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Nota di contenuto	A Collection of Papers Presented at the 1980 Fall Meeting and 83rd Annual Meeting of the Materials & Equipment and Whitewares Divisions The Amerfcan Ceramic Society; Table of Contents; Automated Material Handling Techniques for Wall Tile; A Versatile Dryer, for Ram-Pressed Ware and Hollow Ware; Kiln Redesign for Fuel Economy and Increased Production Capacity; New Developments in Firing Whitewares; Gelation Rate Index and Cast Quality; Internal Strength Measurements with Brittle Spheres; Process Controls Used in a Fast-Fire, Red-Body Tile Plant with a Traditional Dry-Body Preparation Textures Glazes for Floor and Wall TileOSHA Mineral Regulation Update; Environmental Regulations Affecting the Ceramic Industry; Nickel Spinels; Reformulation of Casting Bodies Using Slurries; Slurried Slip Conversion by a Sanitary Ware Manufacturer; Effects of Mixing Parameters on Pottery Plaster Molds; Drilling Holes in Glass/Ceramic Materials; Process, Machinery, and Tooling for Hot Molding of Ceramics Under Low Pressure; Regulation of Industrial Talc; Operating

Experiences with the Roller Kiln; The Latent Advantage of the Quick-Cooling Zone in Tunnel Kilns
A Quick Method of Estimating Tunnel Kiln Cycle
Limitations
Development of the Wide-Hearth Tunnel Kiln; Small Fiber-Lined Tunnel Kilns Offer Economy and Intermittent Firing Schedules; Wireless Traveling Thermocouple; Split Tile Fired in a Modern Shuttle Kiln Provide Economy and Flexibility of Manufacture

Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.
