





COVER: Collectible carbonate minerals include red rhodochrosite from Colorado, light-blue aragonite from China, green botryoidal malachite from Africa, and white calcite crystals on pyrite from Morocco. (Earl Lewis photo/specimens courtesy Crystalarium, Los Angeles)

REGULAR FEATURES
Craftsman of the Month6
Show Dates
Shop Talk
Lapidary Lore and More32
Rock Science46
Picks & Pans
John Sinkankas Memorial
Editorial Award
Off the Dop
Many Facets86
How to Subscribe 91

Rock & Gem (ISSN 0048-8453, USPS 486-290) is published monthly by Miller Magazines, Inc., 290 Majec Lt., Ste. 232, Ventura, California 93003-3517, telephone (805) 644-3824. Periodicals postage paid at Ventura, CA 93006, and additional mailing offices. Single-copy price \$3.99. 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 \$9.00 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 2004 by Miller Magazines, Inc.

On the Rocks96

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

Rock&Gem

Volume 34, Number 12	December 2004
Minerals of China	12
Spectacular new mineral discoveries are mo	ade every day!
by Bob Jones	
The Frugal Collector:	20
The Other Carbonates	20
Part I: The copperless carbonates; by Bob Jones	
Touring the Tiffany Mine	28
A historic turquoise source that's worth prese	
by Steve Voynick	51 v 11 1 9 ,
Roadside Panning Sites in Alabama	34
Part III of three county-by-county guides;	
by David and Clois Walker	
Project:	
Fabricate a Christmas Ornament	40
This mixed-metal ornament says "Happy Holi	days";
by Diane Prokop	4.0
Rock & Gem Kids	48
Marcasite and the Earth Digger Club;	
by Steve Decker	EO
Artist Profile: Susan Judy A geologist finds artistic expression in stone of	50
by Steve Voynick	Joliage,
Field Trip	
West Texas Rockhounding	60
Round up agate, jasper, geodes, fossils, ame	thyst, and more;
by Lisa Mann	
The History of Bevans Lead	66
Exploring a 19th-century Wisconsin mine;	
by Kenneth H. Rohn	
Project:	=-
Make a Lariat Cascade Necklace	72

Field Trip
Oreland Goethite

A family-friendly collecting site near Philadelphia; by Robert Beard

Smoky quartz and jasper make a dramatic statement;

Tom Miner Petrified Wood

You can still collect it with your camera; by Lance Strong

by Judy Atwell

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; GAIL BUTLER, STEVE DECKER, WILLIAM A. KAPPELE, ROGER MCPHERSON, JIM PERKINS, DIANE PROKOP, STEVE VOYNICK Contributing Editors; BRIAN ROBERTS Advertising Director; MARLENA COLLIER-MIGACZ Classified Manager; LEE MARTIN Advertising Advisor; CELESTE WEINGARDT Advertising Production Manager; DRAY BANKS Advertising Production; LYNN THOMPSON Classified Advertising Production; RAMONA HARVEY Circulation Manager; JEFF SHOOP Publisher

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

Magazines, Inc.

80

88