Subjects: Surface Mining, Planning, Design
Open Pit, Planning, Design

Selected References:

Data:
1. Issue emphasizes open pit mining including articles on:
   a. State of Art (designing the total mine operation)
      Contains tables on:
      (1) Mining planning methods
      (2) Mining methods and equipment
      (3) Major equipment details
      (4) Supporting equipment at mines
      (5) Cost of mining and mine equipment maintenance
   b. Front end loaders - compares operating and capital costs of five-yard power shovel and ten-yard tractor shovel.
   c. Modern open pit blasting practice
   d. The cost of open pit mining today - compares wheel loaders versus shovels; scrapers versus shovels, trucks and conveyors
2. Entire issue devoted to surface mining. Excerpted from AIME publication Surface Mining. Articles include:
   a. Surface Mining Continues to Grow
   b. Exploration - First Step to Mine

FOR ADDITIONAL COPIES WRITE TO DIRECTOR, PORTLAND SERVICE CENTER, BOX 3861, PORTLAND, ORE., 97208
c. Feasibility Data Defines Risks

d. Planning and Design
   (1) Pit Planning and Layout
   (2) Stripping Methods
   (3) Production Systems Engineering

e. Engineering Surface Coal Mines

f. Drilling Selection Requires Value Judgments

g. Blasting

h. Excavation and Loading
   (1) Stripping and Quarry-Mine Shovels
   (2) Draglines
   (3) Front-End Loaders
   (4) Continuous Methods
   (5) Dredging

i. Haulage Methods
   (1) Railroad
   (2) Truck Haulage
   (3) Conveyor Belts
   (4) Hydraulic Transport

j. Miscellaneous Subjects