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Nota di contenuto	A Collection of Papers Presented at the 1978,1979, and 1980 Meetings of the Materials & Equipment and Whitewares Divisions The American Ceramic Society; Table of Contents; Plastic Pressing of. Cordierite Sagggers; Process Controls in Pressing of Light Refractories; A Microprocessor Programmer Controller for Kiln Temperature Control; Automatic Application of Color on Whiteware by Banding, Spraying, and Other Means; Three-Color Glass Decoration; Pad Transfer Decorating; The Automation of Hand-Decorating Techniques The Practical Application of Current Automatic Weighing Techniques in the Ceramic IndustryCeramic Cements: Their Properties and Their Applications for Industry; Rheology and the Ceramic Engineer; Solving Production Problems with a Computer; Fast Firing of Triaxial Porcelain; New Shuttle Kiln Design for Firing Large Insulators; Which Is the Yellow for You?; Evaluation and Comparison of Peaches, Pinks, and Maroons for Corn etitive Color Matching; Observations on Brown Ceramic Colors; Basic Principles of Ceramic Decals; Color Control in Decal Systems and Its Implications for Decorating Ceramics

Application of Ceramic Decals to Hollowware by Machine; Isostatic Dry Pressing of Flatware; Dust-Free Loading and Stockpiling of Dry Bulk Material; The Refiring of Sanitary Ware; Use of Wad Mills in Materials Handling; Control Quality Control; Presentation from the Panel Discussion "Taking the Lead Out"; Presentation from the Panel Discussion "Taking the Lead Out"; Presentation from the Panel Discussion "Taking the Lead Out" Reducing Hazards in the Pottery; Kiln Furniture in a Fuel-Conscious World; Cordierite Slabs; Shock-Resistant Extruded and Hand-Molded Kiln Cartop Refractories  
The Effect on Thermal Expansion of the Addition of Various Materials to a Cone 01-1 Bright Glaze and Body  
What Raw Materials Can Do to Cut Energy Consumption; The Ceramic Glaze Data Bank; Use of Linear Programming for Reformulation of Triaxial Ceramics; Inclusion Pigments: New Types of Ceramic Stains and Their Applications; Cobalt-Free Black Pigments; Recent Design Changes in Pebble Mills; Everything You Want to Know about Semibulk Containers; Plastic Forming in the Tableware Industry; A Whitewares Dream Comes True: Isostatic Pressing, a Tool to Complete Automation  
Machinery for Hot Molding Ceramic Parts under Low Pressure  
Combustion Control Saves Fuel, Products, and Money; Energy Management Strategies Using Microprocessor Instrumentation; The Thermograph System of Kiln Control; Fast-Firing Sled Kiln for Dinnerware; New Roller Hearth Kiln for Vitrified Tile

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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.

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