

George Sanders
Argentina (co-author)

George Sanders is a consulting geologist who lived in Argentina from 1993 to 2001 and now resides in Bellingham, Washington, USA. He holds an Engineering Geologist's licence from the State of Washington and works for Materials Testing and Consulting, Inc., of Burlington, Washington. He worked for subsidiaries of Gold Fields plc during the 1980s in Chile and Nevada, and was Exploration Manager for Canyon Resources in Argentina from 1993 to 1995. Mr Sanders was educated at the Colorado School of Mines and the University of Arizona. He is a 30-year member of both the Society of Mining Engineers and the American Association of Petroleum Geologists, and also belongs to the Society of Economic Geologists.

Tel/fax: +1-360-325-0114.

E-mail: gsanders@openaccess.org

Nivaldo Rojas
Argentina (co-author)

Nivaldo Rojas is a consulting mining engineer, and has lived and worked in Argentina since 1985. A Chilean by birth, he holds Bachelor degrees in Mining Engineering from Universidad de Atacama, and Universidad Técnica del Estado and studied geology at Universidad de Chile. Mr Rojas worked in the Chilean Geological Survey in the 1970s and he worked for BHP Exploration (initially Utah International) for 18 years in the 1980s and 1990s. He currently heads his own mining consulting business, Rojas y Asociados, based in Mendoza, Argentina.

Among Nivaldo Rojas' achievements are participation in the discovery of the porphyry copper deposits at La Escondida (Chile) and Agua Rica (Argentina), and the Diablillos gold-silver deposit (Argentina). While at BHP he received the Excellence in Exploration award for his contribution to the Agua Rica discovery.

Tel: +54-261-424-3479

E-mail: at.rojasniv@rojasysociados.com.ar

Rushan Koçibelli
Albania

Rushan Koçibelli completed his studies at the University of Tirana in 1966. Until 1980 he worked as engineer, chief engineer and director in Albanian iron-nickel mines. He has been General Director of Mines, counsellor to the vice Prime Minister, and vice Minister of Mines. His qualifications include a Ph.D. and D.Sc. He has recently retired from a senior scientific post at ITNPM.

Care of: Mirela Mata
Blvd. Zogu 1
Qendra Biznesit "VEVE"
Zyra 104, Tirana
Albania

Stephen R. Johnston
Aluminium

Stephen R. Johnston is Senior Industry Analyst at Alcan Inc. (formerly Alcan Aluminium Ltd), where he has been employed for 26 years. The first 16 were in MIS, principally as project manager, with responsibility for projects in Ireland, the UK, the US, Bermuda and Jamaica, as well as in Canada. For the past ten years he has worked in the Industry Analysis department. Stephen has an honours B.Sc. in computer science and mathematics from the University of Toronto and an MBA in international business and finance from McGill University in Montreal. He is also a C.M.A. and has been a member of the Mineral Economics and Management Society for several years. He was the keynote speaker at the 10th Annual International Anodising Conference and has spoken at the Metal Markets Asia conference in Singapore, as well as representing Alcan on a US Aluminum Association task force and a National Resources Canada committee.

Louis Perron
Asbestos

Senior Policy Advisor, Minerals and Metals Sector, Natural Resources
Canada Government of Canada
580 Booth Street
Ottawa, Ontario K1A 0E4
Canada
Tel: +613-992-4828
Fax: +613-943-2079
E-mail:lperron@NRCan.gc.ca

**Natalie Quinn BSc (Hons) Grad Dip Comm.
Australia**

Natalie is a former exploration geologist who now specialises in resources communication. She studied geology at the University of Melbourne and communications in Western Australia. Natalie has worked as a resource journalist and is now corporate projects and communications manager – and sometime geologist – for a Melbourne-based mining company.

E-mail: quinn_natalie_h@hotmail.com

S. Polegeg
Austria

Mr Polegeg is a consultant with FREN, Austria.

FREN
Johann Sacklgasse 65-67
A-8700 Leoben
Austria
Tel: +43 3842 45761
Fax: +43 3842 46824
E-Mail: S Polegeg@hotmail.com
Web: www.fren-trenntechnik.at

Barry Edwards
Bangladesh (coal section)

IMC International Mining Consultants
London, UK
Tel: +44 (0)20 7377 0913
E-mail imcgroup@co.uk
Web: <http://www.imcgroup.co.uk>

Brian O'Connell
Barite

Brian O'Connell is the Manager of Minerals Resources for CIMBAR Performance Minerals. For the past three years, he has been responsible for sourcing crude barite ore for not only CIMBAR, but also its parent, Baroid Drilling Fluids (both part of Halliburton Co). He worked previously in New York as a Product Manager for the Inorganic Chemicals Department of Mitsubishi International Corp., where, among other things, he was responsible for the exportation of Bentonite Performance Minerals' bentonite into Asia for over 12 years.

CIMBAR Performance Minerals
25 Old River Road SE
Cartersville, GA 30120-0250
USA
Tel: +1 770.387.0319
Fax: +1 770.607.3799
Cell: +1 770.596.1750
E-mail: Brian.OConnell2@Halliburton.com

Guy Franceschi
Belgium, Luxembourg

Guy Franceschi is a senior mineral exploration consultant and director of GF Consult bvba., a Belgium-based consulting office. Mr Franceschi graduated from the University of Ghent in 1975 and worked since then in a wide variety of base and precious metals and industrial mineral exploration and evaluation projects world-wide. He worked for over 12 years for United Nations organisations, chiefly in Africa and has conducted since 1989 numerous consulting assignments for international organisations, mining houses and investment companies in a large number of countries, focussing particularly on Europe, francophone Africa and Southeast Asia. Mr Franceschi's work includes assessment of acquisition/exploration opportunities and design, management and evaluation of mineral exploration work. Mr Franceschi has managed a number of projects in Africa and Europe.

GF Consult b.v.b.a.
Antwerpsesteenweg 644 B-9040
Gent Belgium
Tel: +32 9 229.15.99
Fax: +32 1 683 43 80
Mobile: +32 (0)497 41.07.05
Email : gfranceschi@gfconsult.be
Website: www.gfconsult.be

David McNeill
Beryllium

David McNeill graduated from Manchester University with a B.Sc (Hons) degree in Geography in 1990. He then worked for the University of Manchester's Alpine Glacier project between 1990 and 1992. Since joining Roskill in 1993, David McNeill has worked on numerous consulting projects and has researched and written reports on beryllium, iron ore, bauxite and alumina, gypsum, kaolin, iodine, natural graphite, feldspar, precipitated calcium carbonate and soda ash. Additionally, he co-ordinates the collection of data for the entire series of Roskill reports.

Roskill Information Services Ltd
2 Clapham Road, London
SW9 0JA
UK
Tel: +44 (0)20 7582 5155
Website: www.roskill.co.uk

Sean Fuller
Bismuth

Sean Fuller graduated in Production Engineering from the University of Aston in Birmingham in 1992. He worked for Hampson Industries Plc's Metal Division as Operations Manager for aluminium alloy production for four years. Mr Fuller then moved to Avon Group Holdings as Commercial Manager, buying/selling non-ferrous metals. In August 2000 he joined Mining & Chemical Products Ltd as Commercial Manager.

Mining & Chemical Products Ltd
1-4 Nielson Road
Finedon Road Ind. Est.
Wellingborough
Northants
NN8 4PE
UK
Tel: +44 (0) 1933 225766
Fax: +44 (0) 1933 227814
E-mail: info@mcp-group.co.uk
Web: www.mcp-group.co.uk

David Fox
Bolivia

David Fox is an academic geographer and Consul for Chile, based in Manchester, UK.

E-mail david.fox@man.ac.uk

Tharcisse Songore
Burundi

Over the past 14 years, Mr Songore has been involved in various studies related to developing a carbonatite-associated phosphate deposit at Matongo. With funds from the World Bank and the African Development Bank, the studies were carried out by international consulting firms or research institutions (including Paris-based Louis Berger International, Alabama's International Fertilizer Development Center, and London's IMC Mackay & Schnellmann). Since 1998, Mr Songore has been participating in negotiations between the Government of Burundi and mining companies over nickel concessions.

Mr Songore gained a Licence in Geology & Mineralogy from the University of Louvain in 1982, and an M.Sc. in Geochemistry from Leeds University in 1985.

He is currently Project Co-ordinator, Ministry of Energy and Mines, having previously been with the Ministry of Energy and Mines, Geological Survey Department as Deputy-Director (1988-1997), and Geological Survey Department's Geochemical Survey Division as a Junior Geologist (1986-1987).

Ministry of Energy and Mines
BP 745, Bujumbura
Burundi
Tel: +257 22 6793
Fax: +257 22 9624
E-mail: dggm@cbinf.com

Gavin J. Bowyer
Congo Brazzaville, Egypt, Netherlands, Nicaragua

Gavin Bowyer has 30 years of experience in the mineral industry in the exploration for, and evaluation of, deposits of base, precious and steel industry metals, precious and semi-precious stones, and industrial minerals for construction, fertiliser and other uses. From graduation, until April 1999, he was employed by IMC Mackay and Schnellmann (formerly Mackay & Schnellmann). He worked initially as a site geologist. Subsequently, his responsibilities increased to the level of Project Management and since the late 1970s his assignments have mainly involved consultancy and technical audits, while maintaining hands-on involvement in mineral projects through the management of specific exploration programmes and feasibility studies. He has worked in Algeria, Australia, Bolivia, Burundi, Canada, Ethiopia, Ghana, Greece, Indonesia, Ireland, Côte D'Ivoire, Kazakhstan, Liberia, Malaysia, Mexico, Morocco, Nigeria, Oman, Pakistan, Portugal, Sierra Leone, Spain, South Africa, the UK, Uruguay, the US, Zambia and Zimbabwe.

From June 1999 until January 2003, Gavin was a director of London Mining & Minerals Consultants. He is currently co-ordinator for the British Tunnelling Society and the British Geotechnical Association, based at the Institution of Civil Engineers.

E-mail: GJBowyer@aol.com

Celso Pinto Ferraz
Brazil

Celso Pinto Ferraz graduated in Geology from the University of São Paulo in 1968, and received an M.Sc. in Mineral Economics at Stanford University in 1976 and a Doctorate in Mineral Engineering from the University of São Paulo in 1990.

He was a geologist in the National Department of Mineral Production (1969/76), and Director of the Minerals Economic Division from 1976/79. In 1979, he helped organise the Geoscience Institute of the University of Campinas where he was the Director from 1993-97. Since 1999, he has been an invited Professor at UNICAMP, and works as a consultant in mineral economics and mineral policy.

Rua Gov. Pedro de Toledo nº543 apt.142
13400-070 Piracicaba
SP-Brazil
E-mail: celso.ferraz@stanfordalumni.org

Vladimir Kousseff
Bulgaria

Dr Vladimir Kousseff, Min. Eng.
Geotehmin, Consulting & Engineering Co. Ltd
9 Lyulin Plannina Str
1606 Sofia
Bulgaria
E-mail: lkousseva@hotmail.com

Zida Blaise
Burkina Faso

Zida Blaise Obtained a B.Sc. in geological and mining technical engineering from University Geological School of Kiev, USSR in 1979. He returned to Upper Volta (now Burkina Faso) to work as an exploration geologist on several national geological projects during 1979-1995.

From 1995-1998, Mr Blaise was regional director of BUMIGEB, the state-owned geological and mining company at Dori, in the northern part of Burkina Faso. Mr Blaise is currently Head of the Geology and Topography Department at Bureau des Mines et de la Geologie du Burkina (BUMIGEB).

Bureau des Mines et de la Geologie du Burkina
Directeur Regional Dori
01 BP 601
Ouagadougou 01
Burkina Faso
Tel: +226 364890/364902
Fax: +226 660272/364888

Hugh Morrow
Cadmium

International Cadmium Association
PO Box 924
Great Falls
VA 22066 0924
US
Tel: +1 703 759 7400
Fax: +1 703 759 7003
E-mail: ICDAMorrow@aol.com

Natural Resources Canada Canada

The policies and science and technology programmes of Natural Resources Canada (NRCan) encourage sustainable development in Canada. The organisation's Website contains information pertinent to the Canadian minerals and metals industry (<http://www.nrcan.gc.ca>).

The Minerals and Metals Sector (MMS) of NRCan is the federal government's centre of scientific and technological knowledge, and policy advice, for mineral and metal resources. The MMS website (<http://www.nrcan.gc.ca/mms>) provides comprehensive information on mining in Canada, including research and development, upcoming events, and many related links to Canada's natural resource industries.

Tel: +1 613 947 6580

Fax: +1 613 947 4198

E-mail: info-mms@nrcan.gc.ca

Donald O. Downing
Coal Canada

Don Downing is Vice President, Management Consulting at Norwest Corp. in Calgary, Alberta. A geologist, Mr. Downing has over 30 years of professional experience in a variety of senior roles with Canadian mining and energy companies. He has extensive experience in international minerals marketing and was head of the Coal Division of Esso Resources Canada Ltd. and President of Byron Creek Collieries Ltd, a unit of Esso. Mr. Downing was President of The Coal Association of Canada (1993-1998) prior to joining Norwest. At Norwest he leads the management consulting practice and provides business consulting services to resource companies, service providers and governments.

Norwest Corp.
Calgary, Alberta, Canada T2G 0R3
E-mail: ddowning@norwestcorp.com
Web: www.norwestcorp.com

Andrew R. Roebuck
Lead & Zinc Canada

Andrew Roebuck has worked in the metals industry for over 30 years, both from the trading and producer perspectives. He is currently Market Research Manager for Teck Cominco Metals Ltd in Toronto.

Teck Cominco Metals Ltd
Suite 1500, 120 Adelaide Street West,
Toronto, Ontario
Canada M5H 1T1
Tel: +1 416 943 6294
Fax: +1 416 869 1964
E-mail: andy.roebuck@teckcominco.com

Kyran Casteel
Cyprus, Iraq, Morocco

Mineral Industry Intelligence & Information
5 Station Road, Woburn Sands
MK17 8RR, UK
Tel: +44 (0)1908 582593
E-mail: kyrancasteel@aol.com

Simon Tarbutt
Chile

Simon Tarbutt has worked on projects and operations for Latin American non-ferrous metals production. He currently leads his own consultancy business, based in Santiago, Chile.

S Tarbutt Consultores e Inversiones S.A.
Av. Suecia 0119 – 407
Providencia
Santiago
Chile
Telefax: + 56 2 245 1963
E-mail: starbutt@consultores.sa.cl

Chen Liping, Guoming Song (co-authors)
China

Ms Chen Liping is the Deputy Division Chief of the Division of Resources Strategy, Information Centre of the Ministry of Land and Resources, Beijing, China. Ms Chen graduated from Nanjing University.

Mr Guoming Song is a senior researcher for the Division of Resources Strategy, Information Centre of Ministry of Land and Resources. He graduated from the Geological University of China.

Division of Resources Strategy, Information Centre,
Ministry of Land and Resources of China
64 Fu Nei Da Jie,
Beijing, 100812
China
Tel: +86 10 66558767
Fax: +86 10 66558613

John Knight
Coal

Harworth Mining Consultancy
(a unit of Petrofac Facilities Management)
Bridge View
1 North Esplanade West
Aberdeen AB11 5QF
UK

E-mail: jaknightuk@aol.com

Michael Hawkins
Cobalt

Dr Hawkins worked in research and development for 21 years, gaining a Ph.D. in 1973. He then spent six years in Zambia with ZCCM before joining Memaco Services in London in 1980. Dr Hawkins opened Memaco's US Trading Office in 1988, and managed it until returning to London in 1993 as Memaco's Technical Manager. Dr Hawkins has been General Manager of the Cobalt Development Institute since 1997.

73 Smithbarn
Horsham
West Sussex RH13 6DT
UK
Tel/fax: +44 (0)1403 264766

Germán Del Corral
Colombia (co-author)

G. del Corral has a Chem. Eng. degree from EPUL, Lausanne and an M.Phil. in Process Engineering Metallurgy from Imperial College, UK. He has held senior positions in the base metals industry, for nickel in particular, and is at present involved in project management.

Tel: (Mobile) +(57 3) 266 8818
E-mail: gerelco@cable.net.co

Luis Jaramillo
Colombia (co-author)

Luis Jaramillo, received a B.Sc. degree in Geology from the Colombian National University in Bogotá, and an M.Sc. from New Mexico Tech. in the US during 1971. He is a former Director General of INGEOMINAS, and taught at the National University for 17 years. He is currently an independent consultant for mineral exploration and evaluation.

E-mail:ljaramillo@supercabletv.net.co

Yenga Mabolia
Congo (Democratic Republic of)

After obtaining a Master's degree in economics from the University of Ottawa in 1984, Mr Mabolia completed his banking training at the Deutsche Bank in Stuttgart. He began his professional career at the Banque Commerciale du Congo, a subsidiary of the Belgolaise Bank. Mr Mabolia joined Gécamines (GCM) in 1986 and, under the supervision of Metdist Ltd, completed a training period at the London Metals Exchange, before helping to set up GCM's London branch and taking the helm in 1991. In 1996, Mr Mabolia was appointed Vice President and later President of African Metal Corp. in the US, a joint venture between Gécamines and Sogem USA, a subsidiary of Sogem SA. At the end of his term of office in January 2000, the author returned to Gécamines, joining the Sales Division in Brussels.

E-mail: diyenga@yahoo.com

Chris Torrible
Copper

Mr Torrible is Group Advisor commodity and industry analysis at Rio Tinto responsible for analysis of base metals. He has been with Rio Tinto since 1997. Previously he was with London-based Commodities Research Unit, where he was research manager for base metals.

E-mail: chris.torrible@riotinto.co.uk

**Tim Coates MSc, MBA, PEng,
(co-author) Costa Rica**

President of TC & A Geological Consultants, San José, Costa Rica, since 1984.

A professional geologist with more than 35 years experience in senior positions in Europe and the Americas. In Costa Rica he managed the Bellavista Project from 1984 to 1989 and in 1992 had a leading role in the discovery of the Cerro Crucitas gold deposit.

TC & A Geological Consultants
Apartado 3548-1000
San José, Costa Rica
Tel: +506 258-5015
Fax: +506 223-1414
E-mail: tcoates@racsa.co.cr

**Michael Seaward ARSM, BSc, CEng, FIMM
(co-author) Costa Rica**

A professional geologist, Mr Seaward formed Minconsult Internacional y Asociados, S.A. in San José, Costa Rica in 1997 to provide mine consulting services in the region. For over 35 years prior to this he had been in a series of increasingly responsible executive positions with international mining companies. Most recently he was Executive Vice President for Minera Rayrock Inc., Toronto, with responsibility for all Latin American operations.

Minconsult Internacional y Asociados, S.A.
Apartado 710-2070
San José, Costa Rica
Tel: +506 235-7151
Fax: +506 235-3373
E-mail: mseaward@racsa.co.cr

Paul Crankshaw
Angola, Benin, Madagascar

Paul Crankshaw is the founder of *African Mining* magazine, now published by Brooke Pattrick Publications.

40 Limpton Gate
Yarm, Cleveland
TS15 9JA
UK
Tel: +44 (0)1642 786 337

Arnošt Sýkora
Czech Republic

Arnošt Sýkora attended the University of Economics in Prague. He is connected with the Department of Non-Renewable Resources, Institute of Economic Research, Prague. Mr Sýkora has written two monographs on raw materials policy and utilisation of natural and secondary raw materials sources, together with approximately 50 articles concerning problems of primary and secondary raw materials sources.

Ing. Arnošt Sýkora
Pod Strání 16
100 00 Praha 10
Czech Republic

Flemming Jacobsen
Denmark

Ministry of the Environment
Skov-Og Naturstyrelsen
Haraldsgade 53
DK 2100 København Ø
Denmark

Tel: +45 39 47 20 00
Fax: +45 39 27 98 99
E-mail: FJA@Sns.Dk

A.J.A. (Bram) Janse
Diamonds

Bram Janse has worked in the diamond exploration industry for more than 40 years. He is currently an independent consultant and manages his own consultancy company, Archon Exploration, based in Perth.

Archon Exploration Pty Ltd
11 Rowsley Way
Carine
Western Australia 6020
Australia
E-mail: archonexpl@iinet.net.au

Ted Dickson
Gypsum, Sillimanite, Salt, Vermiculite

Ted Dickson has over 21 years experience in the industrial minerals industry. After obtaining a B.Sc. in geology from Edinburgh University and an M.Sc. in Mineral Exploration from the Royal School of Mines in London, he spent more than twelve years with *Industrial Minerals* magazine, split roughly evenly between the London and New York offices, latterly as American Editor. He then spent five years with a mining company, Cluff Resources, primarily assessing opportunities for the company to diversify into industrial minerals to supplement its gold mining activities. For the past ten years, he has been working as an independent consultant from his base in Gerrards Cross just outside London, specialising in the markets for industrial minerals.

Ted Dickson
TAK Industrial Mineral Consultancy
Twin Oaks
29 Mill Lane
Gerrards Cross
Bucks
SL9 8DF
UK
Tel/fax: +44 (0)1753 892001
Mobile: +44 (0)7050 125604
E-mail: dicksontak@compuserve.com
Web: www.ourworld.compuserve.com/homepages/

John Sutcliffe
Ecuador

An exploration geologist with almost 40 years of experience in Africa. Europe and South America.

PO Box 1707 9672
Quito
Ecuador
Tel: +5932 222 4020
E-mail: js@imc.com.co

El Ghaouth Memady

Mauritania

Mining Engineer; M.Sc. in Mineral Economics.

Manager for Mining & Exploration
Société Nationale Industrielle et Minière (SNIM)
BP. 42 MAURITANIA.
Tel: + 222 574 16 97
Fax: + 222 574 53 96
E-mail: memady@snim.com

Laurence W. Curtis
El Salvador

Laurence Curtis formed Intrepid Minerals Corp. in 1996 as a vehicle to explore Pacific Rim precious metal targets following fifteen years of work in the Caribbean Basin. He is currently affiliated with several companies working in Central Latin America.

Intrepid Minerals Corp.
155 University Avenue
Suite 1710
Toronto, Ontario
Canada M5H 3B7
Tel: +1 416 368 4525
Fax: +1 416 861 2492
E-mail: Intrepid.Minerals@Sympatico.ca

Gerald M. Ellis

Cuba, Dominican Republic, Panama, Paraguay, Uruguay, Venezuela

Gerald Ellis was Director General of Mines, Dominican Republic 1963, and 1990-1996. He has experience underground and as an exploration geologist in the US, Canada and South/Central America in the 1950s. Mr Ellis acted as a consultant for Inter American Development Bank at COMIBOL in Bolivia in the late 1960s, for SONAREM in Algeria during the late 1970s, for Freeport in Panama during the mid-1980s, and presently for Newmont Gold Co. of Denver and Petroconsultants – HIS Energy of the UK for the Caribbean.

Tel/Fax: +809 381 0469

E-mail: gerald.ellis@codetel.net.do

Dr Kevin Leahy
Equatorial Guinea, Senegal, Gabon

Kevin Leahy joined Exploration Consultants Ltd (ECL) in January 1998, primarily, to undertake regional-scale gold prospecting using genetic modelling for a major gold exploration client. Currently, Dr Leahy is involved in gold and diamond exploration project management, GIS regional reviews and exploration data analysis, country promotions, hydrocarbon exploration regional tectonics and basin analysis, and a global synthesis of regional tectonic and terrane evolution.

Dr Leahy completed his B.Sc. (1992) and Ph.D. (1996) at the University of Leeds (UK) with a year between the two working on structural control of Witwatersrand gold. His Ph.D examined the geology of the Fort à la Corne kimberlite province, Canada, and included three field seasons drilling and assessing these kimberlites on behalf of a Canadian junior exploration company. He had a spell employed as a regional structural geologist with Rock Deformation Research (in both gold and hydrocarbon exploration), before joining ECL in 1998. His broad areas of expertise include integrated regional studies, structural geology, kimberlite geology, sedimentology and geochemistry, and integration and analysis in GIS applications. He has authored numerous publications, and has presented at several conferences including the International Kimberlite Conference and the African Mining Indaba.

Exploration Consultants Ltd
Highlands Farm
Greys Road
Henley on Thames, Oxon.
RG9 4PR
UK
Tel: +44 (0)1491 415400
Fax: +44 (0)1491 415415
E-mail: k.leahy@ecqc.com
Web: www.ecqc.com

Mebrahtu Ogbazghi Hadgu
Eritrea

Mr Hadgu graduated with an M.Sc. in Mining Engineering at Moscow Mining Institute (1976-1982), and joined the Eritrean 'struggle for liberation'. Since 1992, he has worked as Head of Mines Inspection in the Department of Mines.

Department of Mines
PO Box 272
Eritrea
Tel: +291 1 202843/202844
Fax: +291 1 124509
E-mail: omebahtu@yahoo.com

Wondemagegnehu Gebre-Selassie
Ethiopia

Mr Gebre-Selassie graduated from the Law Faculty of Addis Ababa University in 1985 with an LLB degree. After graduation he joined the Ministry of Mines and Energy, and in September 1990 he went to the UK to study Natural Resources Law at the Centre for Petroleum and Mineral Law and Policy at the University of Dundee in Scotland, acquiring an LLM in resources law.

Returning to Ethiopia in 1992, he continued to work at the Ministry of Mines and Energy where he became head of the Legal Service and later head of the Mineral Operation Department. Mr Gebre-Selassie has been actively involved in formulating, drafting and later implementing the mining laws of the country. He left the Ministry in August 1996 and joined JCI (Ethiopia) plc (a subsidiary company of JCI Ltd of South Africa), where he was Legal and Administration Manager until end-June 1999.

Mr Gebre-Selassie is a part-time lecturer of Natural Resources Law at the Faculty of Law of Addis Ababa University, and is practising law in Addis Ababa.

PO Box 4323
Addis Ababa
Ethiopia
Tel: +251 1 62 67 66
Fax: +251 1 60 01 38
E-mail: wgselassie@telecom.net.et

Isireli Naikelekelevesi Nagata
Fiji

Mr Nagata is a Senior Scientific Officer (Resource Geologist) with the Minerals Resources Department in Fiji.

Mineral Resources Department
Private Mail Bag
GPO Suva
Fiji
Tel: +679 (0)338 1611
Fax: +679 (0) 337 0039
E-mail: isireli@mrd.gov.fj
Web: www.mrd.gov.fj

Krister Söderholm
Finland

Mr Söderholm attended the Åbo Akademi University in Turku, Finland, and in 1979 received a Master's degree. He joined Outokumpu Oyj in 1979. For the past 24 years he has held several positions as mine geologist, project manager, mine superintendent, exploration geologist and chief geologist. For half of his career he worked in Finland. For the remainder he served abroad, mainly in Sweden and Norway, also including some shorter duties and projects in Africa, Asia, Australia, and Central America. In December 2002 Mr Söderholm was appointed as Chief Inspector of Mines, for the Ministry of Trade and Industry, Finland.

Krister Söderholm
Ministry of Trade and Industry
Ratakatu 3
P.O. Box 32
FIN-00023 GOVERNMENT
Finland
Tel: +358 9 1603727
E-mail: krister.soderholm@ktm.fi

Peter Huxtable
Fluorspar

Peter Huxtable (M.A. (Cantab), C.Eng., FIMMM, FIQ) has been an independent mining and minerals industry consultant since 2000. He has over 30 years experience in the sector – 13 years with Anglo-American on the Zambian Copperbelt, and with Laporte at its fluorspar and barytes operation in the UK where he was Managing Director for five years. He is Director of The Barytes Association, Secretary of the British Aggregates Association and a Director of both MAUK (Mining Association of the UK) and MIRO (Mineral Industry Research Organisation). He was for several years President of the fluorspar sector group within Cefic in Brussels. In March 2000 he authored the *Financial Times* executive commodity report on fluorspar.

Tel/fax: +44 1433 639 879

E-mail: PETER_L_HUXTABLE@MSN.COM

Bob Foster

Algeria, Cote D'Ivoire, Tunisia, Nigeria

Bob Foster is Minerals Manager for the UK-based mineral and hydrocarbon consultancy group Exploration Consultants Ltd. He has contributed to the minerals industry as a professional economic geologist occupying exploration, mining and academic posts for more than 29 years.

Commencing his professional career in Zimbabwe in 1973, he was deeply involved in all aspects of the minerals industry of that country and in particular in gold exploration and mining. Subsequently moving to the University of Southampton, UK, in 1984, he established a substantial applied research group working world-wide from Brazil to China and Indonesia and throughout Africa during 1984-1998. He has published more than 60 scientific papers and edited two volumes on gold mineralisation and exploration. Linked consultancy activities took him to Europe, Africa, Australia, Asia and the Americas. During 1991-1996 he was a member of the Pan African Mining Ltd management team that developed an open pit gold mine in Zimbabwe, and was Director (Exploration) of a successful major gold exploration programme for a Pan African joint venture, also in Zimbabwe, during 1994-1996.

He is the Founder and Director of the International Liaison Group on Gold Mineralisation, generating a biannual newsletter summarising exploration, R&D, financial and other aspects of the gold-mining industry for individual, corporate, and library subscribers in more than 50 different countries. He has been an invited keynote speaker at numerous international scientific and technical conferences in Australia, Canada, Denmark, France, Ireland, South Africa, UK, and Ukraine. He joined ECL at the beginning of 1999.

Exploration Consultants Ltd
Highlands Farm, Greys Road
Henley-on-Thames
Oxfordshire, RG 9 4PR
UK
Tel: +44 1491 415400
Fax: +44 1491 415415
E-mail: r.foster@ecqc.com
Web: www.ecqc.com

Jean-Pierre Palut
France, Togo

J-P Palut graduated in economic geology and worked as a research geologist at the University of Paris and in Central Africa, and thereafter in mineral exploration with Cominco Europe. Since 1986, he has been consulting in France and most Francophone African countries for mining companies and institutions (European Commission and local governments) mainly in mineral exploration and project evaluation (base metals, gold, iron ore, barytes), as well as mineral regulations and taxation.

AGEMI sarl
135 rue du Mont-Cenis
75018 Paris
France
Tel: +33 (0)1426 23726
Fax: +33 (0)1425 40093
E-mail: jppalut@compuserve.com

Christopher Cavey Gemstones

Christopher Cavey is a gemmologist with a background of mineralogy, and of research in various aspects of the history of gemstones and their use in jewellery. He has a keen interest in engraved gemstones, especially intaglios, and in symbolical, ritualistic, and emblematic jewellery.

In 1977 he was invited to join the well known gemmologist John A. Fleming F.G.A., and it was their joint interest and love of gems that led to their acquisition of a business called Rough Gems Ltd. This firm soon gained a reputation for selling unusual, fine, and rare gemstones and mineral specimens. Among the many interesting and unusual items the company promoted and handled was the newly-discovered mineral charoite and a range of diamond crystals still in situ in kimberlite.

Among the numbers of important gemstones and mineral specimens that Mr Cavey has handled over the years was the first uncut waterworn crystal of the rare gemstone taaffeite, which he sold to London's Natural History Museum.

He qualified as a Fellow of the Gemmological Association of Great Britain in 1977 and was elected to its Governing Council in 1980, and at that time played an active role in the total rewriting of the gemmology correspondence course (leading to F.G.A., qualification). He became a consultant to *Mining Journal* in 1978, and a few years later started writing the 'Gemstones' report in *Mining Annual Review*.

He was elected Curator of the Gemmological Association collections in 1985, a position only previously held by four very distinguished gemmologists, which included Sir James Walton, Surgeon, to H.M. Queen Mary, Wife of George V; Robert Webster, lecturer and author of what is now one of the classic works on gemstones, "Gems their sources, descriptions and identification". He served the Gemmological Association and Gem Testing Laboratory of Great Britain as a member of its governing Council of Management and was a practical examiner for the F.G.A., diploma course until recently retiring. He is the gems' consultant to the 'Guinness Book of Records', and a long-standing member of the Society of Jewellery Historians.

During the course of his career Mr Cavey has presented many lectures on various aspects of gems and minerals, and has acted as consultant, valuer and advisor to many museums and educational establishments. He has escorted specialist tour groups through the complex gem and jewellery collections in London. He currently runs a shop with his full time partner Janet, at unit 178 Grays Antique Market, 58, Davies Street, London. W1, where he sells a wide range of gemstones, carvings (especially nephrite and jadeite of all periods), crystals, mineral specimens and unusual forms of jewellery. He also provides a valuation and consultancy service to a diverse range of clients.

Christopher Cavey is author of "Gems and Jewels, Fact and Fable", published by Studio Editions 1992. He also was one of the team who revised the 5th Edition of R. Webster's book "Gems, their sources description and identification".

E-mail: Ccavey@clara.co.uk

**Werner Gwosdz, Hilmar Rempel and Thomas Thielemann
Germany**

Federal Institute for Geosciences and Mineral Resources, Hannover.
Stilleweg 2
30655 Hannover
Germany
Tel: +49 511 6433470
Fax: +49 511 6432304

Joseph Yaw Aboagye
Ghana

Mr Yaw Aboagye was educated at St. Augustine's College, Cape Coast. He attended the University of Science and Technology, Kumasi, where he attained a B.Sc. (Hons.) degree in Geological Engineering in 1984.

After graduation, he joined the Minerals Commission as a National Service duty. After National Service in 1986, he was engaged by the same Commission as a Projects Officer where his duties included supervising the execution of mineral development projects.

Mr Aboagye left for further studies in 1989 at McGill University, Montreal, Canada, where he obtained a Master of Engineering Degree in Mineral Economics in 1991. He returned to the Minerals Commission as Senior Planning & Policy Officer in charge of environmental issues at the Commission. He was promoted to Principal Planning & policy Officer in 1997. Mr Aboagye's responsibilities include assisting the Director of Planning & Policy Analysis in Mineral Title Administration and dealing with Environmental issues as they relate to mining.

On August 1, 2002, Mr Aboagye was appointed as the Director of Planning and Policy Analysis of the Minerals Commission. His duties include: initiation of strategies, policies, programmes and projects for the formulation of mineral policy, including prioritisation of projects; promotion of exploration, exploitation and national development of the mining industry; receiving, processing, adjudicating, monitoring and recommending government approvals, renewals, and cancellation of mineral licences; and preparation and review of promotional brochures aimed at attracting investment into the mining industry.

Mr Aboagye has, in addition to his academic qualifications, attended short courses in the areas of mining and the environment worldwide.

Minerals Commission
PO Box M248
Accra
Ghana

Tel: +233 21 772783/772786/773053/771318/779823

Fax: +233 21 773324

E-mail: j_aboagye@mincomgh.com

GFMS
Gold, Silver

London

UK

Tel: +44 (0)20 7478 1777

Fax: +44 (0)20 7478 1779

Harold A. Taylor
Graphite

Harold Taylor is a consultant on business-related topics involving graphite, dimension stone and related industrial minerals. He has a B.A. from Brown University (Geology, Chemistry), and an M.A. from the University of Minnesota (Economics, Mining). A leading expert in his field, Mr Taylor is listed in *Who's Who in America* and *Who's Who in Finance and Industry*. He was Senior Commodity Specialist for graphite and dimension stone for the US Bureau of Mines from 1980 to 1995.

Mr Taylor has been President of Basics/Mines, his consulting group, since 1995. He has been Chair of the Subcommittee on Nomenclature, for ASTM Committee C18 on Dimension Stone since 1987. The author of the Graphite chapter in the Kirk-Othmer 'Chemical Encyclopaedia' and the 'Graphite Report' in the *Financial Times*' Executive Commodity Report series, and he updates events in the *Graphite Advocate News*, available on www.basicmines.com/graphite.

PO Box 185
Summit Point
WV 25446
USA
Tel/fax: +1 304 725 6619
E-mail: bmhtayl@earthlink.net

Professor Nicos Terezopoulos

(co author) Greece

Head of Department of Mining Engineering,

Professor C Tsoutrelis

(co author) Greece

School of Mining and Metallurgy

National Technical University of Athens

Zographou Campus

GR- 157 80 Athens

Greece

Tel: +30 210 7722159

Fax: +30 210 7722199

E-mail: terezop@metal.ntua.gr

**The Bureau of Minerals and Petroleum (BMP)
Greenland**

The Bureau of Minerals and Petroleum (BMP) is a department of the Government of Greenland, performing administrative and regulatory functions regarding mineral and petroleum licences.

BMP
PO Box 930
DK-3900 Nuuk
Greenland
Tel: +299 (0)34 68 00
Fax: +299 (0) 32 43 02
E-mail: bmp@gh.gl
Web: www.bmp.gl

Bernard Crawford
Guyana

Bernard Crawford, Guyanese by birth, is a graduate of the University of London, UK. He lives in Guyana and has worked in both the public and the private sector there. He recently took early retirement as Executive Chairman of the State-owned Bauxite Industry Development Co. (BIDCO) but maintains a keen professional interest in mining in general and bauxite mining in particular.

50 Robb & Albert Streets
Bourda Georgetown
Guyana
E-mail: amcbcf@guyana.net.gy

Peter W. Harben Inc CAR, Israel, Syria, Yemen, Gulf States, Jamaica, Surinam, Haiti, Puerto Rico, Trinidad & Tobago, Guyane, Honduras, Guatemala.

Peter W. Harben has over 25 years of experience in the market evaluation of industrial minerals. As President of Peter W. Harben Inc., an international consulting firm founded in 1986, he has participated in more than 200 assignments involving the full spectrum of industrial minerals and technical visits to more than 40 countries on behalf of clients ranging from major multi-nationals to the World Bank. Recent projects have included worldwide market evaluations, assessment of acquisition opportunities, the development of marketing plans, and participation in due diligence work. The firm works closely with professional associates whose expertise includes transportation, health and safety regulations, mineral processing, financial analysis, and glass technology. A former American Editor of *Industrial Minerals*, Peter Harben has written and spoken extensively on the subject of industrial minerals and their markets; texts include *Industrial Minerals: A Global Geology*, *The Industrial Minerals HandyBook - A Guide to Markets, Specifications and Prices*, and four titles in a series of *Financial Times Executive Commodity Reports*.

Jeanette M. Harris has written several books including *Canada - The Land and Its People*, *Mined It! A Fairy Tale with Mineral Content*, *Mountain Magic*, and *Salt Sisters*. Freelance work has ranged from articles on amber, limestone, tectites, and real estate to numerous articles on the mineral industries of several countries as well as editing projects. In London she worked in the editorial department of Camera Press, an international photographic agency whose photos and features were syndicated to some 40 countries, and became their US agent in New York. She received her honour B.A. (gold medal aeq.) in English from Victoria College, University of Toronto, and continued at the University of Toronto for an M.A.

Peter W. Harben Inc.
Industrial Minerals Consultants
4830 Tobosa Road, Las Cruces
NM 88011, USA
Tel: +1 505 521 3301
Fax: +1 505 522 5389
Cell: +1 505 496 4064
E-mail: harbenp@peterharben.com
Web: <http://www.peterharben.com>

Jozsef Molnar
Hungary

J. Molnar graduated in geological engineering from the Miskolc Technical University. He began his career at the Geological Institute of Hungary, becoming a survey geologist and ore explorer in the mountain regions of Hungary. He discovered one of the ten major oilfields of the country (Demjen). Later he became engaged in volcanologic studies and directed a country-wide exploratory drilling programme. In 1964 he was promoted to Chief Branch Geologist of the Hungarian Ministry of Heavy Industry and became a member of the National Commission on Mineral Wealth. From 1966 to 1968 he worked as an expert geologist in Cuba, thereafter he joined GEOMINCO Geological and Mining Engineering Corp. as Chief Engineer. He has taken part in the preparation of geological investigations in more than 60 foreign countries and has written more than 200 scientific-technical papers. He has been a contributor of reports to *Mining Annual Review* since 1972.

Margit krt. 44
H-1027, Budapest
Hungary

Fridrik Daniélsson
Iceland

Fridrik Danielsson holds a Civilingenjör degree (M.S. Chemical Engineering) from Lunds Tekniska Högskola (Lund Institute of Technology) in Sweden. He has been general manager of the Technological Institute of Iceland and participated in various research and development projects. He has acted as a chemical engineering consultant in many industrial projects, including metallurgical, mineral and chemical plant projects. Mr Danielsson has written numerous articles about energy and environmental matters and has authored a book on industrial development in Iceland.

Fridrik Danielsson
Consulting Chemical Engineer
Reydarkvisl 22
110 Reykjavik
Iceland
Tel: +354-5673389
Fax: +354-5673334
E-mail: fdan@vortex.is

Malcolm A. Harrower
Indium

Mr Harrower received a B.Met. (Hons) from Sheffield University, and has subsequently gained a post-graduate Diploma in Marketing. He worked initially for British Steel's Special Steels Division, later transferring to the Stainless Steel Division, and became regional manager for the South Eastern Distribution Division. He subsequently worked for an independent German company specialising in the manufacture of stainless steel special products. Mr Harrower joined MCP in 1996, and is responsible for the indium and gallium business world-wide, including metal sourcing but concentrating on the marketing of manufactured products.

He is a contributor to *Metal Bulletin* and *Mining Journal*.

MCP Ltd
1-4 Nielson Road
Finedon Road Ind. Estate
Wellingborough
Northants
NN8 4PE
UK
Tel: +44 (0)1933 225766
Fax: +44 (0)1933 227814
E-mail: info@mcp-group.co.uk
Web: www.mcp-group.co.uk

Ir. Achmad Prijono
Indonesia

Ir. Achmad Prijono graduated in Mining Engineering in 1958 from the Technische Hogeschool Delft, The Netherlands. During his tenure as President-Director at the State Coal Corp. (1981-1989) he negotiated and signed the first ten, Generation 1 coal co-operation contracts with PT Arutmin Indonesia, PT Kaltim Prima Coal, PT Adaro Indonesia etc, which in 2000 produced 74% of total Indonesian coal production of 76.7 Mt. Ir Achmad Prijono retired in 1989 as President-Director of Perum Tambang Batubara. After retirement he became an independent consultant until 2000 and at present still acts as consultant to state owned PT Aneka Tambang.

Achmad Prijono has been the President of the Indonesian Mining Association from 1983 to 1989 and currently he is an honorary member and advisory board member of the said association.

Simpruk kav.W-41
Jakarta 12220
Indonesia
Tel: +62 21 7208714/7236849
Fax: +62 21 7208714

Dr Igor Volosov, INTERFAX-CNA

**Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan,
Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan,
Turkmenistan, Ukraine, Uzbekistan**

Dr Igor Volosov, graduated from the Moscow State Institute of Foreign Relations, Department of Foreign Economic Relations, in 1982. From 1982 - 1992 Dr Volosov was Senior Research Fellow for All Union Institute of Complex Problems, Academy of Science of the USSR. From 1992 - 1996 he was head of section for the Institute for Strategic Studies, Russia, and from 1996- 1997 he acted as consultant for Alfa Capital Investment Bank. From 1998-2001 Dr Volosov was Head of Research for Interfax-M&CN. Since 2002 he has been Deputy General Director for Interfax-CNA. Interfax-CNA also provides sectoral and company research on the former Soviet Union.

Tel: +7 095 250 3173 / 250 29 22

Fax: +7 095 250 14 36

E-mail: 7vij@pm.interfax.msk.su

Interfax-CNA

Tel: +7 095 250 2922 in Moscow

Tel: +1 303 825 1510 in the US

Website: www.interfax-mcn.com

Abbas Parwaresh
Iran

Abbas Parwaresh was born in 1940 in Isfahan, Iran and studied at the University of Mining and Metallurgy (Montanuniversitaet) in Leoben-Austria from 1959-1968. He obtained a degree in Mining Engineering and Mine Surveying. On completion of his studies he was awarded a Ph.D (Dr. mont.) at the same university. He attended also the postgraduate course on Mineral Prospection, Exploration and Mining in developing countries. In 1970 he completed the Inter-Region Training Course on Nuclear Techniques at the Mining Industry in Cracow, Poland.

Dr. Parwaresh worked first as a mineral economist and mine-inspector at the Ministry of Industries and Mines of Iran. He was then employed as exploration and mine manager on several mining projects and as director of mines co-ordination and supervision for many years. He has been a university professor, state advisor, director and board member of several mining companies in Iran and has participated in many international Congresses and Seminars.

He is currently professor for Mining Engineering at Islamic Azad University, Tehran, and also provides senior consulting to the mining industry. Dr Parwaresh has been a contributor to *Mining Journal* and *Mining Annual Review* for 20 years.

Tel: +98 21 832 7022
+98 21 832 7023
Fax: +98 21 807 6838
Mobile: +98 911 245 4775
E-mail: Minco@afra.net.com

Morteza Ketabi
(co author) Iran

Projects Coordination Manager & Sungun Copper Project Member of Board
Sungun Copper Project (S.C.P.)
No.8, Zarrin Alley
North of Beheshti Street
Vali-e-Asr Avenue,
Tehran, Iran
Tel: +98 (0) 21 855 0585
Fax: +98 (0) 21 855 0394
E-mail: sunguntec@paresonline.net

N. B. Dhonau

Ireland

Exploration and Mining Division

Department of Communications, Marine and Natural Resources

Dublin

Ben Dhonau read Natural Sciences at Cambridge, receiving his B.A. in 1966 and a Ph. D. in 1970. He joined the Geological Survey of Ireland in 1969, and initially worked as a field geologist. Since 1974 he has worked on many aspects of mineral development, including negotiation of State mining facilities and examination of Environmental Impact Statements for new mines. His principal interests are mineral economics, mining law and policy, and sustainable development for the extractive industry. He has been a member of the staff of the Exploration and Mining Division since its formation in 1992.

E-mail: Ben_Dhonau@marine.gov.ie

Magnus Ericsson
Iron Ore

Managing director and co-founder of the Raw Materials Group (RMG). RMG operates the world's leading mining database Raw Materials Data including a unique Merger & Acquisitions Register. The group consists of mineral economists and mineral strategy/policy analysts. It specialises in global analysis of the mining industry starting with its in-house computerised project, ownership, production and exploration statistics. The mining equipment manufacturers are a key client group.

The Raw Materials Group advises mining companies, governments, international organisations and mining equipment and service suppliers extensively. A particular focus has been placed on developing government investment promotion strategies based on reviews of legislation, geology and organisation. Among our clients are the Governments of Greenland, Finland, Sweden, Namibia and South Africa.

Mr Ericsson obtained his MSc in chemical engineering from the Royal Institute of Technology Stockholm in 1973 and has extensive industrial management experience.

Magnus Ericsson
Raw Materials Group
PO Box 44062
S-100 73 Stockholm
Sweden
E-mail: Magnus.ericsson@rmg.se
Web: www.rmg.se

Dr Marcello Capra
Italy

Ministry of Productive Activities
Directorate-General for Energy and Mineral Resources
Via Molise, 2 00187 Rome, Italy
Tel: +39 06 47053550
Fax: +39 06 47053803
E-mail: marcello.capra@minindustria.it
www.minindustria.it

Koji Nakui
Japan

London Office
Metal Mining Agency of Japan
Chancery House
Chancery Lane
London, WC2A 1QU
UK
Tel: +44 (0)20 7242 2618
Fax: +44 (0)20 7831 5437

Prof. Norbert Opiyo-Akech
Kenya

Norbert Opiyo-Akech is an Associate Professor at the Department of Geology, University of Nairobi. He has worked extensively in the area of prospecting for minerals, particularly gold exploration in Kenya. He is a past Vice President (Eastern Africa) of the Geological Society of Africa (GSAf), Chairman, Geological Society of Kenya (GSK) and Vice-Chairman of the Geologists Registration Board of Kenya. He is also a member of the Kenya Chamber of Mines.

Department of Geology
University of Nairobi
PO Box 30197
Nairobi
Kenya
Tel: +254 (0)2 449914
Fax: +254 (0)2 449539
E-mail: opivo-akech@uonbi.ac.ke

David Knopf
Switzerland, Niger, Chad, Cameroon

A Consultant Geologist, David Knopf spent seven years as a field geologist in the Côte d'Ivoire, acquired an international experience with Alusuisse Mining in the 1970s, and established his consultancy in 1982, with most of his assignments being in Africa and Europe. For the Niger article, he was assisted by Amadou Kimba Siddo, in Niamey. For the Chad article, he was assisted by Oumar M. ABBA and Moy-Sey NDJEKOUNDAM, DMG, N'Djamena. For the Cameroon article he was assisted by Paul Ntep Gweth, Chief Engineer at DMG, Yaounde, Cameroon.

David Knopf
Consultant Geologist
1071 St-Saphorin
Switzerland
Tel/fax: +41 21 9226053
E-mail: knopf@econophone.ch

Sang-Gil Kim
Korea (Republic of)

Deputy Director
Korea Mineral Resources Information Center
Korea Resources Corp.
686-48 Shindaebang-dong
Dongjak-ku
Seoul
Korea
Tel: +82 2 840 5865
Fax: +82 2 840 5607
E-mail: sgkim@kores.or.kr

Allan Cooper
Lead

Allan Cooper graduated from the University of Cambridge in 1961 with a degree in metallurgy. After a brief spell in the steel industry, he joined Associated Lead Manufacturers (later Cookson Industrial Materials) in 1964. After serving in several technical and managerial roles he became Director of Research in 1983 before moving to the parent Cookson Group as Technical Development Manager. He left Cookson in 1991 and since then has acted as a consultant to the Lead Development Association in London, and as Projects Co-ordinator for the Advanced Lead Acid Battery Consortium's activities in Europe.

LDA International
42 Weymouth Street
London
W1G 6NP
UK

Tel: +44 (0)20 7499 8422

Fax: +44 (0)20 7493 1555

E-mail: cooper@ldaint.org or AcatCorfe@aol.com

Robert Brown
Magnesium

Robert E. (Bob) Brown was born in the 'copper country' of northern Michigan and educated in local schools. He received a B.Sc. in Metallurgical Engineering from Michigan Tech. After graduation, Mr Brown was employed by American Brake Shoe Co. in its two-year iron foundry apprentice programme.

After a three-year tour of duty in the US Air Force as a navigator, Mr Brown was employed by Dow Chemical in the Magnesium Production Development Group. Mr Brown later transferred to Magnesium Applications and worked on a programme of desulphurisation of steel with injected magnesium-lime mixes. He then moved to a new silicothermic magnesium production plant in Alabama as plant metallurgist, and was later promoted to superintendent of melting and casting, and then to director of Magnesium Operations. After the plant closed, Brown went to Bendix Foundries as manufacturing manager of an aluminum and magnesium sand, investment and die casting foundry.

As a consultant, Mr Brown has worked as executive secretary of the International Magnesium Association for three years. Past and present clients have included Dow, American Magnesium (Texas), UBE Industries, Magnode Products, Cast Rite Foundry, Magnalith Corp., Harsh Metallize Industries (India), a major Indian tea corporation, Remacor, Andrew Lechner and Associates, Peter Ensio and Associates, Metallurg (Shieldalloy), Xstrata Corp. Anaconda Nickel's Antheus Project, and Dead Sea Magnesium.

He has worked for AC Williams and Anacast Corp., both aluminium and magnesium sand foundries producing aerospace castings, and spent 20 years at Fluor Daniel as a principal technical specialist, and worked on a variety of projects.

Mr Brown went to Australia in 1997 to help Fluor with due diligence on a new large magnesium project. He then moved to the Republic of Congo with a project team in October 1998 to review a proposed magnesium mine and reduction plant site. He has also participated in the Sinomag Conference in Beijing in November 2000, and toured magnesium plants in Ningxia Province.

Mr Brown has presented technical papers and written numerous articles covering both aluminium and magnesium for *Light Metal Age*, *Magnesium Monthly Review*, and does annual reviews of magnesium for *Mining Journal*. He also writes on magnesium for *Light Metal Age* (San Francisco) and for the *Australian Journal of Mining*.

Tel: +1 334 365 9184

E-mail: Magman6@aol.com

Grain W. P. Malunga
Malawi

Grain W. P. Malunga is a Member of the Institute of Materials, Minerals and Mining (UK). He is currently a government Director of Mines and has served in various positions in State owned Enterprises. Until 1998 he was General Manager for Mining Investment and Development Corporation when he joined Malawi Development Corp. as Deputy Director of Operations responsible for new business development. He re-joined the Department of Mines on a three year contract in May 2002.

E-mail: gwpm@sdpn.org.mw

**Muhamad Nor Muhamad
Malaysia**

Muhamad Nor Muhamad is the Executive Director of the Malaysian Chamber of Mines, which is the national mining association representing the mineral industry interests in Malaysia. He has been serving the Malaysian mining industry since 1975 and has been actively involved with domestic and international mineral industry issues representing the Chamber. He has also acted as the industry adviser to the Malaysian Government delegation to a number of international forums and meetings on matters related to minerals, in particular tin. He has presented papers at several conferences and seminars, locally and internationally. Mr. Muhamad Nor Muhamad is a Fellow of both the Institute of Chartered Secretaries and Administrators and the Institute of Business Administration, UK. He is also a Fellow of the Institute of Company Secretaries, Malaysia.

Malaysian Chamber of Mines
8th Floor, West Block
Wisma Selangor Dredging
142-C, Jalan Ampang
50450 Kuala Lumpur
Malaysia
Tel: +60 3 216 16171
Fax: +60 3 216 16179
E-mail: mcom@po.jaring.my

Dennis Jones
Mali

IAMGOLD Corp.
220 Bay Street
5th Floor
Toronto, Ont. M5J 2W4
Canada
Tel: +1 416 360 4710

Howard Barrymore Masters
Antimony, Mercury

Howard Masters was born 1949 in London and commenced in the trade in 1968 with Mining and Chemicals Products. He joined Lambert Metals in 1971, shortly after its inception and during 1983/4 engineered the buy-out of the company from its parent, Ireland Alloys. He currently holds a 50% shareholding in the company (and is Chairman and Managing Director), which specialises in the trading of Minor Metals and Ferro-Alloys.

He specialises in Minor Metals, and his interest and reputation in this field is evidenced by his active Chairmanship of the Minor Metals Trade Association from 1981-1995.

Howard Masters
Chairman and Managing Director
Lambert Metals International Ltd
Tel: +44 (0) 20 8951 4844
Fax: +44 (0) 20 8951 1151
E-mail: HowardMasters@lambert-Metals.co.uk

Victor Flores
Mexico

E-mail: Victor.Flores@us.hsbc.com

Brian Nolk
Molybdenum

Brian Nolk has worked in the metals and mining sector for a number of years. He is currently principal consultant with Lighthouse Consultants in London.

Tel: +44 208 944 7630

Mobile: 07958 422 597

E-mail: bnolk@blueyonder.co.uk

Mr. Sado D. Turbat
Mongolia

Mineinfo is a relatively new consulting company, and its core business is the provision of a comprehensive range of services for mineral exploration in Mongolia. However, activities of the company are not limited to the minerals sector, but extend to other areas as well. Founders and associates represent a wide range of backgrounds and extensive work experience in many sectors of the Mongolian economy. They include bankers, construction engineers, economists, geologists, accountants, sociologists and financial experts.

Mr. Sado D. Turbat is one of the key players in the management team; he has worked for a number of international agencies and the Mongolian Government, and in a number of sectors including agricultural development, restructuring of social insurance system, social welfare network, legal reform in the mining sector, macro economic policy and privatisation of state-owned enterprises.

He actively participated in development and design of the current social insurance reform, Minerals Law, and the government Privatisation Programme (adopted in 1997) when he was working for EPSP and the Government of Mongolia.

Mr Turbat graduated from the Mongolian National University as a labour economist, and later received MBA and MA from Leeds University in UK and Waseda University in Japan.

MINEINFO

Sky Plaza Center (Tengeriin Tsag), Suite 32-33,
Olympic Street 14, Ulaanbaatar
Postal: POBox 222, Ulaanbaatar 210613
Tel: +976-11-313287 (Main Office)
Fax: +976-11-328461 (Mining Office)
E-mail: mineinfo@mongolnet.mn

Roger Murray
Botswana, Namibia

Roger Murray is based in London and is an economic analyst/consultant specialising in the natural and mineral resources of southern Africa, especially Namibia and Botswana. He is a regular contributor to *Mining Journal*, *Africa Analysis*, *African Review* and other specialist titles, and is author of the Namibia country report of the Economist Intelligence Unit (EIU). He has acted as consultant to the UN, Commonwealth Secretariat and Namibia's Ministry of Mines and Energy.

115 Canfield Gardens
London NW6 3DY
UK
Tel: +44 (0)20 7624 2894
E-mail: JRMUR115@aol.com

Richard Barker
New Zealand

Richard Barker has been established as an independent consulting geologist in Auckland, New Zealand since 1986 after ten years working in Australia, New Zealand and the southwest Pacific for mineral exploration companies and the New Zealand Government. His work now encompasses information research, public policy development and advice to the industry including metals, industrial minerals and aggregates, ranging from exploration through to production, fund-raising and permitting. Clients include companies, government agencies and industry organisations with work in New Zealand, the Pacific Islands and Indonesia.

PO Box 54094
Bucklands Beach
Auckland
New Zealand 1730
Tel: +64 9 5358955
Fax: +64 9 5370463
E-mail: rbarker@ihug.co.nz

International Nickel Study Group Nickel

The **International Nickel Study Group** (INSG) is an intergovernmental organisation aimed at improving the transparency of the world nickel market and strengthening international co-operation on nickel-related issues. The INSG Secretariat is based in The Hague, The Netherlands, since the establishment of the Study Group in 1990, and currently comprises 14 Members.

Scope of Activities:

- to collect, process and publish **improved statistics** on nickel markets;
- to compile and publish other information on nickel, such as **data on industry facilities and environmental, health and safety issues**;
- to provide a **forum for consultations** on issues of interest to nickel producing and consuming countries and their industries;
- to undertake **economic analysis** of nickel markets and related topics.

World Nickel Statistics and Nickel Market Forecast:

The INSG statistical bulletin provides a monthly release of the main nickel statistical parameters per country:

- mine and **primary nickel** production, trade, stocks and consumption;
- trade in **nickel-bearing and stainless-steel scrap**;
- **nickel content** of the products referred to above;
- processing of some world **stainless-steel melt production data**.

Twice a year, the INSG Secretariat prepares a **short-term world market balance**, which contributes to enhancing world market transparency.

Email: insg@insg.org

Knut L. Sandvik
Norway

Professor of Mineral Processing
Department of Geology and Mineral Resources Engineering
Norwegian University of Science and Technology
N-7491 Trondheim
Norway
Tel/fax: +47 7359 4912/0898
E-mail: knut.Sandvik@Geo.Ntnu.No

Manouchehr Takin
Oil

Dr Takin has been Senior Petroleum Upstream Analyst, CGES London since 1990. Previously: Senior Research Officer OPEC Secretariat, Vienna; Acting Head, Exploration/Production Research, National Iranian Oil Company; Exploration Manager Ultramar; Non-Executive Board Member, Iranian Copper Industries Company; geologist, geophysicist, reservoir engineer with Amoco International, Iranian Oil Consortium, Charter Consolidated and the Iranian Geological Survey.

Dr Takin was educated at Manchester, Cambridge and Columbia universities & IMI Tehran: B.Sc. Honours Geology, Ph.D. Geophysics, M.B.A.

Centre for Global Energy Studies
London, UK
Tel: +44 (0)20 7235 4334
Fax: +44 (0)20 7235 5038
E-mail: takin@cges.co.uk

S A Bilgrami
Pakistan

68/2, 21st Street
Phase V Defence Society
Karachi
75500
Pakistan
Tel: +92 21 5855 953
Fax: +92 21 4546679
E-mail: acecorp@fascom.com

Brian M Coope B.Sc. C.Eng, MIMMM
Magnesite/Magnesia, Perlite

Brian Coope is a Materials & Minerals consultant specialising in industrial minerals and light metals with particular emphasis on processing, product development, and marketing. He has worked on minerals projects throughout the world for a range of clients from major mining companies, exploration companies, and mineral processing equipment manufacturers to financial institutions, government departments, and minerals consuming companies. Brian Coope is a Chartered Engineer and member of the Institute of Materials, Minerals, and Mining, the Minerals Engineering Society; and the Association of Mining Analysts.

He obtained a degree in industrial metallurgy (University of Birmingham, 1968) and then worked as a foundry metallurgist (Al & Mg) for the Aero Engine Division of Rolls-Royce. He joined Metal Bulletin in 1970 and later became Editor of *Industrial Minerals* magazine and during his thirteen years with *Industrial Minerals/Metal Bulletin* prepared detailed studies on virtually the whole range of nonmetallic minerals as well as writing books on glass and ceramic raw materials, editing directories and conference volumes, and organising international conferences. He remains active as an industry commentator and writes articles on a regular basis for *Industrial Minerals* and Mining Journal's *Mining Annual Review*. He has also presented papers at international conferences and has organised highly successful meetings in London for the Institution of Mining and Metallurgy (White Minerals 1996) and for the Institute of Materials, Minerals, and Mining (Magnesium 2002).

B M Coope & Partners
33 Richmond Park Road
London SW14 8JU
UK
Tel: +44 20 8876 2197
Fax: +44 20 8876 0884
E-mail: brian@coope.org

Carlos G. Soldi
Peru

Carlos Soldi obtained his B.Sc. in Civil Engineering in 1970 from the Catholic University of Peru, a B.Sc. in Mining Engineering from University College Cardiff in 1972, and subsequently an M.Sc. in Rock Mechanics and Excavation Engineering from Newcastle University.

He worked as a full-time lecturer at the Catholic University of Peru until 1994, where he held several positions (Head of the Mining Engineering Division and Head of the Engineering Department).

Between 1997 and 2001, he was General Manager of Klohn Crippen-SVS, and from 2001 to date, he has been General Manager of SVS Ingenieros S.A. a Peruvian consultant firm specialising in geotechnical engineering and mine waste management.

SVS Ingenieros S.A.

Grimaldo del Solar 875

Lima 18

Peru

Tel: +51 1 241-4077

Fax: +51 1 446-5892

E-mail: csoldi@svs-vsv.com.pe

Bob Gilmour
Platinum Group Metals

IMPLATS
PO Box 61386
Marshalltown 2107
Johannesburg
South Africa
Tel: +27 (0)11 481 3913
Fax: +27 (0)11 484 0340
Email: Bob.Gilmour@Implats.Co.Za

Artemio F. Disini
Philippines

Artemio F. Disini recently retired as President and Chief Operating Officer of Lepanto Consolidated Mining Co. He has more than forty years of experience in the mining industry. He is a graduate of the University of the Philippines (U P) from where he earned his bachelor's degree in Mining Engineering in 1962. In 1973, he obtained his degree in Master of Business Administration from the Graduate School of the same university.

In the early 1990s, Mr. Disini was instrumental in a major mineral discovery, the 650 Mt Far South East copper deposit which is situated near the Victoria gold deposit in Benguet, Northern Philippines. Under his management, Lepanto discovered in 1995 the 4.3 Moz Victoria gold deposit.

Among his portfolio of senior management positions were: President and Chief Operating Officer of Manila Mining Corp.; President of Diamond Drilling Corp. of the Philippines; Vice President and Director of Far Southeast Gold Resources, Inc; Senior Vice President of Shipline, Inc; and Director of Diamant Boart Philippines.

As President of the Chamber of Mines of the Philippines, Mr. Disini strongly advocated sustainable and responsible mining, and supported the legal struggle to protect the constitutionality of the 1995 Philippine Mining Act. He was previously the Vice President of the Copper Sector of the Chamber and Chairman of the Editorial Board. He was President of the Philippine Mine Safety Association for two terms.

In 1994, he was awarded the Most Outstanding Alumnus of the University of the Philippines in Mining Engineering. In 1998, he was conferred the biennial award by the Philippine Society of Mining Engineers as the Outstanding Mining Engineer in Mine Management. Eventually he received the highest award in mining engineering, the coveted Outstanding Mining Engineer of the Year Award, a distinction given annually by the Philippine's Professional Regulation Commission. In 2000, he was awarded the Outstanding Alumnus of the U P Alumni Engineers for his contribution to the mining industry.

55 Lopez Jaena St., Ayala Heights Village
Old Balara, Diliman
Quezon City
Philippines
Fax: +63- 2- 931-2292
E-mail: adisini@hotmail.com

Michael Mew
Phosphate Rock

FERTECON Research Centre (FRC)
5 Bridge House
25 Fore Street
Okehampton
Devon
EX20 4LU
UK
Tel: +44 (0)1837 55141
Fax: +44 (0)1837 53846
E-mail: MichaelMew@Compuserve.Com

Anthony Williamson
Papua New Guinea

Anthony Williamson was first employed by Newmont Australia after graduating in 1979 with a B.App.Sc. from the University of Technology Sydney. Mr Williamson completed an M.Sc. degree part time at James Cook University while employed from 1982-86 by the Geological Survey of Papua New Guinea.

Subsequently, Anthony Williamson has been involved in mineral exploration and production throughout the Asian region until 1999 when he returned to Papua New Guinea in 2000 to take up the position of Director - Mining Division.

Department of Mining
Private Mail Bag
Port Moresby Post Office
Papua New Guinea
Tel: +675 3227624
Fax: +675 3213701
E-mail: anthony_williamson@mineral.gov.pg

Krzysztof Galos Ph.D.Eng
Poland

Department Head
Polish Academy of Sciences
Mineral & Energy Economy Research Institute
Department of Mineral Policy
30-950 Krakow 65, Wybickiego 7, PO Box 49
Tel/Fax: +48 12 6322068
Tel: +48 12 6323300 ext.119
Mobile: +48 502 689382
E-mail: kgalos@min-pan.krakow.pl
Web: www.min-pan.krakow.pl

Rafael Alves Pereira
Portugal

Rafael Alves Pereira is a chemical engineer and has an MBA. During the past 24 years he has held a variety of project, operations and planning positions in several industrial companies in Portugal. In 1990 he became the planning and control manager of Somincor.

E-mail: alves.pereira@somincor.pt

Jane Spooner
Potash

Jane Spooner trained as a geologist and has specialised in mineral market analysis for metals, industrial minerals and specialty mineral products, coal and uranium. She is a founding member and a Vice President of Micon International Ltd, which provides mineral industry consulting services from offices in Toronto (Canada) and Norwich (UK). Ms Spooner was Chairman of the Mineral Economics Society of the Canadian Institute of Mining, Metallurgy and Petroleum for 2000-2001 and 2001-2002.

Micon International Ltd
900-390 Bay Street
Toronto, Ontario
Canada M5H 2Y2
Tel: +1 416 362 5135
Fax: +1 416 362 5763
E-mail: mail@micon-international.com
Website: www.micon-international.com

Anthony Lipmann
Rhenium

Anthony Lipmann is the owner and managing director of, minor-metal trading company, Lipmann Walton & Co Ltd.

The company was found in 1953 and was originally involved in the trade of beach sands and tin in the pacific region & Australia.

Today, Lipmann Walton & Co Ltd is the worldwide distributor of Rhenium Metal Pellets (Re 99.9% min super alloy grade) on behalf of W.C.Heraeus GmbH & Co KG of Germany. The company is also involved in numerous aspects of the Rhenium trade including recycling and a wide range of special and industrial metals.

In 2000 Anthony Lipmann produced the FT Energy Report on *Rhenium* and has given numerous talks both in the US and Europe on this subject. He is also Chairman of The Minor Metals Trade Association based in London and a regular columnist for the London *Metal Bulletin*.

Lipmann Walton & Co Ltd
Tel: +44 (0)1932 224344
Fax: +44 (0)1932 230520
E-mail: anthony@lipmann.co.uk
Web: www.lipmann.co.uk/

Ian Robinson
Ferroalloys, Manganese, Chromite

c/o Magnetype Secretarial Bureau
PO Box 1105
Cramerview 2060
Republic of South Africa
Tel: +27 (0)11 463 4064
Fax: +27 (0)11 463 1041
E-mail: Rsvp@Yebo.Co.Za

Saudi Arabia

Ministry for Mineral Resources
PO Box 345,
Jeddah 21191
Kingdom of Saudi Arabia.
Tel: +966 2 667-4800
Fax: +996 2 667-2265.

Neil Scott

Jordan, Libya, Sudan

Neil Scott has 30 years' experience of the exploration and evaluation of metalliferous, industrial mineral, and gemstone deposits and mines, most of which was gained with International Mining Consultants (IMC). He became an independent geological consultant in 2000.

He has great experience of due diligence studies, technical audits and feasibility studies – particularly for small- and medium-sized operations – as well as in mineral sector studies. He is particularly interested in promoting investment in the mining sector, and in identifying mineral investment opportunities and their potential for downstream value adding.

He has worked in Albania, Armenia, Bhutan, Brazil, Burkina Faso, Burundi, Canada, China, Colombia, France, Ghana, Greece, Ireland, Jordan, Kazakhstan, Liberia, Macedonia, Mozambique, New Zealand, Nigeria, Oman, Pakistan, Russia, Saudi Arabia, Sierra Leone, South Africa, Spain, Suriname, Tanzania, Turkmenistan, United Arab Emirates, UK, US, Venezuela and Zambia.

23 Grange Drive
Bishop's Cleeve
Cheltenham
GL52 8LW, UK
Tel: +44 (0) 1242 679056
Fax: +44 (0) 1242 679056
E-mail: Neilcscott@aol.com

G.R. Seshadri India

Mr Seshadri holds a Master's degree in Economics and was for over six years the Editor of India's only weekly magazine on minerals and metals, *The Eastern Metals Review*, Calcutta. As a knowledgeable commentator on the metals and minerals scene, he was considered an authority on the subject and was often quoted as such, both in the Indian press and Parliament. He has been a regular contributor to *Mining Annual Review*.

Ian Wilson
Kaolin

Ian Wilson has been involved in Industrial Minerals since 1974 following service in the Army and three years with IGS (now British Geological Survey). He worked 27 years for ECC International and prior to retirement with Imerys, mainly on exploration for kaolin and calcium carbonate deposits throughout the world. He was also General Manager of ECC's kaolin operations in Brazil and Spain and was project manager for start-up GCC operations in Sweden and China. Since January 2001 he has established his own consultancy company and has been involved in a wide range of industrial minerals including projects in North Korea (Magnesite), Bentonite (China), Calcium Carbonate (Romania and China) and Kaolin (Australia, China, Canada).

Ian Wilson
Ian Wilson Consultancy,
Withielgoose Farmhouse,
Withiel,
Bodmin, Cornwall, PL30 5NW,
UK
Tel: +44 1208 831 365
Mobile +44 7900 224 772
E-mail: ian.r.wilson@btinternet.com

Stephen Harriman
Soda Ash

Harriman Chemsult Ltd
45 Britton Street
London
EC1M 5NA
UK
Tel: +44 (0)20 7490 5100
Fax: +44 (0)20 7490 3991
E-mail: stephen@harriman.co.uk

Bartolomej Baláž
Slovak Republic

Bartolomej Baláž, born in 1954, completed his geological studies at the Mining Faculty of Technical University in Kosice in 1980. Since then he has worked as Lecturer, later as Senior lecturer at his alma mater. In 1992, he obtained a Ph.D. in geology. He is interested in the geology of mineral deposits.

Head of Department of Geotourizm
BERG Faculty
TU Kosice
043 84 Kosice
Slovakia
E-mail: Bartolomej.Balaz@tuke.sk

**Geoffrey V. Blackburn B.Sc. F.Aus.IMM; C.P.Geo, MMICA, FSEG, MASA
Somalia**

Geoff Blackburn is a Consulting Geologist with more than 30 years experience in the exploration for precious and base metals. Although based in Perth, Western Australia, he has had considerable experience in a variety of African countries since 1982.

He has recently been directly involved in the discovery of significant PGM mineralisation at Indee in Western Australia. He has been involved with PGM exploration since his first discovery of PGMs in 1986 and has become a respected exploration consultant in this field, in particular by applying his interest in alternative (or non Bushveld) models towards the discovery of new PGM deposits. He remains actively involved in gold exploration and has been associated with many discoveries of gold mineralisation. He has a keen interest in 3D geochemistry and the application of low level detection methodologies from an exploration viewpoint. He is the co-developer of the BLEG technology that has been responsible for the discovery of many gold deposits around the world.

He is the published author of three books on colonial history. This sense of history, coupled with his acknowledged research skills and wide ranging academia are important factors in creating potential new resource discoveries from the faintest of clues. He has been sought after to serve on a number of advisory and technical committees as well as presiding over Australia's peak professional exploration body.

PO Box 6
Glen Forrest
Western Australia
Australia 6071
Tel: +61 8 92988990
Fax: +61 8 92989629
E-mail: geoffb@q-net.net.au

José Antonio Espí
Spain

Dr Espi received a B.Sc. in Mining Engineer from ETSIM of Madrid in 1971, and a Ph.D. in 1977. He was given an MBA from Highlands University in New Mexico, US, in 1986.

Dr Espi has worked in mining exploration, research and technology, and mining projects. His various appointments include: Director of Geology 1992-1996, ITGE (Geological Survey of Spain); Director of Mineral Resources 1996-1997, ITGE; Professor of Mineral Evaluation and Exploration in the ETS Ingenieros de Minas de Madrid, 1989-2003.

José Antonio Espí
ETSIM de Madrid
Ríos Rosas 21
28003 - Madrid
Spain
Tel: +34 91 3366985
Fax: +34 91 3366450
E-mail: espi@dinge.upm.net

Walter G. Steblez

**Serbia, Croatia, Slovenia, Macedonia, Montenegro, Bosnia Herzegovina
(Former Yugoslavia)**

US Geological Survey Minerals Information Office
International, 983 National Center
2201 Sunrise Valley Drive, Reston
VA 22092, USA
Tel: +1 703 648 7743
Fax: +1 703 648 7737
E-mail: Wsteblez@Usgs.Gov

Anthony Sweeney
Steel

Anthony Sweeney has worked in the steel industry and the raw materials sector for a number of years. He is currently a senior associate consultant with Anderson & Schwab Inc. of New York.

Anderson & Schwab Inc.
444 Madison Avenue
New York
NY 10022-6903
USA
Tel: +1 212 758 6800
Fax: +1 212 755 9576
E-mail: elenomics@hotmail.com

Barrie Bain
Sulphur

Director
FERTECON
Royal Victoria House
The Pantiles
Tunbridge Wells
TN2 5TE
UK
Tel: +44 (0)1892 701 710
E-mail: barrieFertecon@btconnect.com

Sven Arvidsson
Sweden

Geological Survey of Sweden
Box 670
S-751 28 Uppsala
Sweden
Tel: +46 18 17 90 00
Fax: +46 18 17 92 10
E-mail: Sven.Arvidsson@Sgu.Se

C. Edward Mosheim
Tantalum, Niobium

Mr Mosheim is the Technical Promotions Officer for the Tantalum-Niobium International Study Center, an international association founded under Belgian law in 1974. Its members are companies involved in the mining and production of tantalum and niobium raw materials, trading, assaying, processing and refining these two elements into various chemicals, pure metal, and alloys, as well as electronic components, carbide tools, and turbine blades for air and land-based turbines. There are currently some 80 member firms, from over 20 countries across the world, and they include most of the major companies involved with these metals.

Technical Promotions Officer
Tantalum-Niobium International Study Center
rue Washington 40
B-1050 Brussels
Belgium
Tel: +32 2 649 51 58
Fax: +32 2 649 64 47
E-mail: info@tanb.org
Web: www.tanb.org

Dr Peter D. Kafumu
Tanzania

Dr Peter D. Kafumu is a Tanzanian Senior Geologist, working with the Ministry of Energy and Minerals of the Government of the United Republic of Tanzania. He is currently the Acting Head of Promotion and Statistics in the Minerals Department responsible for the promotion of investment in the mineral sector in Tanzania. His basic work among other things include; maintaining a mineral database for the ministry, disseminating information about the minerals sector to the public, representing the country in international mineral fora and responding to public inquiries regarding the mineral sector.

Born in Kahama District, Tanzania he is married and has four children. He graduated with a B.Sc. (geology) Hons at the University of Dar-Es-Salaam in 1983. Since then he was employed by the said ministry as an exploration geologist. Between 1983 and 1987, he was a field Project Leader and Exploration Geologist for the URT/UNDP gold and base metal mineral exploration projects in the Lake Victoria gold fields. The projects were undertaken in joint venture by the Geology Section (equivalent to the Geological Survey) of the Minerals Division in Dodoma and UNDP expatriates. These basic projects led to the discovery of the Bulyanhulu Kahama gold deposits.

Between 1987-93, having obtained his Postgraduate Diploma in Education from the University of Dar-Es-Salaam, Dr Kafumu was Vice Principal, Tutor and Academic Coordinator at the Mineral Resources Institute in Dodoma, responsible for the management, Institutional/Infrastructure development and training of mining and geological technicians.

Between 1995 and 1997, having obtained his M.Sc. (Environmental Geology) degree from the Free University of Brussels in Belgium, he was Senior Geologist at the Ministry of Energy and Minerals (Minerals Division – Geology Section in Dodoma), responsible for mineral exploration, regional geological mapping and environmental impact assessment for natural hazards and mineral resource development activities.

Between 1997 and 2000 Dr Kafumu undertook a Doctoral research in environmental Quaternary geology in Olduvai Gorge – NE Tanzania at the Free University of Brussels, Belgium. In 2000–01 he resumed his post as a Senior Geologist at the Ministry of Energy and Minerals (Geology section) responsible for geological mapping, map preparation, map editing and geo-hazard environmental assessment, before being transferred to the Ministry's headquarters to be the acting Head of Promotion and Statistics in March 2001, the post he is holding today.

Ministry of Energy and Minerals,
P.O. Box 2000, Dar-Es-Salaam.
Tel/Fax: +255 (0) 22 2137142 (office)
Mobile: +255 (0) 744 296640
E-mail: kafumu@yahoo.com

Quanchai Leepowpanth
Thailand

39 Ladprao Road
Soi 124, Bangkok
Bangkok 10310
Thailand
Fax: +66 2 934 3249

Robin Amlôt
Tin

Wasp Green Farm
Wasp Green Lane
Outwood
Redhill
Surrey
RH1 5QE
UK
Tel: +44 (0)1342 844 988
E-mail: robin.amlot@dial.pipex.com

Alan Heap
Titanium

Alan Heap is the global commodity analyst at Smith Barney. He is responsible for preparing market forecasts for a range of commodities, as well as detailed industry studies.

Prior to joining Smith Barney, he worked for Renison Goldfields in Sydney and Consolidated Goldfields in London where he was directly involved in the titanium markets.

Smith Barney
Level 22, Citigroup Centre
2 Park Street
Sydney, NSW 2001
Australia
Tel: +61 2 8225 4853
Fax: +61 2 8225 5445
E-mail: alan.heap@citigroup.com

**Michael Maby
Tungsten**

Secretary-General
International Tungsten Industry Association
2 Baron's Gate
33 Rothschild Road
London W4 5HT
UK
Tel: +44 (0)20 8742 2274
Fax: +44 (0)20 8742 7345
E-mail: info@itia.info
Web: www.itia.info

Dr Ata Akcil
Turkey

Suleyman Demirel University
Faculty of Engineering and Architecture
Department of Mining Engineering
Mineral Processing Division
32260 Isparta
Turkey
E-mail: ata@mmf.sdu.edu.tr

John Shrimpton MBE
UK

Following War Service as RAF aircrew, John Shrimpton graduated from the Camborne School of Mines in 1950. He obtained a degree in Geology from the University of London the following year, and in 1975 the M.Sc. in Rock Engineering from the Royal School of Mines, London. He worked on the Roan Antelope copper mine in Northern Rhodesia (now Zambia) in the early 1950s, after which he joined the staff of the Camborne School of Mines, and in 1984 retired as Head of the Mining Department. He has been *Mining Journal's* correspondent since the 1960s and the UK contributor to *Mining Annual Review* since 1969. He was appointed MBE in 1984.

Mr G.J. Shrimpton
Trefewen
Pendarves Road
Camborne
Cornwall TR14 7QF
UK
Tel: +44 (0)1209714402

Steve Kidd
Uranium

World Nuclear Association
Twelfth Floor, Bowater House West
114 Knightsbridge
London
SW1X 7LJ
UK
Tel: +44 (0)20 7225 0303
Fax: +44 (0)20 7225 0308
E-mail: kidd@world-nuclear.org

Jack N. Gerard
US

Mr Gerard is President and Chief Executive Officer, The National Mining Association, Washington, D.C. USA

Please address all questions and inquiries to Ms Connie Holmes, Senior Economist and Director of International Policy, National Mining Association, 101 Constitution Ave, NW, Suite 500 East, Washington, D.C. 20001 USA.

E-mail: cholmes@nma.org

Peter S. Mitchell
Vanadium

Highveld Steel and Vanadium Corp. Ltd
Director, Vanadium Market Development
Winterton House
High Street
Westerham, Kent
TN16 1AQ, UK
Tel: +44 (0)1959 563 400
Fax: +44 (0)1959 562 563
E-mail: vanitec@btconnect.com

Usman Boie Kamara
Sierra Leone (co-author)

Deputy Director of Mines
Mines Office
Youyi Building
Brookfields
Freetown
Sierra Leone
Tel/Fax: +240 574
E-mail director@sierratel.sl

Leslie Wright

Guinea, Liberia (co-author with Jenkins K. Dorbor, Director of Mines, Ministry of Lands, Mines and Energy), Sierra Leone (co-author with Usman Boie Kamara and Mohamed Bundu Mansaray, Deputy Director, Geological Survey Sierra Leone)

Dr Leslie Wright is an independent Consultant and structural geologist, with thirty years experience of:

- the application of geological techniques to regional exploration, mineral deposit evaluation and mine development strategies;
- research, development and training in geological techniques to assess tectonic history and mineral genesis, techniques aimed at facilitating the discovery of new mineral deposits and to assess their three-dimensional distribution;
- the assessment and implementation of exploration strategy, training programmes, database provision and higher education provision for governments and companies wishing to develop their mineral resources.

His priority has always been the identification and assessment of mineral concentrations in complex deformed terrains, irrespective of commodity. Studies completed include feasibility, pre-feasibility and exploration assessments of deposits of gold, coal, phosphate, tin, iron ore, carbonatite, chromite, silver, tin and diamonds in a wide variety of countries worldwide.

Recently Leslie Wright has been

- Vice-President (Exploration) for Mano River Resources, and has managed exploration programmes for Mano River in all the Mano River Union countries since 1994;
- Visiting Research Fellow at the Institute of Oceanographic Sciences, University of Southampton, UK;
- Quality Assessor for Higher Education institutions in the Earth Sciences in England and Wales.

Born near London in 1949, he completed his Ph.D. at Leeds University in 1976, studying finite strain, tectonic history and mineralisation in the Limpopo belt of Botswana and Zimbabwe. He followed this with a similar research programme based at Montpellier in France into the Pan-African Orogeny in the Malian Sahara desert. He then embarked on a career to apply the techniques he had learned to the identification and evaluation of mineral resources. The African connection has continued with a continuing association since 1980 with government, university and the private sector in Sierra Leone, and with exploration and feasibility studies undertaken in Mali, Niger, Burundi, Liberia and Guinea.

Elsewhere in the world, he has undertaken exploration, remote sensing assessments, feasibility, mine development, resource assessment and training assignments in South Korea, Greece, Pakistan, Saudi Arabia, Mozambique, Spain, Mexico and Cuba. In all he has consulted for

governmental organisations and mining and exploration companies in 14 developing countries world-wide.

Dr Leslie Wright

Tel: +44 (0)1489 574081

Fax: +44 (0)1489 581239

E-mail: L.I.Wright@btinternet.com

Martin Broome
Zambia

Martin Broome obtained a degree in Geology from the University of Wales in 1973 and a Masters degree in Engineering Rock Mechanics from Imperial College of Science and Technology, London in 1978.

Mr Broome worked in various technical positions in the Zambian mining industry for 20 years before becoming a founding partner and Managing Director of African Mining Consultants Ltd in 1994. He acts as consultant on mining operations and projects throughout Africa.

African Mining Consultants have been providing mining and environmental consulting services to the mining industry since 1994. The company is affiliated to Golder Associates and specialises in African gold and base metal mines and projects.

Originally set up to service the copper-cobalt mining industry in Zambia, the company now carries out mining and geological work all over the continent and is currently working on projects in countries as far afield as Sudan, Ghana, Mauritania and South Africa.

Contact: Martin Broome/Andrew Spivey
Tel: +260-2-211108
Fax: +260-2-211104
Email: amc@zamnet.zm
Web: www.amc.co.zm

**John Hollaway & Associates
Zimbabwe**

PO Box HG 49

Highlands

Harare

Zimbabwe

Tel: +263 4 862044

Fax: +263 4 862044

E-mail: jha@zol.co.zw

Dr Edouard Gervais
Zinc

Executive Director
International Zinc Association

Edouard Gervais was appointed Executive Director of IZA in 1991 to launch and manage the world voice of the zinc industry.

Previously Dr Gervais worked for Noranda Sales and Technology Centre in marketing and in R&D management. He is a fellow of the Canadian Academy of Engineering. He has a Ph.D., Master and Bachelor Degree in Metallurgical Engineering from Ecole Polytechnique, University of Montreal, Canada. He has produced close to 50 scientific publications including nine patents.

Murray Cook
Zinc

Manager, Environment & Public Affairs
International Zinc Association

Murray Cook graduated in 1987 with B.Sc. (Hons) in Materials Science and Metallurgical Engineering from University College, Cardiff, UK. He holds a Chartered Institute of Marketing Diploma and is a professional member of the Institute of Corrosion and a member of the Royal Institution of Great Britain.

He started his career as Process Engineer in the semi-conductor industry before joining the Zinc Development Association, London as Marketing Executive in 1989 where he focused on general galvanizing. He then moved to head the Cadmium Association, from 1990-1995.

In 1995, he rejoined the general galvanizing industry as Director of the Birmingham-based Galvanizers Association – one of the foremost national market development associations for general galvanizing.

In March 2001, he joined the team at IZA's HQ in Brussels as Manager, Environment & Public Affairs, with particular responsibility for advancing IZA's sustainable development action plan.

International Zinc Association
168 avenue de Tervueren/Box 4
B-1150 Brussels
Belgium
Tel: +32 2 776 0076
Fax: +32 2 776 0089
E-mail: mcook@iza.com

Charles Skidmore
Zirconium, Hafnium

Charles Skidmore is Chairman/Managing Director of Minchem Ltd. Minchem was formed in August 2000 as a management buyout from Mandoval Ltd and Zirconia Sales (UK) Ltd, wholly owned subsidiaries of Rio Tinto plc.

Mr Skidmore has been involved in zirconias and ceramics, refractories and minerals industries for over 30 years and was previously with Podmore & Sons Ltd, Stoke-on-Trent, UK. Before that he worked in paper, plastic, surface coatings and general chemicals, covering materials and capital equipment.

Mr Skidmore attended the University of Manchester Institute of Science and Technology in the UK, reading Physical Chemistry and holds membership of the Institute of Materials and the Royal Society of Chemistry.

He has written and presented articles on ZrO_2 and related areas for a number of years.

Author's data compared with published information from TZ Minerals Sands Report 2003, and *Industrial Minerals* magazine May 2003.

Minchem Ltd
The Old Pottery
4 Hillside Road
Aldershot
Hampshire
GU11 3NB
UK