

# SURELİ YAYINLAR

## **CİM Buletin**

**JULY-AUGUST 1992**

71. A temporary use of the land at Highland Valley Copper  
P. Hansen

73. Mining at Highland Valley Copper  
A.D. MacPhail

78. Blast optimization and stability enhancement through geotechnical mapping at Highland Valley Copper  
S. Daly and D.Assmus

85. Optimal tailings management at Highland Valley Copper  
M.D. Scott and R.C. Lo

89. 3-D Modelling of underground mine structures with backfill  
L. Zhang and H.D.Mitri

96. Laser measurement of open stope dilution  
F. Miller, Y. Potvin and D. Jacob

103. A new perspective on cable bolt design  
P.K. Kriser, S. Moloney and S. Yazıcı

110. Evaluation of design bond strength for fully grouted cables  
R.D. Reichart, W.F Bawden and A.J. Hyett

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**SEPTEMBER 1992**

27. Water quality management  
K. Meyer

31. The role of oxygen in cyanide leaching of gold  
K.E. Hauge

39. The Australian coal mining future developments  
T.C. McGiddy

46. Dry drilling in underground production  
E.M. DeSouza

51. Shot off the Solid; Technological advances in nineteenth century Vancouver Island coal mining fail to prevent a coal dust explosion  
L. Bowen

## **Industrial Minerals**

**JANUARY 1993**

19. Garnet: Set for blast off

35. European market developments for absorbent clays

48. Chromite markets crumble

**FEBRUARY 1993**

27. Graphite: Prices flaking away

47. Froth flotation: New technologies bubbling under

**MARCH 1993**

19. Minerals in animal feed: In a stable market

35. European container glass industry: Recovery reflecting a greener image

49. Indian meeting abstracts

57. Spanish diatomite: Geology and economics

## **Institution of Mining and Metallurgy**

**SEPTEMBER- DECEMBER 1992**

B125. Andesitic arcs, epithermal gold and porphyry-type mineralization in the western Pacific and eastern Europe  
A.H.G. Mitchell

B139. Exploration methods for nuclear waste repositories or mineral deposits - from source to sink, Where's the front?  
D.B. Mohammad et al.

B147. Spessartine-quartz rock (coticule) occurrences in New Brunswick, Canada, and their use in exploration for massive sulphide, tin-tungsten and gold deposits  
W.W. Gardiner and D.V. Venugopal

B158. Rare-earth element study of Bin Yauri gold deposit, Nigeria  
I. Garba

B161. Small-scale geochemical maps: a novel way to delineate areas favourable for ore deposition  
T. Koljonen and E. Malisa

B165. 'Geology in Europe and Beyond' Mineral deposit modelling in relation to crustal reservoirs of the ore-forming elements

B186. International geochemical mapping-IGCP Project 259

**JANUARY-APRIL 1993**

A1. The Carol Lake mine of the Iron Ore Company of Canada  
S.E. El - Alfy and T. Atkinson

A15. Harmonic pollution problems in surface mine electrical power systems  
S.E. El - Alfy and T. Atkinson

A19. Computers and Blasting  
T.J. White and R.A. Famfield

A25. Air-decked blasting techniques: some collaborative experiments  
N.T. Moxon, D. Mead and S.B. Richardson

A31. Estimation of mechanical rock properties using wireline geophysical measurements  
L. Wade, R. Wang and M.A. Horton

A37. Study of bucket trajectory in automatic scooping with load-haul dump loaders  
A. Hemami

A43. Probabilistic key-block analysis for support design and effects of mining-induced stress on key-block stability-a case study  
D.B. Tyler and R. Trueman

A51. Reliability and availability analysis of mining systems  
Selamet G. Erçelebi and Tuncel M. Yegüalp

A59. The state of gold mining in Ghana  
D. Mireku-Gyimah and R.S. Suglo

Discussion

A68. Mining design software-a critical review  
G.A. Ferguson and G.B. Hooper

A68. Components of a recovery factor in gold and tin dredging  
R.H.T. Garnett

**JANUARY-APRIL 1993**

B1. Distribution of flint and chert in Quaternary and Recent gravel aggregates in the United Kingdom  
Peter W. Scott

B5. Analysis of transient IP decay curves—case study from Pisinari, Lalitpur district, Uttar Pradesh, India

B.Narasimha Rao, Alii Peera and P. Rama Krishna

B9. Design and evaluation of triaxial VLF borehole prospecting systems

R.D. Smith and E. Kantaris

B19. Enzyme-induced leaching of B-horizon soils for mineral exploration in areas of glacial overburden

J.R. Clark

B30. High-level peperitic sills at Rio Tinto, Spain: implications for stratigraphy and mineralization

C.A. Boulter

B39. Fluid inclusion and stable isotope study of fault-related mineralization in Tyndrum area, Scotland

S.F. Curtis et al.

B49. Regional geochemical relation between bedrock and till in Lake Paijanne area, southern Finland

Henry Vallius

B50. Stable isotopic study of magnesite deposits in Akamas area, northwest Cyprus

J.R. Brydie et al.

C1. Enhancement of mass transfer using microporous sparger materials

F.Tailoka and D. J.Fray

C7. Electrowinning of copper from chloride solutions in presence of gas sparging

F.Tailoka and D. J.Fay

C12. Pyrometallurgical reduction of Miller chlorides with iron

C.A.Pickles

C19. Mineralogical characterization of calcine, neutral-leach residue and weak acid-leach residue from Vieille-Montagne zinc plant, Balen, Belgium

T.T.Chen, J.E.Dutrillac and C.Canoo

C32. Simulation of grinding circuit at Gümüşköy silver plant. Turkey

S.Ersaym et al.

C39. Application of digital signal processing and multivariate data analysis to vibration signals from ball-mill grinding

Yigen Zeng and Eric Forsberg

C44. Aluminium-lithium aerospace alloys: a new challenge for recycling

W.R.Wilson and D.J.Allan

C57. Decoppering of liquid lead bullion by elemental sulphur additions—PART 1: sulphidation of lead by elemental sulphur

C63. Decoppering of liquid lead bullion by elemental sulphur additions—Part 2: mechanism and model for decoppering

B.S.Terry, C.L.Harris and D.G.C. Robertson

C70. *Technical note*

Application of column cells to potash flotation in brines

W. Aliaga and H.Soto

C74. *Discussion*

Carbothermic reduction of antimony sulphide

U.O.Igiehon, B.S.Terry and P.Grieveson

## International Journal of Mineral Processing

**JANUARY 1993**

1. On Sliding time in flotation

A.Nguyen Van

27. On the modelling of the flotation process

R.Varbanov

**45. A study on the effect of parameters in stirred ball mill**

M.W. Gao and E.Forsberg

**61. Enhanced separation of pyrite from oxidized coal by froth flotation using bi-surface modification**

Y.A.Attia, M.Elzaky and M. Ismail

**73. Thermal analysis studies on the decomposition of magnesite**

D.Sheüa

**89. Use of the OEMSEM analysis in flotation testwork on a phosphate ore containing monazite**

W.G.Gong

**109. The process of separation of fine mineral particles by flotation with hydrophobic polymeric carrier**

J.Rubio and H.Hoberg

**123. On the XPS and IR identification of the products of xanthate sorption at the surface of galena**

K.Laajalehto, P.Nowak and E.Suontnen.

**149. Beneficiation of phosphate ores using high gradient magnetic separation**

A.M.H.Shaikh and S.G.Dixit

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**MARCH 1993**

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**165. A new energy dissipation theory of jig bed stratification. Part 1 : energy dissipation analysis in a pilot scale baum-**

P.X.Rong and G.J.Lyman

**189. A new energy dissipation theory of jig bed:**

**Stratification. Part 2: a key energy parameter determining bed stratification**

R.X.Rong and G.J.Lyman

**209. Experimental verification of the PARGEN Simulator for liberation analysis**

J.Bole, C.L.Lin and J.D.Miller

**223. An investigation of the electrochemical nature of the ferric chloride leaching of sphalerite**

M.Jin, G.W. Warren and H.Henein.

**239. Measurement of the radial and tangential forces exerted by the load on a liner in a ball mill, as a function of load volume and mill speed.**

M.H. Moys and J. Skorupa

**257. Kinetics of sulfidization of malachite in hydrosulfide and tetrasulfide solutions**

R.Zhou and S.Chander

**273. Float ability of chalcopyrite in the presence of dialkyl-thionocarbamate and sodium sulfite**

R.Houot and D.Duhamant

**283. Influence of quebracho and sodium silicate on flotation of celestite and calcite with sodium oleate**

F.Hernainz and M.Calero

**293. Book review: Slurry Handling Design of Solid-Liquid Systems**

N.P.Brown, N.I.Heywood and j de Cuyper

**International Journal of  
Rock mechanics and  
Mining Sciences and  
Geomechanics  
Abstracts**

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**FEBRUARY 1993**

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**1. Laboratory study of effects of in situ stress state and strength on fluid-induced seismicity**

K.Masuda, O.Nicizawa K.Kusunose and T.Satoh

**11. Microcrack formation and material softening in rock measured by monitoring acoustic emissions**

S. J.D.Cox and P.G.Meredith

25. Temperature measurements upon the chisel surface during rock cutting  
P.M.C.B.M.Cools.

37. Prediction of water flow into rock tunnel: an analytical solution assuring an hydraulic conductivity gradient  
L.Zhang and J.A.Franklin

47. Significance of AE crack monitoring in fracture toughness evaluation and non-linear rock fracture mechanics  
T.Hashida and H.Takahashi

61. Fracture toughness testing of core based specimens by acoustic emission  
T.Hashida

## **Internotional Journal of Surface Mining and Reclamation**

**APRIL 1992**

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151. Modelling, analysis and preliminary studies for automatic scooping/loading in a mechanical loader  
Ahmad Hemami

161. An investigation on the influence of depth of cut and blasting on shovel digging performance  
C.Karpuz, A.Ceylanoglu and A.G.Paşamehmetoğlu

169. Analysis of methods to improve the stability of spoil piles in a lignite mine  
A.Özgenoğlu

173. Aggregates market of the north American Atlantic coast-Trends  
R.Poulin, G.O.Vagt and J.Hgdjigeorgiou

179. Development of a 3D gologic model and database for dragline mine planning on a microcomputer  
Louise H.Michaud

187. Coal mine subsidence: Effects of mitigation on crop yields  
R.G.Darmody, R.T.Hetzler and F.W.Simmons

191. New method to test the rock breaking properties of explosives in full scale  
A.Rustan and S.L.Nie

## **MINING ENGINEERING**

**JANUARY 1993**

41. Round Mountain halves its cutoff grade  
K.Spickelmier

49. Refractory industrial mineral from the People's Republic of China: Development and future  
W.G.Holroyd and W.Mc Cracken

54. Long-term evaluation of underground stress control at the Sifto salt mine  
D.E.Dickie and S.Serata

58. Acid mine water processing and metal recovery by fast solid-phase extraction  
R.F.Hammen, D.C.Pang, L.S.Vander Sluys, R.C.Judd and E.Loftsgaarden

### **TECHONOLGY NEWS:**

62. Surface modeling system used for variety of mining needs

63. Dredge improves runoff control at West Virginia coal mine

83. 1992 GAUDIN LECTURE:Coal properties dictate coal flotation strategies  
F.F.Aplan

97. DISCUSSION: Integrity of samples acquired by deep, reverse-circulating drilling below the water table at the Chimney Creek project, Nevada

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A.Wright, W.C. Feyerabend and  
R.L.Kastelic

## **FEBRUARY 1993**

**145. Exploration in lesser explored countries: A geologist's perspective**  
K.P.Kinart and L.A.Vega

**148. Unconventional Platinum Group Metal deposits**  
F.H.Blair

**151. Risk Assessment /management in the Environmental Planning of Mines**  
S.Krai

**155. Northwest Mining Association meeting highlights industry opportunities and problems**  
K.Spickelmier

**157. Strength of laboratory-sized coal specimens vs. underground coal pillars**  
S.S.Peng

**159. Mine product marketing in the '90 s**  
R.J.Vance

**161. TECHNOLOGY NEWS: Coal crusher helps maintain productivity, reduces downtime**

**173. Geologic resources vs. ore reserves**  
A.C.Noble

**177. Survey of computer use by US coal companies;**  
N.P.Reddy, J.M.Dean, R.L.Grayson and Y.J.Wang.

**184. New process for direct phosphate flotation from US siliceous ores**  
J.Hanna and I.J.Anazia



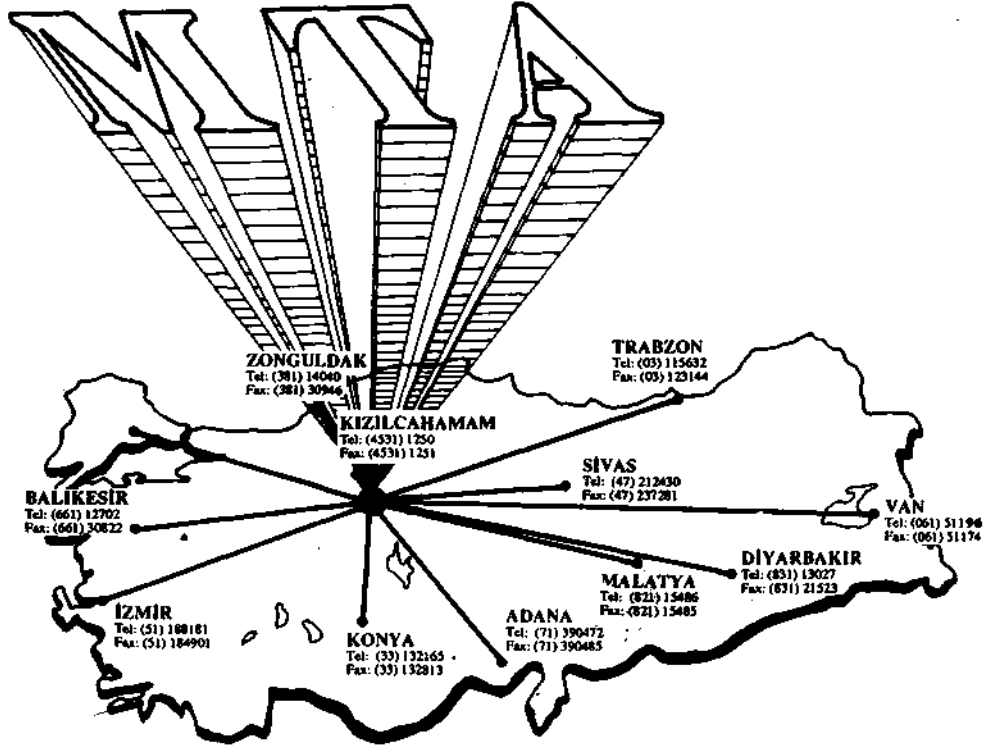
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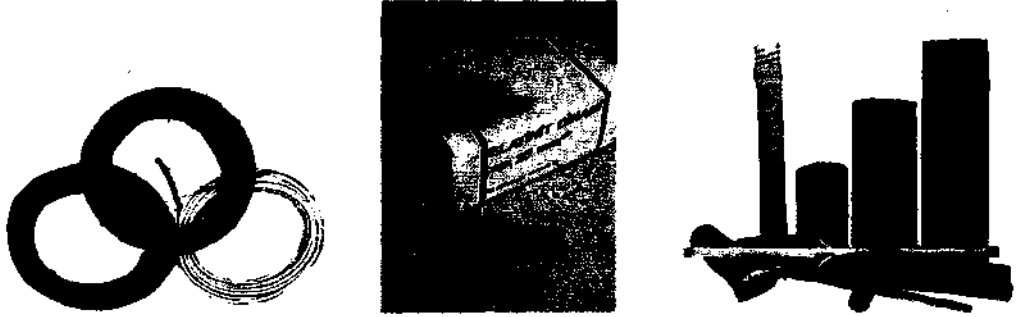


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