



40



64

Rock & Gem

Volume 31, Number 9

September 2001

Subterranean Wonders 12

Travel to the center of the earth with our senior editor; by Bob Jones

The World's Most Valuable Fossil 20

How much would *you* pay for the world's best *T. rex* skeleton? by Steve Voynick

A Fossil Preparator's Primer 28

Tips for restoring and preserving your ancient treasures; by Peter Larson

Classical Paleontology 34

How much did the Greeks and Romans know about fossils? by Steve Voynick

Field Trip

Fossils of the Treasure State 40

Collecting invertebrates in Montana; by Kenneth H. Rohn

Cripple Creek Turquoise 48

There's gold in that there turquoise! by Bob Jones

Project:

Fashioning Gemstone Leaves 52

Semiprecious stones are alive with fall colors; by Frank Heiser

Are They Real? 58

How to tell fossils from nonfossils; by Deborah Painter

Project:

Make an Ammonite Pendant 64

Turn your prized finds into wearable art; by Lynn Vogt

Crawfordsville Crinoids 72

The rarest, most complete specimens come from Indiana; by Jim Brace-Thompson

Vesta Wade's Fossil Fern 80

Amateurs can still make important finds; by Lance Strong

VISIT US ON THE INTERNET



www.rockhounds.com

COVER: Semiprecious stones carved into fall leaves let you enjoy the season all year round. See the full story on page 52. (Photo by Harold and Erica Van Pelt)

REGULAR FEATURES

Craftsman of the Month.....	6
Show Dates.....	8
Shop Talk.....	18
Picks & Pans.....	26
How to Subscribe.....	39
Rock Science.....	69
Many Facets.....	70
MileStones.....	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 2001 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

4 www.rockngem.com

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. KAPPELE, ROGER McPHERSON, STEVE VOYNICK Contributing Editors; MARLENA COLLIER-MIGACZ Advertising Director; LEE MARTIN Advertising Advisor; CELESTE WEINGARDT Advertising Production Manager; DRAY BANKS Advertising Production; LYNN THOMPSON Typography; RAMONA HARVEY Circulation Manager; JEFFERY R. SHOOP Publisher

ADVERTISING ONLY: Marlena Collier-Migacz / Rock & Gem 4449 New Hope Rd., Pontotoc, MS 38863 (662) 488-8495, fax (662) 488-9625



Visit us at our new Web site: www.rockngem.com