

JOURNAL OF SOLID STATE CHEMISTRY

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Cover Art. Projection along [010] of (a) 4H-BaRuO₃, (b) Ba₅Ru₂Br₂O₉ n = 2, (c) 9R-BaRuO₃, (d) Ba₆Ru₃Br₂O₁₂ n = 3, (e) 4H-BaRuO₃, (f) Ba₇Ru₄Br₂O₁₅ n = 4, (g) 6H-BaRuO₃ and (h) Ba₈Ru₅Br₂O₁₈ n = 5. The four ideal structures of the series [Ba₂Br₂][Ba_{n-1}Ru_nO_{3n+3}] can be deduced from the three polytypes of BaRuO₃ by separating the blocks on both sides from a shear plane which is a c layer and by intercalation of [Ba₂Br₂] double layers. Article by M. Kauffmann *et al.*, on pp. 1957–1966 of this issue.