July 2006 Volume 36, Number 7

FEATURES

Colorado Minerals Part II: Gold and silver lead the way to gems by Bob Jones

Cyanide: The Real Story

A look at the chemical that revolutionized gold mining by Steve Voynick

The Frugal Collector: Mimetite

It imitates pyromorphite by Bob Jones

Roadside Panning Sites in Texas

Part VI: Travis, Trinity, Val Verde, Webb, Wilson, and Zapata counties by David and Clois Walker

Rock & Gem Kids

What gives a mineral specimen value? by Steve Decker

Stay Out and Stay Alive

Abandoned mines pose a danger by Steve Voynick

Rock Hobby Pioneers

A tribute to Ed and Verna Jones by Barbara L. Miller

Minerals of the Langesundfjord

Silicate and rare earth minerals in Southern Norway by Kiera Tara O'Brien

12

20

28





80

50

FIELD TRIPS

Thunder Bay Amethyst

Collecting at Canada's Panorama Mine by Pat Kerr

The Minerals of McDermit

Agate and petrified wood on the Oregon/Nevada border by Milo J. Breite

PROJECT

Make a Gold and Pearl Necklace

Organic gems complement yellow metal by Diane Prokop

REGULAR COLUMNS

Craftsman of the Month 6	
Show Dates8	
Shop Talk18	
Picks & Pans26	
Off the Dop 56	

Rock Science76 Many Facets......78 Subscriber Service Information.....82 On the Rocks88

Rock & Gem (ISSN 0048-8453, USPS 486-290) is published monthly by Miller Magazines, Inc., 290 Maple Ct., Ste. 232, Ventura, California 93003-3517, tele-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. tions. Copyright 2006 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@pcspublink.com

Farncomb Hill in Breckenridge, Colorado, is the best-known source for choice crystallized specimen gold. This 11.5-centimeter-high specimen is in the collection of Wayne Thompson. (Photo by Jeff Scovil)

SUBSCRIPTION QUESTIONS? Call (760) 291-1549

BOB JONES Senior Consulting Editor; LYNN VARON Managing Editor; MARY ROBERTSON Art Director; Carrie Meadows-Hartmann Graphic Designer; Joe Howard Graphic Artist; 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; MARLENA COLLIER-MIGACZ 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@millermags.com