dr. Kristina Kurz, Sales Manager, and Alexandra Williams, Sales Associate, are located in our New York Office. Please contact them directly if your institution wants to subscribe to *Science of Synthesis*.

Dr. Rolf Hoppe will introduce you to one of our cooperation partners, the FIZ Karlsruhe. Dr. Thomas Krimmer presents some of the conferences where you can meet us this year, and Kristina Kurz will report on our sales activities in the USA.

Since the last newsletter *Science of Synthesis* volumes 4 and 11 have been published and my congratulations go to the editors, the authors, and the entire editorial team.

Finally, I would like to congratulate Prof. Erick Carreira, ETH Zurich, the recipient of the 2002 Thieme-IUPAC award. This prestigious award is a true recognition of Erick Carreira, being one of the leading young scientists in organic chemistry. Erick Carreira is on the Editorial Board of the Thieme journal SYNTHESIS. Erick Carreira will receive his award on the occasion of the ICOS-14 meeting (IUPAC 14th International Conference on Organic Synthesis; July 14–19, 2002) in Christchurch, New Zealand. We hope to meet you there!

Guido F. Herrmann
Managing Director
Thieme Chemistry



Alexandra Williams, Sales Associate, and Kristina Kurz, Sales Manager, New York.

Editorial Board Meeting in Stuttgart



The *Science of Synthesis* Editorial Board Meeting January 2002. From left to right: Ichiro Shinkai, Steve Ley, Barry Trost, Daniel Bellus, Ryoji Noyori, Ernst Schaumann, Eric Jacobsen, Jim Thomas.

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Editorial Update

M. Fiona Shortt, Managing Editor

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The *Science of Synthesis* editorial board meeting took place in the Copthorne Hotel, Stuttgart, from 19–21 January 2002. This meeting was attended by D. Bellus, E. N. Jacobsen, S. V. Ley, R. Noyori, E. Schaumann, I. Shinkai, E. J. Thomas, B. M. Trost and by the *Science of Synthesis* editorial office, and sales and marketing team. The progress made with the project so far was assessed and the volumes to be published in the future were discussed. Marketing and sales concepts were also discussed in detail. A final decision was made on which of the editorial board members are responsible for volumes 28–48. We would like to say a sincere thanks to the members of the editorial board for making the trip to Stuttgart and for participating in this productive and successful meeting.

Science of Synthesis, Volume 11 (Five-Membered Heteroarenes with One Chalcogen and One Additional Heteroatom), 1160 pages, and *Science of Synthesis*, Volume 4 [Compounds of Group 15 (As, Sb, Bi) and Silicon Compounds], 1060 pages, were published on December 19th, 2001. The responsible member of the editorial board and volume editor for Volume 11 was Professor Ernst Schaumann. The responsible member of the board for Volume 4 was Professor Steve Ley and the volume editor Professor Ian Fleming. Special congratulations go to Ernst Schaumann, Ian Fleming, and the authors for producing two high quality volumes.

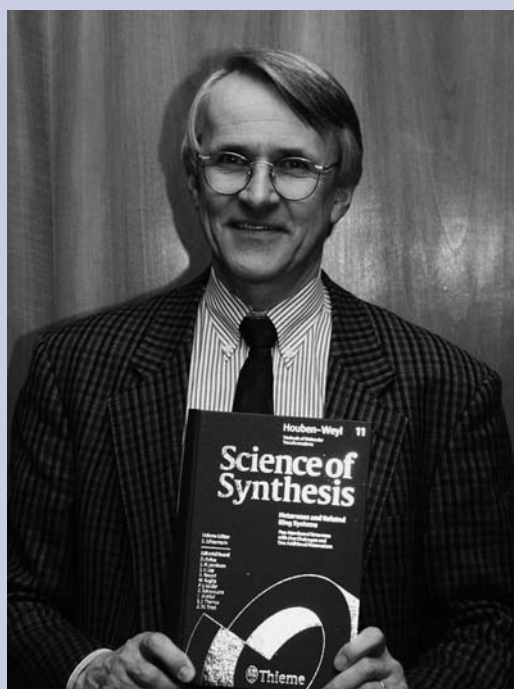


The next two volumes to be published in the first half of this year are *Science of Synthesis*, Volume 12 (Five-Membered Heteroarenes with Two Nitrogen or Phosphorus Atoms – Bellus/Neier) and *Science of Synthesis*, Volume 2 [Compounds of Groups 7–3 (Mn..., Cr..., V..., Ti..., Sc..., La..., Ac...) – Noyori/Imamoto].

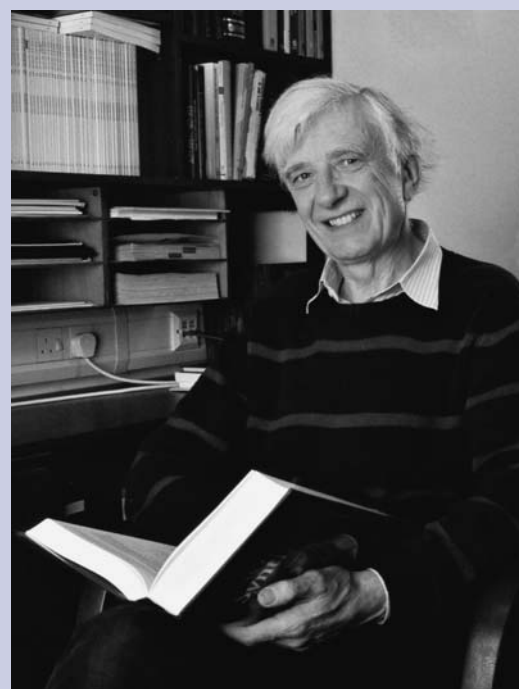
Currently, the editorial team is also busy testing the electronic product and helping with the design of the interface and help manual.

Dr. John Buckingham, CRC/Chapman and Hall, visited the editorial office from January 28–29, 2002 to give a nomenclature course to the editorial team. This course gave the members of the team the tools that they need to tackle the more difficult nomenclature problems that they encounter in their work. Background information on the CAS and IUPAC nomenclature systems was given and some of the trickier topics such as the naming of organometallic complexes and sugars were dealt with. The team really appreciated the course and found it most beneficial.

Finally, I would also like to introduce one of our cooperation partners Advanced Chemistry Development (ACD). The collaborative relationship was established in 2000, when ACD's systematic naming software was adopted as the in-house reference. Close examination of the available systematic naming products on the market demonstrated



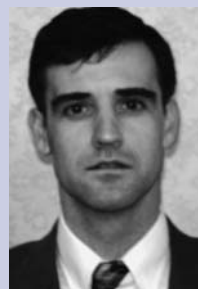
Ernst Schaumann, Volume Editor of Volume 11, Institut für Organische Chemie der TU Clausthal, Germany.



Ian Fleming, Volume Editor of Volume 4, University of Cambridge, UK.

that Advanced Chemistry Development tools showed the highest quality and accuracy in generating systematic names.

Dr. Antony Williams, VP of Scientific Development and Marketing for ACD, comments that ACD is



Antony Williams, VP of Scientific Development and Marketing for ACD.

fully committed to setting the standard for computer-based nomenclature generation without putting the essential quality of the nomenclature standards at risk. There are two commonly adopted standards in the world of nomenclature: IUPAC and CAS Index names. ACD products are uniquely placed since they can produce systematic names for both standards from an electronic structure input (http://www.acdlabs.com/products/name_lab/). When software is utilized for the creation of systematic names, it is less likely that the reverse process of converting a name into a structure will produce the incorrect structure. Published media commonly contain near-systematic names that are difficult to reverse to the correct structure without ambiguity. This problem was certainly made obvious during the past two years of development of a product which will reverse a systematic name to generate the resulting structure (http://www.acdlabs.com/products/name_lab/renamer/).

ACD's efforts to continue to drive the issue of "Quality in Naming Software" is supported by Antony's membership of the Division VIII IUPAC Committee, Division of



The *Science of Synthesis* Nomenclature Course. From left to right: Deirdre Potts, Susanne Haak, Katharine Bray, John Buckingham, Fiona Shortt, Susanna Stephen, Karen du Plooy, Lindsey Sturdy, Karen Muirhead, Ayse Abdullah.

Chemical Nomenclature and Structure Representation as well as the participation of the head of the development group, Dr. Andrey Erin, as a titular member of the IUPAC committee for Chemical Nomenclature in Organic Chemistry for the past few years.

ACD even provides a Free Naming service online with collaboration

of IUPAC (www.iupac.org/nomenclature/ACD/calc_3dparty.html).

Reviews by Lindsey Sturdy and Fiona Shortt of ChemSketch and IUPAC/Name, respectively, can be viewed at the ACD website (www.acdlabs.com/publish/chemsketch_reviews.html and www.acdlabs.com/products/name_lab/iupac/reviews.html).

Erick Carreira Wins 2002 Thieme–IUPAC Prize



Professor Erick Carreira, ETH Zurich, Switzerland, is to be awarded the 2002 Thieme–IUPAC Prize in recognition of his outstanding achievements in the field of synthetic organic chemistry. His research focuses on the asymmetric synthesis of biologically active, stereochemically complex, natural products, and has resulted in the highly lauded syntheses of challenging target molecules and the development of catalytic and stoichiometric reagents for asymmetric stereocontrol using an approach that is both innovative and elegant. He will be presented the prize at ICOS-14 in Christchurch, New Zealand on 16 July, 2002. More details will appear in the next issue of the *Science of Synthesis* newsletter.

Personal News

Editorial Board Member Prof. Barry M. Trost (Stanford University, USA), jointly with Dr. F. Dean Toste, is the recipient of the 2002 Nobel Laureate Signature Award for Graduate Education in Chemistry. The award address will be presented before the ACS Division of Organic Chemistry at the 223rd ACS national meeting in Orlando, Florida in April.

This year's Frederic Stanley Kipping Award in Silicon Chemistry will be presented to Volume 4 author Prof. Kohei Tameo (Kyoto University, Japan). This award will be presented at

the 13th International Symposium on Organosilicon Chemistry in Guanajuato, Mexico, in August.

Houben–Weyl E22 authors Prof. Horst Kessler (Institut für Organische Chemie, München, Germany) and Dr. Robert S. Hodges (University of Colorado, Denver, CO) have received the 2002 Vincent du Vigneaud award of the American Peptide Society. This was presented in February at the Gordon Research Conference, Ventura, CA, USA. Horst Kessler has also received the Max-Planck-Forschungspreis for Chemistry 2001.

Volume 4 author Dr. Michael North (King's College, London, UK), in collaboration with teams from 5 countries, was awarded the 2001 Descartes Prize for a project on the development of asymmetric catalysts for chemical manufacturing. The prize was awarded at Bibliothèque Solvay in Brussels, in November 2001.

The 2002 Laureats du Grand Prix was presented to Volume 7 Volume Editor Prof. Hisashi Yamamoto (Nagoya University, Japan) and Prof. Henri Kagan in January 2002.

Welcome to New Authors

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

Volume 5 Compounds of Group 14 (Ge, Sn, Pb)

Dr. J. Podlech (Universität Stuttgart, Germany)

Volume 6 Boron Compounds

Dr. G. Chen (PTC Therapeutics, USA)

Volume 18 Four Carbon–Heteroatom Bonds: $X-C\equiv X$, $X-C=X$, $X_2C=X$, CX_4

A. S. Nagle (University of South Florida, USA)

Volume 19 Three Carbon–Heteroatom Bonds: Nitriles, Isonitriles, and Derivatives

Dr. U. Bergsträsser (Universität Kaiserslautern, Germany)

Dr. H. Heydt (Universität Kaiserslautern, Germany)

Prof. Y. Ito (Kyoto Pharm University, Japan)

Prof. S. Kanemase (Kyushu University, Japan)

Prof. P. Langer (Institut für Organische Chemie, Göttingen, Germany)

Prof. S. Murahashi (Okayama University of Science, Japan)

Dr. M. North (Kings College, University of London, UK)

Dr. A. Schmidt (Technische Universität Clausthal, Germany)

Dr. L. R. Subramanian (Universität Tübingen, Germany)

Volume 21 Three Carbon–Heteroatom Bonds: Amides and Derivatives; Polyamides and Peptides; Lactams

Prof. J. Aube (University of Kansas, USA)

Prof. D. J. Austin (Yale University, USA)

Prof. J. K. Cha (University of Alabama, USA)

Prof. P. R. Hanson (University of Kansas, USA)

Prof. R. P. Hsung (University of Minnesota, USA)

Dr. M. F. Lipton (Pharmica Corporation, Kalamazoo, USA)

Prof. F. A. Luzzio (University of Louisville, USA)

Prof. M. J. Miller (University of Notre Dame, USA)

Prof. M. P. Sibi (North Dakota State University, USA)

Prof. M. B. Smith (University of Connecticut, USA)

Dr. D. Stein (Université de Montpellier, France)

Volume 23 Three Carbon–Heteroatom Bonds: Ketenes and Derivatives

Dr. D. M. Bennent (Abbott Bioresearch Center, Worcester, USA)

Prof. R. B. Danheiser (Massachusetts Institute of Technology, USA)

Dr. G. B. Dudley (Sloan-Kettering Institute for Cancer Research, New York, USA)

Prof. H. W. Moore (University of California, Irvine, USA)

Prof. C. Palomo (Universidad del País Vasco, Spain)

Prof. H. Perst (Philips-Universität Marburg, Germany)

Dr. C. Spanka (Novartis Pharma AG, Basel, Switzerland)

Prof. T. Tidwell (University of Toronto, Canada)

Prof. C. Wentrup (University of Queensland, Australia)

Volume 26 Ketones

Prof. M. Y. Astiz (Universidad de Alicante, Spain)

Dr. D. Cahard (Université de Rouen, France)

Dr. P. Capdevielle (ESPCI, Paris, France)

Dr. I. Chataigner (Université de Rouen, France)

Dr. D. Desmaele (Unité de Chimie Organique Associée au CNRS, Chatenay-Malabry, France)

Dr. B. Figadère (Saint Chéron, France)

Dr. X. Franck (Faculté de Pharmacie, Chatenay-Malabry, France)

Dr. A. Harrison-Marchand (Université de Rouen, France)

Prof. Y. Landais (Université de Bordeaux, France)

Dr. J. Maddaluno (Université de Rouen, France)

Prof. C. Nájera (Universidad de Alicante, Spain)

Dr. J.-L. Parrain (Université d'Aix-Marseille, France)

Dr. J.-C. Plaquevent (Université de Rouen, France)

Dr. J. Rodriguez (Reactivité en Synthèse Organique, Marseille, France)

Dr. J. Salaün (Université de Paris-Sud, France)

Dr. J. Suffert (Faculté de Pharmacie de Strasbourg, France)

Prof. P. Vogel (Ecole Polytechnique Fédérale de Lausanne, Switzerland)

Volume 27 Heteroatom Analogues of Aldehydes and Ketones

Prof. V. K. Aggarwal (University of Bristol, U.K.)

Prof. M. J. Dabdoub (Universidade de Sao Paulo, Brazil)

Prof. N. De Kimpe (University of Gent, Belgium)

Dr. W. Eberbach (University of Freiburg, Germany)

Prof. L. Fisera (Slovak University of Technology, Slovak Republic)

Dr. H. Heydt (Universität Kaiserslautern, Germany)

Dr. C. O. Kappe (Karl-Franzens-University, Graz, Austria)

Dr. S. Kim (Institute of Chemistry KAIST, Korea)

Dr. J. J. Li (Pfizer Global Research & Development, USA)

Prof. P. Merino (University of Zaragoza, Spain)

Prof. K. Narasaka (University of Tokyo, Japan)

Prof. E. Niecke (Universität Bonn, Germany)

Prof. R. A. Pilli (Instituto de Química, Brazil)

J. Richardson (University of Bristol, U.K.)

Prof. J. G. Schantl (Universität Innsbruck, Austria)

Prof. R. Schobert (University of Bayreuth, Germany)

Dr. K. A. Tehrani (University of Gent, Belgium)

Dr. D. M. Wilson (Du Pont Pharmaceutical Research, USA)

Prof. B. Zwanenburg (University of Nijmegen, The Netherlands)

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As we are approaching the official launch of the electronic version of *Science of Synthesis* this spring we have greatly increased our efforts to bring this exciting news to the chemistry community in the USA and Canada.

As in previous years we are going to attend the spring and fall ACS meetings, this year in Orlando FL and Boston MA. The largest international meetings of chemistry professionals offer us the unique possibility to show the electronic version to literally hundreds of chemists a day. In addition we will exhibit for the first time at the Special Library Association (SLA) meeting in Los Angeles (June 8–11, 2002). The SLA has a very strong chemistry section and the meeting hosts a large proportion of information specialists from the corporate world. Again, a brilliant opportunity to spread the word about this unique electronic resource: *Science of Synthesis!*

For those who don't have time to attend meetings: we have been and continue to do on-site visits for cor-

porate customers and leading consortia of academic research libraries. So far we have shown the beta version of the reaction database and reference work to over 30 pharmaceutical companies and the feedback was overwhelmingly positive. Besides the world class content the chemists value the easy to use interface and the accuracy and speed of the reaction database... and they haven't even seen the product version yet!

If you or someone you know would like to see the electronic version of *Science of Synthesis* please feel free to contact me for an appointment.

**Electronic Product**

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In this issue of the *Science of Synthesis* Newsletter I would like to introduce the host of the electronic version of *Science of Synthesis*. The Fachinformationszentrum (FIZ) in Karlsruhe, Germany, <http://www.fiz-karlsruhe.de>.



Andreas Barth.

Barth has contributed significantly to the electronic version of *Science of Synthesis*.

The FIZ supplies customers in research organizations, teaching organizations, industry, and business with electronic scientific and technical information. The main emphasis of the FIZ services are: chemistry, pharmaceuticals, medicine, agrochemistry; patents; engineering, materials; physics, astronomy, astrophysics; mathematics, and computer science.

The FIZ offers the following worldwide Services: Online-service

We are very happy to have such a strong cooperation partner. We are also very grateful to Dr. Andreas Barth, Director Online Service, FIZ and member of the Advisory Board of *Science of Synthesis*. Andreas

via STN International and in the Internet (featuring 213 International databases in science and technology, including more than 308 million entries); document delivery service, including electronic full texts; production of databases and other electronic products; publishing services; IT services; education and training.

The FIZ is part of the STN International Worldwide Network (the other members are the American Chemical Society/Chemical Abstracts Service and the Japan Science and Technology Corporation/Japan). More than 150,000 registered users are served from two service centers in Karlsruhe and Columbus, Ohio.

We are extremely pleased to have FIZ as our cooperation partner for the electronic version of *Science of Synthesis*.



The Marketing Team

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As you might have already noticed, over the last few months we have been updating our websites. Now featuring a new and more functional header, the website <http://www.science-of-synthesis.com> is fully integrated into our general site www.thieme-chemistry.com. Furthermore, it is now conveniently interconnected with all other Thieme Chemistry products, Houben-Weyl, Pharmaceutical Substances, and our journals SYNTHESIS and SYNLETT. Within the next few weeks, we will have a site for every product, based on the same design and functionality. They will all be accessible through our entry page www.thieme-chemistry.com and you will be able to easily switch between different information, news, and even the electronic products, thus making our Internet site a portal for synthetic organic chemistry information. New features have also been added, like an online publication schedule, and we are permanently updating the information about new volumes published and forthcoming publication dates. Whatever happens in the *Science of Synthesis* community will be published in the news section and changes in the personnel are immediately reflected in the people section. This site is now ready for the forthcoming launch of the electronic version of *Science of Synthesis*, which will be available soon through this interface. Nevertheless, we are continuously working on this very important platform and are open for suggestions, ideas, and critics. So please do not hesitate to tell us what you think about the site, what you are missing, or what you want to be changed.

In addition to updating our website, we have also updated the printed marketing material used to inform you about *Science of Synthesis* now including the latest addition to the editorial board as well as other new details, especially the publication data. We have used this opportunity to polish the design and layout of the long used 4-page pamphlet. A copy of this new edition is enclosed with this newsletter. Please contact us directly if you require some of these to distribute to friends and colleagues if you think it would be of interest. Additional material is available and will be present on our booths at various conferences throughout the year. If you think it can be used elsewhere simply write us an e-mail, as some of you have done in the past.

A few weeks ago you would have received the 2002 list of conferences we are attending and the other conferences where we will have materials in the attendee's bag, or a small display of selected volumes of *Science of Synthesis*. This list is also available online via www.thieme-chemistry.com. We asked for feedback on these lists and have had some response. This has helped us to coordinate our presences with your schedules and given us hints of conferences that we may have missed. This is very much appreciated and extremely helpful to market *Science of Synthesis* efficiently at the right occasions.

To ensure we make use of the chance of meeting you at the conferences we will be attending, we would like to ask you, once again, to inform us about your conference schedule for 2002. It will be our pleasure to invite you to one of the Thieme dinners, as in previous years, that we will give at some of these conferences. Our plans for the first half of 2002 are currently to be present at the upcoming



- Chemiedozententagung, Cologne, March
- ACS meeting, Orlando, April
- BOSS-9, Namur, July
- ICOS-14, Christchurch, July (Thieme-IUPAC prize will be presented here).

We hope to meet as many of you as possible at one of these upcoming conferences. You will always have the chance to have a look at the online version of *Science of Synthesis* – don't miss it!

Thieme Chemistry: Homepage - Microsoft Internet Explorer

Address: <http://www.thieme-chemistry.com>

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