

LAB INFORMATION CIRCULAR (L.I.C.)

CURRENT ISSUES

Well-Wisher Thank You

Donations which have been received at GTL, Jaipur. We wish to express our grateful thanks for the generous donations made by well-wishers of GTL in the interests of upgradation and progress. You are a source of inspiration for us, Thank you.

Shri Vimalji Surana : Initiated an Annual Award for the Best student in Practicals for the Year, effective from April '97.

Shri Mehul Durlabhji : Donated one facettor for the Facetting Course.

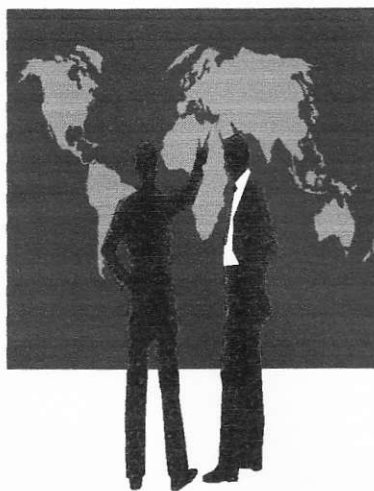
Donated a Vacuum Pressure Oiling Machine .

Shri Shyam Mohanji Rawat: Donation amount received for purchase of a facettor for the Facetting Course.

Shri Nawal Kishore Tatiwala :

Donation of magazines and technical journals which are invaluable asset for our library.

Gemstone Donations: To all those members of the trade and GTL ex-students (our main Donors) who send us sample specimens of new stones as well as new treatments.



EVENTS & UPDATES

Sealing Facility for Gemstones

GTL has introduced a sealing facility for stones certified at GTL. This is an Optional and Free facility and is the first step to providing a Tamper-Proof certificate.

Gemmology lecture in Hindi:

Vikas Joshi presented a lecture session on Gemmology in Hindi for a course being conducted by SISI, Jaipur.

Richard Williams : De Beers representative visited GTL in March. Need for Diamond Grading certificates in India and problems in enhanced stones were discussed.

G.J.E.P.C. Annual Awards :

Was held at New Delhi on 17th.March. GTL students Ritu Mehta, Rajkumar Hota & Vrinda Khandelwal received awards.

Gopal Lal, Peon GTL, was felicitated for twenty five years of dedicated service.

G.T.L. ACTIVITIES

Send us your comments and suggestions so that we may bring you more information and updates.

Contact: Gem Testing Laboratory,
Rajasthan Chamber Bhawan,
M.I. Road , Jaipur 302003.

Phone/Fax : 91-141-568221/ 573565

Contact Persons:Shyamala Fernandes
Sunil Sarma , Vikas Joshi

Gem Testing Facilities

1. Single stone - Regular category
2. Single stone - On The Spot (O.T.S.)
3. Packet Lot - Same colour lots only

Note: Rough specimens require to have one side polished for certification.

Educational Activities

1. Diploma Course In Gem Identification
Resident Course - 4th.May1998

ADMISSIONS ON FIRST COME BASIS

- Correspondence Course
2. Basic Courses - 5 / 15 days :
Rough / Emerald / Navratna Identification

=Special courses conducted for offices as per individual requirements.

3. In January 1998 , one candidate appeared for the Preliminary Examination in Gemmology conducted by G.A.G.T.L. of Great Britain.

PACKET LOT SEPARATION

Packets certified recently include the following.

Blue sapphire beads: Drilled beads of natural sapphire. One packet lot had distinct blue colour along the cracks and another packet had a sticky blue glue like substance in the drill hole. In both cases there was an overall colour enhancement of the stones.

Tanzanite : A number of stones with good colour and clarity, 3 - 5 ct. sizes. All were certified as Tanzanite. Apparently there was a doubt that either glass or what is being sold under the trade name of 'synthetic tanzanite', was mixed in the lot.

UNUSUAL STONE SEEN

Silicon Carbide (Moissanite) : The latest diamond simulant on the market. Distinctive features are that it was doubly refracting with a high birefringence, has a lower S.G., high dispersion and gives the **same reaction as diamond to the thermal probe**. A new probe has been marketed by Ceres for identifying Moissanite.

CERTIFICATION TERMINOLOGY
We are enclosing a complete set of terminology as is being identified at GTL. If you have any suggestions or queries kindly let us know.

GEMMOLOGICAL INSTRUMENTS

(Diamond Probe , Spectroscope, Refractometer, 10X Lens, S.G. Liquids)

Contact : Vikas Joshi,

Pager no. 9622 - 102388 / 89.

NOTE : This space is for past & present students of GTL, Jaipur. We are not responsible for any form of dealings.

TRADING SCAMS

A foreigner bought a lovely 7ct. deep blue Star Sapphire. She was told that the stone was a **Genuine Linky Blue Star Sapphire**. On certification it was found to be a **Synthetic Star Sapphire**. NOTE THAT THE TRADER WAS NOT WRONG !!!

The trade name Linky was used instead of the actual name Linde. We all know that Linde was a synthetic manufacturer. Therefore the stone was a genuine Linde. It also was a star sapphire !!!

But it was also a great SCAM!!!

DIPLOMA COURSE SCHEDULE

16th. Batch : 4th. May 1998

17th. Batch : 7th. Sep. 1998

18th. Batch : 4th. Jan. 1999

HOLIDAYS IN APRIL & MAY 1998

8th. April : Id-Ul-Zuha

9th. April : Mahavir Jayanthi

10th. April : Good Friday

14th April : Ambedkar Jayanthi

1st. May : Maharashtra Day

7th. May : Moharrum

11th. May : Buddha Poonima

2nd / 4th. Saturdays are holidays.

STONE NEWS

Treated gemstones : In the past two months a large number of stones were handed in with specific requests for detection of any form enhancement.

The most common were **fracture filled** emeralds, rubies, sapphires, quartz etc. with the appropriate filler colours.

Another request was whether the coloured impregnation seen is '**Jhoban**' or '**Dye**'. With no means of detecting the exact nature of the coloured filler, at GTL, we only state that a colour is seen in fractures, without specifying a 'Dyed stone'.

Coated stones were quite common, with green, blue, red and yellow coloured coatings. In drilled stones, the thin coated layer is clearly visible at the drill hole. In other stones, gas bubbles are seen in the thin layer with distinctly different natural inclusions below.

Apatite : Greenish yellow, brownish yellow stones both rough and cut samples. The inclusions were parallel fine needle like inclusions. In some stones two directional short silk like inclusions were seen.

Colour Change Garnet : A number of stones, sizes varying from about 60 cents to about 2.5cts, colour change from about 25% to about 70%, intersecting needle like inclusions and a typical spectrum.

Spessartite/ Hessonite Garnet:

Two stones, one more orange the other more red brown. This has become quite common as traders wish to know the difference.

Spessartite	Hessonite
R.I.=Over 1.81	1.74+/-
S.G.=4.12-4.20	3.60+/-