

# LAB INFORMATION CIRCULAR (L.I.C.)

## G.T.L. SILVER JUBILEE YEAR

### 1972 - 1997

**T**wenty five years ago, the far sightedness of a few members of the trade especially of the founder Chairman, G.J.E.P.C. (Late) Padmashri Khailshanker Durlabhji and the then Chairman Shri Jawaharlal Rakhyan made a very valuable contribution to the Gem & Jewellery Industry by setting up the First laboratory in North India.

To commemorate 25 years of service to the trade GTL is organising a series of activities throughout the year.

Aug: 11th-16th. Free Gem Testing

11th- Jewellery Care & Navratnas

12th- Trade -Tech Meet

Sept: 24th.- Career Guidance - Gem

Industry and the options available.

#### School Students only

: Also Vth. & VIII th. stds. at the schools over next 3 months.

Oct: Crash course in Gemmology at

Udaipur 15th Oct. to 19th Oct.

Nov: Crash course in Gemmology at

either Ajmer or Jodhpur

Dec: Introduction to the Gem Industry

& Options available session for college students.

#### GEMMOLOGISTS IN JAIPUR

Whether you are a D.G.I., D.G., F.G.A., G.G. or D.Gem.G., please contact us at GTL with particulars, since we are compiling a list of gemmologists based in Jaipur from 1947 onwards.

SHRI BARKATULLA KHAN, Chief Minister, Rajasthan inaugurating the Gem Testing Laboratory in 1972



## EVENTS AND UPDATES

**11th. Aug** was a very special session for ladies only on "Jewellery Care and the Navratnas". **Smt. Hemlata Durlabhji** was the Guest of Honour.

**12th. Aug** A Trade -Tech Meet was organised by Regional Convener Vimalchand Surana and Co-Convener Rashmikant Durlabhji. **Shri Shrichandji Golecha** was the Chief Guest.

**Sept. '97** Vikas Joshi, Gemmologist, GTL, will be presenting a paper on Indian Rubies at the 26th International Gemmological Conference at Idar Oberstein between 27th Sept & 3rd Oct.

**Ex-Diploma GTL students** will be allowed to take a FREE two day Refresher Course on any specific subject of their choosing between 11th Aug '97 and 31st Dec. '97. Those interested must register the topic and dates at GTL.

**24th. Sept.** A career guidance special was organised at S.D.M.H. Auditorium for 10th, 11th & 12th. Std. students. Nine schools were invited, only three schools were represented by 140 students.

## G.T.L. NEWS

### The New Look

**H**ow do you like our new L.I.C. format? 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
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  
= 3 1/2 months - Resident Course  
= 8 months to 2 years - Correspondence
2. Basic Courses - 5 days  
= Rough Identification  
= Emerald Identification  
= Navratna Identification  
= Special courses conducted for offices as per individual requirements.

**A minimum of 6 candidates per batch.**

**11th. Aug** was a very special session for ladies only on "Jewellery Care and the Navratnas". **Smt. Hemlata Durlabhji** was the Guest of Honour. Gold, silver and kundan meena jewellery were displayed and queries regarding making, purity, solders etc. were answered. Well received presentations were :

**Gold Jewellery - Mr. Sharma (Vaibhav Gems Ltd)** where he spoke on the importance of gold in jewellery, the properties of gold, the different types of solders used, the colours of gold, the types of settings used and about gold as an investment.

**Kundan-Meena Jewellery - Smt. Asha Rawat (Maliram Puranmal Rawat)** outlined the five stages involved in the making of kundan-meena jewellery namely making the base ornament, enamelling, shaping and fixing of stones, making - filling wax and studding of kundan and tying of pearls, beads, drops, mani etc. of gemstones.

**Silver Jewellery - Mr. Rajeev Sharma, F.G.A (Businessman)** explained how a person could calculate silver percentages, how it is tested, the varieties available in the market, how one can clean and maintain silver ornaments and larger pieces.

**Jewellery Care and Navratnas - Shyamala Fernandes (GTL)** gave a brief presentation on the nine stones used in navratna jewellery, their astrological association with specific planets and their influences. In her talk on jewellery care she spoke on the basic factors which should be kept in mind so that jewellery would last a longer period.

#### Schedule For Diploma Courses

XV Batch : 3rd. Dec.'97

XVI Batch : 9th. April'98

Correspondence courses as per individual convenience.

**24th. Sept.** was a very informative and informal career guidance session at the S.D.M.H. Auditorium. The session which was chaired by **Shri Yogendra Kumar Durlabhji** commenced at 9.00am with **Shyamala Fernandes** presenting the various options available in the Gem industry from the point of view of academic, business and job opportunities. **Mehul Durlabhji, ICA Ambassador India** outlined the stages in manufacturing and the basic infrastructural requirements for setting up a manufacturing unit. He emphasised the importance of traditional and modern techniques and the continuous need for upgradation and R & D works. **Shikha Hirawat, Jewellery designer from M/s. Dwaraka's** presented the various stages in jewellery designing and manufacturing. **Ritu Mehta, Gemmologist** identified the areas of computerisation in the industry specifically in sales, marketing, manufacturing and identification.

**Shri Yogendra Durlabhji, Chairperson**, summed up the session and spoke very eloquently and emphatically on the need for long term ethics and morals. Enumerating his talk with practical examples he cautioned the students to first develop themselves and then get involved in the business, as this business demands a stable, mature and confident personality, to be successful. He also gave some valuable tips on client relationships, on how to develop and maintain them.

Artisans demonstrated the sawing and preforming stages. **Nissarbhai**, one of the senior preformers in Jaipur, took great pains in explaining how and why marking rough is necessary. Gem testing equipment, books and magazines were displayed and manned by **GTL gemmologists**.

#### STONE NEWS

**Opal Cat's Eye** : A honey gold, brown, yellowish brown cat's eye has periodically been certified. The size ranged from 1ct. to 25 cts. On complete examination it was found to have a S.G. of 2.05 -- 2.10 (hydostatically), very constant R.I. on a flat facet of 1.45, eye visible brown needles (cristobalite) due to these needles the stone shows distinct DR with the dichroscope - the dichroic colours seen are a deep pink and yellowish brown or yellow and orange as per the colour of the stone. A band centred at 445nm was present in all specimens.

**Parti-Coloured Sapphires** : A wide range of sapphire colours and shades have been examined. The basic factor has been whether they are strongly dichroic and their colour enhances in lamplight or whether they are colour changing. The visual shades seen were brownish purple, greenish brown, greyish blue and bluish green. All properties were synonymous with those for Natural sapphire.

**Coated Fluorite** : Time and again we have cautioned traders on coated stones. Recently a very ingenious type of coating was observed in a green oval cabochon. The visual colour was that of a good quality Emerald. The dome of the cabochon had a smooth and very neat green coating which extended till the girdle edge, the base of the cab was not coated. Observing with reflected light a fine green line was seen along the girdle. Also a distinct difference in surface lustre was seen. With instruments differences in the R.I. U.V. reactions and the inclusion enabled the identification.

**Tiger's eye or Quartz cat's eye ?** : A golden yellow rough with good sheen is being cut to produce a honey gold cat's eye with a very sharp eye. This material is said to be from a new deposit in Bihar. In the cut stone there is no visual banding seen which is trademark of tiger's eye and only smooth body colour like in a quartz cat's eye. All other properties are those for quartz. What would you name it as?

Write and give us your opinion.

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