Foreword
David Horsfall Memorial Lecture
A J Lynch, J Davis

Session A—The International Scene
A1 Best practices in international coal preparation: a benchmarking study
M J Laurila
A2 The development of rational coal preparation flowsheets for power coals to increase utilization efficiency
A Y Molchanov, IH Deberdeev, B I Linev, J B Rubinstein
A3 An innovative approach to a 'boutique' mine and coal preparation plant at Stratford Coal
P Newling, W Weale, P Crisafulli, A Swanson

Session B—The International Scene 2
B1 Performance evaluation: short- and long-term role in optimization of Canadian coal preparation plants
M W Mikhail, A I A Salama
B2 Coal preparation in China
Z Shan, M Lu, W Li, J Guo
B3 Quality management and beneficiation at Ruhrkohle Bergbau AG
R Reineking
B4 Beneficiation of thermal coal in India—issues and options
R K Sachdev
**Session C—Dense Medium Separation**

C1  Comparison and efficiency of 1,000 mm and twin 710 mm dense medium cyclones at Goonyella and Riverside  
*K R Leach, M Carretta, J Graham, A D Meyers*

C2  Dense medium separation: does size really count?  
*J Bosman*

C3  Development of large capacity dense medium cyclone circuits: an Australian designer's experience  
*M Goffinet, R Marshall, D Hiddlestone*

C4  Dense medium baths: more flexible than you think  
*S van Barneveld, P Mills, P Crowley*

C5  Developments in LARCODEMS medium processing technology  
*J McCulloch, D Baillie*

**Session D—Operations Management**

D1  Preparation plant operators: the forgotten resource  
*P Barbaro*

D2  The people in the process: safe production  
*A Brain, I Brake*

D3  Effective maintenance management: an integrated approach  
*M du P Koen*

D4  Noise reduction in coal handling and preparation plants  
*M Bridges, C Titter, D Hoffmann*

**Session E—Preparation Plant Development**

E1  Assessing coal fines and their impact on plant performance  
*J S Esterle, G O 'Brien, G Sexty, D Thornton, T Kojovic, N Djordjevic, Y Kolataschek, B Firth, C J Clarkson*

E2  Sample pretreatment for improved washability prediction  
*A Swanson, I Fletcher, W Membrey, R Davis*

E3  Video auditing techniques for breaker reject  
*B M Jenkins, G O 'Brien, P I Corke, J M Waugh*

E4  Development of slim core correction factors for improved prediction of mine yield  
*A Swanson, W G Weale, W L A Mackinnon*
Session F—Small/Fine Coal Beneficiation 1

F1 Optimization studies on a 75t/h Teetered Bed Separator at Stratford Coal
  R B Drummond, A Swanson, S K Nicol, P G Newling

F2 Dynamics of a teetered bed separator
  K P Galvin, S Pratten, S K Nicol

F3 Some aspects of hydraulic size classification
  B Firth, S Hu, M O'Brien, C J Clarkson, D Edward

F4 Multiple stage fine coal spiral concentrator
  T R Prinsloo, R L Abela

Session G—Gravity Concentration 1

G1 Improvement of Baum jig into a Vari-wave type in Ikeshima Colliery
  Y Iijima, Y Shimoda, Y Kubo, Y Jinnouchi, S Sakata, M Konishi

G2 Advances in modelling of stratification in jigs
  A Jonkers, G J Lyman, G K Loveday

G3 Efficient beneficiation of coking and steaming coal
  D Ziaja, B Bruce, A North

G4 Dynamic optimization of jig control
  S Yang, D Fu, G An, M Qi

Session H—Gravity Concentration 2

H1 Larcodems: more than a proven de-stoning vessel on South African coals?
  S T Harrison, J R Woodman, D M Peatfield

H2 Dense medium cyclone performance analysis and trials at Peak Downs mine
  D Mathewson, C Dark, A Vince

H3 Development of fly ash derived magnetite for coal cleaning
  G A Baird, D T Hornsby, H Lief

H4 Russian coal preparation plant of the year 2000
  G Sażykin, B Sineoky, D Lybansky, N Bakanova

H5 A modern coal preparation plant in China: Fushun Laohutai washery
  Z Shan, Z Wang, Z Zhang, Yu E

Session I—Small/Fine Coal Beneficiation 2

I1 Use of spiral separators in coal preparation
  V V Kochetov, A P Levandovich, Z Berchberg, P L Pilov, A S Kirmansky

I2 Enhanced gravity concentration: an effective tool for fine coal cleaning
  R Q Honaker, M K Mohanty, B Govindarajan
I3  Flotation of coal fines using high-shear water jets
   M Agus, R Carbini, R Ciccu, M Ghiani, F Sana, C Tilocca

I4  Determination and evaluation of the results of fine slimes flotation under
    modern pulp flowsheet conditions
   L Antipenko, L Kravchenko, L Oparin, A Syvorotkin

I5  Preparation technologies for small coal for solving ecological and resource
    conservation problems of Russia
   V N Shokin, A Sherbatov, G I Popov

Session J—Flotation 1

J1  Coal flotation and drying in the Witbank coalfield
   P E Hand

J2  A new method to characterize flotation performance of fine coal
   M Tsunekawa, Y Kon, T Hirajima, M Ito, N Hiroyoshi

J3  Industrial applications of advanced fine coal cleaning and dewatering
    technologies
   R-H Yoon, D I Phillips, G H Luttrell

J4  Installation of an Eimco pyramid column system at RJB Mining, Gascoigne
    Wood mine, UK
   S Pringle, G Budge, D B Woodruff, S A Heley

J5  Pneumatic flotation: an alternative to conventional mechanical flotation
    machines?
   B Bogenschneider, R Janitschek, R G Jung, J Schwerdtteger, R Lotzien, H
   C Haarmann