Theme 3. Surface Workings. Theme 3 will be concerned primarily with the application of rock mechanics in the analysis and design of foundations, slopes, and other surface structures in rock. Examples of topics to be included: analytical and experimental methods for the determination of engineering properties of rock masses, stability of foundations and slopes, engineering problems of fluid pressure in rocks, artificial strengthening or improvement of rock properties.

Theme 4. Underground Openings. Theme 4 will discuss the analysis and design of permanent and temporary underground openings in rock. Examples of topics to be included: deformability, strength and stability of underground openings, ground control in mining systems, wellbore stability (petroleum engineering), effects of underground extraction (both of rock and fluids) on rock mass and the surface, underground storage caverns, support of tunnels and underground openings.

Theme 5. Fragmentation Systems. Theme 5 will be concerned with theoretical and applied studies of rock fragmentation and comminution.

Examples of topics to be included: fragmentation by mechanical, explosive, thermal, or hydraulic loading; design of blasting patterns; rock fragmentation in tunneling machines and in drilling; comminution; systems approach to fragmentation.

Submission of Papers

Authors from the U.S., who wish to submit papers to be included in the proceedings of the 3rd Congress, should send triplicate copies no later than September 1, 1973, to the U.S. Organizing Committee at the following address:

Albert N. Bove, Secretary
Organizing Committee for the 3*rd* ISRM Congress
U.S. National Committee for Rock Mechanics
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Accepted papers will be returned to authors along with more complete instructions and preprinted format sheets for final typing for photo-offset printing. All approved papers must reach the Organizing Committee in final form by December 1, 1973.

ERRATA

The American Mineralogist, Volume **58,** Numbers 3-4, page 280.

THOMPSON, ALAN BRUCE. "Analcime, free energy from hydrothermal data. Implications for phase equilibria and thermodynamic quantities for phases in $NaAlO_2$–SiO_2–H_2)."

Reaction ⟨2⟩ at the bottom of the first column should read:

$$\underset{\text{analcime}}{NaAlSi_2O_6 \cdot H_2O} + \underset{\text{quartz}}{SiO_2} = \underset{\text{low albite}}{NaAlSi_3O_8} + H_2O \quad \langle 2 \rangle$$