The Australian Gemmologist 1958-2017 Contents

OLD FORMAT
Volume 1 July 1958 – June 1959

Volume 1, Number 1, July 1958
Address of welcome: Professor D.P. Mellor, 5.
Gem inclusions through a x10 loupe (ruby, emerald, sapphire): A.A. Wirth, 10-12.
Do we know enough about diamonds: W.A. Catanach, 25.
Gemmology and the salesman: S. Morrow, 28-29.

Volume 1, Number 2, August 1958
Fabulite – The new diamond substitute: Prof. Dr. Schlossmacher (trans. by J.D. Altmann), 8-9.
Andamooka field excursion: R. Harvey, 16-17.

Volume 1, Number 3, September 1958
Australia’s first pearl culture venture, 15-19.

Volume 1, Number 4, October 1958
Cultured emeralds and how they grow: C.F. Chatham, 7-11.
Inside the Chatham cultured emerald: T. Koller, 14-20.

Volume 1, Number 5, November 1958
Prasiolite: A.A. Wirth, 6-8.
A new method for producing synthetic ruby: Professor D.P. Mellor, 10-11.
Marco Polo – Gem lover – Part 1, 22-23.

Volume 1, Number 6, December 1958
The origin of gems – Part 1: R. Grasso, 8-10.
Synthetic diamonds through the microscope: G.A. Tombs, 12.
New discovery in Western Australia (tiger’s eye and cat’s eye opals), 15.
Marco Polo – Gem lover – Part 2, 16-17.

Volume 1, Number 7, January 1959
The origin of gems – Part 2: R. Grasso, 6-12.
Asterism in gemstones: N.G. D’Ascenzo, 13-16.
Introducing precious gemstones: A.A. Wirth, 17-19.
Marco Polo – Gem lover – Conclusion, 32.

Volume 1, Number 8, February 1959
Testing emeralds, 9-10.
Man-made stones are ‘synthetics’: The Gemmologist, 12.

Volume 1, Number 9, March 1959
The Pearl King – The story of the fabulous Mikimoto: R. Eunson, 7-14.
A link with the Spanish Armada (four ancient pearls), 16-20.

Volume 1, Number 10, April 1959
Gemstones and their superstitions: D.R. Walter, 6-11.
The Pearl King (continued): R. Eunson, 18-21.

Volume 1, Number 11, May 1959
Man-made emeralds: E.J. Gubelin, 7.
Know your jadeite: A.A. Wirth, 10-13.
Some notes on a recent West Australian mineral discovery (opalised tiger’s eye), 16-17.
The Pearl King (continued): R. Eunson, 18-21.
The birth of the opal (poem), 22.

Volume 1, Number 12, June 1959
Emeralds from Sandawana: E.J. Gubelin, 6-20.
The Pearl King (continued): R. Eunson, 31-32.

Volume 2 July 1959 – June 1960

Volume 2, Number 1, July 1959
How to start collecting minerals: D.R. Walter, 6-11.
Synthetic rutile sold under many names, 13-14.
European diamond market report: C.J. Ginder, 19.
The Pearl King (continued): R. Eunson, 22-26.

Volume 2, Number 2, August 1959
Overseas gemmological and jewellery trends: J.D. Altmann, 5-7.
A new opal prospect: R.B. Stokes, 8.
Determination of mounted stones: N.F. Lamb, 11.
The Pearl King (continued): R. Eunson, 13-20.

Volume 2, Number 3, September 1959
How to use a dichroscope: C.J Parsons, 11-12.
Table of pleochroism, 13.
The Pearl King (continued): R. Eunson, 24-30.

Volume 2, Number 4, October 1959
Turquoise imitations: R. Webster, 5-7.
European diamond market report, 12.
Gem cutting, 18-19.
The Pearl King (continued): R. Eunson, 21-30.

Volume 2, Number 5, November 1959
Highlights from the gem trade laboratories in New York and Los Angeles - Gems & Gemology, 5.
Lapidary trend in America: K.E. Bensusan, 9-12.
The Rayner gemmological microscope, 13-14.
Jewel exhibition Melbourne 1959, 16-17.

Volume 2, Number 6, December 1959
Rarest stone in the World (Blue John): D. Thompson, 5.

The Australian Gemmologist 1958-2017 Contents
A visit to the Burra Copper Mine in South Australia: D.R. Walter, 7-10.
Kuri Bay (Qld): D.R. Walter, 15.
The Pearl King (continued): R. Eunson, 21-25.

Volume 2, Number 7, January 1960
Facetted gem stones: cutting for maximum brilliance: O.L. Knight, 5-12.
Retail jewellers welcome diamond course, 15-16.
The Pearl King (continued): R. Eunson, 24-28.

Volume 2, Number 8, February 1960
The Pearl King (continued): R. Eunson, 17-22.

Volume 2, Number 9, March 1960
Properties and classification of individual garnets: B.W. Anderson, 5-12.
Memories of Western Australian gold rushes – The Larkinville and Specimen Gully finds: R.J. Beavis, 14-18.

Volume 2, Number 10, April 1960
The nature of polished metal and stone surfaces, 5.
Chatham denies FTC charges, 7-8.
The gold rush, Beechworth (1852), 12-13.
The Pearl King (continued): R. Eunson, 19-22.

Volume 2, Number 11, May 1960
Black opal: L. Hudson, 5.
Opal deposits at the Hayricks opal mine, Quilpie: Queensland Government Mining Journal, 7-16.
Fishing for truth about R.I.: D.G. Sanderson, 18.
Life on the goldfields: R.C. Harvey, 20-22.
The Pearl King (continued): R. Eunson, 26-30.

Volume 2, Number 12, June 1960
The mechanical properties of solids and their influence on the durability of gemstones, 7 - 17.
The Pearl King (continued): R. Eunson, 29-30.

Volume 3 July 1960 – June 1961

Volume 3, Number 1, July 1960 (OLD SERIES)
The noble opal of Australia: A.A. Wirth, 6-7.
North America’s only diamond field: E.L. Howe, 16-17.
The Pearl King (continued): R. Eunson, 24-26.

Volume 3, Number 2, August 1960 (OLD SERIES)
Huge gem auction in London, 10.
Hopper crystals of quartz from Meelup, Western Australia: J.G. Kay, 16-18.
The Pearl King (continued): R. Eunson, 24-26.

Volume 3, Number 3, August 1960 (OLD SERIES)
Diamonds for you: De Beers Consolidated Mines Ltd, 5-11.
Jade carving: P. Ping-Heng, 13-17.
Fabulite (Strontium titanate), 18.
The Pearl King (continued): R. Eunson, 22-26.

Volume 3, Number 1, November-December 1960 (NEW SERIES)
Gold is where you find it: M. Bracken, 4
Pearl testing endoscope: Special correspondent, 7-11.

Volume 3, Number 2, January-February 1961
Tasmanian jewellery exhibition, 5-7.
The GAA field day: D.G. Sanderson, 8-9.
Australia and gemmology: alexandrite: A.A. Wirth, 11-12.

Volume 3, Number 3, March 1961
The Maori Heitiki: Whitcombe & Tombs Ltd, 5-6.
Relationship between refractive index and specific gravity: J.R. Tuffley, 7-9.
Synthetic and cultured gem materials: S. St. J. Warne, 16-19.

Volume 3, Number 4, April 1961
The rise of the diamond: M.J. Ward, 5-6.
Protecting a trade, 14-19.

Volume 3, Number 5, May 1961
Zircon – the mineral and gemstone of rising fame: Professor A.F. Wilson, 6-7, 14.
Protecting a trade (continued), 15-19.

Volume 3, Number 6, June 1961
Chiastolites from the Olary Province of South Australia: D.R. Walter, 5-9.

Volume 4 July 1961 - December 1962

Volume 4, Number 7, July 1961
Figure-O-Scope: J.J. Snow, 9.
Protecting a trade (continued), 12-14.

Volume 4, Number 8, August 1961
Protecting a trade (continued), 14-15.

Volume 4, Number 9, September 1961
Protecting a trade (continued and end), 10-11.

**Volume 4, Number 10, December 1961**
Is gemmology enough?: D. Sanderson, 18.
The story of the Allied Jewellery Centre of Victoria, 19, 22.

**Volume 4, Number 11, March 1962**
The opal market: J.D. Altmann, 13-14.
Is gemmology enough?: A.G. Steele, 17.
River of jade (BC, Canada), 29-30.

**Volume 4, Number 12, June 1962**
Microstructures in opal potch from Andamooka, 9-10.

**Volume 4, Number 13, July 1962**

**Volume 4, Number 14, August 1962**
The paradox of the “rare” synthetic: J.R. Jones, 11-12.

**Volume 4, Number 15, September 1962**
The art and science of gemmology: H.E.E. Brock, 5-8.

**Volume 4, Number 16, October 1962**
The Maitland Bar nugget: H.F. Whitworth, 10-11.

**Volume 4, Number 17, November 1962**
Howlite: natural and stained: R. Webster, 10-11.

**Volume 4, Number 18, December 1962**
Confusion about synthetics: A.E. Alexander, 12.

**Volume 5 January 1963 - December 1963**
**Volume 5, Number 19, January 1963**
Imitation and treated turquoise: H. Lee, R. Webster, 7-13.

**Volume 5, Number 20, February 1963**
An unusual experiment with topaz: J. Ostwald, 5-6.
Imitation and treated turquoise (continued from January): H. Lee, R. Webster, 7-10.
Sorting diamonds by light, 11-12.
Research on opal, 14-15.

**Volume 5, Number 21, March 1963**
The gemstones and jewellery of prehistoric India: J. Ostwald, 5-7.
The pride of India: T.J. Brock, 8.
Green gold: R.B. Stokes, 9-10
Superstitious? The use of gemstones as healing agents, 11-12.

**Volume 5, Number 22, April 1963**
The measurement of colour and pleochroism in crystals and gemstones: J. Ostwald, 5-8.
Tooth turquoise — Odontolite: O. Mate, 9.

**Volume 5, Number 23, May 1963**
Ancient Greek gemstones and jewellery: J. Ostwald, 5-9.

**Volume 5, Number 24, June 1963**
Ruby and sapphire: R. Webster, 5-8.
Ancient jewelled craft: P. Oesterlin, 9-10.

**Volume 5, Number 25, July 1963**
Presidental address: Professor H.C. Bolton, 5-7.
Hungarian opal: O. Mate, 8-9.
Ruby and sapphire (continued from June): R. Webster, 10-11.

**Volume 5, Number 26, August 1963**
Etruscan gemstones and jewellery: J. Ostwald, 5-6.
Ruby and sapphire (continued from July): R. Webster, 7-8.
From rockhounds to rare gems in America: G.V. Axon, 9-10.
Colour of prase and chrysoprase: P.A. Males, 11-12.
Non-nucleated pearls now on the UK market: Retail Jeweller, 12.

Volume 5, Number 27, September 1963
Burmese gems: D.R. Walter, 5-8.
Crystals: D.R. Walter, 9-11.

Volume 5, Number 28, October 1963
Burmese gems (continued from September issue): D.R. Walter, 5-7.
A note on cancrinite: J. Ostwald, 10.

Volume 5, Number 29, November 1963
Pet aversions: S.J. Squires, 9.

Volume 5, Number 30, December 1963
Atoms in crystals: Professor H.C. Bolton, 5-12.

Volume 6 January 1964 - December 1964

Volume 6, Number 31, January 1964
An unusual colour pattern in precious opal from Andamooka: P.A. Males, 9.
Trace elements and colour in minerals and gemstones: G.J. Troup, 10-13.

Volume 6, Number 32, February 1964
Relics of the past: F. Dowding, 10-11.
The case of the missing gemmologist: G.V. Axon, 12-14.

Volume 6, Number 33, March 1964

Volume 6, Number 34, April 1964
Roman gemstones and jewellery: J. Ostwald, 10-11.

Volume 6, Number 35, May 1964
Crystals – Part 7 (triclinic): D.R. Walter, 5.
On the microstructures and origin of emerald: J. Ostwald, 7-10.

Volume 6, Number 36, June 1964
The origin and nature of Thunder Eggs: Professor W.H. Bryan, 5-9.
Quality of pearls, 11.

Volume 6, Number 37, July 1964
Fossicking for sapphires: V. Gorton, 5-8.
Trade and commodity notes: Australian gemstone industry, 9-10.
Idar-Oberstein: A.J. Breebaart, 10-11.
Emeralds are created, 13.

Volume 6, Number 38, August 1964
Two new synthetic emeralds: E.J. Gubelin, 5-11.
Diamonds under town, 14.
Synthetic quartz crystals in 21 days, 15.

Volume 6, Number 39, September 1964
Australia and gemmology: A.A. Wirth, 7.
Chrome diopside cat's eyes: G.A. Bruce, 8.
Jasper-opal associated with diatomite from Cooma, NSW: P.A. Males, 9-10.

Volume 6, Number 40, October 1964
Chalcedony and jasper from a pebble beach, Coalcliff, NSW: P.A. Males, 5-7.
Australia and gemmology: A.A. Wirth, 8.
Sodalite as a gemstone: J. Ostwald, 9-10.
The zoisite, 10-11.
Chrome diopside cat’s eyes (continued from September): G.A. Bruce, 12.

Volume 6, Number 41, November 1964
Presidential address: Professor H.C. Bolton, 5-6.
Quartz matrix opal: W. Funston, P.J. Darragh, A.J. Gaskin, 7-8.
Crystals, 9-10.
Artificially coloured diamonds, 11.
Chalcedony, 12.
Attention! Fabulite – Strontium Titanate, 13.

Volume 6, Number 42, December 1964
Mr & Mrs Y. Mikimoto in Australia, 10-11.
Gemmology – An ideal hobby for teenagers, 11-12.

Volume 7 January 1965 - December 1965

Volume 7, Number 43, January 1965
The opal, gem of mystery, 11.

Volume 7, Number 44, February 1965
Gemstones and gemmology, Corundum – Part 4: A.A. Wirth, 5-7.
Old diamond mine at Mittagong, NSW: G.A. Tombs, 8-9.
Matrix opal, Andamooka, SA: P.A. Males, 10-11.
Volume 8, Number 62, August 1966
Pirates at Agate Creek, 5-6.
Diamonds – A rise in price, 6.
The cultured pearl – Production methods: C. D. George, 7-10.
Colour banding in sapphire, 11.

Volume 8, Number 63, September 1966
The sapphire fields of Anakie: O. Andersen, 5-7.
The cultured pearl – Production methods: C.D. George, 8-10.
A new doublet (synthetic spinel & fabulite), 10.
New on the market (opal triplet), 12

Volume 8, Number 64, October 1966
Japan’s pre-eminence in pearl culture: C.D. George, 5-7.
Opal pseudomorphs and the candle-box trade
From ‘They Struck Opal’: F.E. Murphy, 10-13.

Volume 8, Number 65, November 1966
Japan’s pre-eminence in pearl culture (continued): C.D. George, 9-11.

Volume 8, Number 66, December 1966
The nature and origin of opal: P.J. Darragh, A.J. Gaskin, 5-9.
Go to Andamooka: G. Woods, 19-21.

Volume 9 January 1967 - November 1967

Volume 9, Number 67, January 1967
Iris-opal from Mexico: J. Sinkankas, 5-7.
Opalised 'steel band' from Lightning Ridge, 8.
Australia’s position in the pearl industry: C.D. George, 9-10.

Volume 9, Number 68, February 1967

Volume 9, Number 69, March 1967
Synthetic diamonds: H.C. Bolton, 5-10.

Volume 9, Number 70, April 1967
Nomenclature and trading Part 2: A.A. Wirth, 7-9.

Volume 9, Number 71, May 1967
The gemstones of America: G.V. Axon, 5-6.
Watch these green stones: J.H. Oughton, 12-13.

Volume 9, Number 72, June 1967
Geology and gemmology: Professor R.T. Prider, 6-10.
The GAA comes of age: M. Soklich, 11-12.

Volume 9, Number 73, July 1967
New light on the world’s rarest gem (taaffeite): M. Symons, 5-6.
Amethyst from Onslow, WA: H.F. Whitworth, 7.
Nomenclature and trading Part 3 (continued): A.A. Wirth, 9-11.

Volume 9, Number 74, August 1967
The origin of negative crystals in gemstones: W.F. Eppler, 6-11.
Nomenclature and trading Part 3 (continued): A.A. Wirth, 15-16.
Ceylonese jewellery through the ages: L.C. Siedle, 17-19.

Volume 9, Number 75, November 1967
Synthetic beryllia crystals: N.R. McDonald, 7-9.
A new taffeite discovered: G.A. Bruce, 14.
Nomenclature and trading Part 3 (continued): A.A. Wirth, 15-17.
Phosphorescence in Australian opal: P.A. Males, 18.

Volume 10 February 1968 - November 1970

Volume 10, Number 1, February 1968
Three generations of gem merchants in Ceylon: L.C. Siedle, 7-17.
Gems (a poem): N.P. Jamison, 17
Handling and care of gemstones: G.A. Tombs, 18.
The care and cleaning of jewellery: A. Clark, 19.
Nomenclature and trading Part 3 (continued): A.A. Wirth, 21.
Precious opal in an unusual environment: P. Males, 24.

Volume 10, Number 2, May 1968
Pegmatites and gem minerals: R.T. Prider, 7-10.

**Volume 10, Number 11, August 1970**

Yellow sapphire – Natural or synthetic: J.H. Oughton, 5-8.
Synthetic gem diamonds, 12.
Some recent advances in scientific understanding of gemstones: H.C. Bolton, 13-16.
Fingerprinting of jewellery: R. Webster, 17-23.
Stones seen: J.H. Oughton, 24-25.

**Volume 10, Number 12, November 1970**
The first gem quality synthetic diamonds grown by GEC scientists, 5-7.
Several simple tests can identify the man-made diamonds: R. Crowninghield, 7-9.
A case for international agreement about ruby: J.H. Oughton, 10-11.
What exactly is ruby?: P.B. Lapworth, J.H. Oughton, 11-14.
Ultimate gem authority, 26

**Volume 11 February 1971 - November 1973**

**Volume 11, Number 1, February 1971**
The spectroscope: measuring wavelengths without a built-in scale: H.A. Mortley, 3-4, 27.
A geological curiosity: C.A. Schiffmann, 5-8, 26.

**Volume 11, Number 2, May 1971**
Mineralogy and metallurgy of gold: H.W. Fander, 3-4.
Gemstones in the system BeO-MgO-A12O3: D.R. Hudson, 5-9.
The classification of black opal: N.S.W. Opal Research Group, 24.
GAA definition of black opal, 26.
The myth of the Geierstein opal: P.B. Lapworth, 27, 32.

**Volume 11, Number 3, August 1971**
More confusion with synthetic yellow sapphire: D. McColl, J.H. Oughton, 3-5.
Key for identification of common cut and uncut gemstones: D.R. Hudson, 6-7.
Diamonds from seawater: P.W. Leadbeater, 8-10.
Stones seen: J.H. Oughton, 26-27.

**Volume 11, Number 4, November 1971**
A problem in diamonds: R. Webster, 5-6.
Photomicrography without a camera: C. Lang, 7-12.
Discourse on valuation principles: G.A. Tombs, 13-16.
Black opal nomenclature: A. Kalokerinos, 16.
Reply to Dr Eulitz’s comment: S. Suzuki, 25-27.
Big WA emerald crystal: H.R. Perry, 29.

**Volume 11, Number 5, February 1972**
Rutilated quartz and ilmenite: P.A. Males, 3-4.
Another colour-changing sapphire: J.H. Oughton, 4.
Gemstones in the system BeO-MgO-A12O3-SiO2: D.R. Hudson, 5-7.
Brazilianite: R.J. Reeve, 8-10.
New occurrences of gem minerals in Australia: R.O. Chalmers, 10-12.
Labradorite location in central Queensland: J.H. Oughton, 12.
Red diamonds from Siberia: International Diamonds Annual, 14-20.
The Scandinavian diamond nomenclature: H. Tillander, 21-22.
Opal nomenclature discussion, 23-24.

**Volume 11, Number 6, May 1972**
Some experiences and investigations into damage to gem materials: R. Webster, 3-8.
Valuation principles as applied to coloured gemstones: G.A. Tombs, 9-14.
Are you sure it’s topaz?: F.H. Pough, 17-19.
Russian synthetic diamond made in 1967, 19.
Wrong to use Mohs to measure hardness?: The Canadian Jeweller, 20-22.

**Volume 11, Number 7, August 1972**
Why crystallography?: P.A. Males, 4-6.
The law and the role of gemmology: R. Webster, 7-16.
New mosaic triplet: S. Suzuki, 23, 32.

Volume 11, Number 8, November 1972
Inclusions in gemstones: E. Guebelin, 3-14.
Stones seen, 23-28.

Volume 11, Number 9, February 1973
Some archaic instruments in present day use: J.H. Oughton, 4-13.
Inclusions in opal: investigation of crystal inclusions in a black potch ‘nobby’ from Lightning Ridge, NSW: P.A. Males, 15-16.
What is this thing called hardness?: V.J. Hearnes, 16-17.

Volume 11, Number 10, May 1973
Amber, the gold of the North: E.R. Sasnaitis, 3-7.
Intriguing discoveries about growth in diamonds: S. Tolansky, 21-25.
Stones seen, 28-31.

Volume 11, Number 11, August 1973
Irradiation of gemstones: I.A. Mumme, 7-10.
Sapphire mining in New South Wales: A.A. MacNevin, 14-16.
Diamond prospecting: M.J. Lawrence, 22-29.

Volume 11, Number 12, November 1973
Gems of special importance in the great museum collections: H.J. Schubnel, 3-10.
Scanning electron microscopy and opals: R.A. Ball and A.S. Malin, 16-19.

A member of the ugrandite garnet series found in Western Australia: R.L. Burns, 19-20.

Volume 12 February 1974 - November 1976

Volume 12, Number 1, February 1974
Gemmology under difficulties: W. Gower, 3-4.
Gem quality kyanite crystals from the Harts Range, Northern Territory: P.A. Males, 5-8.
Stones seen and discussed, 9-10.
Ilimenite crystals associated with rutilated quartz, from Brazil: P.A. Males, 11-12.
Real synthetic alexandrite! & paramagnetic star diopside, 13.

Volume 12, Number 2, May 1974
Gemstones in and out of the Australian Museum collections: F.L. Sutherland, J.E. Hingley, 31-35.
“1925 … and all that”: B.W. Anderson, 36-41.
The jet age: Professor C. E. Marshall, 42-55.
Discussion on agate: R.A. Ball, 55.
Brazillian precious opal: P.A. Males, 56-57.

Volume 12, Number 3, August 1974
Short cuts to certainty: B.W. Anderson, 71-74.
A gemmological study of emerald from Poona, WA: J.M. Graindorge, 75-80.
‘Pilbara jade”: H.W. Fander, 80.
Synthetic diamonds: H.C. Bolton, 81-83.
Industrial diamonds: G.J. Gellie, 84-88.
Liesegang rings: R.A. Ball, 89-91.
Mexican onyx and other marbles: P.A. Males, 92-94.
Synthetic-like fluorescence in a natural sapphire: G. Tombs, 94.
Further comments on the double dispersion design: S. Suzuki, 95-97.

Volume 12, Number 4, November 1974
Treated stones: J.H. Oughton, 111-118.
A survey of some research work on impurities in gems: C.M. Scala, 119-124.
“Pilbara jade”: D.R. Hudson, 127-133.
The phantom table: P.W. Leadbeater, 135.
New mining legislation in New South Wales, 140.

Volume 12, Number 5, February 1975

The Australian Gemmologist 1958-2017 Contents
Emerald occurrence near Menzies, Western Australia: G.B. Whitfield, 150-152.
Classification and nomenclature of precious opal: N.A. Clayton, 152-154.
Precious opal in Queensland: B.R. Senior, 155.
The discovery of cap-quartz in northern NSW, Australia: R.E. Brown, 156-159.
Electromagnetic resonance in yellow sapphires: E.N. Barrington, 159-160.

**Volume 12, Number 6, May 1975**
Opal from Coolgardie, Western Australia: R.A. Ball, 171-173.
Stones seen in shop windows: L. Sabine, 191-192.

**Volume 12, Number 7, August 1975**
Chinaman’s hats: K.A. Sheens, 208-209.
Stones seen: K. Cronstedt, 209.
Crystallography is fun: J. & P. Sutton, 210-220.
Nephrite jade deposits, Cowell, South Australia: D. Nichol, 220-221.

**Volume 12, Number 8, November 1975**
On the origin of volcanic opal from Houghlahan’s Creek: I.A. Mumme, L. Seibright, R. Ball, 235-240.
Mineral collecting: W. Birch, 251-252.
Stones seen: L. Hennessy, C. Eglington, 258.

**Volume 12, Number 9, February 1976**
J.H. Oughton Memorial Issue
A tribute to John H. Oughton: R. Wolf, 264.
The late J.H. Oughton: P.B. Lapworth, 265-266.
The direct vision spectroscope: J.H. Oughton, 276-282.

**Volume 12, Number 10, May 1976**
Ruby corundum from the Harts Range, NT: P.A. Males, 310-312.

**Volume 12, Number 11, August 1976**
Calculating radio radiopacity: H. Magryn, 323-326.
Indonesian opal: B. O’Leary, R.A. Ball, 327-329.
Stones seen, 330.
Horn – Some aspects of interest to gemmologists: G. Brown, 331-338.

**Volume 12, Number 12, November 1976**
Opal in south western Queensland: R.A. Ball, A. Daniels, 359-363.
Two interesting zinc minerals: M.J. O’Donoghue, 364.
Emeralds – Three for $1.50: B. Chambers, 365-370.

**Volume 13, Number 1, February 1977**
Black opal: B. O’Leary, 3-11.
GIA debuts new educational centre, 19.
The geology of the moon: A.J.W. Gleadow, 22-27.

**Volume 13, Number 2, May 1977**
The ‘jeweller’s eye’: R. Webster, 43-46.
Drought bonanza for prospectors, 46.
The structural characteristics of various ivories: G. Brown, A.J. Moule, 47-60.
Did you know?, 62-64.

**Volume 13, Number 3, August 1977**
A goldsmith’s workshop in Roman Britain: P.A. Clayton, 67-69.
Paste or glass: J. Snow, 71-74.
How to buy a pearl: E. Kihara, 75-77.

**Volume 13, Number 4, November 1977**
Natural or synthetic opal?: R.A. Ball, 104-105.
Viking treasures, 120.
That looks interesting, let’s put it under the microscope: D. Smith, 121-126.
The atomic lattice of gold: Gold Bulletin, 127.

Volume 13, Number 5, February 1978
Identification of synthetic opal: R.A. Ball, 131-133.
The burinut - A new source of vegetable ivory: G. Brown, 134-140.
Why a diamond?: Adams, 141-143.
From Russia with ‘kimberlite’: Retail Jeweller, 150.
Opium dealers are switching to jade, Retail Jeweller, 153-155.
Imitation opal: R.A. Ball, 156-158.
The first tool of gemmology won’t cost you a penny: W.D. Hanneman, 159-160.

Volume 13, Number 6, May 1978
A question of colour: A. Farn, 163-165.
New diamond simulant may fool the unwary: A. Hodgkinson, 165-168.
Coral returns to fashion: Retail Jeweller, 169-171.
Notes on sapphires from stream gravels at Frazer’s Creek in Glen Innes area, NSW: I.A. Mumme, R.A. Ball, 173-175.
Gamma-ray spectrophotometry (corundum), 176.
The Little River sapphire lease: I.A. Mumme, 177-179, 182-185.
Heat treatment of Australian blue sapphires: G.A. Tombs, 186-188.

Volume 13, Number 7, August 1978
The refractory metamorphic gemstones of Australia: A.F. Wilson, 203-209.
A note on the structure of the fire agate: R.A. Ball, 210-211.
Historical diamonds: De Beers consolidated Mines, 220-221.
The star of Sierra Leone: De Beers Consolidated Mines, 222-224.
Irradiation of gemstones: I. Mumme, 236.
The production of interference by the Figure-O-Scope: J. Snow, 237.
The identification of some rare organic gem materials: G. Brown, 238-239.

Volume 13, Number 8, November 1978
Before the gems came the crystals: A.E. Alexander, 247-250.
Crystal imperfections in natural gem diamond: P.R.W. Hudson, 253-258.
Gemmological literature you should read: G. Brown, 261-262.
The colouration of Mt. Surprise topaz by gamma irradiation: I.A. Mumme, L. Seibright, 274-277.
How to feel the difference between a diamond and a cubic zirconia: H. Anderson, 285-286.

Volume 13, Number 9, February 1979
Rhodonite or pink jasper: R.B. Kelly, 291-295.
Porous Gilson synthetic black opal: A.D.C Robertson, 297-299.
The use of the Figure-O-Scope in gemmology: J.J. Snow, 301-306.

Opal references and abstracts - Part II: R.A. Ball, N. Clayton, 307-310.

Volume 13, Number 10, May 1979
Why sapphires from Sri Lanka differ from those from Australia: A.F. Wilson, 315-317.

Designed to detect Djevalite: Retail Jeweller, 317-318.
Amethyst – Natural or not?: R.A. Powell, 321-323.
Production of zirconia and other synthetic gem materials by the ‘skull’ melting technique: I.A. Mumme, 333-334.

Opal references and abstracts - Part II (continued): R.A. Ball, N. Clayton, 334-336.

Volume 13, Number 11, August 1979

Opals from the air: Uniken, 362.

Opal references and abstracts - Part II (continued): R.A. Ball, N. Clayton, 363-366.

Volume 13, Number 12, November 1979
Natural and radiation induced colouration of smoky quartz: R. Powell, 373-378.
Sapphire and silk: R.A. Ball, I.A. Mumme, 379-381.
Synthetic opal for natural opal!: R.A. Ball, 386.
An unusual agate: R.A. Ball, 390.
Corallium precious corals: G. Brown, 391-400.

**Volume 14 February 1980 - November 1982**

**Volume 14, Number 1, February 1980**
Pleochroscopes - Their theoretical and practical application to gemmology: J.B. Taylor, 3-12.

**Volume 14, Number 2, May 1980**
Modern methods of gemstone colouration: I. Mummme, 10-11.
The determination of the maximum and minimum refractive indices of a gemstone: W.H. Thompson, 13-15.
The opal – Gem of mystery, 18-19.

**Volume 14, Number 3, August 1980**
Gill’s index: E. Gubelin, 27.
The radiographic features of Keshi pearls: G. Brown, 28-29.
Natural and man induced irradiation of diamond - Possible identification between irradiation types: G.A. Tombs, 30-32.
Thermal conduction in gemstones – Part 1: Oscillations induced by dry ice: R. Thwaite, J. James, S. Goldsmid, 47-48

**Volume 14, Number 4, November 1980**
Nephrite jade from Cowell, South Australia: R.A. Ball, 53-56.
Metamorphic processes in gemstone formation: A.F. Wilson, 57-63.
Further thoughts and questions on Australian sapphires, their composition and treatment: G. Tombs, 64-65.

**Volume 14, Number 5, February 1981**
How it works: The Stott dichroscope: C.R. Stott, 85-86.
Stones seen, 86.
Examination of a prehnite cat’s eye: G. Brown, J. Snow, 93-96.
Examination of two limori imitations: G. Brown, J. Snow, 100-105.

**Volume 14, Number 6, May 1981**
Where have all our answers gone? Or let me introduce you to Gill’s Index: J.O. Gill, 117-119.
Chrysocolla - A little known gemstone: A.D. Robertson, 127-129.
Examination of a fossil pearl: G. Brown, 131-134.
Some observations on goldstone: G. Brown, J. Snow, 139-140.
The determination of the maximum and minimum refractive indices of a gemstone (continued): W.H. Thompson, 142-143.

**Volume 14, Number 7, August 1981**
The Biwa pearl: G. Brown, 153-156.
Reflections on the use of the hand spectroscope: G.M. Pearson, 157-159.
Stones seen: Amber Inclusion, 160.
Jelly opal from White Cliffs: J.V. Sanders, 161-165.

**Volume 14, Number 8, November 1981**
So you think you have a new mineral!: E.H. Nickel, 181-184.
Determination of refractive indices: H.C. Wickett, 194.
SWUV diaphanity of ruby: G. Brown, 200-203.
Volume 14, Number 9, February 1982
'Star' diamond: P. Humble, 219-220.
The golden jubilee of the GAGB: P.B. Lapworth, 220-221.
White nephrite: R.A. Ball, L. Hennessy, 228-229.

Volume 14, Number 10, May 1982
Chudleigh Park peridot: G. Brown, H. Bracewell, 253-256.
Further studies on iridescence of marine shells: R.A. Ball, 266-271.

Volume 14, Number 11, August 1982
Identifying turquoise: G. Brown, 289-299.
Common opal and potch opal: R.A. Ball, 305-310.

Volume 14, Number 12, November 1982
Honey opal: R.A. Ball, 324-325.
Examination of an unusual item of 'native' jewellery: G. Brown, J. Snow, D. Lund, 334-337.
The quartz minerals of the Redcliffe Peninsula: J.N. Butler, 338-341.
The approximate iron content of some sapphires: G. Pearson, 347-349.

Volume 15 February 1983 - November 1985
Volume 15, Number 1, February 1983
Elucidating the optical theory of chatoyancy and asterism: A. Wuthrich, M. Weibel, E. Gubelin, 3-5.
Harts Range hessonite: H. Bracewell, G. Brown, 6-10.
Precious opal from New Zealand: R.A. Ball, 12-16.

Volume 15, Number 2, May 1983
X-Irradiation of spodumene: G. Pearson, 45.
Gem azurite from the Eclipse mine – Chillagoe area, Queensland: A.D. Robertson, 46-49.
Mt Isa iolite: G. Brown, H. Bracewell, 53-55.

Volume 15, Number 3, August 1983
Certification of opal: G. Sherman, 71-73.
A proposal for the classification of opals: J.V. Sanders, 75-78.
The assessment of gemstone colours: G. Brown, 81-89.

Volume 15, Number 4, November 1983
Twenty-five years on: J.R. Holdsworth: 103.
Direct x-radiography of pearls: G. Brown, 105-121.
Diamond grading system foundations and comparisons: G. Tombs, 124-127.

Volume 15, Number 5, February 1984
Inclusions in synthetic corundum by Chatham: G. Brown, 149-154.
Negative inclusions in zircon from Anakie, Queensland: A.D. Robertson, 164,166.

Volume 15, Number 6, May 1984
Experimental pearl radiography: G. Brown, N. Wainwright-Smith, 182-188.
Turquoise or chrysocolla from the Jervois area: H. Bracewell, G. Brown, 189-195.
The Seward gemmological microscope: G. Brown, 196.
Volume 15, Number 7, August 1984
Emerald from the Kitwe district, Zambia: G. Graziani, E. Gubelin, S. Lucchesi, 227-234.
Stones seen – Mystery cabochons: D. Sandeman, 240.

Volume 15, Number 8, November 1984
Facetable prehnite: R. Beattie, G. Brown, 258.
The Snow gemmological spectroscope: G. Brown, 259-262.
Harts Range sunstone: G. Brown, H. Bracewell, 263-274.
Surface repaired rubies: R.W. Hughes, 279-280.

Volume 15, Number 9, February 1985
Recording gemstone absorption spectra: G. Brown, 308-309.
Synthetic or imitation: G. Brown, 319-321.

Volume 15, Number 10, May 1985
Properties of ornamental stones and their gemmological identification: E. Gubelin
1. The hardness scale, 337
2. Streak colours, 338
3. Absorption spectra, 342
4. Fluorescence colours, 344
5. The Becke Line test, 347
6. The identification tables arranged in colour groupings, 348
7. Cryptocrystalline quartz varieties, 382
8. Serpentine group properties, 386.

Volume 15, Number 11, August 1985
Amazonite from the Koppio District, South Australia: H. Bracewell, G. Brown, 404-408.
Australian ideal design: Comments by G. & M. Vargas, 421-424.

Volume 15, Number 12, November 1985
Jade: G. Tombs, 445-447.
Nummite: O. Dragsted, 461.

Volume 16 February 1986 - November 1988
Volume 16, Number 1, February 1986
The hardness of Australian diamonds: C.R. Baker, 11-12.
Presidium DiaMeter: G. Brown, 17.

Volume 16, Number 2, May 1986
The Proceedings of the 20th IGC, Sydney - Part 1
Examination of surface features of Argyle diamonds from Western Australia: G.A. Tombs, B. Sechos, 41-44.
Opal from Mexico: E. Gubelin, 45-51.
Review of the geology of the gemstones of Sri Lanka: M.B. Katz, 52-56.
Minerals and gemstones of Pakistan: C. Kovak, 57-59.
Gemstones in China – Especially jade and similar stones: A. Chikayama, 60-63.
Abstracts - Part 1, 80-83.
Volume 16, Number 3, August 1986
The Proceedings of the 20th IGC, Sydney - Part 2
Production techniques of commercially available gem rubies: K. Schmetzer, 95-100.
Gemstones of the Beechworth area: W.D. Birch, 101-106.
Abstracts - Part 2, 116-121, 128-129.
Inclusions in Australian sapphire before and after heat treatment: T.S. Coldham, 122-125.

Volume 16, Number 4, November 1986
An unusual Keshi pearl: G. Brown, 139-140.
Hollandite in quartz: J.I. Koivula, C.W. Fryer, 141-142.
Opal pineapples from White Cliffs: G. Pearson, 143-150.
Boulder opal triplet: R. Brightman, D. Sandeman, 151-152.
The gemmology of the shell cameo: G. Brown, 153-161.

Volume 16, Number 5, February 1987
Some more on crystal opal: B. O'Leary, 175-177.
Structural aspects of fingerprint inclusions in corundum: Tay Thye Sun, 188-190.
Miscellany: jet; plastic imitation Biwas; Australian colour-changing sapphire; Orissa garnet; Australian synthetic opal: G. Brown, J. Snow, S.M.B. Kelly, 195-198.

Volume 16, Number 6, May 1987
Presidential address to conference: G.A. Tombs, 211-212.
A system for the evaluation of opal: Capt. S.O. Haugen, 213-216.
Inclusions in yellow chrysoberyl, natural and synthetic alexandrite: U. Henn, 217-220.
The origin of sapphire in northeastern NSW: S.R. Pecover, 221.
The structure of sedimentary opal: Editor, 222.
Notes on Tasmanian gemstones: C. Thrower, D. Steane, 223-224.
Pink and violet sapphires from Nepal: L. Kiefert, K. Schmetzer, 225-230.
Resin bonded malachite: R. Brightman, M-L. Willheim, 239-240.

Volume 16, Number 7, August 1987
The plastic coating of gemstones: R.W. Hughes, 259-261.

Volume 16, Number 8, November 1987
Review of jade in South Australia: J.G. Olliver, 283-28286
 LWUV fluorescence of gemstones: J. Snow, G. Snow, 296-300.

Volume 16, Number 9, February 1988
Argyle champagne diamonds: G. Brown, 319-322.
Precious opal at Coober Pedy: R.S. Robertson, D.C. Scott, 323-327.
Diagnostic properties of the latest synthetic stones: E. Gubelin, 329-341, 344-345.
Manganoan sugilite: G. Wigmore, 351.

Volume 16, Number 10, May 1988
Presidential address: G.A. Tombs, 359
Numerical approach to gem identification: H.S. Pienaar, 374-378.

Volume 16, Number 11, August 1988
Verneuil sapphire with induced fractures: G. Brown, 419-421.

Volume 16, Number 12, November 1988
Gems around Australia: H. Bracewell, 459-463.
The gemstones of Pakistan: R.J. Thompson, 471-472.
Specular heat-treated garnet: D. Friedman, 477.
The Pool emerald: W. Hicks, 478-479.

Volume 17 February 1989 - November 1991
Volume 17, Number 1, February 1989
Optronix® gemmological instruments: J. Snow, G. Brown, 3-4.
The discovery of a new emerald occurrence in Brazil, Capoeirana: D. Schwarz, 4-5.
The mining of sapphires: T.J. Nunan, 7-12, 18-19.
Greenbushes spodumene-quartz: G. Brown, H. Bracewell, 14-17.

Volume 17, Number 2, May 1989
Colour of chrysoprase in the light of mineralogical studies: W. Heflik, B.
Gems around Australia (Mt Isa), Part 2: H. Bracewell, 60-62, 64.
The Snow diamond light: G. Brown, 63.

Volume 17, Number 3, August 1989
Mourning jewellery: J.C. Birmingham, 82-84.
The characteristics of Burmese spinel: U. Tin Hlaing, 84-87.
A gemmological study of ‘Opalite’ and ‘Opal Essence’: J.I. Koivula, R.C. Kammerling, 93-98.
Dayboro variscite: G. Brown, 98-100.

Volume 17, Number 4, November 1989
Jack Snow Memorial Issue
Introduction to the Memorial issue: G. Brown, 117.
Using the spectroscope: S.M.B. Kelly, 118-119.
Economical microscopes for gemmologists: T. Linton, G. Brown, 120-121, 156-158.
The use of the Figure-O-Scope in gemmology (Reprint): J.J. Snow, 122-126.
Wave Hill prehnite: H. Bracewell, 127-129.
Artistry through the microscope: J.I. Koivula, 139-141.
The use of isotopes in exploration for gemstones: A.F. Wilson, 142-146, 166.
Some rare gemstones: M. O'Donoghue, 147.
A synthetic by any other name: P. Read, 153-156.
Talkin’ bout gem-testing instruments: R. Hughes, 159-164.

**Volume 17, Number 5, February 1990**

New aspects of the emerald workings in Colombia: D. Schwarz, 168-170.
A dark-field illuminator for gemmological microscopes: T. Linton, G. Brown, 171-172.
An interesting cultured blister pearl: R.C. Kammerling, J.I. Koivula, R.E. Kane, 174-175.
A Kenyan gem feldspar: C.R. Bridges, G. Graziani, E. Gubelin, 177-183.
Knirschka-created rubies: G. Brown, S.M.B. Kelly, 199-204.
Rare-earths: T. Troiani, 235-236.
Talkin’ bout gem testing instruments Part II: R.W. Hughes, 242-246.

**Volume 17, Number 6, May 1990**

Biron® synthetic pink beryl: G. Brown, 219-221.
Gemmology study club lab reports: G. Brown, 221-230.
Rare-earths: T. Troiani, 235-236.
Talkin’ bout gem testing instruments Part II: R.W. Hughes, 242-246.

**Volume 17, Number 7, August 1990**

Some rare ivories: G. Brown, 256-262.
Gems around Australia - Part III (Northern Territory): H. Bracewell, 265-269.
Myanmar diamonds from north to south: U. Tin Hlaing, 278.

**Volume 17, Number 8, November 1990**

Multiple chatoyancy in Australian sapphire: G. Pearson, 296-298.
ESR spectrum of Australian synthetic Biron emerald: D.R. Hutton, G.J. Troup, 299-301.
Presidium® DiaMeter™ - System Berger: T. Linton, G. Brown, 301-303.
Queensland chrysoprase: N.J. Krosch, 303-306.
Chrysoprase from Goias, Brazil: R.C. Kammerling, J.I. Koivula, 313-315.

**Volume 17, Number 9, February 1991**

Gems around Australia – Part IV: H. Bracewell, 377-379.

**Volume 17, Number 10, May 1991**

Quality assessment: G. Brown (Presidential Address), 393-396.
Tourmalines from Western Australia: B.J. Darby, 405-408.

Volume 17, Number 11, August 1991
Review of a new theory on emerald formation: J.L. Keeling, 440-442.
Comparisons between Kenyan, Australian and Sri Lankan sapphires: G. Tombs, 446-449.
Queensland sapphire: N.J. Krosch, W. Cooper, 460-464.
Synthetic red spinel: A. Hodgkinson, 466-468.
The Shibuya 150 refractometer: T. Linton, G. Brown, 468-469.
Gem quality almandine garnets from Antarctica: R. Brightman, 470-473.

Volume 17, Number 12, November 1991
Australian emeralds: D. Schwarz, 488-497, 501.
Gems around Australia - Part 6 (Broome): H. Bracewell, 502-503.
Hydrothermally synthesized agate-like crystals: M. Hosaka, 503-504.
Burma-type rubies from Vietnam: U. Henn, 505-509.
New Myanmar ruby deposit: U. Tin Hlaine, 509-510.
Queensland sapphire Part II: N.J. Krosch, W. Cooper, 511-515.
Gemmology study club lab reports: G. Brown, S.M.B. Kelly, H. Bracewell, 526-531.

NEW FORMAT
Volume 18 February 1992 - November 1994

Volume 18, Number 1, February 1992
Trade embargo on coral: G. Brown, 5-6.
The Mintabie opal field: I.J. Townsend, 7-12.

Volume 18, Number 2, May 1992
The care and cleaning of gem materials: M. Stather, 34-38.
Robotic opal cutting: A. Cody, 40-41.
Greenstone from Myanmar: U. Tin Hlaine, 42.
Torrington emerald: G. Pearson, 47-49.
Material loss when sawing gem diamond: Y. Kerremans, E. Wanten, 49-51.
Bead buyer’s and parcel picker’s filter set: T. Linton, G. Brown, 54-55.
Gem Study Club Report, 56-60.

Volume 18, Number 3, August 1992
Sapphires and rubies from volcanic provinces: R.R. Coenraads, 70-78.
Spectroscopic study of Biron synthetic pink beryl: E. Fritsch, S. Muhlmeister, A. Birkner, 81-82.
Imitation lapis lazuli, charoite and azurite-malachite: D. Bennett, J.I. Keeling, 83-84.

Volume 18, Number 4, November 1992
The Australian sapphire industry: T.S. Coldham, 104-107.
Scapolite from Sinjiang Region, west China: Zhang Pelli, 115-117.
The carat: R. Hannaford, 117-118.
Rhodochrosite from Argentina: J.A. Saadi, J.C. Grasso, 125-132.

Volume 18, Number 5, February 1993
Uvarovite from Outokumpu, Finland: U. Henn. H. Bank, 142-144.
Determination of the weight of a set stone by hydrostatic weighing: R.K. Mitchell, 143-144.
Composite imitation of crystal opal: R.C. Kammerling, J.I. Koivula, 162-164.
Shan states sapphires: U. Tin Hlaine, 164.
Gem Study Club Report, 169-173.
Volume 18, Number 6, May 1993
Gems around Australia: H. Bracewell, 193-194.

Volume 18, Number 7, August 1993
Unusual twinning in natural and synthetic amethyst: U. Henn, 222-224.

Volume 18, Number 8, November 1993
Memorial W.H. Hicks, 246.
Australian synthetic periclase: G. Brown, 265-269.

Volume 18, Number 9, February 1994
Introducing ESR/EPR spectroscopy to gemmology: D.R. Hutton, G.J. Troup, 278-279.
The pearl industry in Queensland and Torres Strait: T. Ward, 282-284.
A garnet location at Mt. Wyangapinny, near Pittsworth, on the Darling Downs: D.N. Cracknell, 285-286.

Volume 18, Number 10, May 1994
Bill Hicks Memorial Issue – Part 1: In appreciation, 310.
The name game: R.W. Hughes, 311-315.
A combined magnetic resonance and gamma-irradiation study of some green beryls: D.R. Hutton, G.J. Troup, 315-317.

Volume 18, Number 11, August 1994
Bill Hicks Memorial Issue - Part 2
The origin, formation and emplacement of diamonds: M. Stather, 342-345.
Radiolucency of diamond and its simulants: R. Coates, 348-351.
Hsa-Taw green tourmaline: U. Tin Hlaing, 352-353
A new type of synthetic ruby from Russia: U. Henn, 362-364.

Volume 18, Number 12, November 1994
Opal – Australia’s national gemstone: A. Bartram, 374-376.
1994 Patron’s Address: G. Tombs, 378.
Fracture filled diamonds: B. Secho, 379-385.
Gemlite™ polariscopes: T. Linton, B. Neville, A. Shields, 386-387.
Tahiti cultured pearl: M. Coeroli, 388-394.

Volume 19, Number 1, January-March 1995
A brief account of Myanmar's pearl culture industry: Tint Tun, 2-4.
Jemeter™ Digital 90: T. Linton, A. Shields, B. Neville, 8-10.

Volume 19, Number 2, April-June 1995
New extension of Mong Hsu ruby deposit: U Tin Hlaing, 51.
A brief history of heat: R.W. Hughes, 52-54.
Heat treating sapphires from the Anakie District, Australia: T. Themelis, 55-60.
Gemmological miscellany, 61-64.

Volume 19, Number 3, July-September 1995
50th Jubilee issue
This issue contained the following papers of historical interest with respect to The Gemmological Association of Australia.

Introduction
History of the GAA: G.A. Tombs
History of the GAA (NSW Division): G.A. Tombs
Gemmstones of New South Wales: R.R. Coenraads
History of the GAA (Victorian Division): W.E. Funston
Gemmstones of Victoria: T. Troiani
History of the GAA (Queensland Division): D.G. Sanderson
Gemmstones of Queensland: A.F. Wilson
History of the GAA (SA Division): A. Hill
Gemmstones of South Australia: I.J. Townsend
History of the GAA (WA Division): B. Taylor, F. Parker
Gemmstones of Western Australia: F. Parker

History of the GAA (Tasmanian Division): T.C. Roper, P. Walker
Gemmstones of Tasmania: B. Sweeney
Pearls of Australia: D. O'Sullivan, D. Cropp, O. Bunter
History of The Australian Gemmologist: G. Brown
Epilogue

Volume 19, Number 4, October-December 1995
Amethysts and their occurrences: H. Bank, C.C. Milisenda, 175-177.
Notes from a Singaporean laboratory: Tay Thye Sun, 178-181.
The hazardous effects of refractometer contact fluid – A note: T. Linton, 185.

Volume 19, Number 5, January-March 1996
Warrierite A new black tourmaline gemstone from Western Australia: J.G. Olliver, M. Thompson, 210-214.
Agate Creek agate: P. Howard, 215-220.
Australian (1.81) refractometer fluid: T. Linton, B. Neville, 221-223.
1994 gemstone production in the Northern Territory: NT Department of Mines & Energy, 224-225.

Volume 19, Number 6, April-June 1996
The status of pearl culture in Indonesia: T. Winanto, K. Mintardjo, 245-249.
Gemmological miscellany: G. Brown, 259-263.
Interesting gems from north-east Tasmania: B. Sweeney, 264-267.
Mong Hsak rhodolite garnet: U Tin Hlaing, Tin Tin Win, 270-272.
Notes from the Museum: G. Webb, 273-274.
Volume 19, Number 7, July-September 1996
Electrum in Antiquity: Why was one word used for two substances?: J. Saul, 285-287.
Measurement of refractive index by the apparent depth method: D. Bennett, 292-294.
The true story of White Cliffs: G. Rowe, 295-300.
Lab notes: B. Sechos, G. Brown, 301-302.

Volume 19, Number 8, October-December 1996
Combarbalitá: An ornamental kaolinite from Combarbalá, Chile: R.R. Coenraads, 325-334.
The Empress Pearl© - A New Zealand cultured half-pearl: L. McKenzie, 336-338.

Crystal carving and other esoteric things: F.H. Thrupp, 351-352.

Volume 19, Number 9, January-March 1997
Tasmania and Antarctica: A long association: P.G. Quilty, 368-374.
Abalone pearls from Brass Strait: D. Cropp, 375-379.
An occurrence of gem quality diopside, Yinnietherarra Station, Western Australia: F. Doedens, 380-382.

Identifying characteristics of hydrothermal synthetics: B. Sechos, 383-388.

Volume 19, Number 10, April-June 1997
The pearl fisheries of Sri Lanka – Some chapters from a forgotten history: M.M.M. Mahroof, 405-412.
Fibre torches: B. Neville, 413-414.
Yttrium Aluminium Perovskite: T. Linton, 419-420.

The Merlin Prospect – Australia's next commercial diamond mine?: Ashton Mining Limited, 421.

Volume 19, Number 11, July-August 1997
Alexandrite chrysoberyl from Dowerin, Western Australia: Revisited: A. Bevan, P. Downes, 460-463.

Volume 19, Number 12, October-December 1997
A new era for opal nomenclature: A. Smallwood, 486-496.
A miscellany of organics: G. Brown, 503-506.
Corundum (ruby) from the Karen State, Myanmar: A note: U Tin Hlaing, 507-508.


Volume 20, Number 1, January-March 1998
Pearl identification: S.J. Kennedy, 2-19.

Volume 20, Number 2, April-June 1998
New occurrence of demantoid in Namibia: Th. Lind, U. Henn, H. Bank, 75-79.

**Volume 20, Number 3, July-September 1998**

Touring the diamond factories of Amsterdam: A. Barnard, 98-101.
The Hodgkinson method, a.k.a. The eye and prism method: Clarifying the records: W. Wm. Hanneman, 102-104; Reply: D.B. Hoover, 104-105.
Treated blue diamond: B. Sechos, 124.
Cat's-eye black opal: M.S. White, 126.

**Volume 20, Number 4, October-December 1998**

Has science overthrown the king of gems?: A. Barnard, 138-140.
The Idar-Oberstein gemstone industry's 500th anniversary: H. Bank, 141-144.
Alaskan jade: P. Howard, 149-153.
Scottish Gem Lab news: A. Hodgkinson, 154-158.
Alexandrite, emerald, ruby, sapphire and topaz in as biotite phlogopite fels from Poona, Cue District, Western Australia: G. Grundmann, G. Morteani, 159-167.

**Volume 20, Number 5, January-March 1999**

How to make an appraisal of jadeite: C.M. Ou Yang, 188-192.
Newopal carving factory at Khao Yai, Thailand: R.R. Coenraads, P.E. Elmer, 198-201.
Origin of sapphires from the Jizerská Louka alluvial deposit in north Bohemia, Czech Republic: P. Malíková, 202-206.

**Volume 20, Number 6, April-June 1999**

Geozoological prospecting for gold and gems: D.M. Colchester, 218-221.
Refractions and the pin-hole disc: T. Linton, 227-229.
LH - an "old" Gemmological Property: W. Wm. Hanneman, 236-238.
Gemstones in a new light: A. Hodgkinson, 246-249.

**Volume 20, Number 7, July-September 1999**

Characterisation of recent and fossil ivory: V. Rolandi, 266-276.
The nomenclature of gemstones with special reference to the garnet and tourmaline mineral groups: E.L. Stevens, 277-279.
Ruby and variously coloured sapphires from Ilakaka, Madagascar: K. Schmetzer, 282-284.
Ekati – Canada's first commercial diamond mine: An editorial review, 293-297.
Tester Model 590 for colourless moissanite/diamond: V.M.F. Hammer, J. Stefan, 298-301.

**Volume 20, Number 8, October-December 1999**

The visible absorption spectroscopy of emeralds from different deposits: I.I. Moroz, M.L. Roth, V.B. Deich, 315-320.
Verneuil synthetic corundums with induced "fingerprints": J. Free, I. Free, G. Brown, T. Linton, 342-347.
Our past history: Statement respecting the opal industry at White Cliffs: T.C. Wollaston, 347-348.

**Volume 20, Number 9, January-March 2000**


In defence of gemmologists – A different view on nomenclature: W. Wm. Hanneman, 370-373.

A warning – Beware of 1.815 refractometer contact fluid: T. Linton, 373.


A new deposit of smoky quartz crystals from the Torrington area: H. Bracewell, 388-390.

Rare Australian gemstones – stichtite: R.S. Bottrill, G. Brown, 391-393.


**Volume 20, Number 10, April-June 2000**


Caveat Emptor: F.H. Thrupp, 436.


**Volume 20, Number 11, July-September 2000**

Present Russian synthetic and enhanced gemstones: V.S. Balitsky, 458-466.

Diffraction colours of opal: M. Ostrooumov, H.A. Talay, 467-472.


Surface reflectivity of synthetic moissanite: T. Linton, 478.

Chiastolite from Kyaukse, Myanmar: U Tin Hlaing, 479-480.

Unusual inclusions in quartz: J.I. Koivula, 481-482.


Chinese pearls: Their culturing and trading: Guo Tao, 486-490.

**Volume 20, Number 12, October-December 2000**

Dispersion measurement with the gemmologist’s refractometer - Part 1: D.B. Hoover, T. Linton, 506-516.


Rare Australian gemstones – Moonstone, A rare Queensland gemstone: H. Bracewell, 523-528.

Russian colourless synthetic diamond, now available in the market: J.C.C. Yuan, 529-533.

Australia’s gemstone resources and their markets: G. Brown, 534-539.

**Volume 21 January-March 2001 – October-December 2003**

**Volume 21, Number 1, January-March 2001**

Tourmaline and aquamarine deposits from Brazil: J. César-Mendes, H. Jort-Evangelista, R. Wegner, 3-6.


Brazilian gem provinces: C.P. Pinto, A.C. Pedrosa-Soares, 12-16.


Origin of gem corundums from basaltic fields: F.L. Sutherland, D. Schwarz, 30-33.

The geology of Australian opal deposits: I.J. Townsend, 34-37.

View point – Much ado about nothing: W. Wm. Hanneman, 38-40.

**Volume 21, Number 2, April-June 2001**


The gemstone occurrences of Madagascar: U. Henn, C. Milisenda, 76-82.


Ornamental variety of pink marble with apatite found near Eppawala, Sri Lanka: M.D.P.L. Francis, P.G.R. Dharmaratne, 91-94.

Volume 21, Number 3, July-September 2001
Gemstones of Minas Gerais, Brazil: I.J. Townsend, 111-112.
Exploration for diamonds in South Australia: K. Wills, 113-115.
The gem emporium in Myanmar: U Tin Hlaing, 117-119.
An overview of China’s pearl industry: Hao Xie, Liping Li, 120-123.
Notes from the Museum focusing on travertine: G. Webb, 124.
Ti-Fe mineral inclusions in star sapphires from Thailand: S. Saminpanya, 125-128.

Volume 21, Number 4, October-December 2001
Dispersion measurement with the gemmologist’s refractometer – Part 2: D.B. Hoover, T. Linton, 150-160.
Rare Australian ornamental materials – Zebra rock an ornamental stone from the East Kimberley, Western Australia: A.W.R. Bevan, 165-168.
Staurolitite from the Lai Hka and Mong Keng areas, Myanmar: U Tin Hlaing, 169-170.

Volume 21, Number 5, January-March 2002
Five centuries of Mexican pearls: D. McLaurin Moreno, E.A. Castillo, 190-201.

Volume 21, Number 6, April-June 2002
The magnetic index: W.Wm. Hanneman, 234-235.
Louisiana opal: G. Brown, 244-246.
Recent observations on composite stones: U. Henn, 253-257.

Volume 21, Number 7, July-September 2002
Classification of natural opal Type 1: J. Schellnegger, 270-277.
New imitation gemstones from Australia: G. Brown, T. Linton, 283-287.
Orange sapphires or just lemons?: T. Coldham, 288-293.

Volume 21, Number 8, October-December 2002
Update of Australia’s gemstone and pearl resources: G. Brown, 273-277.
Colour in quartz: From atomic substitutions to nanoincclusions: P. Vasconcelos, B. Cohen, N. Calos, 278.
The processing and heat treatment of Subera (Qld) sapphire rough: M. Maxwell, 279-286.
The mystery about coloured diamonds: C. Carrington, 295-298.
Agate Creek agates: P Howard, 299-300.

Volume 21, Number 9, January-March 2003
Morphology of diamond crystals from the Bingara Range, Northern New South Wales, Australia: J.D. Hollis, 350-359.
A compilation of infrared absorption spectra of some specific gemstones: S. Fernandes, M. Khan, G. Choudhary, 361-367.
Genesis and gemmology of sapphires from the Nezametnoye deposit, Primorye Region, Russia: A. Khanchuk, B. Zalishchak, V. Pakhomova, E. Odarichenko, V. Sapin, 369-375.

Volume 21, Number 10, April-June 2003
Limitations of the pavilion depth - Rapid sight estimates method: G. Holloway, 400-403.
Relationship between the Groove density of the grating structure and the strength of iridescence in mollusc shells: Y. Liu, K.N. Hurwit, L. Tian, 405-407.
An unusual crystal from the central Queensland sapphire fields: R. Beattie, 408.


Large OPL™ diffraction grating spectroscope: T. Linton, A. Cumming, K. Hunter, 410-412.

Diamond cut grading based on red reflection instruments: T. Linton, G. Holloway, 413-419.

Volume 21, Number 11, July-September 2003


The history and importance of heat treatment of Australian sapphire: T. Coldham, 450-462.

Corundum conundrum: B. Sweeney, 463.


Volume 21, Number 12, October-December 2003
History of education in the GAA: B. Sechos, 470-473.

The development of valuation technology in Australia: P. Gerrard, 474-477.


Geoffrey Tombs – A pointer to inspiration: T. Linton, 486-489.


Diamond grading for the myopic: R. Bauer, 495-497.


Volume 22 January-March 2004 – October-December 2006

Culturing abalone half-pearls – The story of the New Zealand Eyris Blue Pearl™: P. Hutchins, 10-20.

Agates and geodes from the Khur area, central Iran: M. Nazari, 21-28.

Amino acids in the nacre layers of shell from Magnavicula Penguin and blister pearls from Sanya, China: Huang Fengming, Chen Zhonghui, Zhou Ying, Yang Mingxing, 29-31.

Pink gem-quality orthoclase from the Mogok stone tract, Myanmar: U Hla Kyi, U Kway Thu, 32-34.

Sapphire-blue kyanite from Nepal: U. Henn, 35-36.

Volume 22, Number 2, April-June 2004

Crocoite: S.P. Sorrell, 59-63.

Spinel from Kayah State, Myanmar: U Tin Hlaing, 64-66.


Quality enhancement of Vietnamese ruby by heat treatments: P. Winotai, P. LimSuwan, I.M. Tang, S. LimSuwan, 72-77.

Volume 22, Number 3, July-September 2004
History of DIP DT Course: G. Brown, 91, 97.

Diamonds in Russia: F. Payette, 99-111.

The Modern De Beers and the significant changes to the diamond pipeline over the past decade: J. Morris, 112-124.

Diamond simulants: P. Cartwright, 125-131.

Volume 22, Number 4, October-December 2004


In The pink: Argyle’s diamond gift to Australia: A. Bevan, P. Downes, 150-155.

The Kasumigaura Pearl™: B. Dilenburger, 156-161.


Sapphire in basalt fake: T. Coldham, 171.

Volume 22, Number 5, January-March 2005

Pearl resources of China: Zhang Hui, Zhang Beili, 196-209.


Rubellite and other gemstones from Momeik Township, northern Shan State, Myanmar: U Tin Hlaing, Aung Khaing Win, 215-218.

Volume 22, Number 6, April-June 2005

The diamond pipeline: H.H. Lim, 244-252.

Opals from Java: H. Susatmiko, H.C. Einfalt, 254-259.

Krüss refractometer - ER 6010: T. Linton, R. Beattie, K. Hughes, 260-262.

Trapiche of Myanmar: K.K. Win, 269-270.

Volume 22, Number 7, July-September 2005

The pegmatitic gem deposits of Molo (Momeik) and Sakhan-Gyi (Mogok): U Hla Kyi, Ted Themelis, U Kyaw Thu, 303-309.

Volume 22, Number 8, October-December 2005

Gemstone resources of China: C.M. (Mimi) Ou Yang, 349-359.
Glass-filled rubies – Clarity-enhanced rubies with glass-forming additives: T. Themelis, 360-365.

Volume 22, Number 9, January-March 2006

Diamonfrom the Udachnaya pipe, Yakutia: V. Rolandi, A. Brajkovic, I. Adamo, M. Landonio, 387-397.
Krüss PO11 proportion ocular and stone holder: T. Linton, R. Beattie, K. Hughes, 398-401.
From the laboratory: Tay Thye Sun, 406-407.
The adverse impact of scatter on the tone of Shandong sapphire: L. Jianjun, 408-411.

Volume 22, Number 10, April-June 2006

Welcome to the Patricia Calloway memorial issue, G. Brown, H. Bracewell, B. Sneyd, 426.
Characteristic spectral features of iron as a gemstone chromophore: G. Pearson, 430-446.
Problems that may be encountered when identifying gemstones in antique jewellery: R. Bauer, 455-459.
Vulcanite or Gutta-Percha: That is the question: G. Brown, 460-465.
My other collection: B. Sneyd, 466-469.
Re-surfacing a refractometer prism: T. Linton, 470.

Volume 22, Number 11, July-September 2006

Torrington and its gemstones: H. Bracewell, 479-484.
Test case for the refractometer – Olivine or sinhalite?: A. Hodgkinson, 493-495.
Gemstone mining and exploration in Australia: F. Sutherland, 496-502.
Elephant pearls - True or false?: B. Mann, G. Brown, 503-507.
Mineral and melt inclusions in sapphires as an indicator of conditions of their formation and origin: V. Pakhomova, B. Zalishchak, V. Tishkina, M. Lapina, N. Karmanov, 508-511.

Volume 22, Number 12, October-December 2006

Measurement of refractive indices with the Gemmeter™: L. Cosnier, 533-538.
Another imitation elephant pearl: G. Brown, 556-557.


Volume 23, Number 1, January - March 2007

From the laboratory: Tay Thye Sun, 16-21.
Letter to the Editor & Reply (About diamond cut grading), 22-28.

Volume 23, Number 2, April - June 2007

Sealant impregnated rubies: G.M. Pearson, 58-61.
Usefulness and limitations of using routine FTIR spectra for identifying gemstones compared with the use of classical FTIR spectra using

10 - The Australian Gemmologist 1958-2017 Contents
Opal similarities between Andamooka and Coober Pedy, South Australia: I.J. Townsend, 415-420.
Nature and origin of the orbicular granodiorite from Boogardie Station, Western Australia: J. Bevan, A.W.R. Bevan, 421-425.
Precision of instrument readability – Your SG value may not be as good as you think it is: G. Pearson, 426-431.

Volume 23, Number 10, April – June 2009
Large Brazilian diamonds: D.B. Hoover, J. Karfunkel, 440-446.
Optical phenomena in gemstones: R. Cartier, 447-449.
Quahog pearls – Among nature’s rarest beauties: A. Matlins, 450-452.

Volume 23, Number 11, July - September 2009
Aquamarine – Natural or synthetic?: A. Hodgkinson, 495-499.
The genetic approach for identification of varieties of crystalline and amorphous silica: V.S Baltisky, O.V. Baltiskaya, 500-508.
Precious opal from Java: Tay Thye Sun, Puah Chun Mok, Sunny Liew Paul, M. Paramita, C.E.S. Arps, W. atichat, E. Fritsch, We Weng Kang, K. Wijaya, 513-528.
Presidium GCG and C-Master gem calculators: T. Linton, C. Curtis, 529-532.

Volume 23, Number 12, October – December 2009
Argyle Type 1A brown diamonds gemmological properties, FTIR, UV-Vis, CL and ESR features: A. Brajkovic, V. Rolandi, R. Scotti, 539-550.
Differentiation of naturally coloured and artificially irradiated blue topaz specimens by their cathodoluminescence properties: Y. Song, X. Yuan, 551-558.
Zultanite, or colour-change diaspore from the Milas (Mugla) region, Turkey: M. Hatipoglu, M. Akgun, 559-563.
Diaspore, zultanite colour-change variety, gemmological properties - Editor’s addendum: G. Pearson, 564-566.
Laser inscriptions on diamonds: R. Bauer, 575-578.
Prevention of cracking in Ethiopian opal: S.V. Filin, A.I. Puzynin, 579-582.
Scarselli exhibit of naturally coloured diamonds at the American Museum of Natural History: J. Sheby, 583.
Letter to the Editor – Your SG value might be better than you think: J. Chapman, 584-585.

A4 FORMAT
Volume 24, Number 1, January – March 2010
The Argyle Diamond Mine in transition from open pit to underground extraction: G. Bosshart, J. Chapman, 4-8.
Differing causes of colour in diamonds: C. Payne, R. Bauer, 15-16.
Tanzanite - naturally heat treated?: T. Coldham, 23.
Examination results 2009: 26-27.

Volume 24, Number 2, April – June 2010
Federal President’s Report, 31.
Microstructures observed in Andamooka matrix opal: G. Pearson, 32-37.
A study of prismatine from Begogo, Madagascar: V. Bordoni, M. Biocci, F. Cauca, 38-40.
A chatoyant malachite: G. Choudhary, 44-45.
64th Annual Federal Conference: 49.

Volume 24, Number 3, July – September 2010
Mookaite – A Western Australian ornamental rock: S. and V. Stocklmayer, 56-60.
Large synthetic black moissanite on the Australian market: B. Sechos, 64-65.
The world’s top summer show: 71-72.

Volume 24, Number 4, October – December 2010
Rio Tinto’s Argyle Pink Diamonds Tender Update: E. and C. Sanders, 80-84.
A greenish yellow zoisite: G. Choudhary, 90-91.
Less frequently encountered gemstones – Euclase: R. Brightman, 94-95.

Volume 24, Number 5, January – March 2011
Triphylite from Brazil – a rare colour-change gemstone: K. Schmetzer, E. Erel, 104-105.
Comparative study of different types of filled rubies: L. Jianjun, H. Wangjiao, S. Yuan, L. Han, C. Youfa, L. Huafeng, L. Ying, F. Chengxing, Y. Hong, 106-115.
Gem-Ed – GAA’s newly created educational arm: 120.
An introduction to the PEO of Gem-Ed Australia: 121.
Gem-A – GAA agreement: 122.
The Fred Storch Memorial Scholarship: 123.
Examinations results 2010: 124-125.

Volume 24, Number 6, April – June 2011
GAA Supporter Pins, 131-132.
ICA Congress Brazil 2011: 158.

Volume 24, Number 7, July – September 2011
Serpentine crystal with purple-red transmission: G. Choudhary, 164-166.
Gum-quality green and blue tourmaline from a Coolgardie pegmatite, Western Australia: F. Payette, L. Klemm, 171-175.
Less frequently encountered gemstones – Painite: R. Brightman, 176-177.
Tony Kean Award (to T. Coldham): 178.
32nd International Gemmological Conference (Switzerland): 179.

Volume 24, Number 8, October – December 2011
Jack’s publications 189-193.
Jack’s Opal: R. Bauer, 196.
Jack, opal specialist valuer: N. Kollias, 197.
Diamonds and opal: B.J. Morris, 198.
Tourmaline from Kangaroo Island, South Australia, in the Australian Museum collection: G. Webb, 199.
Less frequently encountered gemstones – Kyanite: R. Brightman, 202-204.
International Symposium on Jade: T.T. Sun, 205.

Volume 24, Number 9, January – March 2012
George Bosshart 1943-2012: 226.
Geoffrey Tombs Research Fund: 227.
Examination Results 2011: 228-229.

Volume 24, Number 10, April – June 2012
Natural alexandrites and chrysoberyls from Madagascar with irregular and regular growth patterns: K. Schmetzer, 243-248.
66th GAA Annual Federal conference: 249-255.

Volume 24, Number 11, July – September 2012
Natural pearls and cultured pearls: A basic concept and its variations: H.A. Hänni, 258-266.

Bicoloured quartz with unusual colour combination: F. Payette, 272.

Exploring surface features on Brazilian topaz crystals: A. de Goutière, 273-274.

**Volume 24, Number 12, October – December 2012**


Non-decorative jewels – with particular reference to watch jewel bearings and components: J. Warner, 294-301.


**Volume 25, Number 1, January – March 2013**


Gemmological Intelligence - Notes from GSL: 27.

Book reviews: 28-29.

Examination results 2012: 30-31.

**Volume 25, Number 2, April - June 2013**

W.H. Hicks Award 2012- A. Ahmat, 36.

The late Dr Grahame Brown’s library finds a new home: 36.


Violet and pink coated opals: G. Choudhary, 55-57.


Follow up on the mystery jewel: G Henry, 60-61.

Dichromatism, the cause of the Usambara and the alexandrite colour-change effects: G. Pearson, D. Hoover, 62-70.

Gemmological Intelligence: B. Sechos, R. Bauer, 71-72.

Book reviews: 73-74.

Further Examination results 2012: 74.

**Volume 25, Number 3, July - September 2013**

Corinne Sutherland memorial issue: 80-81.


**Volume 25, Number 4, October - December 2013**


A simple approach to separate natural from synthetic ametrine: F. Payette, 132-141.

The characteristics of amber from Indonesia: T. Leelawatanasuk, P. Wathanakul, S. Paramita, C. Suthirat, B. Sriprasert, P. Bupparenoo, 142-145.

An ornamental sapphire-cordierite-sillimanite rock from South India: G. Choudary, 146-151.

Identification of treated quartzite imitating B-jade and B+C jade: T sun, I Ying, 152-153.

Gemmological Intelligence: B. Sechos, R. Bauer, 154-157.

Examination results 2013: 158-159.

Errata: 159.

**Volume 25, Number 5, January - March 2014**

68th Federal Conference: 165.


Tom Nunan- sapphire miner extraordinaire 1928-2013: T Coldham, 180-191.

Book reviews: 194-195.

**Volume 25, Numbers 6-7, April – September, 2014**

68th Federal Conference report: 201-205.

Obituary - Chris Andrews: 205.


Yellow gem plagioclase from Cenozoic basalts, eastern Australia, identity and origin: F.L. Sutherland, A. Abduriyim, R. Pogson, G. Suterland, R. Wuhrer, 231-238.

A theoretical and experimental study of the heat treatment of opaque Thai sapphire to transparent blue sapphire: T. Sripoonjan, B. Wanthanachaisaeng, C. Sutthirat, 239-244.


Gemmological Intelligence: A. Malecka, 288-289.


Examination results 2014: 292-293.

**Volume 25, Number 8, October - December, 2014**


Chromism in pink diamonds J. Chapman, 268-271.

Australian opalised fossils- Earth treasures from dried mud and deep time: E. Smith, 272-278.

Agate investigation with particular emphasis on iris agate: G. Pearson, R. Green, 279-287.

Gemmological Intelligence: A. Malecka, 288-289.


Examination results 2014: 292-293.

**Volume 25, Number 9, January- March, 2015**

Divisional News: 301-302

Vale George Norris: B. Nicol, 303

Australian opal centre: a glittering palace for the queen of gems: J. Brammall, 304-315.


Examination results 2014: 330-331.

**Volume 25, Number 10, April- June, 2015**

Divisional News: 336.


**Volume 25, Numbers 11-12, July-December, 2015**

Vale Bob Sneed: 368.


European precious opal from Cervenica-Dubnik – an historical and gemmological summary: P. Semrad, 372-388.


Moldavite, a gemmological relevant natural glass: G. Pearson, 403-409.


**Volume 26, Numbers 1-4, January-December, 2016**

Divisional News: 4-8.


Lab update: CVD synthetic diamond identified in the GIT-GTL: S. Promwongnan, T. Leelawatanasuk, T. Lhuaamporn, 27-32.

Challenging synthetic rubies examined in GIA’s Bangkok and Hong Kong laboratories: S. Saeseaw, J. Muyal, S. Sangsawong, 33-44.


Overview of garnet composition interrelationships: G. Pearson, 4-53.

Gemmological Intelligence: T. Coldham, 54.

Book review: 55.

**Volume 26, Numbers 5-6, January-June, 2017**

W.H. Hicks Award – A Smallwood: 60

Divisional news: 60-66

Australasian rubies: L. Sutherland, I. Graham, S. Harris, K. Zaw, S. Meffre, T. Coldham, R. Coenraads, G. Sutherland, 68-76.

Investigation of suitability of some illuminations for use with gemological instruments, especially the Chelsea filer: G. Pearson, 77-87.


Gemmological intelligence: T. Coldham, 102-103.

Examination results: 104-105.

Book review: 106.