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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.

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Christopher Cavey

Gemstones

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

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

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

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

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

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

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

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

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

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

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

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

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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.basicsmines.com/graphite.

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

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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.

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

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

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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.

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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.

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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.

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

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

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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.

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

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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.

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

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

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

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

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

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

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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.

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International Nickel Study Group Nickel

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

Scope of Activities:

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

World Nickel Statistics and Nickel Market Forecast:

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

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

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

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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).

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

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

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

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Artemio F. Disini
Philippines

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

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

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

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

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

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Anthony Williamson
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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.

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

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

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Anthony Lipmann
Rhenium

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

Recently Leslie Wright has been

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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

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

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

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

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

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

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

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

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

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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.

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