

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

Omar Chabane Algeria

Omar Chabane Graduated from the University of Algiers, he has worked with the National Enterprise for Graphic Arts, The National Institute of Commerce Algiers, and is a director of Moubly Dal.

E-mail: s_djezar@hotmail.com

Angus MacMillan Aluminium
Prudential Bache International Ltd
9 Devonshire Square
London EC2M 4HP

E-mail: angus_macmillan@prusec.com

George Sanders: Co author Argentina

George Sanders, P.Geol is a consulting geologist who lived in Argentina from 1993 – 2001 and now resides in Bellingham, Washington, US. He is a member of the Association of Professional Geoscientists and Engineers of British Columbia and is a Licensed Engineering Geologist in the State of Washington. He works for Minerals Testing and Consulting Inc (MTC) 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 – 1995. Mr Sanders was educated at the Colorado School of Mines and the University of Arizona. He is active in the Mining and Exploration Division of the Society for Mining, Metallurgy and Exploration (SME) and also belongs to the American Association of Petroleum Geologists (AAPG) and the Society of Economic Geologists (SEG).

Tel + 1 360 325 0114

Fax: +1 360 325 0117

E-mail: gsanders@openaccess.org

Nivaldo Rojas Co author Argentina

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. He 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 consultancy, 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: rojasniv@rojasyasociados.com.ar

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

Geoscience Australia Australia

Michael Huleatt, Lynton Jaques, Aden McKay, Bill McKay, Keith Porritt, Milco Ratjkoski, Ron Sait, Roy Towner

GPO Box 378
Canberra ACT 2601
Australia
Phone: +61 2 6249 9087
Fax: +61 2 6249 9983
www.ga.gov.au

Brian O'Connell Barytes

Brian O'Connell is Manager of Minerals Resources for Baroid's Industrial Products Group, a product and service line of Halliburton Energy Services. For the past four years, he has been responsible for sourcing crude barite ore for both CIMBAR (which was sold in December of 2003), but also its parent, Baroid. He worked previously in New York as a Product Manager for the Inorganic Chemicals Department of Mitsubishi International Corporation, where, among other things, he was responsible for the export of bentonite into Asia for over 12 years.

Brian O'Connell
Manager, Mineral Resources
BAROID Industrial Products Group
3000 North Sam Houston
Parkway East, Houston,
TX 77032. USA.
Tel: +1 281.871.7450
Fax: +1 281.871.5740
Cell: +1 281.546.7530

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 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: <<http://www.roskill.co.uk>>.

Bob Foster Cote D'Ivoire, Equatorial Guinea, Tunisia

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 31 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 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

David Fox Bolivia

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

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

Phyllis A. Lyday Boron

Phyllis A. Lyday has been the boron commodity specialist for the US federal government since 1980. After obtaining a B.S. in Geology-Chemistry from the University of Alabama and a Masters in Energy Resources from the School of Engineering, University of Pittsburgh, she worked for various state and federal agencies in Alabama and North Carolina. She is a charter member of the Washington DC Section of Women in Mining and has served as both chapter and national president, and received the WIM National Distinguished Service Award. She is past chairman of the Washington DC Section of the Society for Mining, Metallurgy, and Exploration, and received the section Herbert C. Hoover Award. She is registered as a certified geologist in the state of Virginia.

Phyllis A. Lyday
U.S. Geological Survey
National Center – Mail Stop 983
12201 Sunrise Valley Drive
Reston, Virginia 20192
U.S.
Tel: 01-703-368-6321
Fax: 01-703-648-7757
E-mail: plyday@usgs.gov
Web: <http://minerals.usgs.gov/minerals/pubs/commodity/iodine/>

John Menzies (co author) Bulgaria

John Menzies hold a BSc.(Hons) in geology. He has more than 25 years experience in the resource sector. He was a senior geologist for Amax Inc responsible for gold exploration in Western Australia from a base in Kalgoorlie. As a consultant he advised companies on projects as diverse as gold, base metals, diamonds and industrial minerals. More recently he has focused on the financial aspects of the natural resources sectors and has been involved in the successful development of mining and energy projects internationally. He has acted as a director and executive of both Australian and Canadian listed companies and is a member of professional societies in Australia, North America and Europe. He is Chairman of CMI Capital Ltd and Omax Resources Ltd and Managing Director of Bulgarian minerals exploration company Martern EOOD.

Contact:- jmenz.gen@cmi-capital.com

Dimitar Lazarov Dimitrov: (co author) Bulgaria

Dimitar Dimitrov holds a BSc. (Eng.) in geological engineering from Sofia Mining-Geological University. He has more than 15 years experience in the minerals industry, mainly involved in metal prospecting and exploration. He was Chief Geologist for Geoengineering, a Bulgarian exploration and mining company. More recently he has held the position of senior geologist for international companies including Royal Gold Inc, Phelps Dodge Inc, and Silver and Baryte SA. He was involved in regional reconnaissance, project acquisition and exploration in Bulgaria, Greece and Russia. Dimitar is the Chief Geologist SE Europe for Omax Resources Ltd and Martern EOOD.

Contact:- ddimitrov@cmi-capital.com

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 Adviser to the Minister of Energy and Mines, having previously been Project Co-ordinator, within 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

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

Simon Tarbutt Chile

Simon Tarbutt, a Camborne School of Mines graduate, has worked for 40 years on non-ferrous mining projects and operations in South America; forming and developing multinational and multilingual teams, coordinating with government entities, and laying out long-range policy plans and budgetary control. Based now in Santiago, Chile, running his own consulting business, he has been involved in trouble-shooting problems involving new technology and personnel.

S Tarbutt Consultores e Inversiones S.A.

Av. Suecia 0119 Of. 47

Providencia

Santiago

Chile

Telefax: (56 2) 219 4046

E-mail: starbutt@consultores.sa.cl

Liping Chen, Guoming Song (co-authors) China

Ms Liping Chen is the Deputy Division Chief of the Division of Management and Development, Information Centre, Ministry of Land and Resources, Beijing, China. Ms Liping Chen graduated from Nanjing University. She is focusing on research of resources sustainability of China.

Mr Guoming Song is a senior researcher for the Division of Management and Development, Information Centre, Ministry of Land and Resources, Beijing, China. 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 Training Ltd, Aberdeen)

Local office:

2 Church Street

Shirland

Alfreton

Derby

DE55 6BJ

UK

E-mail: jaknightuk@aol.com

Michael Seaward Costa Rica (Co Author)

Michael Seaward ARSM, BSc, CEng, FIMM, a professional geologist, formed Minconsult Internacional y Asociados, S.A. in San José, Costa Rica in 1997 to provide mine consulting services in the region. For over thirty five 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

Email: mseaward@racsa.co.cr

Tim Coates Costa Rica (Co Author)

Tim Coates MSc, MBA, PEng, President of TC & A Geological Consultants, San José, Costa Rica, since 1984.

He is a professional geologist with more than thirty five 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

Email: tcoates@racsa.co.cr

Arnošt Sýkora Czech Republic

Arnošt Sýkora graduated from the University of Economics in Prague. He is connected with the Department of Non-Renewable Resources, for the 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

Bram Janse Diamonds

Bram Janse has worked in the diamond exploration industry for more than 40 years. He is currently a director of Paramount Mining Corp Ltd and of Australian Indian Resources Pty Ltd as well as managing his own consultancy company, Archon Exploration, based in Perth.

Archon Exploration Pty Ltd
11 Rowsley Way
Carine
Western Australia 6020
Australia

John Sutcliffe Ecuador

PO Box 1707 9672,
Quito, Ecuador
E-mail: js@imc.com.ec”

Laurence W. Curtis El Salvador

Laurence Curtis founded Intrepid Minerals Corp in 1996. He is a geologist (PhD, 1974, Toronto) and has over 30 years of international experience in the natural resource sector with direct experience in Africa, Greenland, North, South and Central America, and in the Pacific. Mr. Curtis has spent 15 years working in the Caribbean Basin and has been responsible for several epithermal discoveries during this tenure.

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: lcurtis@intrepidminerals.com

Isireli Naikelekelevesi Nagata Fiji

Mr Nagata is a Senior Scientific Officer (Resource Geologist) with the Mineral 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

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 for his National Service personnel. 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 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

Peter W. Harben Inc CAR, Israel, Syria, Yemen, Gulf States, Jamaica, Suriname, 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 numerous 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, tektites, 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 U. of T. for an M.A.

Peter W. Harben Inc.
Industrial Minerals Consultants
5251 Eagle Pass Road, Las Cruces, NM 88011, USA
Tel: +1 505 521 3301
Fax: +1 505 522 5389
Cell: +1 505 496 2996
E-mail: peter@peterharben.com
Web: <http://www.peterharben.com>

Dr. Béla Fodor (co author) Hungary

Dr Fodor Graduated in 1966 as mining engineer/geologist at the Technical University of Heavy Industry, Miskolc, where he gained Dr. Techn. Degree in 1983. Between 1966 and 1975, he worked in underground bauxite mines as mining engineer, then he was promoted to the position of the principal geologist of the Hungarian Aluminium Co. in Budapest. When the Hungarian Geological Survey was established in 1993, he became the head of the Mineral Assessment Unit of the Survey. After retirement in 2004, he is special adviser to the director general of the Survey. From 1994 on, he has been engaged as an expert in the work of United Nations /ECE (Committee of Sustainable Energy, Energy Division), and he is a member of Steering Committee for the 'PECOMINES' project, Joint Research Centre of the European Commission. He was principal investigator of four joint US-Hungarian projects (with US Geological Survey, in mineral management, coal and hydrocarbon geology, coalbed methane prospecting, etc).

Address: Hungarian Geological Survey, P.O.B. 17, H-1440 Budapest, Hungary
Tel./Fax: 361-251-6978
E-mail: fodor@mgsz.hu

Kristóf L. Kakas (co author) Hungary

Kristóf L. Kakas graduated as a geophysicist at the Eötvös University of Science, Budapest in 1966. Working for decades for the Eötvös Loránd Geophysical Institute, his expertise covers bauxite prospecting, gravity and geoelectric exploration methods, and regional mapping. He was engaged in development projects, applying some novel methods in geophysical prospecting. Participating in several international projects, he has worked in Mongolia, Iran and Cuba for sustained periods.

In 1993 he was transferred to the Hungarian Geological Survey, where he has commanded the secretariat of the Survey and has the responsibility for foreign and public relations. Retireming from his governmental agency position soon, he wants to return to his earlier expertise, acting as independent geophysicist and working for the Association of Hungarian Geophysicists.

H-1026 Budapest
Gábor Áron u. 50/a
Phone: 361-267-1421
Fax: 361-251-1759
E-mail: kakas@mgsz.hu

Péter Papp (co author) Hungary

P. Papp graduated in geology from the University of Sciences, Budapest (ELTE), 1973. He started his career at the Central Geological Office (KFH)

assisting the researchers of the Regional Surveys. Later he became a field geologist at the Hungarian Geological Institute (MAFI), and worked in the middle and southern territories of the Transdanubian Region. He took part in the International Geological Expedition, E-Mongolia in 1983-84. He has also participated as an expert in a one year long postgraduate training course in remote sensing (CETEL) at GDTA, Toulouse and UPMC, Paris in 1992-93. He now works in the Museum of MAFI and is a member of the Committee of the Hungarian Geological Society.

E-mail: papp@mafi.hu

Jane Spooner Rare Earths and 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 with Micon International Limited, 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, and is Co-Chair of the Society (renamed Management and Economics Society) for 2004-2005.

Micon International Limited
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

Ian Wilson Kaolin, Ground Calcium Carbonate

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/Imerys mainly on exploration for kaolin and calcium carbonate deposits throughout the world. He was General Manager of ECC's kaolin operations in Brazil (ECC do Brasil at Mogi das Cruzes) and Spain (CEDESCA at Poveda de la Sierra) and was project manager for start-up GCC operations in Sweden (Tunadal) and China. (Nanling, Anhui Province). Following retirement in January 2001 he established his own consultancy company and has been involved in a wide range of industrial minerals including projects in magnesite (North Korea), bentonite (China), talc (China), calcium carbonate (Romania and China) and kaolin (Australia, China, Canada, India and Suriname). He has contributed articles to a wide range of publications on various aspects of industrial minerals.

Ian Wilson
Ian Wilson Consultancy,
Withielgoose Farmhouse,
Withiel,
Bodmin, Cornwall, PL30 5NW,
UK
Tel: +44 1208 831 365
Fax: +44 870 762 0266
Mobile + 44 7900 224 772
E-mail: ian.r.wilson@btinternet.com

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
Email: cooper@ldaint.org or AcatCorfe@aol.com

Dr Kevin Leahy Senegal and Gabon

Kevin Leahy joined Environmental Resources Management Ltd (ERM) in December 2003 as a geologist in the multidisciplinary Site Investigation and Remediation and Audit teams at ERM's Oxford office, where responsibilities also include GIS analysis and marketing.

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 PhD examined the geology of the Fort à la Corne kimberlite province, Canada. He had a spell employed as a regional structural geologist at Rock Deformation Research (in both gold and hydrocarbon exploration), before joining Exploration Consultants Ltd (ECL) in 1998. At ECL Kevin was involved in gold and diamond exploration, GIS analysis, country promotions, hydrocarbon exploration, and regional tectonic and terrane analysis. His broad areas of expertise include integrated regional studies, 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 Fermor Conference, International Kimberlite Conference and the African Mining Indaba.

Environmental Resources Management Ltd.

Eaton House

Wallbrook Court

North Hinksey Lane

Oxford OX2 0QS

Tel: +44 1865 384855

Fax: +44 1865 204982

Email: kevin.leahy@erm.com

Web: www.erm.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 with 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, Mr Brown went to Bendix Foundries as manufacturing manager of an aluminum and magnesium sand, investment and die casting foundry.

As a consultant, Mr Brown 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 (Australia), Antheus Project (Netherlands), Sentinient Group (Australia) VAMI (Russia), China Steel Corporation (Taiwan), POSCO (Korea), Dead Sea Magnesium, and Quay Magnesium (Australia).

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 went 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 Conferences in Beijing in November 2000 and November 2002 and toured magnesium plants in Ningxia, Shanxi, Shaanxi and Henan provinces.

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

Grain W P Malunga Malawi

Grain W. P. Malunga is currently Director of Mines in Malawi's Ministry of Natural Resources and Environmental Affairs. He is a member of several professional bodies including the Institute of Materials, Minerals and Mining in the UK, and the National Geographic Society in the US. He has been very active as a consultant in environmental management programmes and, in the minerals sector, he has produced project profiles and undertaken mineral project evaluation with the Centre for Development of Enterprises, Brussels.

E-mail: gwpm@sdpn.org.mw

François (Frank) W du Plessis (co author) Mali

Frank du Plessis, educated at Rhodes University in South Africa, is a senior writer for du Plessis Associates who have been advising Randgold Resources on their investor and media relations since the gold miner's inception in 1995.

Frank du Plessis
du Plessis Associates
PO Box 78386
Houghton
2041
south Africa

Tel: (27) 11 728 4701
Fax: (27) 11 728 2547
E-mail: frank@dpapr.com

Fousseyni Diakité (co author) Mali

After qualifying as a geological engineer, Mr Fousseyni worked for the DNGM for 15 years on the regional prospecting programmes, covering the Morila region and the Syama deposit. He joined Randgold Resources in 1995 as its first Malian employee. He is currently the Company's Malian exploration manager based in Bamako.

Fousseyni Diakité
Randgold Resources Mali
104 Rue, 214 Hippodrome
BP E-1160
Bamako

Tel: (223) 221 38 55
Fax: (223) 221 81 87
E-mail: fdiakite@randgoldmali.com

Victor Flores

Mexico

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

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

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, Ethiopia, France, Ghana, Greece, Ireland, Israel, Jordan, Kazakhstan, Liberia, Macedonia, Mozambique, New Zealand, Nigeria, Oman, Pakistan, Russia, Saudi Arabia, Sierra Leone, South Africa, Spain, Sudan, 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

International Nickel Study Group Nickel

The International Nickel Study Group (INSG) is an intergovernmental organization aimed at improving world market transparency and strengthening the international cooperation 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 13 members.

SCOPE OF ACTIVITIES:

- Collect, process and publish improved statistics on nickel markets;
- Compile and publish other information on nickel, such as data on industry facilities and environmental, health and safety issues;
- Provide a forum for consultations on issues of interest to nickel producing and consuming countries and their industries;
- 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 the world market transparency.

For further information, please contact insg@insg.org or visit www.insg.org .

Kevin PCJ D'Souza **Nigeria**
MEng ARSM CEng FIMMM MIQ MIEExpE

Kevin D'Souza is the Principal Mining Consultant and African Regional Manager for Wardell Armstrong LLP (a long established international mining, minerals and environmental consultancy based in the UK). He has a broadly based and varied international experience within the mining and minerals industry having begun his career as an operational mining engineer working in a variety of mines in Africa and Europe. He has a 1st class MEng degree in Mining Engineering from the prestigious Royal School of Mines (Imperial College, London), he is also a Fellow of the Institute of Materials, Metallurgy and Mining, a member of the Institute of Quarrying, the Association of Mining Analysts and the Institute of Explosives Engineers.

He has an extensive knowledge and over 10 years consultancy experience of metalliferous, precious stones and industrial mineral mining particularly in Africa. He has advised the UK Government (UK Trade & Investment) and the British Consultants & Contractors Bureau (BCCB) on mining/exploration activity and business development in Africa. Such work has recently including a detailed study of the mining sector of Guinea and he has represented BCCB on high-level scoping visits to Sierra Leone and Angola. He has also contributed to numerous international conferences on particular aspects of mining, exploration and mineral sector development in Africa. He is a well known and established consultant within the African Mining Network. Kevin is also the vice-chairman of the BCCB's Africa Committee and a member of the learned Royal Africa Society.

Kevin has an unparalleled amount of global (Africa, Latin America and Asia) and highly practical experience in assisting in, and knowledge of, the artisanal small-scale mining (ASM) sector

Kevin also has a strong background in project evaluation, mine sector restructuring and environmental impact assessments in the mining sector, having worked on minerals and mining projects throughout many of the world's mining regions especially in Africa. He has been involved in numerous mineral resource evaluations, feasibility and due diligence studies, as well as technical audits and financial evaluations of operating and proposed projects.

Kevin PCJ D'Souza
Principal Mining Engineer & African Regional Manager
Wardell Armstrong LLP
Tel: +44 (0)1782 612626
Fax: +44(0)1782 662882
E-mail: kdsouza@wardell-armstrong.com
www.wardell-armstrong.com

Artemio F Disini The Philippines

Artemio F Disini has retired as President and Chief Operating Officer of Lepanto Consolidated Mining Company. He has forty years of experience in the mining industry. He is a graduate of the University of the Philippines (UP) 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. He is now a Professor of the UP College of Engineering, teaching Mine Management to senior students. He is a Consultant for various mining firms and the Government in the Diwalwal Direct State Utilization Project.

In the early 1990s, Mr. Disini was instrumental in finding the 650 Mt Far South East porphyry gold-copper deposit situated near the existing copper mine in Benguet. Under his management, Lepanto discovered in 1995 the 4.3 Moz Victoria Gold deposit and placed it into operation in 18 months, which is a Philippine record.

He has been elected recently as Chairman of the Chamber of Mines of the Philippines. Mr. Disini strongly advocated sustainable and responsible mining. He supported the struggle to legally protect the constitutionality of the 1995 Philippine Mining Act and he is against the confiscatory provisions of laws like the Indigenous Peoples Rights Act. He was previously the President of the Chamber of Mines, Vice President of the Copper Sector 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 UP Alumni Engineers for his contribution to the mining industry.

55 Lopez Jaena St. Ayala Heights Village
Old Balara, Diliman
Quezon City
Philippines

Tel: +63- 2- 952-9231; +63- 2- 435-3293

Fax: +63- 2- 952-9231

E-mail: adisini@hotmail.com

Cellular Phone: +63918- 903- 5755

Anthony Lipmann Rhenium

Anthony Lipmann is the owner and managing director of Lipmann Walton & Co Ltd and also Chairman of The Minor Metals Trade Association (MMTA) based in London.

Lipmann Walton & Co Ltd was founded in 1953 by his late father and was originally involved in trading of beach sands and tin in the pacific region and Australia.

Today, Lipmann Walton & Co Ltd is a specialist in minor metals for addition in super alloys, master alloys and electronics products. It is also well known as a distributor of Rhenium Metal Pellets (Re 99.9% min super alloy grade) catalyst grades of Ammonium Perrhenate and as a recycler of Rhenium-bearing super alloy.

Lipmann Walton & Co Ltd

E-mail: anthony@lipmann.co.uk <<mailto:anthony@lipmann.co.uk>>

www.lipmann.co.uk/

Tel: + 44 1932 224344

Fax: + 44 1932 230520

G.R.Seshadri India

Mr.G.R.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.

Mr U B Kamara (co-authors) Sierra Leone

A Mining Engineer and a graduate of Royal School of Mines, Imperial College, London, Mr Kamara has spent over 30 years in the Minerals Industry in Sierra Leone, Ghana, Botswana and Zambia. He worked as Project Planning Engineer and later as General Manager in the National Diamond Mining Company (NDMC) in Sierra Leone. He is now the Deputy Director of Mines in the Ministry of Mineral Resources in Sierra Leone.

Mr M B Mansaray (co author) Sierra Leone

A Geologist and a graduate of Fourah Bay College, University of Sierra Leone. He has obtained over 30 years experience in the practice of geology combining both extensive field based mineral exploration and reconnaissance geological mapping. He is now the Acting Director of the Geological Survey Division of the Ministry of Mineral Resources in Sierra Leone.

Mr Mohamed B Mansaray
Acting Director of Geological Surveys
New England
Freetown

Tel: +232 22 240382
Fax: +232 22 241936
Mobile: + 232 76 613576
E-mail: Mohamed_b_mansaray@yahoo.com

**Walter G. Steblez Serbia, Croatia, Slovenia, Macedonia, Montenegro,
Bosina 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

Tony Sweeney Steel

Senior Associate Consultant
Anderson & Schwab, Inc.
Management Consultants
444 Madison Avenue
New York, New York 10022
Tel: 1 212-758-6800

Barrie Bain

Richard Dowse (co-author)

Sulphur

Barrie Bain is a director of FERTECON Limited, a leading consultancy and information company serving the fertiliser and related industries. He has followed the sulphur industry for over 25 years.

Richard Dowse prepares FERTECON's weekly market report on the sulphur industry.

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

William A. Serjak Tantalum, Niobium

Technical Promotion Officer,
Tantalum-Niobium International Study Center

Mr. Serjak holds degrees in Chemical Engineering from Youngstown State University and Management from Boston College. He has worked for the last thirty-five years for H. C. Starck Inc in Newton, Massachusetts, US. While at Starck he held positions in tantalum processing engineering, customer technical service for tantalum capacitor products, sales and marketing management for tantalum capacitor products. He was product manager of the new niobium powder products for niobium capacitors. Most recently he was Business Market Analyst for the worldwide Electronic Group and was responsible for market forecasting. Mr. Serjak is the Technical Promotion Officer for the TIC and can be reached through the TIC website or email.

The Tantalum-Niobium International Study Center (T.I.C.) is 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 more than 20 countries across the world, and they include most of the major companies involved with these metals.

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

Wisanu Tabtieng Thailand

Bureau of Mines and Concessions
Department of Primary Industries and Mines
Rama 6 Road, Ratchathewi
Bangkok
10400
Thailand

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

Dr. Ata Akcil (co-author) Turkey

Dr. Ata Akcil B.Sc MSc Ph.D is a mineral processing engineer. He attended DE University, Turkey. He has seven international awards; twenty research awards and fifty international articles to his name relating to mineral processing, and mining environmental. His research areas are: leaching and bioleaching of sulphide minerals, cyanide destruction, mining environmental management and biotechnological applications in mineral processing. He has been a director of BIOMIN Group since 2000 and, since 2001, editor-in-chief (with Prof. Dr. Kostas Komnitsas, Greece) of the *European Journal of Mineral Processing and Environmental Protection*. Dr Akcil has a knowledge of English (good level) and Greek (fair level), and is married with one child. He is a member of the Chamber of Turkish Mining Engineers and a member of the Turkish Mineral Processing Association.

Dr Ata Akcil
Suleyman Demirel University
Faculty of Engineering and Architecture
Department of Mining Engineering
Mineral Processing Division
TR32260 Isparta, Turkey
E-mail: ata@mmf.sdu.edu.tr

K Soner Koldas (Co-author) Turkey

K. Soner Koldas B.Sc., MSc is a mining engineer and was educated at DE University Turkey and The University of Witwatersrand South Africa. He spent 12 years in the South African Mining Industry mainly working in gold mines. His fields of expertise are rock engineering, mining and environment. He has produced various papers on rockburst and falls of ground investigations in deep level gold mines and the ground control management plan for the Ovacik gold mine. He speaks English, Dutch and Zulu, is married with two children. He is a member of The International Society for Rock Mechanics (ISRM) and The South African National Institute of Rock Engineering. He is a member of the Chamber of the Turkish Mining Engineers-TMMOB and a member of the Association of Turkish Blasting Engineers.

K Soner Koldas M.Sc
Sandvik Mining and Construction Srp Turkey
Cetin Emec Blv. 8 Cadde No.33-4,
Ovecler, Dikmen,
TR06460
Ankara, Turkey
E-mail: soner.koldas@sandvik.com

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 United States

President and Chief Executive Officer, the National Mining Association, Washington, D.C. Please address all questions and inquiries to Ms. Connie Holmes, Senior Economist and Director of International Policy, National Mining Association, 101 Constitution Ave., N.W., Suite 500 East, Washington, D.C. 20001

E-mail: cholmes@nma.org

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 has 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.

Contact: Martin Broome/ Thomas Rogers

Tel: +260-2-211108

Fax: +260-2-211104

E-mail: amc@zamnet.zm

Web: www.amc.co.zm

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

Guy Franceschi Belgium and 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 has 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 bvba
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

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

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

David Knopf Switzerland, Niger, Chad, Cameroon

A Consultant Geologist, David Knopf spent seven years as a field geologist in the Côte d'Ivoire, acquired 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 Sidde, in Niamey. For the Chad article, he was assisted by Ahmat M. Saleh, Deputy Director of 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

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 provides comprehensive information on mining in Canada, including research and development, upcoming events, and many related links to Canada's natural resource industries. (<http://www.nrcan.gc.ca/mms>)

Tel: +1 613 947 6580

Fax: +1 613 947 4198

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

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: gerdelco@hotmail.com

Luis Jaramillo Colombia (co-author) - see next page

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

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

Gerald M. Ellis Cuba, Dominican Republic, Panama, Paraguay, 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

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

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

Mebrahtu Ogbazghi Hadgu Eritrea

Mr Ogbazghi 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

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
Aleksanterinkatu 4
00179 Helsinki
Finland
Tel: +358 9 1603727
E-mail: krister.soderholm@ktm.fi

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

Werner Gwosdz, Hilmar Rempel, Herman Wagner and Thomas Thielemann (co authors) Germany

Federal Institute for Geosciences and Mineral Resources, Hannover.

Stilleweg 2

30655 Hannover

Germany

Tel: +49 511 6433470

Fax: +49 511 6432304

Professor C Tsoutrelis 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

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

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

Farshad Rashidinejad Iran

Ph.D. Candidate

Department of Mining Engineering

Islamic Azad University (IAU), Sciences and Research Campus

Post Box: 14515/775, Tehran, Iran

Tel: +98 (0) 21 481 7170-4

Fax: +98 (0) 21 481 7175

E-mail: frashidinejad@hotmail.com

Senior Process Expert

National Iranian Copper Industries Company (NICICo),

Sungun Copper Project (S.C.P.);

No. 8, Zarrin Alley, Vali-e-Asr St,

Tehran, IRAN

Postal Code: 1511633615

Tel: +98 (0) 21 855 0585

Fax: +98 (0) 21 855 0394

Cell: +98 (0) 912 213 1942

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 BA 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

Dr Ing Egidio Boda Italy

Ministry of Productive Activities
Directorate-General for Energy and Mineral Resources
Via Molise, 2 00187 Rome, Italy

Tel/Fax: +39 06 47052202
E-mail: egidio.boda@minindustria.it
www.minindustria.it

Jun Kamura Japan

London Office
Japan Oil, Gas and Metals National Corp London
Chancery House
Chancery Lane
London, WC2A 1QU
UK
Tel: +44 (0)20 7242 2618
Fax: +44 (0)20 7831 5437

Kim Sang-Gil **Korea (Republic of)**

KORES
Mineral Resources Information Center
686 48 Shindaebang-dong
Dongjak-gu
Seoul 156 706
Korea

Tel: 82 2 840 5865
Email: sqkim@kores.or.kr

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 Deputy Director, Minerals Commission 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 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

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@mcom.com.my

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: PO Box 222, Ulaanbaatar 210613

Tel: +976-11-313287 (Main Office)

Fax: +976-11-328461 (Mining Office)

E-mail: mineinfo@mongolnet.mn

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

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

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

Nusrat K.Siddiqui Pakistan

Senior Manager Exploration
Pakistan Petroleum Limited
3rd Floor, P.I.D.C. House
Karachi-75530, Pakistan

Tel: 021-5682252 (Direct)
021-5651480-86 Extn. 342
Fax: 021-5680005 & 5682125
E-mail: n_kamal@ppl.com.pk

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

C G Soldi Peru

SVS Ingenieros S.A.
Grimaldo del Solar 865
Lima 18
Peru
E-mail: csoldi@svs-vsv.com.pe

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
www.min-pan.krakow.pl

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.

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.

Bauerova 42
040 23
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 Engineering 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.es

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

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 Dr Kafumu 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.

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

Carlos Coirolo Uruguay

18 de Julio 948 apt 801
Montevideo
11.100
Uruguay

E-mail: coirolo@adinet.com.uy

Howard Barrymore Masters Antimony, Mercury

Howard Masters was born in 1949 in London and commenced in the metals trade in 1968 with Mining and Chemicals Products. He joined Lambert Metals in 1971, shortly after its inception and during 1983-84 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 1981-95.

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

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

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

Ian Robinson Ferroalloys, Manganese, Chromium

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

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

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

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 gemmologist's, 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

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

Ted Dickson Gypsum, Sillimanite, Salt, Vermiculite

Ted Dickson has over 21 years of 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/

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

Magnus Ericsson Iron Ore

Mr Ericsson is 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

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

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

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

Michael Mew Phosphate Rock

Devon, UK

E-mail: MichaelMew@Compuserve.Com

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

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

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

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

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

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

Paul Crankshaw Angola, Benin, Madagascar

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

E-mail: p.crankshaw@cobwebinfo.co.za

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