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(July 1970)



TECHNICAL NOTE

TN 77

U.S. DEPARTMENT OF THE INTERIOR - BUREAU OF LAND MANAGEMENT

Subject: Industrial Minerals of 1969 - Their Status, Challenge and Future

Data:

See the attached table of contents from the January 1970 issue of Mining Engineering.

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ARTICLES

46 Industrial Minerals of 1969—Their Status, Challenge, and Future

Research and development programs are considered to be the spur needed for the growth of most industrial minerals.

- 47 Barite—W. G. Freeman
Bastnasite—J. G. Cannon
- 49 Bauxite—J. H. Moses and W. D. Michell
- 51 Bentonite—S. H. Patterson
- 52 Boron—R. B. Kistler
Celestite—Anonymous
Cement—J. A. Ames
- 54 Diatomite—F. L. Kadey, Jr.
- 55 Dimension Stone—J. P. McGee
Feldspar, Aplite and Nepheline Syenite—K. H. Teague
- 56 Fluorspar—G. Montgomery
Fly Ash and Bottom Ash—W. C. Helt
- 57 Gypsum—F. C. Appleyard
- 58 Kaolin—B. F. Buie
Kyanite and Related Minerals—J. W. Sweeney
- 59 Lime, Limestone and Dolomite—R. A. Grancher
- 60 Lithium—F. E. Hurley
Magnesium Compounds—A. R. Smith
- 61 Mica—E. C. VanHorn
- 62 Perlite—F. M. Coda
Phosphate—G. D. Emigh
- 64 Potash—J. A. Beck
- 66 Refractories—O. M. Wicken
Salt—S. J. Lefond
- 67 Structural Mineral Aggregates—H. N. McCarl and
D. L. Harrell, Jr.
- 68 Sulfur—S. L. Levitsky
- 69 Talc, Soapstone and Pyrophyllite—H. T. Mulryan
Titanium—C. R. Gibson
- 70 Zircon and Hafnium—C. R. Gibson

71 High-Tension Electrostatic Separation for Making Iron Ore Superconcentrates

- J. E. Lawver and R. M. Funk
A new metallurgical system may prove to be a breakthrough in iron ore beneficiation.

74 New Mid-Shaft Sinking-Loading Concept

Anglo American Corp. and Shaft Sinkers Pty. Ltd., develop a speedier method to sink shafts. Concept permits muck loading simultaneously with sinking.

75 The Recovery of Elemental Sulfur From Base Metal Smelters

- D. R. George, L. Crocker and J. B. Rosenbaum
New aqueous and organic solutions recover elemental sulfur from stack gases.