

12



52



**COVER:** This brilliant blue specimen of azurite from Bisbee, Arizona, is in the John Barlow Collection. (Photo by Earl Lewis)

## REGULAR FEATURES

Craftsman of the Month .....	6
Show Dates .....	8
Shop Talk .....	18
Lapidary Lore and More .....	26
Off the Dop .....	38
John Sinkankas Memorial Editorial Award .....	56
How to Subscribe .....	57
Many Facets .....	60
Picks & Pans .....	76
Rock Science .....	78
On the Rocks .....	88

Rock & Gem (ISSN 0048-8453, USPS 486-290) is published monthly by Miller Magazines, Inc., 4880 Market St., Ventura, California 93003-7783, 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 2003 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

# Rock & Gem

Volume 33, Number 11

November 2003

<b>The Frugal Collector: Azurite and Malachite</b>	12
You can still find affordable specimens; by Bob Jones	
<b>Collecting Fluorescent Minerals</b>	20
Looking at minerals in a different light; by Stuart Schneider	
<b>Successful Diamond Drilling</b>	28
Learning and applying the basic principles; by Brian Farberov	
<b>Panning Sites along U.S. Highway 431</b>	34
Easy-access mineral collecting in Alabama; by David and Clois Walker	
<b>Field Trip</b>	
<b>Rosebud County Moss Agate</b>	40
Searching the gravel beds of the Yellowstone River; by Kenneth H. Rohn	
<b>India's Ancient Mining Heritage</b>	44
It's one of the world's earliest mineral sources; by K.R. Raghu Nandan	
<b>Secrets of a Healthy Rock Club</b>	48
How to revitalize a flagging organization; by Mary C. Conner	
<b>Field Trip</b>	
<b>Finding Facet-Grade Topaz</b>	52
They don't call it Topaz Mountain for nothing; by Squy G. Wallace	
<b>New Products</b>	58
Recent releases for the lapidary	
<b>Collecting at Poland Mining Camps</b>	64
A variety of pegmatite minerals await; by Lori Lamb	
<b>A Salute to Mark Chance Bandy</b>	72
An unsung hero of the hobby; by Bob Jones	
<b>Swap Meet Treasure Hunt</b>	80
Test your gemological knowledge; by Douglas S. Le Grand, G.G.	

**BOB JONES** Senior Consulting Editor; **LYNN VARON** Managing Editor; **CARRIE MEADOWS-HARTMANN** Art Director; **MARY ROBERTSON** Graphic Designer; **DANA GURNEE, JOE HOWARD** Production Assistants; **GAIL BUTLER, WILLIAM A. KAPPEL, ROGER McPHERSON, JIM PERKINS, DIANE PROKOP, STEVE VOYNICK** Contributing Editors; **BRIAN ROBERTS** Advertising Director; **MARLENA COLLIER-MIGACZ** Classified Advertising 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  
4880 Market St., Ventura, CA 93003, (805) 644-3824 x13, fax (805) 644-3875  
e-mail: brian@millerlags.com

**Miller**  
Magazines, Inc.

E-mail your editorial questions to [editor@rockngem.com](mailto:editor@rockngem.com)

