

# Rock & Gem

Volume 37, Number 2 February 2007

## FEATURES

### Minerals of Earth's Crust 12

Part II: Sedimentary rocks are great collecting sites  
by Bob Jones

### The Frugal Collector: The Silicates 20

Part VI: Tanzanite, chrysoprase, and gem silica  
by Bob Jones

### Roadside Panning Sites in New Mexico 34

Part II: Rio Arriba, Sandoval, San Juan, San Miguel, Sierra, Socorro, Taos, and Valencia counties  
by David and Clois Walker

### Talc 40

A different kind of rock  
by Chloe R. Young

### Rock & Gem Kids 48

Crystal models and pyromorphite  
by Steve Decker

### Gold in the 21st Century 62

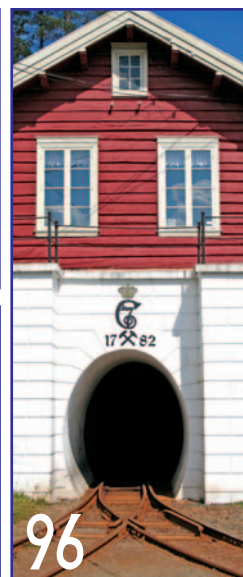
How mining and the market are changing  
by Steve Voynick

### Perspective on Platinum 82

Is it becoming too precious for jewelry?  
by Steve Voynick

### Silver Treasures of Kongsberg 96

Unique specimens from famous Norwegian mines  
by Kiera Tara O'Brien



## FIELD TRIPS

### Rockhounding Bountiful Bancroft 28

A collectible variety in a small area  
by Mike Streeeter

### Minnesota Cold-Water Agates 50

Exploring gravel bars along the Zumbro River  
by Kenneth H. Rohn

### Collectibles in Sediments 72

Cone-in-cone structures near Erie, Pennsylvania  
by Robert Beard

## REGULAR COLUMNS

Craftsman of the Month	.....6	Subscriber Service	
Show Dates	.....8	Information	.....92
Shop Talk	.....18	Rock Science	.....92
Picks & Pans	.....46	Many Facets	.....94
Off the Dop	.....90	On the Rocks	.....104

**ON THE COVER** Gemmy crystals of tanzanite, a variety of the silica mineral zoisite, are popular in jewelry. (Jeff Scovil photo/Barker & Co. specimen)

## SUBSCRIPTION QUESTIONS? Call (760) 291-1549

**BOB JONES** Senior Consulting Editor; **LYNN VARON** Managing Editor; **MARY ROBERTSON** Art Director; **JOE HOWARD**, **DAVID TRYK** Graphic Designers; **DANA GURNEE** Production Assistant; **ROBERT BEARD**, **STEVE DECKER**, **WILLIAM A. KAPPELE**, **JIM PERKINS**, **DIANE PROKOP**, **KENNETH H. ROHN**, **STEVE VOYNICK** Contributing Editors; **BRIAN ROBERTS** Advertising Director; **SOOK GUMPEL** Classified Advertising Manager; **CELESTE WEINGARDT** Advertising Production Manager; **DRAY BANKS** Advertising Production; **RAMONA HARVEY** Circulation Manager; **JEFF SHOOP** Publisher

**EDITORIAL SUBMISSIONS:**  
Lynn Varon / *Rock & Gem*  
290 Maple Ct., Suite 232, Ventura, CA 93003  
(805) 644-3824 ext. 29  
e-mail: editor@rockngem.com

**ADVERTISING INQUIRIES:**  
Brian Roberts / *Rock & Gem*  
11288 S. Indian Wells Dr., Goodyear, AZ 85338  
(623) 327-3525 phone/fax  
e-mail: brian@millerlags.com



*Rock & Gem* (ISSN 0048-8453, USPS 486-290) is published monthly by Miller Magazines, Inc., 290 Maple Ct., Ste. 232, Ventura, California 93003-3517, telephone (805) 644-3824. Periodicals postage paid at Ventura, CA 93006, and additional mailing offices. Single-copy price \$4.99. Subscription in U.S.A. and possessions: 1 year (12 issues) for \$24.00; 2 years for \$42.00; 3 years for \$54.00. Add \$15.00 per year postage for Canada and all other foreign countries. Submission of articles and photos by our readers is welcome, but we can accept no responsibility for loss or damage to unsolicited editorial contributions. Copyright 2007 by Miller Magazines, Inc.

Printed in U.S.A.

Notice: On rare occasions, typographical errors occur in prices listed in magazine advertisements. For this reason, advertisements appearing in *Rock & Gem* should be considered as requests to inquire, rather than as unconditional offers to sell. All prices are subject to change without notice.

**POSTMASTER:** Send address changes to  
*Rock & Gem*,  
P.O. Box 469113, Escondido, CA 92046-9113  
or RockAndGem@pcspublish.com