

LAB INFORMATION CIRCULAR (L.I.C.)

G.T.L. SILVER JUBILEE YEAR

1972 - 1997

Diwali celebrations took precedence over the GTL silver jubilee activities this month. The scheduled five day course to be held in Udaipur in Oct. could not be held due to the festive season and holidays. However we still intend to conduct at least three short courses at one of the main cities namely Udaipur, Ajmer, Jodhpur or Bikaner.

In this connection, we would be highly obliged if interested members would come forward to provide us with assistance in finding us the appropriate hall, location and also act as a base in each city so as to help us out in distributing application forms and collection of fees etc.

Basic course in the Navratna Gems, their identification and how to buy them.

Duration: Five days

Timings: 9.30 am to 12.30 pm. OR

2.00 pm to 5 pm.

No. of seats: Fifteen per batch

Fees : Rs. 750/-

A session on the enhancement of Gemstones - Impregnation and Heat treatment This session will be for registered traders only and a fee of Rs. 150/- per person will be collected. Tentatively this is scheduled for the third week of Jan. '98. Those interested may please fill out the registration form and pay the fee at the earliest at GTL.

Introduction to the Gem Industry and Options available. This session is scheduled for Dec. '97 and can be arranged for groups of 25 people or more.

Dr. J. Panjekar receiving the IGC Flag from Dr. Bank



EVENTS AND UPDATES

27th. International Gemmological Conference to be held in India 1999 At the 26th I.G.C. held at Idar Oberstein, the formal bid to host the 27th I.G.C. was successfully put up by Dr. Jayshree Panjekar who represented the Gemmological Institute of India Mumbai.

Two Indian gemmologists Dr. Panjekar (G.I.I.) and Vikas Joshi (G.T.L.) presented papers at the 26th I.G.C. on "New Gem deposits from India" and "A Comparative study of Indian Rubies vis-a-vis Other rubies" respectively.

Nicholas Graham Smith, Marketing Director, India and Anshu Bagal, representing De Beers visited GTL last month. Shri Vimalji Surana, Regional Convener, Jaipur discussed the facilities available at GTL and the need for Diamond grading courses and Diamond grading certification in Jaipur.

Erwin Banteli and Paul Weijers representing the Swiss Development Cooperation visited GTL along with Wg Cdr. P.N. Saksena. Discussions included future avenues of institutional support for development of Gem & Jewellery in Rajasthan.

G.T.L. NEWS

Season's Greetings

If you would like to receive the L.I.C. issues from GTL kindly inform us in writing or by fax indicating your interest by Jan. 1998. All Indian laboratories and institutions will not be required to do so.

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

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- 3rd. Dec '97

ADMISSIONS ON FIRST COME BASIS

Correspondence Course

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

=Special courses conducted for offices as per individual requirements.

Colour Change

Alexandrite, sapphire, garnet, tourmaline, spinel, synthetic sapphire, glass etc. are some of the stones which display a change of colour from daylight to lamplight.

The eternal question being asked is whether a lab would certify a particular stone as a colour changing stone or not, specifically in the case of Alexandrite.

How would you judge for yourself?

First and foremost, always keep the light source constant such as the daylight tube and a lamp. The distance of the stone from the light source must be constant for both sources.

The stone to be examined must be kept on a white background with the table facet towards the light source and observed with light reflected off it.

If and only if there is a perceptible change of colour from one source to the other, the stone can be considered as a colour changing stone. The percentage of change, however can only be an approximate idea of whether it is 50% or 75% or 100%. This factor is the deciding factor for calculating the price.

The most important factor is that the stone is observed in reflected light and not transmitted light.

Another point is that some stones are so **strongly pleochroic** (some have a secondary reddish / brownish tint), that in lamplight the colour change is magnified and enhanced and the stone appears to have a strong colour change when in actual fact it is only slightly enhanced.

Coloured inclusions such as orange-brown staining in fractures also tend to enhance the colour of the stone.

BUSINESS CONTACTS

S. K. Garg and Sarita Garg

We are dealing in rough Emeralds and Amethyst. Our activities are based in **Kitwe, Zambia**.

SARUNIT ENTERPRISES LTD.

K1 Lubambe Centre, Parklands,
P.O. Box 20151, Kitwe, Zambia
Telefax: (260-2)221534

NOTE: This space is for past & present students who wish to promote their personal business prospects.

CLASS HOWLERS!!!

One student to another "What is Marcasite?"

"Oh, that means Marquise cut" says the other.

In an exam paper: Explain the International Grading systems for diamonds.

Answer: The G.T.L. Grading System

D,C,E.....colour grades.....

She passed!

DIPLOMA RESULTS - XV th. BATCH

Exam held on 24th & 25th Nov. '97

1. VRINDA KHANDELWAL
2. JYOTI KULSHRESTA
3. SHWETA AGARWAL
4. SHUBH SINGHI
5. TARUN VERMA

CONGRATULATIONS AND WE WISH THEM ALL THE VERY BEST

Books / magazines suppliers (India)

1. Chandan Agencies, 607 Chira Bazaar, Ground floor, Mumbai-400 002. Tel: 2056821 Fax: 2051072

2. Rajiv Book House, 30 Palika Bazaar, New Delhi-110 001. Tel: 3323692

3. Super Book House, Sindh Chambers, Shahid Bhagat Singh Road, Colaba, Mumbai - 400 005. Tel: 2830560 Fax: 2834452

EX - DIPLOMA GTL STUDENTS
The last date for the **FREE two day Refresher course is 31st Dec '97**. We are glad that a few of our students took advantage of this opportunity.

ONE MONTH FACETTING COURSE

This course is for past & present GTL Diploma students only.

Next batch : 15th Dec. '97
Timings : 2.30 to 5.30 pm.
Fees : Rs. 2000/-
Number of seats : six (6)

STONE NEWS

Packet Lot of Blue Sapphires: A large packet of over 80 stones was certified recently at GTL. The stones were all oval mixed, about 1-2 ct. size each. In immersion almost all with the exception of a few showed the classic features of Natural sapphires - Diffusion treated with two stones being Synthetic sapphires.

Yellow Scapolite: An octagon step cut light yellow stone with an S.G. of 2.63, an R.I. of 1.55-1.565, D.R. 0.015. Typical inclusions were transparent crystals, fine fingerprints along cleavage directions. On sight the stone appeared more like a pale yellow beryl.

Pinkish Brown Topaz: An unusual coloured topaz was tested recently. A 19ct., oval mixed cut showing a distinct biaxial figure and two fingerprints towards the side facets with phase inclusions.

Tanzanite: There has been a spurt in the number of good quality tanzanite being certified in the last two months. Most of the stones were a deep violet without any inclusions. All other properties were typical for tanzanite.

Fracture filled Emeralds and Rubies: These are some of the routine stones examined with specific requests to check for fracture filling. Unfortunately whether the filling is a resin or a glass we are not in a position to ascertain conclusively due to lack of appropriate equipments. Irrespective of the nature of the filling, if a stone showed fracture filling, our certificates make a general comment 'probably filled fractures seen'.

IGC '97 POSTER PRESENTATION

At the Conference at Idar, GTL presented a poster on the Gem Deposits of India. The poster was appreciated as it contained very colourful photographs alongwith the various states of India and a geological map of India. This poster has been put up at GTL. Do check it out if you visit GTL and give us your opinions.