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### [What’s new?](http://www.palagems.com/php/db_search.php?action=newstock)

### [Collector’s Corner](http://www.palagems.com/php/db_search.php?action=collectors_corner)

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# Resources

## All about buying & selling gemstones

### Basic Training

#### *American Travels of a Gem Collector* – One of the best introductions to gem collecting{Merge parts 1 & 2}

##### [American Travels of a Gem Collector (Part 1)](http://www.palagems.com/kunz_reminiscences1.htm) Reminiscences of George F. Kunz of Tiffany’s. This is one of the best introductions to gem collecting that we know of. Incredible stories from an incredible man. Complete with period photos.

##### [American Travels of a Gem Collector (Part 2)](http://www.palagems.com/kunz_reminiscences2.htm) Kunz travels through Mexico and also discusses jade. Complete with period photos.

#### [Judging Quality: The Four C’s](http://www.palagems.com/quality_4cs.htm) Determining the quality of a gemstone, involving color, clarity, cut, and carat weight. By Richard W. Hughes.

#### Buying and Selling Gems: What Light is Best? {Merge parts 1 & 2}

##### [Buying and Selling Gems: What Light is Best? (Part 1)](http://www.palagems.com/gem_lighting1.htm) An excellent analysis of how lighting affects the color and appearance of gems. By William Sersen and Corrine Hopkins. Fully illustrated.

##### [Buying and Selling Gems: What Light is Best? (Part 2)](http://www.palagems.com/gem_lighting2.htm)Artificial light options are discussed. By William Sersen. Fully illustrated.

#### [Gemstone Enhancements](http://www.palagems.com/enhancements.htm)

#### [Birthstones](http://www.palagems.com/birthstones.htm)

#### [Collecting and Investing in World Class Colored Gemstones](http://www.palagems.com/investing.htm)Pala’s Jason Stephenson provides a primer on this subject for people who are considering taking the plunge.

#### [A Historical Study of Precious Stone Valuations & Prices](http://www.palagems.com/ball_gem_prices.htm)Scholarly analysis of gem prices is as rare as a fine gem itself. Here we present probably the best ever written. By Sydney H. Ball. Illustrated. Reprinted from Economic Geology, 1935.

#### [Is Your Jewelry At Risk? A Guide to Choosing a Professional Jewelry Appraiser](http://www.palagems.com/choosing_an_appraiser.htm) By Charles Ellias

### Buying Guides

#### [Alexandrite](http://www.palagems.com/alexandrite_russia.htm#buying_guide)

#### [Demantoid](http://www.palagems.com/demantoid_garnet.htm#buying_guide)

#### [Jadeite](http://www.palagems.com/burma_jade_pt2.htm#jadeite_buying_guide)

#### [Lapis Lazuli](http://www.palagems.com/lapis_lazuli_bancroft.htm#buying_guide)

#### [Padparadscha](http://www.palagems.com/ruby_sapphire_borders.htm#buying_guide)

#### [Peridot](http://www.palagems.com/peridot_buyers_guide.htm#peridot_buying_guide)

#### [Ruby](http://www.palagems.com/burma_ruby.htm#ruby_buying_guide)

#### [Sapphire](http://www.palagems.com/sapphire_connoisseurship.htm#sapphire_buying_guide)

#### [Spessartite](http://www.palagems.com/spessartite_buyers_guide.htm)

#### [Spinel](http://www.palagems.com/spinel_ball.htm#spinelquality)

#### [Tanzanite](http://www.palagems.com/tanzanite_bancroft.htm#buying_guide)

#### [Topaz](http://www.palagems.com/topaz_buyers_guide.htm#buying_guide)

#### [Tourmaline](http://www.palagems.com/tourmaline_buyers_guide.htm)

#### [Tsavorite](http://www.palagems.com/tsavorite_bancroft.htm#buying_guide)

### Cutting

#### [Gem Cutter Romances the Stone](http://www.palagems.com/romance_stone.htm) A 1992 profile of master carver Meg Berry.

#### [The Jardin of Subterranean Delights: Atocha Emerald](http://www.palagems.com/gem_news_2008_v2.php#atocha_emerald) Meg Berry demonstrates the faceting process on a rare emerald.

### Treatments & Testing

#### [Fluxed Up: The fracture healing of ruby](http://www.palagems.com/flux_healing.htm) Pala’s ex-webmaster, Richard Hughes, takes a look at a little-known, but common treatment. Illustrated, with an Appendix by John Emmett.

#### [Gods, Graves & Sapphires](http://www.palagems.com/gods_graves_sapphires.htm) Pala’s President, William Larson, waxes philosophic on the impact of treatments on the ruby and sapphire market. Illustrated.

#### [LIBS: A New Beryllium Testing Method](http://www.palagems.com/beryllium_libs_testing.htm) The SSEF adds a powerful new weapon to the gemological arsenal. Illustrated.

#### [Questions About Treated Sapphires from Thailand](http://www.palagems.com/bulk_diffusion_sapphire.htm) Answers to questions regarding the outside-in diffusion of coloring agents used in these treatments.

#### [Red Hot and Blue: Irradiated Topaz](http://www.palagems.com/blue_topaz.htm) Blue topaz is achieved by a combination of irradiation and (often) heat treatment. But what happens when “hot” material isn’t allowed to cool?

#### [The Skin Game](http://www.palagems.com/treated_orange_sapphire.htm)Richard Hughes covers all the latest developments on the new treated orange sapphires in a comprehensive article. Fully illustrated.

#### [Suspect Blues: Coming in from the Cold?](http://www.palagems.com/treated_blue_sapphires.htm) In 2003, certain blue sapphires in Sri Lanka were the cause of great debate. Read about them here.

#### [Topaz Blue & Déjà Vu](http://www.palagems.com/blue_topaz_weldon.htm) By Robert Weldon. Reprinted by permission of GIA, 2007.

#### [Understanding the New Treated Pink-Orange Sapphires](http://www.palagems.com/treated_sapphire_emmett.htm) Experiments reproduced the Thai gem treatment. By John Emmett and Troy Douthit.

## Articles

### Collecting

#### [Private Eyes](http://www.palagems.com/private_eyes.htm) Gabrièl Mattice celebrates her 20th year with Pala International by allowing us to peek behind the scenes of world-class gemstone and mineral specimen acquisition.

#### [Remembering John Sinkankas](http://www.palagems.com/sinkankas.htm)

#### [The Harris Gemstone Collection: Educational and Priceless](http://www.palagems.com/harris.htm) Pala offered this collection for sale in the summer of 2009.

#### [World’s Foremost Buys the World’s Finest: GIA Acquires Gübelin Collection](http://www.palagems.com/gubelin_collection.htm) Bill Larson recalls his own work with this important collection, recently acquired by the Gemological Institute of America. Fully illustrated.

### Gemstones {Remove embedded buying guides}

#### All Gems

##### [The Internal World of Gemstones](http://www.palagems.com/inclusions.htm) A pictorial guide to a microscopic world that lets us further appreciate gemstones’ external beauty.

##### [Internal World Of Gemstones](http://www.palagems.com/inclusions.htm) (ode to Dr. Eduard Gübelin)

#### Demantoid

##### [Demantoid Disclosure](http://www.palagems.com/demantoid_disclose.htm)The ins and outs of laboratory reporting of treatment and locality.

#### Kunzite

##### [Kunzite the Precious](http://www.palagems.com/kunzite_the_precious.htm) A reprint from Sunset magazine, by William R. Gross, October 1905.

##### [On Kunz and Kunzite](http://www.palagems.com/kunzite_conklin.htm) An excellent historical look at the discovery and naming of kunzite, by Lawrence Conklin.

#### Painite

##### [Painite Comes to Pala](http://www.palagems.com/painite.htm) Pala International President Bill Larson recounts a thirty-year quest for a mysterious stone, finally concluding, “no painite, no gainite.”

#### Tanzanite

##### [Pala International Obtains One of the World’s Most Historic Tanzanite Crystals](http://www.palagems.com/tanzanite.htm).

#### Paraiba

##### [Paraiba at Pala](http://www.palagems.com/paraiba.htm) Pala brings you up to date regarding the “name game” for copper-bearing tourmaline. Fully illustrated.

##### [The Path to Paraiba](http://www.palagems.com/paraiba_mozambique.htm)

#### Ruby & Sapphire

##### [Seeing Red — Ruby Connoisseurship](http://www.palagems.com/ruby_connoisseurship.htm)

##### [Passion Fruit: A Lover’s Guide to Sapphire](http://www.palagems.com/sapphire_connoisseurship.htm) Pala’s resident ruby and sapphire expert discusses sapphire connoisseurship. By Richard W. Hughes.

##### [Seeing Red: A Guide to Ruby](http://www.palagems.com/ruby_connoisseurship.htm) Palagems.com’s ex-webmaster Richard Hughes examines the elements of quality in ruby. Fully illustrated.

##### [Walking the Line in Ruby & Sapphire](http://www.palagems.com/ruby_sapphire_borders.htm) A connoisseur’s search for meaning with padparadscha and pink sapphire. By Richard Hughes. Fully illustrated. ~~This article includes a~~ [~~Buyer’s Guide to Padparadscha~~](http://www.palagems.com/ruby_sapphire_borders.htm#buying_guide) ~~by Richard Hughes.~~

#### Spinel

##### [Spinel: A Description of Two Large Spinel Rubies…](http://www.palagems.com/spinel_ball.htm) Discussion of engraved spinels. By Valentine Ball. ~~Also includes a Buyer’s Guide to Spinel by Richard W. Hughes.~~

### Gemstone mining around the world {Remove embedded buying guides}

#### Afghanistan

##### [Lapis Lazuli from Afghanistan](http://www.palagems.com/lapis_lazuli_bancroft.htm) These storied mines are detailed in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures. ~~Also includes a Buyer’s Guide to Lapis Lazuli by Richard W. Hughes.~~

##### [Pegmatites of Laghman, Nuristan, Afghanistan](http://www.palagems.com/afghanistan_bariand.htm) By Pierre Bariand and J.F. Poullen.

#### Africa

##### [The Importance of African Colored Gemstones in Today's Market](http://www.palagems.com/africa_2012.php) A slide show by Pala’s Bill Larson, presented at the 2012 Arusha International Gem, Jewelry and Mineral Fair

##### [Add Value to East Africa Gems and People Will Shine, Too](http://www.palagems.com/add_value_weldon.htm) By Robert Weldon, GIA Manager of Photography & Visual Communications

##### [Color-Change Garnet from Kenya](http://www.palagems.com/color_change.htm) A new discovery (early 2009) from the Taita-Taveta are, best known for tsavorite production.

##### [Tsavorite from Kenya](http://www.palagems.com/tsavorite_bancroft.htm) Kenya’s tsavorite garnet mines are detailed in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures. ~~Also includes a Buyer’s Guide to Tsavorite by Richard W. Hughes.~~

#### Brazil

##### [Imperial Topaz from Brazil](http://www.palagems.com/topaz_buyers_guide.htm) Brazilian topaz mines are covered in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures. ~~Also includes a Buyer’s Guide to Topaz by Richard W. Hughes.~~

#### Burma

##### [A Visit to the Gem Emporium](http://www.palagems.com/visit_gem_emporium.htm) A reprint from Lotus: Inflight Magazine of Air Bagan by Emily Jane Chang.

##### [Burma Ruby: A History of Mogok’s Rubies from Antiquity to the Present](http://www.palagems.com/burma_ruby_book_review.htm) A book review by William Larson.

##### [Burma, The Mineral Utopia](http://www.palagems.com/burma_mineral_utopia.htm) By Martin L. Ehrmann, a reprint from The Lapidary Journal, 1957.

##### [Bill Larson in Burma and Vietnam, 2005](http://www.palagems.com/burma2005.htm) A pictorial.

##### [Burma Gem Sales and Statistics](http://www.palagems.com/gem_news_2006_v2.php#burma_oct_stats) A Gem News item that collects the most recent stats and links in one place.

##### Burmese Jade: The Inscrutable Gem {Merge parts 1 & 2}

###### [Burmese Jade: The Inscrutable Gem – Part 1: Burma’s Jade Mines](http://www.palagems.com/burma_jade.htm) A groundbreaking article on the second-most valuable gem in the world – Burmese jade. By Richard Hughes, Olivier Galibert, George Bosshart, Fred Ward, Thet Oo, Mark Smith, Tay Thye Sun and George Harlow. Fully illustrated.

###### [Burmese Jade: The Inscrutable Gem – Part 2: Cutting, Trading, Faking](http://www.palagems.com/burma_jade_pt2.htm) The cutting, grading, trading and faking of Burmese jadeite is detailed. Fully illustrated.

##### [Fire-hearted Pebbles from Burma](http://www.palagems.com/burma_ruby.htm) A wonderful look at mining rubies in Mogok, ca. 1930, by C.M. Enriquez. Complete with period photos.

##### [Gem Mining in Burma](http://www.palagems.com/gem_mining_burma.htm) By Martin Ehrmann. Reprinted by kind permission of Gems & Gemology, in which the original appeared, Spring 1957.

##### [Melo Pearls from Myanmar](http://www.palagems.com/melo_myanmar.htm) Poster session delivered at the 2006 GIA Symposium. Co-authored by Pala International President Bill Larson, Han Htun (Yangon), and Jo Ellen Cole (Carlsbad, CA). Fully illustrated.

##### [The Ruby Mines of Mogok](http://www.palagems.com/ruby_mines_mogok.htm) A mid-20th century manuscript by Martin Ehrmann. See also [Ruby Mines of Mogok – Slide Show](http://www.palagems.com/ruby_mines_mogok_pix.php) from Ehrmann’s personal collection.

#### Ceylon

##### [Ceylon’s Gem Mines](http://www.palagems.com/ceylon_sapphire_bancroft.htm) Ceylon’s storied gem mines are detailed in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures.

#### China

##### [Larsons in China](http://www.palagems.com/china_2006.htm) Pala’s Bill Larson and son Will Larson made presentations on tourmaline and collecting at a first-ever China mineral and gem crystal conference in Beijing.

##### [Treasures from the Palace Museum](http://www.palagems.com/china2_2006.htm) Photos taken in 2006 by Bill and Will Larson, from the Forbidden City’s famous museum.

#### Columbia

##### [The Emerald Deposits of Muzo, Colombia](http://www.palagems.com/emerald_colombia.htm) Scholarly examination of these famous emerald mines. By Joseph E. Pogue. Illustrated. Reprinted from Transactions of the American Institute of Mining Engineers, 1917.

#### India

##### [Kashmir Sapphires](http://www.palagems.com/kashmir_sapphire.htm) The first eyewitness account of the fabled Kashmir sapphire mines in northern India, 1889, by T.D. LaTouche. Complete with period and modern photos.

#### Mexico

##### [Lloviznando Opal: A Look Above the Surface](http://www.palagems.com/opal_lloviznando.htm) An extended look at this rare material from Mexico.

#### Mozambique

##### [The Path to Paraiba Winds Through Mozambique](http://www.palagems.com/paraiba_mozambique.htm) Pala’s Jason Stephenson recounts the history of gems in southern Africa and traces the steps of Moussa Konate, who discovered paraiba-type tourmaline in Mozambique.

##### [Red Sea Peridot](http://www.palagems.com/peridot_buyers_guide.htm) Zabargad’s peridot mines are detailed in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures. ~~Also includes a Buyer’s Guide to Peridot by Richard W. Hughes.~~

#### Pakistan

##### [Letter from Pakistan](http://www.palagems.com/pakistanletter.htm) True adventure from Pala International’s daring suppliers.

##### [Pakistan: A Year in Review](http://www.palagems.com/gem_news_2007_v1.php#pakistan_2006) A look at select developments in 2006: A follow-up on the 2005 earthquake, progress on a new initiative for gems and jewelry, a gemology school partnership, and a visit to the mines.

##### [Pakistan’s Gemstones: An Overview](http://www.palagems.com/pakistanoverview.htm) The past, present, and future of the challenges that face Pakistan in its development of a gemstone industry.

##### [Gemstone and Mineral Mining in Pakistan’s Mountains](http://www.palagems.com/clanin_pakistan.htm) An article by Jim Clanin reprinted from InColor.

#### Russia

##### [Alexandrite from Russia](http://www.palagems.com/alexandrite_russia.htm) By Peter Bancroft. Description of the Russian alexandrite mines. ~~Also includes a Buyer’s Guide to Alexandrite – By Richard W. Hughes.~~

##### [From Russia with Jade](http://www.palagems.com/jade_russia.htm) Pala’s ex-webmaster, Richard Hughes, together with Nickolai Kuznetsov, make an epic journey to Russia’s jadeite mines in the Polar Urals and Khakassia. Fully illustrated.

##### [Reds Turn to Green: Russia’s Stunning Demantoid Discovery](http://www.palagems.com/demantoid_garnet.htm) Russia’s new demantoid strike is detailed in this segment from Pala’s President, Bill Larson. ~~Also includes a Buyer’s Guide to Demantoid by Richard W. Hughes.~~

#### Tanzania

##### [First Voyage to Tanzania – Tanzanite – A Stone of Beauty](http://youtu.be/NPwhfsgfNi8) A video visit to the mines by Pala’s Will Larson, shot in conjunction with the 2012 Arusha show

##### [Longido Ruby](http://www.palagems.com/swoboda_longido.htm) We are proud to present this article courtesy of Edward Swoboda, on the ruby mines of Longido, Tanzania.

##### [Tanzanite from Tanzania](http://www.palagems.com/tanzanite_bancroft.htm) Tanzania’s tanzanite mines are detailed in this segment from Dr. Peter Bancroft’s Gem & Crystal Treasures. ~~Also includes a Buyer’s Guide to Tanzanite by Richard W. Hughes.~~

#### Thailand

##### [The Ruby & Sapphire Deposits of Moung Klung, Siam](http://www.palagems.com/thai_ruby_henry_louis.htm) 1894 account of mining ruby and sapphire in Thailand by Henry Louis.

#### USA

##### [The History of Pala Mining](http://www.palagems.com/mining.htm)

##### [Where Nature Stores Her Jewels](http://www.palagems.com/where_nature_stores.htm) A reprint from Sunset magazine, by Edna Rowell Schley, October 1905.

##### [Spodumene from San Diego Co., California](http://www.palagems.com/spodumene.htm) A reprint by Waldemar T. Schaller published by the University of California in the Bulletin of the Department of Geology, 1903.

##### [Uncle Sam’s Oversight](http://www.palagems.com/uncle_sams_oversight.htm) A reprint from Technical World Magaziney Edna Rowell Schley.

##### [California Gem Mining: Chronicle of a comeback](http://www.palagems.com/california_gem_mining.htm) One of the finest articles ever written about gem mining in San Diego County, California. Fully illustrated. By David Federman.

##### [Pala District Pegmatite Opens Wide](http://www.palaminerals.com/news_2007_v2.php#pala_oceanview) {Merge parts 1 & 2}New discoveries at the 49er pocket; also see [Part 2](http://www.palaminerals.com/news_2008_v1.php#pegmatite).

##### [The Queen Reigns Again](http://www.palagems.com/tourmaline_queen.htm) A great description of mining the Tourmaline Queen mine near Pala, California.

#### Vietnam

##### [Melo Pearls from South Vietnam](http://www.palagems.com/melo.htm) Photographs from Pala’s supplier.

##### [Gemstones in Vietnam](http://www.palagems.com/gemstones_in_vietnam.htm) Pala International is pleased to reprint this substantial article from The Australian Gemmologist. Written by Vietnamese and French researchers, the article covers corundum as well as aquamarine, tourmaline, peridot, and pearl.

### Museums & Exhibitions

#### [American Girls in Paris](http://www.palagems.com/american_girls_paris.htm) A visit to the French National Museum of Natural History.

#### [Flashes of Colour: Legendary Wines and Gemstones](http://www.palagems.com/flashes_of_colour.htm)In late June 2007, Pala International supplied over $1 million worth of gemstones and mineral specimens to a remarkable exhibition of fine wines and gemstones in Dijon, France.

#### [Pala’s Gabrièl Mattice Consults for Houston Museum Gem Vault](http://www.palagems.com/gem_news_2006_v3.php#mattice_gem_vault)

### Trade Shows

#### [Flashes of Colour: Legendary Wines and Gemstones](http://www.palagems.com/flashes_of_colour.htm) In late June 2007, Pala International supplied over $1 million worth of gemstones and mineral specimens to a remarkable exhibition of fine wines and gemstones in Dijon, France.

#### [Munich Mineral Show 2011](http://www.palaminerals.com/news_2011_v2.php#munich_dec)The Munich Mineral Show is Europe’s finest. See also the reports from [2009](http://www.palagems.com/munich_2009.htm), [2007](http://www.palaminerals.com/news_2007_v2.php#munich), and [2001](http://www.palagems.com/munich_minerals_2001.htm). From Pala International’s Bill Larson and Will Larson.

#### [Sainte-Marie-aux-Mines 2010](http://www.palaminerals.com/ste_marie_2010.php) See also the reports from [2009](http://www.palaminerals.com/ste_marie_2009.php), [2008](http://www.palaminerals.com/ste_marie_2008.php), [2007](http://www.palaminerals.com/news_2007_v2.php#sainte_marie), and [2006](http://www.palaminerals.com/ste_marie_2006.php). From Pala International’s Bill Larson and Will Larson.

#### [A Trip to Japan](http://www.palagems.com/tokyo_mineral_show.htm) Pala International at the 2005 Tokyo Mineral Show. By Will H. Larson.

## Newsletters

### [Palagems Reflective Index](http://www.palagems.com/gem_news_2014_v1.php) (eNewsletter: March 2000 – February 2014)

#### [2014.1](http://www.palagems.com/gem_news_2014_v1.php)

#### [2013.3](http://www.palagems.com/gem_news_2013_v3.php)

#### [2013.2](http://www.palagems.com/gem_news_2013_v2.php)

#### [2013.1](http://www.palagems.com/gem_news_2013_v1.php)

#### [2012.3](http://www.palagems.com/gem_news_2012_v3.php)

#### [2012.2](http://www.palagems.com/gem_news_2012_v2.php)

#### [2012.1](http://www.palagems.com/gem_news_2012_v1.php)

#### [2011.3](http://www.palagems.com/gem_news_2011_v3.php)

#### [2011.2](http://www.palagems.com/gem_news_2011_v2.php)

#### [2011.1](http://www.palagems.com/gem_news_2011_v1.php)

#### [2010.3](http://www.palagems.com/gem_news_2010_v3.php)

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#### [2010.1](http://www.palagems.com/gem_news_2010_v1.php)

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#### [2006.1](http://www.palagems.com/gem_news_2006_v1.php)

#### [2005](http://www.palagems.com/gem_news_2005.php)

#### [2004](http://www.palagems.com/gem_news_archive.php)

#### [2003](http://www.palagems.com/gem_news_archive.php#archive_2003)

#### [2002](http://www.palagems.com/gem_news_archive2.php)

#### [2001](http://www.palagems.com/gem_news_archive2.php#archive_2001)

#### [2000](http://www.palagems.com/gem_news_archive2.php#archive_2000)

### [The Gem Spectrum](http://www.palagems.com/gem_spectrum.htm) (Print edtion: January 1995 – February 2003)

#### [Vol. 7](http://www.palagems.com/gem_spectrum7.htm)    February 2003

##### ***The Reds have the Greens***

##### ***A Visit to Russia’s Demantoid Mines by William F. Larson***

##### ***Palagems.com’s Demantoid Garnet Buying Guide by Richard W. Hughes***

##### ***Big Mama’s in the House***

#### [Vol. 6](http://www.palagems.com/gem_spectrum6.htm)    May 2000

##### ***Collecting… It’s Not Just a Hobby***

##### ***Reminiscences of a Gem Collector by G.F. Kunz***

##### ***Mining & Market Notes***

##### ***Wired: Welcome to Palagems.com***

#### [Vol. 4, No. 1](http://www.palagems.com/gem_spectrum4.1.htm)    January 1998

##### ***Demantoid from the Ural Mountains of Russia***

##### ***Russia’s Royal Lineage***

##### ***Jewels of the Romanovs***

##### ***Cutter’s Corner***

#### [Vol. 3, No. 1](http://www.palagems.com/gem_spectrum3.1.htm)    May 1997

##### ***Maw-Sit-Sit***

##### ***Mogok Mining Notes: Part 2***

##### ***Cutter’s Corner***

#### [Vol. 2, No. 1](http://www.palagems.com/gem_spectrum2.1.htm)    January 1996

##### ***American Gemstones***

##### ***The Guide: A Great Tool***

##### ***Editor’s Note: Collecting as a Profession***

##### ***Harry Winston: An American Legend***

#### [Vol. 1, No. 2](http://www.palagems.com/gem_spectrum1.2.htm)    June 1995

##### ***Myanmar***

##### ***Mogok Mining Notes: Part 1***

##### ***Cutter’s Corner***

##### ***Editor’s Note***

##### ***By the Book***

#### [Vol. 1, No. 1](http://www.palagems.com/gem_spectrum1.1.htm)    January 1995

##### ***Peridot from Pakistan***

##### ***By the Book***

##### ***Cutter’s Corner***

##### Tucson ’95

### [FotogFocus](http://www.palagems.com/fotogfocus_index.htm) — a look at the artists behind the camera

#### [Bruno Cupillard](http://www.palagems.com/fotogfocus_cupillard.htm) : Aventures Cristallines

#### [Jeffrey Scovil](http://www.palagems.com/fotogfocus_scovil.htm) : The Eye of a Curator

#### [Wimon Manorotkul](http://www.palagems.com/fotogfocus_manorotkul.htm) : In Love with Aesthetics

#### [Fred Kruijen](http://www.palagems.com/fotogfocus_kruijen.htm) : Small Wonders

#### [Sarah Oros](http://www.palagems.com/fotogfocus_oros.htm) : “Within Nature’s Design”

## Links to other sites

### Auction Houses

#### [Bonhams & Butterfields](http://www.bonhams.com/cgi-bin/public.sh/pubweb/publicSite.r?sContinent=EUR&screen=Jewellery) – Gem, jewelry, and mineral auctions

#### [Christie’s](http://www.christies.com/departments/jewelry/) – Gem, jewelry, and mineral auctions

#### [Sotheby’s](http://www.sothebys.com/en/departments/jewellery.html) – Gem, jewelry, and mineral auctions

### Gemology • Minerology

#### [Ruby-Sapphire.com](http://www.ruby-sapphire.com/) – The gemology site of Pala/Collector’s ex-webmaster, Richard Hughes. One of the deepest gem sites on the web

#### [Academie voor Mineralogie](http://www.acam.be/) (Academy for Mineralogy) – Belgian school, founded in 1969, active in gemology, mineralogy, and paleontology

#### [Adamas Gemological Laboratory & Gemological Software](http://adamasgem.org/) – Site of gemologist Marty Haske

#### [Asian Institute of Gemological Sciences](http://aigsthailand.com/) – Thailand’s first gemology school and lab, and alma mater of Pala’s ex-webmaster, Richard Hughes

#### [Canadian Gemmological Association](http://www.canadiangemmological.com/) – Canada’s national gemology association

#### [Carat Gem Lab](http://www.caratgemlab.com/) – French lab located in Metz, Lorraine

#### [D-Gem-G](http://www.dgemg.com/) – Germany’s oldest and most famous gemology institute and lab

#### [Gem and Jewelry Institute of Thailand](http://www.git.or.th/) – Bangkok-based government gem lab and school

#### [GemExpert](http://www.gemexpert.ch/) – Advisory service regarding jewelry and gems from H.A. Hänni (SSEF) and Johannes Hunziker (University of Lausanne)

#### [Geminterest.com](http://www.geminterest.com/) – A very nice French gemology and mineralogy site

#### [Gemlab.net](http://www.gemlab.net/) – Well-equipped Liechtenstein-based gem lab

#### [The Gemmary](http://www.gemmary.com/) – Serving the serious antique scientific instrument and book collector

#### [Gemmological Association of Great Britain](http://www.gem-a.com/)

#### [Gemology World](http://www.cigem.ca/) – Canadian Institute of Gemmology

#### [Gems & Gemmological Institute of Pakistan, Peshawar](http://ggip.com.pk/) – Established by Trade Development Authority of Pakistan

#### [GéoForum](http://www.geoforum.fr/) – We’re told this is the reference site in France for the field of earth sciences—from geology to mineralogy to paleontology to volcanology

#### [Géopolis](http://www.geopolis.fr/) – French resource and forum on minerals, fossils, and geology

#### [GéoWiki](http://www.geowiki.fr/) – Encyclopedia dedicated to geology, mineralogy, paleontology, volcanology and other Earth sciences. Everyone can enrich by registering as a member

#### [GIA Online](http://www.gia.edu/) – Gemological Institute of America

#### [GIA Laboratory Bangkok](http://www.giathai.net/) – This site has some of its own research reports

#### [Gübelin Gem Lab](http://www.gubelingemlab.ch/) – Site of the world-renowned Gübelin Gem Lab

#### [HRD](http://www.hrdantwerp.be/) – Diamond High Council, Antwerp, Belgium

#### [IBGM – Instituto Brasileiro de Gemas e Metais Preciosos](http://www.ibgm.com.br/) – Nice Brazilian gem site

#### [IGE – Instituto Gemológico Español](http://www.ige.org/) – Spanish gemological institute

#### [International Gem Society](http://www.gemsociety.org/) – Gemological site

#### [Laboratoire Français de Gemmologie](http://www.laboratoire-francais-gemmologie.fr/) – Paris gem lab

#### [Mindat.org](http://www.mindat.org/) – Fabulous site, probably the best site for mineral data on the web

#### [Mineral & Gem à Sainte-Marie-aux-Mines](http://www.sainte-marie-mineral.com/index.php?l=en&s=info&p=accueil) – Exposition continuing to be held in Sainte-Marie-aux-Mines, former site of Euro-Mineral and Euro-Gem

#### [MineralTown.com](http://www.mineraltown.com/) – A Spanish website full of information on mineral collecting

#### [Pakistan Gems and Jewellery Development Company](http://www.pgjdc.org/) – Supported by the government of Pakistan

#### [Pegmatite Interest Group](http://www.minsocam.org/msa/special/Pig/) – For the pegmatite lovers out there

#### [Pricescope](http://www.pricescope.com/) – Online forum devoted to gems

#### [Russian Gemological Server](http://www.gemology.ru/) – Business, research and educational projects in gemology

#### [Swiss Gemmological Institute (SSEF)](http://www.ssef.ch/) – One of the world’s top gem laboratories

#### [University of Texas Gemology Program](http://www.geo.utexas.edu/courses/347k/) – Very nicely done pure gemology

### Press

#### [Australian Gemmologist](http://www.gem.org.au/ag_journal) – Journal of The Gemmological Association of Australia

#### [Instore Magazine](http://www.instoremag.com/) – Magazine for the American jewelry store owner

#### [Gems & Gemology](http://www.gia.edu/gems-gemology) – The world’s finest gemological publication, from the GIA

#### [The GemGuide](http://www.gemguide.com/) – From Gemworld International, publishers of The Guide, the best price guide to gems. Pala’s own Josh Hall is on the Board of Advisers

#### [IDEX Magazine](https://www.idexonline.com/) – UK Magazine covering the diamond trade

#### [Jewelers’ Circular Keystone (JCK)](http://www.jckonline.com/) – Famous trade magazine

#### [Jewellery News Asia](http://www.jewellerynewsasia.com/en/home.html) – Asia’s best jewelry trade magazine (registration required)

#### [Lapidary Journal Jewelry Artist](http://www.jewelryartistmagazine.com/) – Magazine devoted to jewelry and lapidary arts

#### [Mineralogical Record](http://www.minrec.org/) – The finest magazine devoted to the mineral collector

#### [MJSA Journal](http://www.mjsa.org/publications_and_media/mjsa_journal) – Devoted to jewelry arts, published by Manufacturing Jewelers & Suppliers of America

#### [Modern Jeweler](http://www.modernjeweler.com/) – Magazine for the American jeweler

#### [National Jeweler](http://www.nationaljewelernetwork.com/) – NYC-based jewelry trade magazine

#### [Professional Jeweler Magazine](http://www.professionaljeweler.com/) – Jewelry magazine

#### [Rapaport’s Diamonds.net](http://www.diamonds.net/) – Famous diamond price sheet; also has news about colored stones

#### [Rocks & Minerals](http://www.rocksandminerals.org/) – America’s oldest popular mineral magazine

#### [The Roskin Gem News Report](http://roskingemnewsreport.com/) – Hosted by gemologist, educator, author, and journalist Gary A. Roskin

### Museums

#### [Bowers Museum](http://www.bowers.org/) – Featuring the magnificent Michael Scott collection of gems and minerals

#### [Carnegie Museum of Natural History](http://www.carnegiemnh.org/exhibitions/default.aspx?id=8167) – Hillman Hall of Minerals and Gems, Pittsburgh, PA

#### [Harvard Mineralogical Museum](http://www.fas.harvard.edu/~geomus/) – Mineral museum at Harvard University

#### [Hermitage](http://www.hermitagemuseum.org/html_En/index.html) – Museum in St. Petersburg, Russia houses a magnificent collection of gold and jewels

#### [Houston Museum of Natural Science](http://www.hmns.org/) – Home of the Cullen Hall of Gems and Minerals, and the Lester and Sue Smith Gem Vault

#### [Los Angeles County Museum of Natural History](http://www.nhm.org/site/explore-exhibits/permanent-exhibits/gems-minerals) – Home of the E. Hadley Stuart Jr. Hall of Gems and Minerals

#### [Louvre](http://www.louvre.fr/llv/commun/home.jsp?bmLocale=en) – One of the world’s finest museums, with many gems on display, Paris, France

#### [Muséum national d’Histoire naturelle](http://www.mnhn.fr/) – Lovely mineral collection, situated in the Jardin des Plantes, Paris

#### [National Mining Hall of Fame and Museum](http://www.mininghalloffame.org/) – Located in the famous 1880s silver mining boomtown of Leadville, Colorado

#### [San Diego Natural History Museum](http://www.sdnhm.org/science/mineralogy/) – Mineralogy Dept. of this fine museum

#### [A.E. Seaman Mineral Museum](http://www.geo.mtu.edu/museum/index.html) – Michigan’s official state museum of minerals, at Michigan Tech

#### [Smithsonian Institution](http://www.minerals.si.edu/index.htm) – Department of Mineral Sciences

#### [Sterling Hill Mining Museum](http://sterlinghillminingmuseum.org/) – Located in the famous Franklin, New Jersey area

#### [Tower of London](http://www.hrp.org.uk/TowerOfLondon/stories/crownjewels.aspx) – Home of the British crown jewels, in London, UK

#### [Virtual Museum of the History of Mineralogy](http://www.mineralogy.eu/) – Books, instruments, and crystal models

### Trade organizations

#### [American Gem Society](http://www.ags.org/)

#### [American Gem Trade Association](http://www.agta.org/)

#### [California Federation of Mineralogical Societies](http://www.cfmsinc.org/) – Gem and mineral clubs in California

#### [CIBJO](http://www.cibjo.org/) – The World Jewellery Confederation

#### [Gem Artists of North America](http://www.gemartists.org/) – Organization of gem artists and gem designers

#### [International Colored Gemstone Association](http://www.gemstone.org/)

#### [Jewelers Board of Trade](http://www.jewelersboard.com/) – Credit information about gem and jewelry companies

#### [Jewelers of America](http://www.jewelers.org/) – America’s largest jewelers association

#### [Mineralogical Society of America](http://www.minsocam.org/)

## [Professional Gem Tools](http://www.palagems.com/pgt_home.htm) {Update this ordering system}

### [Loupes](http://www.palagems.com/pgt_loupes.htm)

### [Dichroscopes](http://www.palagems.com/pgt_dichroscopes.htm)

### [Cobbing Hammers and Lead Beds](http://www.palagems.com/pgt_cobbing.htm)

### [Friable Diamond Powder](http://www.palagems.com/pgt_diamond.htm)

### [Lapidary Oil](http://www.palagems.com/pgt_oil.htm)

# About Us

## The Company

### [About Pala](http://www.palagems.com/about_pala.htm)

### [Pala International Celebrates Forty Years](http://www.palagems.com/gem_news_2009_pala40.php#pala_at_40) {Separate into article?}

### [Our philosophy](http://www.palagems.com/our_philosophy.htm)

### [World-Class Gem Cutting](http://www.palagems.com/gem_cutting.htm)

### Pala’s Credentials

## The People

### [Meet Our Staff](http://www.palagems.com/staff_bios.htm)

### [Meet the Larsons](http://www.palagems.com/meet_the_larsons.htm)

## [Show & Lecture Schedule](http://www.palagems.com/show_schedule.htm)

# Contact Us

## [Contact Us](http://www.palagems.com/contact.htm)

### Email directory

### Email form

## [Our Wants](http://www.palagems.com/wants_ours.htm) & [Your Wants](http://www.palagems.com/wants_yours.htm) {Merge with Contact us?}

## [Pala’s Mailbag](http://www.palagems.com/mailbag.htm) (blog-like listing of fun stuff) {Delete from the site?}

# Search

## [Gem search](http://www.palagems.com/php/db_search.php?action=gemsearch)

## [Find an appraiser](http://www.palagems.com/find_appraiser.htm)

## [Find a jeweler](http://www.palagems.com/find_jeweler.htm)

## Search the library (not built)

## Search the entire site (not built)

## [Site map](http://www.palagems.com/site_map.htm)

# ARTICLES BY BILL LARSON (copies of links from elsewhere)

## [Collecting and Investing in World Class Colored Gemstones](http://www.palagems.com/investing.htm) – Pala’s Jason Stephenson provides a primer on this subject for people who are considering taking the plunge. (Bill Larson, subject matter expert)

## [The Importance of African Colored Gemstones in Today's Market](http://www.palagems.com/africa_2012.php) – A slide show by Pala’s Bill Larson, presented at the 2012 Arusha International Gem, Jewelry and Mineral Fair

## [World’s Foremost Buys the World’s Finest: GIA Acquires Gübelin Collection](http://www.palagems.com/gubelin_collection.htm) – Bill Larson recalls his own work with this important collection, recently acquired by the Gemological Institute of America. Fully illustrated.

## [Painite Comes to Pala](http://www.palagems.com/painite.htm) – Pala International President Bill Larson recounts a thirty-year quest for a mysterious stone, finally concluding, “no painite, no gainite.”

## [Munich Mineral Show 2011](http://www.palaminerals.com/news_2011_v2.php#munich_dec) – The Munich Mineral Show is Europe’s finest. See also the reports from [2009](http://www.palagems.com/munich_2009.htm), [2007](http://www.palaminerals.com/news_2007_v2.php#munich), and [2001](http://www.palagems.com/munich_minerals_2001.htm). From Pala International’s Bill Larson and Will Larson.

## [Sainte-Marie-aux-Mines 2010](http://www.palaminerals.com/ste_marie_2010.php) – See also the reports from [2009](http://www.palaminerals.com/ste_marie_2009.php), [2008](http://www.palaminerals.com/ste_marie_2008.php), [2007](http://www.palaminerals.com/news_2007_v2.php#sainte_marie), and [2006](http://www.palaminerals.com/ste_marie_2006.php). From Pala International’s Bill Larson and Will Larson.

## [Bill Larson in Burma and Vietnam, 2005](http://www.palagems.com/burma2005.htm) – A pictorial.

## [Larsons in China](http://www.palagems.com/china_2006.htm) – Pala’s Bill Larson and son Will Larson made presentations on tourmaline and collecting at a first-ever China mineral and gem crystal conference in Beijing.

## [Melo Pearls from Myanmar](http://www.palagems.com/melo_myanmar.htm) – Poster session delivered at the 2006 GIA Symposium. Co-authored by Pala International President Bill Larson, Han Htun (Yangon), and Jo Ellen Cole (Carlsbad, CA). Fully illustrated.

## [Reds Turn to Green: Russia’s Stunning Demantoid Discovery](http://www.palagems.com/demantoid_garnet.htm) – Russia’s new demantoid strike is detailed in this segment from Pala’s President, Bill Larson. Also includes a [Buyer’s Guide to Demantoid](http://www.palagems.com/demantoid_garnet.htm#buying_guide) by Richard W. Hughes.