

JOURNAL OF THE CHEMICAL SOCIETY

Chemical Communications

Number 9
1994

CONTENTS

- Annie Thellend, Pierrette Battioni, Daniel Mansuy 1035 Ammonium Acetate as a Very Simple and Efficient Cocatalyst for Manganese Porphyrin-catalysed Oxygenation of Hydrocarbons by Hydrogen Peroxide
- Guo-Zhi Wang, Ulrika Andreasson, Jan-E. Bäckvall 1037 Aerobic Oxidation of Secondary Alcohols *via* Ruthenium-catalysed Hydrogen Transfer Involving a New Triple Catalytic System
- José Salta, Yuan-Da Chang, Jon Zubieta 1039 Investigations of the V/O/RAsO₃²⁻ System: Solvothermal Synthesis and Crystal and Molecular Structure of [(V₂O₃)(Ph₆As₆O₁₄)]
- Bharat L. Newalkar, Raksh V. Jasra, Vinayak Kamath, Thirumaleshwara S. G. Bhat 1041 A Rapid Synthesis of the Molecular Sieve AlPO₄-5 with Aluminium Triisopropoxide
- Vladislav Kanazirev, Valentin Valtchev, Mikhail P. Tarassov 1043 Long-distance Transfer of Indium into Large HZSM-5 Crystals
- Claus Feldmann, Martin Jansen 1045 Gradual Anionic Character of Gold in Ternary Perovskite Type Oxides
- Franca M. Cordero, Alberto Brandi, Francesco De Sarlo, Giovanni Viti 1047 Unprecedented Rearrangement of 5-Benzoyl Substituted Bicyclic Isoxazolidines to Dehydro Pyrrolizidin-2-ones and Indolizidin-2-ones
- Brendan F. Abrahams, Michaele J. Hardie, Bernard F. Hoskins, Richard Robson, Elizabeth E. Sutherland 1049 Infinite Square-grid [Cd(CN)₂]_n Sheets linked together by either Pyrazine Bridges or Polymerisable 1,4-bis(4-pyridyl)butadiyne Bridges arranged in an Unusual Criss-cross Fashion
- Yasushi Mizobe, Kohjiro Hashizume, Tohko Murai, Masanobu Hidai 1051 Preparation and X-Ray Crystal Structures of Trinuclear Ruthenium(II) Clusters containing Capped Sulfide Ligands, [Ru₃(C₅Me₅)₃(μ₃-S)(μ₃-Cl)] and [Ru₃(C₅Me₅)₃(μ₃-S)(μ₃-SPri)]
- Anthony G. M. Barrett, Mark A. Seefeld, David J. Williams 1053 A Convenient Asymmetric Synthesis of *anti*-β-Amino Alcohols: an X-Ray Crystallographic Study of (4*R*)-2,2-Dimethyl-4-[(2*S*)-(diphenylmethyleamino)-(1*S*)-hydroxybut-3-en-1-yl]-1,3-dioxolane
- Xi Zhang, Manglai Gao, Xiangxing Kong, Yipeng Sun, Jiacong Shen 1055 Build-up of a New Type of Ultrathin Film of Porphyrin and Phthalocyanine based on Cationic and Anionic Electrostatic Attraction
- Yoshikazu Hirage, Diana I. Ito, Tetsuya Sayo, Shinji Ohta, Takayuki Suga 1057 ¹³C NMR Detection of Delocalized C₁₀-Allylic Cation in the Biosynthesis of Farnesyl Diphosphate
- Kondam Madhusudan Reddy, Igor Moudrakovski, Abdelhamid Sayari 1059 Synthesis of Mesoporous Vanadium Silicate Molecular Sieves
- Mino R. Caira, Vivienne J. Griffith, Luigi R. Nassimbeni, Bosch van Oudtshoorn 1061 Synthesis and X-Ray Crystal Structure of β-Cyclodextrin Diclofenac Sodium Undecahydrate, a β-CD Complex with a Unique Crystal Packing Arrangement
- Wing-Chi Cheng, Wing-Yiu Yu, Kung-Kai Cheung, Chi-Ming Che 1063 A Novel *cis*-Dioxoruthenium(vI) Complex of *N,N',N''*-Trimethyl-1,4,7-triazacyclononane (Me₃tacn) for Organic Oxidation
- Wolfgang Kirmse, Thomas Meinert 1065 Carbenes and the O–H Bond: Norbornenylidenes
- David Tumelty, Dirk Vetter, Valery V. Antonenko 1067 Immobilised, Activated Peptides as Reagents for Cyclic and Derivatised Peptide Libraries
- Paul G. Watson, Enno Lork, Rüdiger Mews 1069 The Preparation and Crystal Structure of the Iridium Thiazylidifluoride Complex [Ir(CO)ClF(NSF₂)(PPh₃)₂]
- Susumu Tanaka, Tomoaki Iso 1071 Reductive Electropolymerization of 2,5-Dichlorobenzonitrile
- A. Satsuma, Y. Tanaka, A. Hattori, T. Hattori, Y. Murakami 1073 Localization of Surface V=O Species on a Specific Crystal Plane of (VO)₂P₂O₇
- Helmut Greiving, Henning Hopf, Peter G. Jones, Peter Bubenitschek, Jean Pierre Desvergne, Henri Bouas-Laurent 1075 Synthesis, Photophysical and Photochemical Properties of Four [2.2] 'Cinnamophane' Isomers; Highly Efficient Stereospecific [2 + 2] Photocycloaddition
- J. Edgar Anderson, Veronique Bru-Capdeville, Peter A. Kirsch, John S. Lomas 1077 Attractive Steric Interactions within Molecules. The Masking of Effects in *meta*-Disubstituted Benzenes by Buttressed Repulsive Interactions
- Bahman Tamami, Nouredin Goudarzian 1079 Polymer Supported Zirconium Borohydride: a Stable, Efficient and Regenerable Reducing Agent

- Lourdes Hernán, Julián Morales, Luis Sánchez, José L. Tirado, Agustín R. González-Elípe 1081 Cobaltocene Intercalation into Misfit Layer Chalcogenides
- K. R. A. Samankumara Sandanayake, Seiji Shinkai 1083 Novel Molecular Sensors for Saccharides Based on the Interaction of Boronic Acid and Amines: Saccharide Sensing in Neutral Water
- Guy Casy, Gilles Gorins, Ray McCague, Horacio F. Olivo, Stanley M. Roberts 1085 Facile Synthesis of (+)-Brefeldin A Utilizing Two Optically Active Synthons Prepared by Different Enzyme-catalysed Reactions
- Krzysztof Slowiński, Zenon Kublik, Renata Bilewicz, Marek Pietraszkiewicz 1087 Electrocatalysis of Oxygen Reduction by a Copper(II) Hexaazamacrocyclic Complex
- Timothy J. McCarthy, Mercuri G. Kanatzidis 1089 Coordination Chemistry of $[P_2Se_6]^{4-}$ in Molten Fluxes. Isolation of the Structurally Complex KMP_2Se_6 ($M = Sb, Bi$)
- Deevi Basavaiah, Pakala K. S. Sarma, Anagani K. D. Bhavani 1091 Applications of the Baylis-Hillman Reaction 2: a Simple Stereoselective Synthesis of (*E*)- and (*Z*)-Trisubstituted Alkenes
- Ian J. Ellison, Graham J. Hutchings, Maria T. Sananes, Jean-Claude Volta 1093 Control of the Composition and Morphology of Vanadium Phosphate Catalyst Precursors from Alcohol Treatment of $VOPO_4 \cdot 2H_2O$
- Graham J. Hutchings, Darren F. Lee 1095 Control of Product Selectivity for the Epoxidation of Allyl Alcohol by Variation of the Acidity of the Catalyst TS-1
- Shaowu Wang, Yongfei Yu, Zhongwen Ye, Changtao Qian, Xianglin Jin 1097 Synthesis of an Organolanthanoid Complex with a Novel High-strain Anionic Cyclohexen-4-yne Ligand and Crystal Structure of $[(\eta^5-Cp)_2Sm(\eta^5-C_6H_5)(thf)]$
- Hideo Kurosawa, Kenjin Shiba, Kazuyoshi Hirako, Kiyomi Kakiuchi, Isao Ikeda 1099 Regiochemical Control in Reductive Elimination of $(\eta^3-Crotyl)(aryl)palladium(II)$ Complexes
- Subhash P. Chavan, P. K. Zubaidha, Chitra A. Govande, Y. Tripura Subba Rao 1101 Novel Oxidative Conversion of β,γ -Unsaturated Acids into Butenolides: Synthesis of Heritonin and Heritol
- Keiichi Kimura, Masayuki Kaneshige, Masaaki Yokoyama 1103 Anomalous Photochromism and Photochemical Cation-binding Control of Crowned Malachite Green Leuconitrile Based on Intramolecular Electrostatic Repulsion
- Michael J. S. Dewar, John C. Gilbert, Steven Kirschner 1105 Computation of an Orbital Isomer of Cyclobutene
- Hiroko Togame, Tetsuya Inaoka, Toshio Kokubo 1107 *In Vitro* Amidation for the Preparation of an α -Amidated Peptide: Enzymatic Coupling with Prolyl Endopeptidase
- Liang Xu, Shaojun Dong 1109 Unusual Voltammetric Behaviour of an Electrochemically Synthesized Conducting Platinum Cluster Compound $K_{1.64}[Pt(C_2O_4)_2]$
- George R. Pettit, Zbigniew A. Cichacz, Feng Gao, Michael R. Boyd, Jean M. Schmidt 1111 Isolation and Structure of the Cancer Cell Growth Inhibitor Dictyostatin 1
- Akihiko Yamagishi, Ichiro Tanaka, Masahiro Taniguchi, Masayuki Takahashi 1113 Poly(isocyanide) as a Chiral Adsorbent in Liquid Column Chromatography
- Sanshiro Komiya, Masatoshi Akita, Noriko Kasuga, Masafumi Hirano, Atsushi Fukuoka 1115 Synthesis, Structure and Reactions of a Carbon Dioxide Complex of Iron(0) containing 1,2-Bis(diethylphosphino)ethane Ligands
- Jean-Louis Pierre, Pierre Chautemps, Sidi M. Refaif, Claude G. Béguin, Abdelilah El-Marzouki, Guy Serratrice, Paul Rey, Jean Laugier 1117 An Imidazolate-bridged Heterobinuclear (Copper-Zinc) Complex of a Macrocyclic Ligand, a Model of the Active Site of Superoxide Dismutase
- Carla Bazzicalupi, Andrea Bencini, Vieri Fusi, Mauro Micheloni, Barbara Valtancoli 1119 A Giant-size Azamacrocycle: Synthesis and Crystal Structure of its Dinuclear Cadmium Complex
- Uwe Bergsträßer, Jörg Stannek, Manfred Regitz 1121 Azaphosphazulines: 14π -Annulenes containing $\lambda^3 \sigma^2$ -Phosphorus
- Yoshiro Masuyama, Yumiko Kobayashi, Yasuhiko Kuruu 1123 Aldol Reaction of Enol Acetates and Lactols with *N*-Chlorosuccinimide and Tin(II) Chloride. Diastereoselective Synthesis of Disubstituted Cyclic Ethers
- François Guyon, Annig Pondaven, Maurice L'Her 1125 Synthesis and Characterization of a Novel Lutetium(III) Triple-decker Sandwich Compound: a Tris(1,2-naphthalocyaninato) Complex
- Yasutake Takahashi, Fumiyoshi Endoh, Hitoshi Ohaku, Kan Wakamatsu, Tsutomu Miyashi 1127 Triplet-state Electron-transfer Reactions of Phenylcyclopropane with Quinones
- Raymond Bonnett, Kimberly A. McManus 1129 *Opp*-Dibenzoporphyrins from Benzopyromethene Derivatives
- Andrew Mason, Ian O. Sutherland 1131 A Chromogenic Reagent for Calcium. The Importance of Ion-pairing in Cation Selection
- Jack E. Baldwin, Robert M. Adlington, Nicholas P. Crouch, David J. Drake, Yoshiyuki Fujishima, Stephen W. Elson, Keith H. Baggeley 1133 Investigation of the Stereospecificity of Clavaminc Acid Synthase in the Desaturation of Dihydroclavaminc Acid to Clavaminc Acid
- Patrick Camilleri, Drake S. Eggleston, Henry S. Rzepa, Michael L. Webb 1135 Intermolecular Interactions Responsible for the Absence of Chiral Recognition: Aromatic C-H...O Hydrogen Bonding in the Crystal Structure of 3-Chloro-9,13-dibutylamino-1-hydroxypropyl-6-trifluoromethyl-phenanthrene Propan-2-ol Solvate Hydrochloride
- Andrew G. Cole, David Gani 1139 'Active' Conformation of the Inositol Monophosphatase Substrates Adenosine 2'-Phosphate and Inositol Phosphate: Role of the Ribofuranosyl O-atom and Inositol O-atoms in Chelating a Second Magnesium Ion
- Concepción Foces-Foces, Antonio L. Llamas-Saiz, Rosa M. Claramunt, Concepción López, José Elguero 1143 Structure of 3(5)-Methyl-4-nitropyrazole in the Solid State: Tautomerism, Crystallography and the Problem of Desmotropy
- A. P. Patron, P. K. Richter, M. J. Tomaszewski, R. A. Miller, K. C. Nicolaou 1147 A Convergent Approach to Swinholide A. Stereoselective Construction of the C_3-C_{17} Fragment of Swinholide A
- P. K. Richter, M. J. Tomaszewski, R. A. Miller, A. P. Patron, K. C. Nicolaou 1151 Stereoselective Construction of the $C_{18}-C_{32}$ Fragment of Swinholide A

J. CHEM. SOC., CHEM. COMMUN., 1994

Nadeem Aurangzeb, Charlotte E. Hulme, Charles A. McAuliffe, Robin G. Pritchard, Michael Watkinson, Manuel R. Bermejo, Ana Garcia-Deibe, Manuel Rey, Jesus Sanmartin, Antonio Sousa 1153 Crystallographic Characterisation of a Possible Model For Photosystem II

AUTHOR INDEX

- Abrahams, Brendan F., 1049
 Adlington, Robert M., 1133
 Akita, Masatoshi, 1115
 Anderson, J. Edgar, 1077
 Andreasson, Ulrika, 1037
 Antonenko, Valery V., 1067
 Aurangzeb, Nadeem, 1153
 Bäckvall, Jan-E., 1037
 Baggaley, Keith H., 1133
 Baldwin, Jack E., 1133
 Barrett, Anthony G. M., 1053
 Basavaiah, Deevi, 1091
 Battioni, Pierrette, 1035
 Bazzicalupi, Carla, 1119
 Béguin, Claude G., 1117
 Bencini, Andrea, 1119
 Bergsträßer, Uwe, 1121
 Bermejo, Manuel R., 1153
 Bhat, Thirumaleshwara S. G., 1041
 Bhavani, Anagani K. D., 1091
 Bilewicz, Renata, 1087
 Bonnett, Raymond, 1129
 Bouas-Laurent, Henri, 1075
 Boyd, Michael R., 1111
 Brandi, Alberto, 1047
 Bru-Capdeville, Veronique, 1077
 Bubenitschek, Peter, 1075
 Caira, Mino R., 1061
 Camilleri, Patrick, 1135
 Casy, Guy, 1085
 Chang, Yuan-Da, 1039
 Chautemps, Pierre, 1117
 Chavan, Subhash P., 1101
 Che, Chi-Ming, 1063
 Cheng, Wing-Chi, 1063
 Cheung, Kung-Kai, 1063
 Cichacz, Zbigniew A., 1111
 Claramunt, Rosa M., 1143
 Cole, Andrew G., 1139
 Cordero, Franca M., 1047
 Crouch, Nicholas P., 1133
 De Sarlo, Francesco, 1047
 Desvergne, Jean Pierre, 1075
 Dewar, Michael J. S., 1105
 Dong, Shaojun, 1109
 Drake, David J., 1133
 Eggleston, Drake S., 1135
 Elguero, José, 1143
 Ellison, Ian J., 1093
 El-Marzouki, Abdelilah, 1117
 Elson, Stephen W., 1133
 Endoh, Fumiyoshi, 1127
 Feldmann, Claus, 1045
 Foces-Foces, Concepción, 1143
 Fujishima, Yoshiyuki, 1133
 Fukuoka, Atsushi, 1115
 Fusi, Vieri, 1119
 Gani, David, 1139
 Gao, Feng, 1111
 Gao, Manglai, 1055
 Garcia-Deibe, Ana, 1153
 Gilbert, John C., 1105
 González-Elipe, Agustin R., 1081
 Gorins, Gilles, 1085
 Goudarzian, Nouredin, 1079
 Govande, Chitra A., 1101
 Greiving, Helmut, 1075
 Griffith, Vivienne J., 1061
 Guyon, François, 1125
 Hardie, Michael J., 1049
 Hashizume, Kohjiro, 1051
 Hattori, A., 1073
 Hattori, T., 1073
 Hernán, Lourdes, 1081
 Hidai, Masanobu, 1051
 Hirage, Yoshikazu, 1057
 Hirako, Kazuyoshi, 1099
 Hirano, Masafumi, 1115
 Hopf, Henning, 1075
 Hoskins, Bernard F., 1049
 Hulme, Charlotte E., 1153
 Hutchings, Graham J., 1093, 1095
 Ikeda, Isao, 1099
 Inaoka, Tetsuya, 1107
 Iso, Tomoaki, 1071
 Ito, Diana I., 1057
 Jansen, Martin, 1045
 Jasra, Raksh V., 1041
 Jin, Xianglin, 1097
 Jones, Peter G., 1075
 Kakiuchi, Kiyomi, 1099
 Kamath, Vinayak, 1041
 Kanatzidis, Mercouri G., 1089
 Kanazirev, Vladislav, 1043
 Kaneshige, Masayuki, 1103
 Kasuga, Noriko, 1115
 Kimura, Keiichi, 1103
 Kirmse, Wolfgang, 1065
 Kirsch, Peter A., 1077
 Kirschner, Steven, 1105
 Kobayashi, Yumiko, 1123
 Kokubo, Toshio, 1107
 Komiya, Sanshiro, 1115
 Kong, Xiangxing, 1055
 Kublik, Zenon, 1087
 Kurosawa, Hideo, 1099
 Kurusu, Yasuhiko, 1123
 Laugier, Jean, 1117
 Lee, Darren F., 1095
 L'Her, Maurice, 1125
 Llamas-Saiz, Antonio L., 1143
 Lomas, John S., 1077
 López, Concepción, 1143
 Lork, Enno, 1069
 McAuliffe, Charles A., 1153
 McCague, Ray, 1085
 McCarthy, Timothy J., 1089
 McManus, Kimberly A., 1129
 Mansuy, Daniel, 1035
 Mason, Andrew, 1131
 Masuyama, Yoshiro, 1123
 Meinert, Thomas, 1065
 Mews, Rüdiger, 1069
 Micheloni, Mauro, 1119
 Miller, R. A., 1147, 1151
 Miyashi, Tsutomu, 1127
 Mizobe, Yasushi, 1051
 Morales, Julián, 1081
 Moudrakovski, Igor, 1059
 Murai, Tohko, 1051
 Murakami, Y., 1073
 Nassimbeni, Luigi R., 1061
 Newalkar, Bharat L., 1041
 Nicolaou, K. C., 1147, 1151
 Ohaku, Hitoshi, 1127
 Ohta, Shinji, 1057
 Olivo, Horacio F., 1085
 Patron, A. P., 1147, 1151
 Pettit, George R., 1111
 Pierre, Jean-Louis, 1117
 Pietraszkiewicz, Marek, 1087
 Pondaven, Annig, 1125
 Pritchard, Robin G., 1153
 Qian, Changtao, 1097
 Rao, Y. Tripura Subba, 1101
 Reddy, Kondam Madhusudan, 1059
 Refaif, Sidi M., 1117
 Regitz, Manfred, 1121
 Rey, Manuel, 1153
 Rey, Paul, 1117
 Richter, P. K., 1147, 1151
 Roberts, Stanley M., 1085
 Robson, Richard, 1049
 Rzepa, Henry S., 1135
 Salta, José, 1039
 Sananes, Maria T., 1093
 Sánchez, Luis, 1081
 Sandanayake, K. R. A. Samankumara, 1083
 Sanmartin, Jesus, 1153
 Sarma, Pakala K. S., 1091
 Satsuma, A., 1073
 Sayari, Abdelhamid, 1059
 Sayo, Tetsuya, 1057
 Schmidt, Jean M., 1111
 Seefeld, Mark A., 1053
 Serratrice, Guy, 1117
 Shen, Jiacong, 1055
 Shiba, Kenjin, 1099
 Shinkai, Seiji, 1083
 Słowiński, Krzysztof, 1087
 Sousa, Antonio, 1153
 Stannek, Jörg, 1121
 Suga, Takayuki, 1057
 Sun, Yipeng, 1055
 Sutherland, Elizabeth E., 1049
 Sutherland, Ian O., 1131
 Takahashi, Masayuki, 1113
 Takahashi, Yasutake, 1127
 Tamami, Bahman, 1079
 Tanaka, Ichiro, 1113
 Tanaka, Susumu, 1071
 Tanaka, Y., 1073
 Taniguchi, Masahiro, 1113
 Tarassov, Mikhail P., 1043
 Thellend, Annie, 1035
 Tirado, José L., 1081
 Togame, Hiroko, 1107
 Tomaszewski, M. J., 1147, 1151
 Tumelty, David, 1067
 Valtancoli, Barbara, 1119
 Valtchev, Valentin, 1043
 van Oudtshoorn, Bosch, 1061
 Vetter, Dirk, 1067
 Viti, Giovanni, 1047
 Volta, Jean-Claude, 1093
 Wakamatsu, Kan, 1127
 Wang, Guo-Zhi, 1037
 Wang, Shaowu, 1097
 Watkinson, Michael, 1153
 Watson, Paul G., 1069
 Webb, Michael L., 1135
 Williams, David J., 1053
 Xu, Liang, 1109
 Yamagishi, Akihiko, 1113
 Ye, Zhongwen, 1097
 Yokoyama, Masaaki, 1103
 Yu, Wing-Yiu, 1063
 Yu, Yongfei, 1097
 Zhang, Xi, 1055
 Zubaidha, P. K., 1101
 Zubieta, Jon, 1039

COPYRIGHT LICENCE

Since April 1st 1994 all authors submitting work for publication in Royal Society of Chemistry journals have been required to sign an exclusive copyright licence, to formalise the agreement with the Society. The form is reproduced overleaf, and may be photocopied; it will also be reproduced in future, as part of Instruction for Authors, in the January issues of the journals. All future submissions of papers for publication should be accompanied by a completed form, without which publication cannot proceed.

ROYAL SOCIETY OF CHEMISTRY**EXCLUSIVE COPYRIGHT LICENCE**

Authors submitting manuscripts for publication in Royal Society of Chemistry Journals are requested to read the notes below and to enclose with the manuscript a copy of this form, duly completed. Please type, or use BLOCK CAPITALS.

1 Journal to which the manuscript is submitted: _____
 Name of Author: _____
 Address: _____

 Title of Contribution: _____

2 To be completed if the author(s) is(are) the owner(s) of copyright in the Contribution

In consideration of the publication in a Royal Society of Chemistry Journal of the above Contribution, I hereby assign to the Royal Society of Chemistry an Exclusive Licence in respect of the copyright in the Contribution for the full legal term of copyright throughout the world, in all formats, and through any medium of communication.

Signed _____ (on behalf of him/herself and of all the authors of the Contribution) Date _____

3 To be completed if the author(s) is(are) not the owner(s) of copyright in the Contribution

In consideration of the publication in a Royal Society of Chemistry Journal of the above Contribution, I, as the authorised representative of the employer of the author(s) of the Contribution, hereby assign to the Royal Society of Chemistry, the publishers, an Exclusive Licence in respect of the copyright in the Contribution for the full legal term of copyright throughout the world in all formats and through any medium of communication, subject to reservation to _____ of the right to reproduce the Contribution at any time for internal purposes. All intellectual property rights other than copyright are reserved.

Signed _____ Date _____

Name _____ Employer _____

CONDITIONS OF PUBLICATION**To be completed if you are the owner of copyright in the Contribution**

I warrant to the Royal Society of Chemistry that the Contribution is my original work, has not been published before, that I have obtained all necessary permissions for the reproduction as part of the Contribution of copyright works (including artistic works, *eg* photographs, charts, maps, *etc*) not owned by me, that the Contribution contains no illegal statements and does not infringe any rights of others, and agree to indemnify the Royal Society of Chemistry against any claims in respect of the above warranties.

Signed _____ Date _____

To be completed if you are not the owner of copyright in the Contribution

I, as the authorised representative of the employer of the author of the Contribution, warrant to the Royal Society of Chemistry that all necessary permissions have been obtained for the reproduction as part of the contribution of copyright works (including artistic works, *eg* photographs, charts, maps, *etc*) not owned by the employer, that the Contribution contains no illegal statements and does not infringe any rights of others, and agree to indemnify the Royal Society of Chemistry against any claims in respect of the above warranties.

Signed _____ Date _____

Name _____ Employer _____

Copyright: notes for contributors

1 The Society's policy is to acquire an Exclusive Licence in respect of the copyright in all contributions. There are two reasons for this:

(a) control of copyright by the publisher ensures maximum protection against piratical infringement anywhere in the world;

(b) it also ensures that requests by third parties to reprint a contribution, or part of it, are handled efficiently in accordance with our general policy which encourages dissemination of knowledge inside the framework of copyright.

2 We will not withhold permission for any reasonable request from you to publish the whole or any part of your Contribution in connection with any other work by you, provided the usual acknowledgements are given regarding copyright notice and reference to first publication by us.

3 The Royal Society of Chemistry is a signatory of the STM Guidelines on Permissions, whereby the Society has agreed to a standard procedure for granting permission for the reproduction of copyright material (especially figures and similar illustrations) from the Society's publications by other *bona fide* publishers, without charge and without reference to the original authors, except where the quantity of material to be reproduced is judged to be unreasonably large. A standard condition of such permission is that the original authors and the source are acknowledged. Accordingly, the Society will not normally refer to you requests for permission to reproduce figures, tables *etc* from your contribution, and you are requested to forward to the Society any requests for permission which you receive from other authors or their publishers in respect of this contribution. The Society believes that this procedure protects Authors' interests without adding an excessive amount of bureaucracy.

4 The Journal mandates the Copyright Licensing Agency in the UK, which offers centralised licensing arrangements for photocopying in the UK and has reciprocal arrangements with licensing agencies in other countries.

5 The Contribution may be stored by electronic (including digital) means by us and then transmitted to meet individual requests.

6 You hereby agree to the journal making the necessary arrangements to include the Contribution in a document delivery service.

7 If you are a US Government employee and the Contribution was made in that capacity the assignment applies only to the extent allowable by US law.

8 If you are an employee of the British Government then HMSO will, as standard practice, grant a non-exclusive licence to publish this paper in the journal in any form or media provided British crown copyright is reserved.

9 If the Contribution is not accepted for publication by the Society, this Exclusive Licence is null and void.