

AUSTCERAM 84

ADVANCING CERAMICS

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FOREWORD

This volume contains the extended abstracts of 71 papers to be presented at Austceram 84, the 11th Australian Ceramic Conference.

The conference, which is sponsored by the Australian Ceramic Society, has as its theme "Advancing Ceramics".

The conference and accompanying proceedings will no doubt advance ceramics both in Australia and overseas. Of particular interest at the conference will be the papers covering the emerging fields of:

- (i) SYNROC and SiO_2
- (ii) Partially Stabilized Zirconia
- (iii) Glass: Science and Technology
- (iv) Raw Materials and Refractories
- (v) Sintering, Composites and Engineering Ceramics

This year's conference also contains a range of papers relating to historical aspects of ceramics.

The papers presented in these Proceedings provide the most up to date information on an extremely wide range of topics. They are published as they are received from authors without editing. Their appearance in these proceedings does not preclude eventual publication as fully refereed articles in research or technical journals.

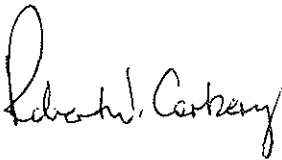
For the assistance of readers, all papers in these proceedings are printed in sections consistent with their presentation at the conference.

The Society is very pleased to welcome a large number of overseas delegates to Sydney and in particular, the Conference key note speaker, Professor James Mueller, from Department of Ceramic Engineering, at the University of Washington, Seattle. Their attendance no doubt reflects the growing importance of the Austceram Conferences in world ceramics.

Austceram 84 provides delegates with the opportunity to:

- attend presentation of papers;
- view trade exhibits;
- attend social functions at the venue, The Regent of Sydney, and
- renew and establish professional friendships.

I trust all delegates will benefit from all the above activities during Austceram 84 and enjoy their visit to Sydney.



Robert W. Corkery
PRESIDENT
New South Wales Branch
Australian Ceramic Society
Sydney

CONTENTS

FOREWORD	iii
CONTENTS	v
I	SINTERING, COMPOSITES AND ENGINEERING CERAMICS
	Application of Alumina as an Engineering Ceramic
D.A. Taylor	1
	Engineering Ceramics in the Sialon System
M.B. Trigg	5
	Nitrogen Ceramics in Metallurgical Industries
C.C. Sorrell and E.R. McCartney	9
	Studies of Ionic Substitutions in Modified PZT
A. Hons, A.D. McDonald, Y.S. Ng	15
	Symmetry Considerations for Orbital Overlap in PZT
Y.S. Ng	21
	Fiber Reinforced Fused Silica for Hypersonic Radome Applications
F.P. Meyer, G.D. Quinn and J.C. Walck	27
	Acoustic Sensitivity of PZT/Polymer Composites as a Function of Fabrication Parameters
M. Baker and I. Bedwell	41
	Design of a High Efficiency Multipurpose Molybdenum Reaction Furnace
C.C. Sorrell and E.R. McCartney	47
II	PARTIALLY STABILIZED ZIRCONIA
	Specialized Industrial Uses of Mg-PSZ Ceramics
R.H.J. Hannink, M. Marmach, M.J. Murray and M.V. Swain	57
	Thermodynamics of the Tetragonal to Monoclinic Phase Transformation in Constrained Zirconia Microcrystals
I. In the Absence of an Applied Stress Field	
R.C. Garvie and M.V. Swain	63
	Thermodynamic Analysis of the Tetragonal to Monoclinic Transformation in a Constrained Zirconia Microcrystal
II. In the Presence of an Applied Stress	
R.C. Garvie	64

	Sintering Aids for Partially Stabilized Zirconia J. Drennan and R.H.J. Hannink	65
	MgO Segregation in Decomposed MgO-ZrO ₂ Alloys R.H.J. Hannink, G. Cliff, D. Maher	71
	Thermal Stability of Magnesia Partially Stabilized Zirconia M. Marmach and M.V. Swain	79
	An Erosion Study of Partially Stabilized Zirconia D.B. Ellison, M.F. Goss and M.J. Murray	85
III	SIRO ₂ OXYGEN SENSORS AND SOLID STATE ELECTROLYTES	
	Unusual Applications of the SIRO ₂ High Temperature Oxygen Sensor M.J. Bannister and H.S. Kanost	97
	The SIRO ₂ Low Temperature Oxygen Sensor S.P.S. Badwal, M.J. Bannister, F.T. Ciacchi, W.G. Garrett, A.S. Kashmirian and R.C. Wotherspoon	103
	The Absolute Accuracy of Solid Electrolyte Oxygen Sensors M.J. Bannister and F.T. Ciacchi	107
	Electrodes for Low Temperature Oxygen Sensors: Laboratory Tests S.P.S. Badwal and F.T. Ciacchi	113
	Electrical Conductivity of Single Grain and Polycrystalline ZrO ₂ - Y ₂ O ₃ Compositions S.P.S. Badwal, R.W. Rice and M.V. Swain	121
	The Sc ₂ O ₃ - ZrO ₂ - Al ₂ O ₃ System: Electrical Conductivity and Microstructure S.P.S. Badwal and J. Drennan	127

IV	MECHANICAL PROPERTIES	
	Indentation Studies of Zirconia Materials R.H.J. Hannink and M.V. Swain	137
	Rotating Bending Fatigue of Mg-PSZ M.V. Swain and V. Zelizko	145
	Stress Corrosion Cracking in Mg-PSZ M.V. Swain	151
	Sub-surface Cracks Below Glass Cutter Scratches V.R. Howes and A. Szameitat	157
	Water Sorption of Glass Containing Cracks V.R. Howes and A. Szameitat	159
V	GLASS: SCIENCE AND TECHNOLOGY	
	The Manufacture of French-Green Glass G. Higginbotham	163
	Tableware Glass Composition Upgraded to Meet the Demands of the 80's J.W. Laird	169
	Cullet: Recycled Glass in Glassmaking the Beneficiation of Cullet R. McEwen	179
	Application of Instrumental Techniques to Cord Analysis A. McLaren and A. Smith	183
	Advances in Porcelain Enamel Processing S. Harnwell	189
	Ceramic Pigments R.G. Raiss and R.H. Giller	197
	Crystalline Glaze C.B. Kopinski	205
	Investigations into the Production and Crystal Phases of Alkali - Fluorophlogopite Machinable Glass Ceramics H.O. Sugo	211

Alkali Oxide - Rich Sodium Titanates - A Study W.A. Hill, A.R. Moon and G. Higginbotham	221
Occurrence of Cristobalite as a Devitrification Phase in Soda-Lime Glass A. Ray	227
Electrochemistry of Molten Glass M. Maric and M.P. Brungs	231
Analysis of Ferrous/Ferric (Fe^{2+}/Fe^{3+}) Ratios in Amber and Flint Glasses by Polarography M.T. Lyons	233
Simple Method for Fe^{2+}/Fe^{3+} Analysis in Glass C.J. Maxwell and M.P. Brungs	239
VI CERAMIC COATINGS	
The High Quality Alumina Substrate for Thick Film H.I.C. and Thermal Printer Head Tamotsu Ueyama, Hiroshi Wada and Hideaki Uehara	245
Development of Copper Plated Multilayer Ceramic Substrate Tamotsu Ueyama, Yoshiyuki Horibe and Seiji Mitsumori	253
Yttria Partially Stabilized Zirconia Plasma Sprayed Coatings R. McPherson and M.E. Houghton	261
Chemically Bonded Ceramic Slurry Coatings for Wear and Corrosion Resistance J. Schneider and T.G. Buckle	267
VII BIO-CERAMICS	
Investigation of Alumina Phosphate Bioceramic Composite G.L. Heness	275
In vivo Testing of Polycrystalline Aluminium Oxide D.A. Taylor.....	283

VIII SYNROC

SYNROC Status Report K.D. Reeve	289
Heat Transfer in Large Compacts of SYNROC Powder W.J. Buykx	293
Irradiation Effects in SYNROC J.L. Woolfrey and D.J. Cassidy	297
Surface Sorption Studies on Multicomponent Ceramic Powders A.M. Chetcuti and J.L. Woolfrey	305

IX CLAY AND REFRACTORIES

The Wunderlich Clay Ageing Project T.J. King and H.T. Wills	311
Plasticity of Kaolinite/Halloysite Clay Bodies M.W. McLarin and D.S. Perera	317
Firing Behaviour of Halloysite/Kaolinite Clays D.S. Perera	323
The Role of Local Raw Materials in Refractory Manufacture in Australia P. Coss	331
The Selection of a Refractory for Use in Very Reducing Atmospheres D.B. Ellson, M.F. Goss, M.J. Murray and K.I. Parsons	337
Reactions of Zircon Refractories with Molten Steel P.W. Wright	345
Slag Attack on Refractories in Tin Smelting Reverberatory Furnaces M.S.J. Gani	353
Liquid and Powdered Refractories for Steelmaking J. Thomson	355

	Fusion Cast Refractories and Ceramics R.R. Weaver	359
	Computer Aided Design for Ceramic Kilns T.D.B. Wight and D.J. Walker	365
X	HISTORY, ART AND ARCHAEOLOGY	
	Some Aspects of Early Australian Commercial Glass J. & M.E. Boow	377
	Some Notes on the History of Roof Tile Manufacture in Australia G.W. Collett	389
	Brick Manufacture in N.S.W. 1788 - 1900 G.S. Gibbons	401
	A Brief History of the Pottery Manufacturing Industry in Sydney W.R. Lawson and J. Varley	407
	The Pitt Street Congregational Church - An Excavation of Early Nineteenth Century Ceramics D. Bairstow	413
XI	BUILDING MATERIALS	
	Cements from Waste Materials D.J. Cook and N.W. Lim	417
	A. Tiling System Evaluation Project W.F. Cole	421
	The Need for Determining the Relevant Moisture Expansion of a Brick R. Bowman	425
XII	RAW MATERIALS	
	Wollastonite a New Material in Ceramics: An Australian Overview C. Premoli	437

Exploration and Quarry Planning in the Bringelly Shale, Sydney R.W. Corkery	447
The Effect of Limestone in Sydney Brick Clay/Shale J. Wong	453
Sand Washing Tailings in the Clarence Area. A Potential Source of China Clay for the Ceramic Industry J.S. Kmetoni and J. Wong	463
Crystallisation of Gel-Derived Glasses Low It Meng and R. McPherson	471
ADVERTISERS AND TRADE EXHIBITORS	489
CONTRIBUTORS	501
AUTHOR INDEX	503

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