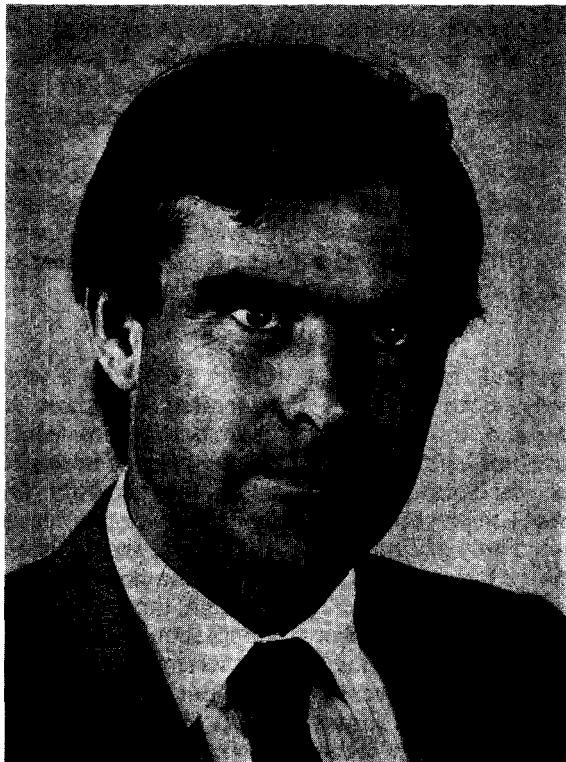


# Introducing new Council members . . .



**Mr R.D. Beck** attended Felsted School in Essex (England) and the Royal School of Mines, University of London, where he obtained the degree of B.Sc.(Eng.), A.R.S.M. in mineral technology in 1969. His other qualifications include Pr.Eng. (1976), C.Eng (1975), and M.I.M.M. (1975).

He joined Gold Fields of South Africa in December 1969, and worked at Doornfontein Gold Mine, Greenside Colliery, West Driefontein Gold Mine, Zwartkloof Fluorspar, Gold Fields Laboratories, Gold Fields Head Office, Libanon Gold Mine, and Kloof Gold Mine before being appointed Plant Superintendent at East Driefontein Gold Mine in January 1973. In June 1976, he was transferred to Head Office as Group Metallurgist, followed, in November 1978, by his secondment to Black Mountain Mineral Development Company as Plant Superintendent, to take on-site responsibilities for staff training, plant commissioning, and start up.

On his return to Head Office in July 1980 as Assistant Consulting Metallurgist, he was responsible for Black Mountain and new metallurgical projects. Then, in January 1984, he was appointed General Manager of the Zinc Corporation of South Africa Limited.

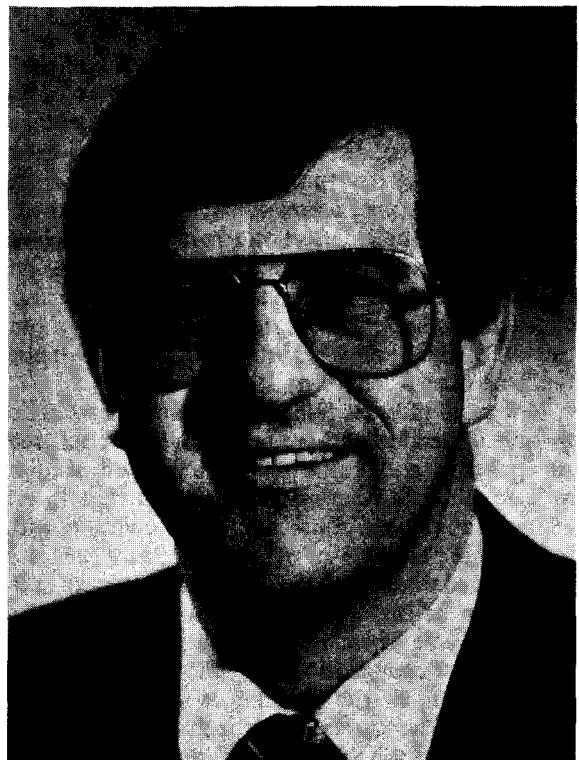
He became a member of The South African Institute of Mining and Metallurgy in 1973.

**Mr R.J. Dippenaar** is op 13 Februarie 1943 in Johannesburg gebore. Hy ondergaan sy skoolopleiding aanvanklik in Krugersdorp en later in Vereeniging, waar hy in 1960 aan die Hoëskool Vereeniging matrikuleer. In 1963 behaal hy die B.Sc. graad en in 1964 die graad B.Sc.(Hons.)(Met.) aan die Universiteit van Pretoria.

Hy word in 1965 aangestel as navorsingsbeampte by Yskor en later in dieselfde jaar as lektor aan die Universiteit van Pretoria. Hy werk ondertussen aan sy M.Sc. graad wat hy in 1966 behaal met 'n verhandeling getiteld 'Presipitasieverharding in ternêre ysterlegerings'.

Gedurende 1968 skryf hy in aan die Universiteit van Cambridge, Engeland en behaal in 1970 die Ph.D-graad met 'n proefskrif getiteld 'Decomposition of austenite in alloy steels' onder leiding van Prof. R.W.K. Honeycombe. In dieselfde jaar tree hy in diens van die toenmalige Raad op Atoomkrag en hy word na die Oak Ridge National Laboratory in Tennessee, V.S.A., gestuur vir in-diensopleiding in kerningenieurswese. Hy keer in 1972 terug na die Republiek en bly in diens van die Raad op Atoomkrag tot Maart 1980. Op 1 April 1980 word hy aangestel in die Yskor-leerstoel vir Yster-en-Staal-smeltwese in die departement Materiaalkunde en Metallurgiese Ingenieurswese aan die Universiteit van Pretoria.

Sy navorsingbelangstellings sentreer in hoofsaak om die kwantitatiewe prosesanalise en beheer van pirometallurgiese prosesse en 'n aantal van sy navorsingsprojekte word in samewerking met die nywerheid uitgevoer. Hy is ook 'n direkteur van 'n maatskappy wat raadgewende ingenierswerk doen. Op sosiale vlak is hy geïnteresseerd in fotografie, muurbal en sy gesin.



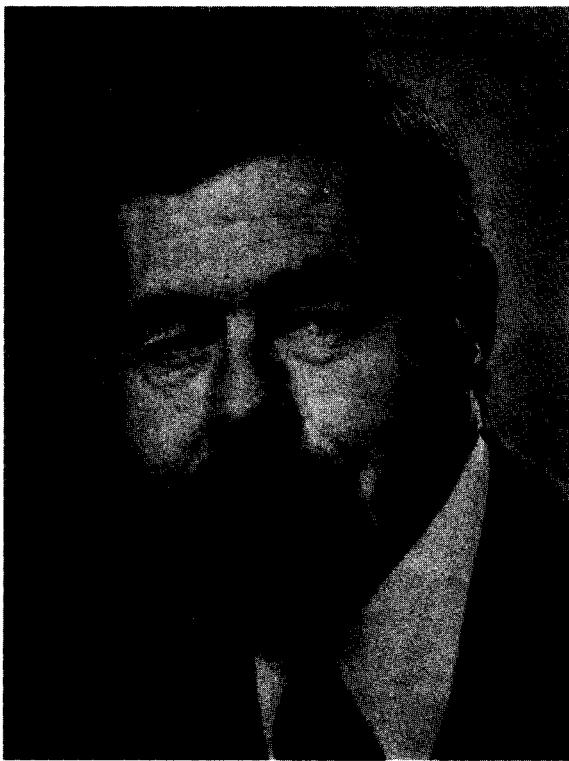
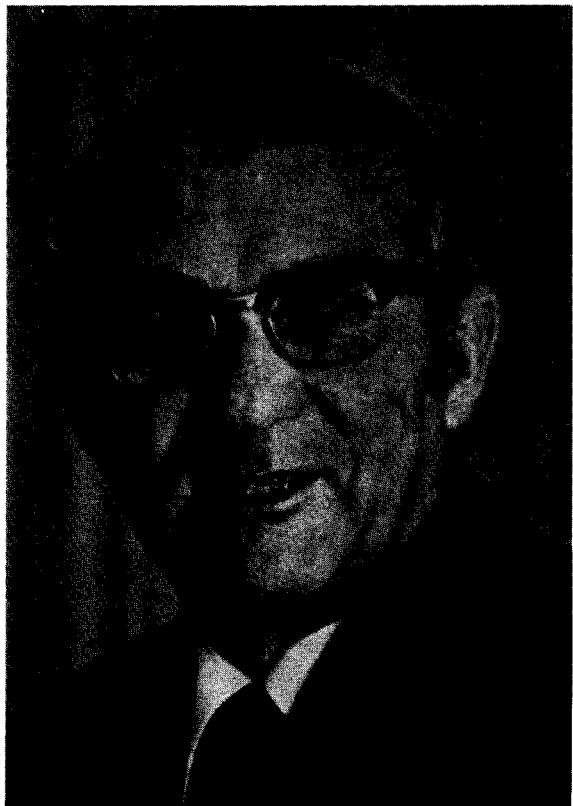
**Mr R.B. MacGillivray** matriculated at Rondebosch Boys' High School in Cape Town in 1939, and in 1943 he obtained a B.Sc. degree in mining engineering from the University of the Witwatersrand. In addition to the degree, he holds all the necessary Government Certificates of Competency to manage both metalliferous and coal mines.

After two-and-a-half years of war service, he started work with the Anglo American Corporation of South Africa Limited, on South African Coal Estates Limited. In 1949 he moved to Natal as Underground Manager of Burnside Colliery Limited in order to gain experience and, after two years, was appointed Manager of Tweefontein United Collieries Limited.

In 1954 he joined Rand Mines Limited so that he could gain experience in hard-rock mining. After working on several of the gold mines of Rand Mines Limited, both in the Transvaal and the Orange Free State, he rose to the position of Assistant Manager on Durban Roodepoort Deep Limited, a gold mine on the West Rand (1961).

In 1969, after four years at Head Office, he became Technical Manager of the Coal Division of Rand Mines Limited, and in 1971 was appointed Chairman of Douglas Colliery Limited and Managing Director of Witbank Colliery Limited. In addition, he served on the board of Rand Mines Limited and several other gold- and coal-mining companies, also functioning as Consulting Engineer to the Coal Division.

In 1981 he became Deputy Chairman and Head of the Coal Division of Rand Mines Limited. From 1965 until his retirement in 1984, he was involved in the marketing of coal to a greater or lesser extent, and in this connection visited Germany, Japan, Taiwan, and Hong Kong. He is now the South African representative for Krupp Handel GmbH—International Coal Sales, which is situated in Hamburg, West Germany.



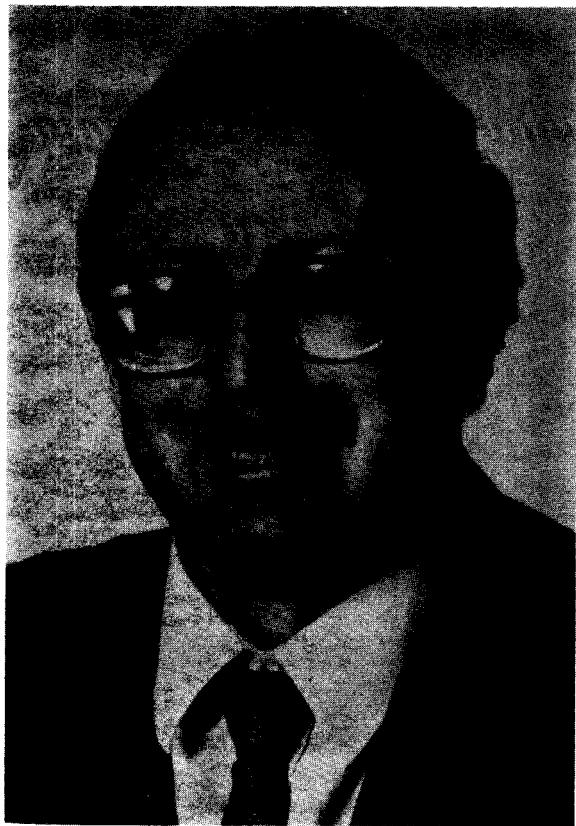
**Dr J. Lurie** trained as a draughtsman just after the Second World War, and then served as a surveyor in East and South Africa for some years, having successfully completed the survey course of the Trigonometrical Survey Office.

He graduated with a B.Sc. degree from Rhodes University in 1961, majoring in chemistry and geology and receiving the E. Schwarz prize for geology. He subsequently obtained a B.Sc. (Hons.) degree in mineralogy and petrology, and was awarded a Ph.D. degree in 1974 for his thesis entitled 'The Pilanesberg: geology, rare element geochemistry and economic potential', for which he received the E.D. Mountain award. He also holds a National Teacher's Diploma and a British Diploma in Gemmology.

He has lectured for many years, mainly in the fields of mining geology and mine surveying, and was appointed Director of the School of Mining and Metallurgy in 1980. Dr Lurie presented a paper at an international symposium on source material prospecting, and has published several articles and a textbook on *South African Geology for Mining, Metallurgical and Civil Engineering*, which has gone into the 4th edition.

As well as being a member of The South African Institute of Mining and Metallurgy, he is a professional member of the Institute of Topographical and Engineering Surveyors, a Fellow of the Geological Society of South Africa, and a Fellow of the Gemmological Society of Great Britain.

# Introducing new Council members...



**Mr J.P. Hoffman** matriculated at Voortrekker Hoërskool (Boksburg) in 1950, and then spent two years, first as a laboratory assistant with Amcor and secondly as a junior metallurgist in the Vecor Foundries, obtaining a 'feel' for industry and metallurgy in particular.

In 1953 he was appointed as technical cadet with Iscor, and the next four years he spent working in the Iscor metallurgical section, where he gained an intimate knowledge of the blast-furnace, steel-plant, and coke-oven sections. At the same time, through extramural studies, he obtained a B.Sc. degree in iron and steel technology at Pretoria University (1956). Simultaneously, he passed all the subjects required for the national diploma in metallurgical technology at the Pretoria Technical College. He was subsequently appointed as Production Assistant: Coke Ovens and By-products, and later as Senior Production Assistant, a post he held until 1961, when he left Iscor to become a lecturer in metallurgy and metallurgical engineering at Pretoria University's newly founded department of the same name. He later became the first senior lecturer of that department. Through part-time study he obtained the degrees of B.Sc.(Hons.) (1961), M.Sc. in metallurgy (1968), and M.B.A. (1972), all at Pretoria University.

He left the academic world in 1973 to become Smelter Metallurgist with O'okiep Copper Company in Namaqualand. In October 1974, he joined Middelburg Steel & Alloys as Head of Metallurgy. He is now Manager: Materials Science and is responsible for quality control, research, and development.

In addition to being a Fellow of the South African Institute of Mining and Metallurgy, he is a member of the Ferro Alloy Producers' Association (having served as chairman of its technical sub-committee for 5 years), the American Society of Testing and Materials, and the American Society of Metals.

**Mr R.A. Snodgrass** attended Potchefstroom Boys' High School and, after completing military service, graduated from the Potchefstroom University with a B.Sc. degree in chemistry and a B.Sc. (Ind. Chem.) degree. He joined Gold Fields of South Africa in 1968 and obtained an M.Sc. (Ind. Chem.) degree in 1969 while working for West Driefontein Gold Mine.

In 1970 he was transferred to the South West African Company, where he worked on various metallurgical operations for a number of years. After a spell on the gold mines, becoming Plant Superintendent of Vlakfontein Gold Mine, he joined Gold Fields Laboratories, where he served as Assistant Manager from 1974 to 1978. In 1978 he was appointed Assistant Consulting Metallurgist for Gold Fields of South Africa, with the responsibility for the Group Research Laboratory. He then moved to Head Office (1983), where his brief included the metallurgical operations of Black Mountain Mineral Development Company, O'okiep Copper Company, and new metallurgical projects. This is the position he occupies at present.

He became a member of The South African Institute of Mining and Metallurgy in 1981.

