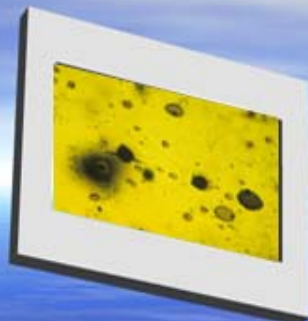


A Famed Gemologist's Slide Legacy

The Dr. Eduard J. Gübelin Slide Collection



Presented by
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Manager of Visual Resources
Gemological Institute of America

March 12, 2008

Talking Points

- What is GIA?
 - Brief History
- Who was Dr. Edward J. Gübelin?
- The Dr. Eduard J. Gübelin Collection
 - Scope of the Collection
 - The Acquisition
- Some Challenges Faced by the GIA VRL
- Final Words of Advice

What is GIA?

The Gemological Institute of America is the world's largest non-profit institute for gemological education and research



Early Days of GIA



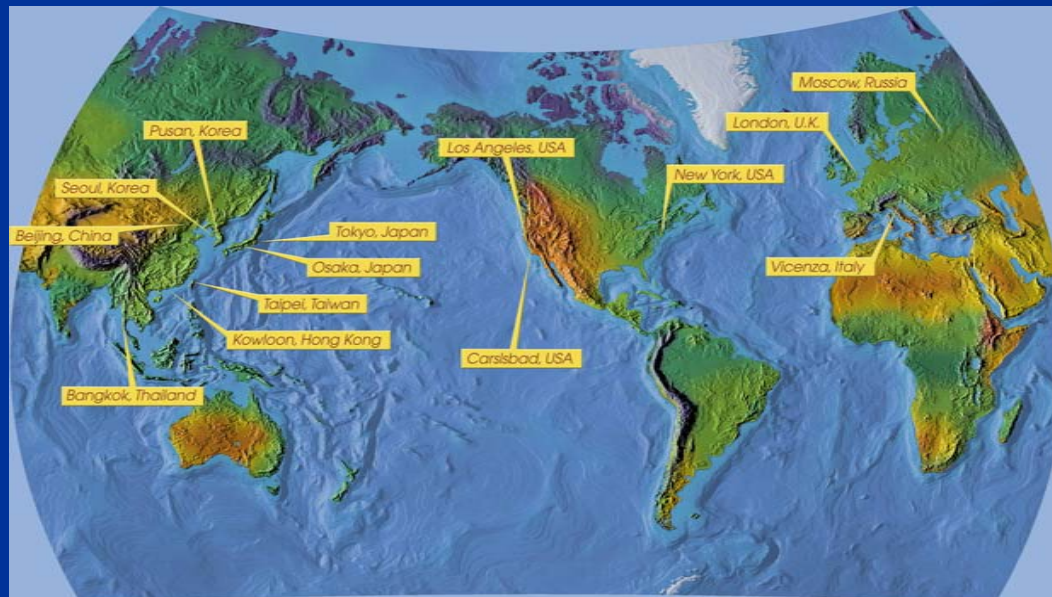
Started as a school for gemology in Los Angeles by jeweler and gemologist Robert M. Shipley in 1931



GIA Today



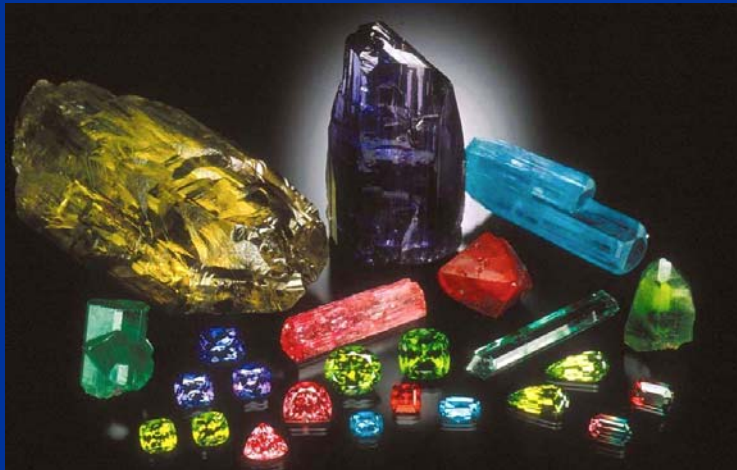
- World headquarters in Carlsbad, California
- More than 15 campuses worldwide
- Three laboratories



Education

Graduate Gemology (GG)

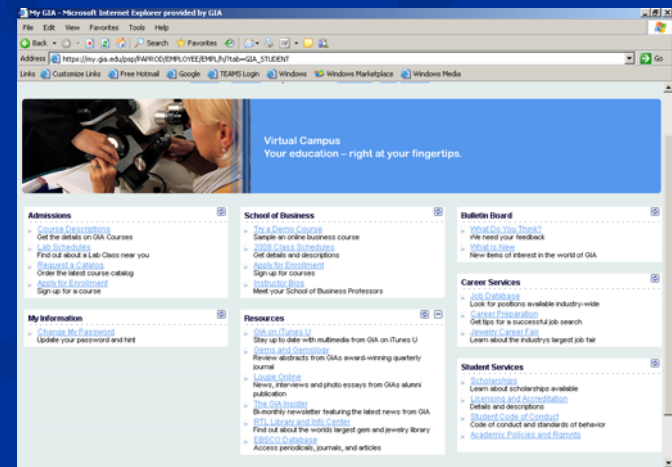
- Diamonds & Diamond Grading
- Colored Stones and Gem Identification



Education

Accredited Jewelry Professional (AJP)

- Diamond Essentials
- Colored Stone Essentials
- Jewelry Essentials



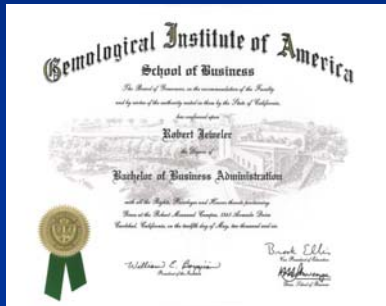
Education

Applied Jewelry Arts

- Jewelry Manufacturing
- Jewelry Design
- CAD-CAM



Education



GIA School of Business

- Bachelor of Business Administration (BBA)
 - GIA's first college degree program
- Jewelry Business Management Diploma (J.B.M.)
 - Courses such as Principles of Management, Accounting Basics, Fundamentals of Marketing, Principles of Economics, Ethics and Law

Education

Course Development



Classroom PowerPoints



Course Materials



Podcasts

The Richard T. Liddicoat Gemological Library & Information Center



- World's largest gemological library with over 30,000 books, 300 international periodicals, 1,000 videos related to jewelry and gemology
- Visual Resources Library with over 60,000 digital assets

GIA Museum



- Small but growing museum with displays throughout the campus and in traveling exhibits
- Free public access through scheduled tours
- Hosts quarterly lecture series to public

Research

Gem treatments, synthetics, origin of gemstones



Research

Gems & Gemology

GIA's award-winning quarterly journal



Laboratory Services

Diamond Grading

GIA created the 4Cs of diamond value



GIA
Gemological Institute of America

DIAMOND GRADING REPORT

January 4, 2008
Labor Inspector Registry: GIA 14888427
Shape and Cutting Style: Round Brilliant
Measurements: 8.71 x 6.51 x 4.50 mm

GIA REPORT 14888427

Carat Weight	8.08 carat
Color Grade	F
Clarity Grade	VSI
Cut Grade	Barely Good

Facet: Very Good
Symmetry: Excellent
Fluorescence: None

Comments: "GIA14888427" "GIA14888427" "GIA14888427"
Additional Inspection: YOUR STORE NAME OR PERSONAL MESSAGE HERE

KEY TO SYMBOLS

- Color
- Clarity
- Measure
- Weight

DIAGRAMS: Top view, Bottom view, and Facet map of the diamond.

GRADING TABLE: A table showing the relationship between color, clarity, and cut grades and their corresponding values.

Barcode: A barcode representing the diamond's unique identification number.



Laboratory Services

Gem Identification

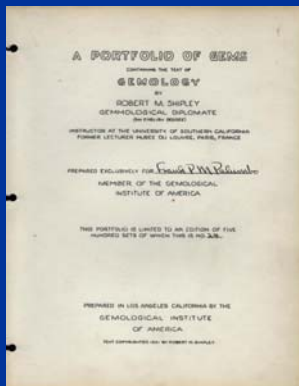


Who was Dr. Edward J. Gübelin?



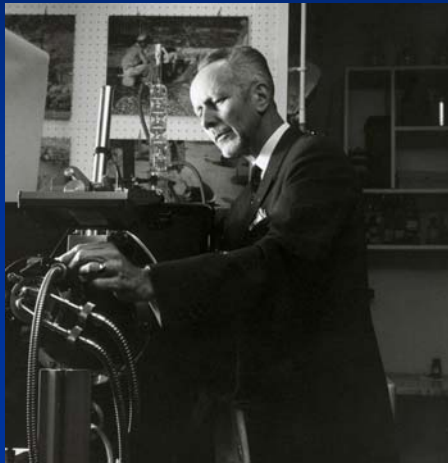
Photo by Eric Van Valkenburg

On the plains of the Serengeti in Tanzania, East Africa, September 1997



- Born in 1913 to a Swiss family of watchmakers and jewelers
- Studied mineralogy at the University of Zürich
- Early foreign student of GIA
- Started taking the GIA correspondence course and came to Los Angeles in 1939 to complete his studies in residence

Research in Gem Inclusions



- He returned to Switzerland to work in the family-owned Gübelin Laboratory and jewelry business
- Research led to gemstone identification and determination of origin

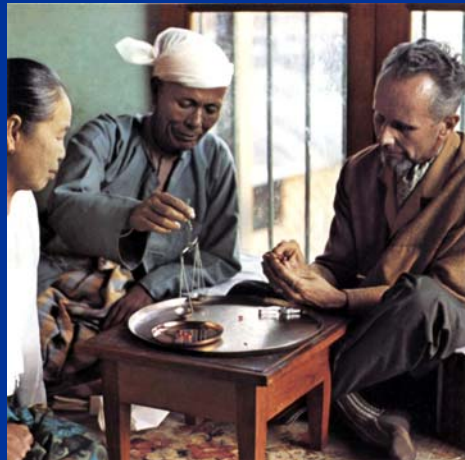
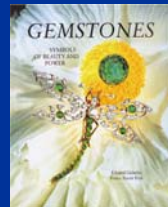
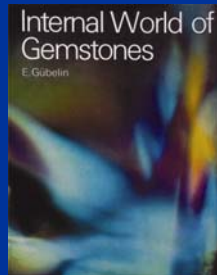
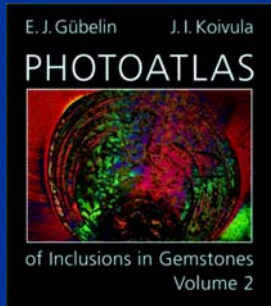
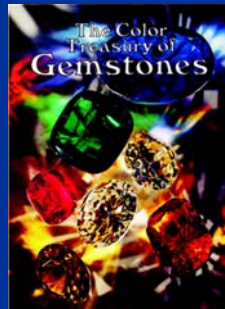
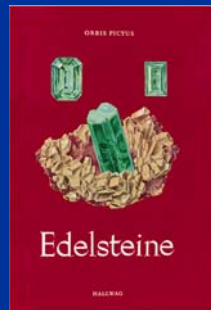
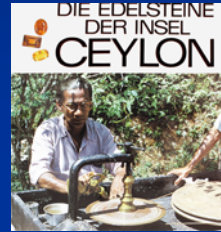
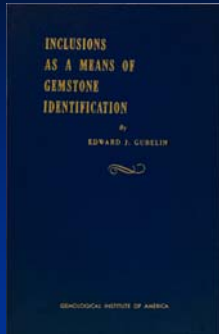


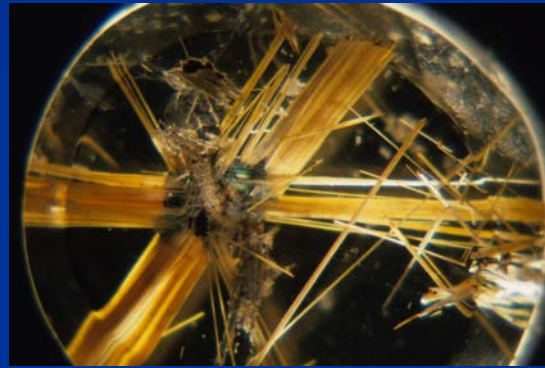
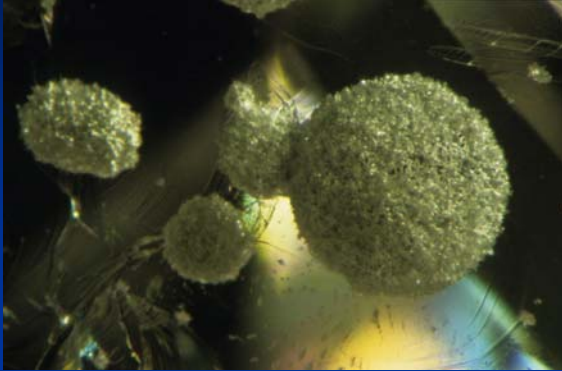
Photo by Marie-Helen Gübelin Boehm

- Over his career, he examined, documented, and photographed inclusions in tens of thousands of gemstones



In 1953, Dr. Gübelin published his landmark book, *Inclusions as a Means of Gemstone Identification*, and followed with more than a dozen other books and over 250 articles over the years, 54 in *Gems & Gemology*





In 2000, Dr. Gübelin wrote: “Just as fossils in rocks give paleontologists information about past geological periods in the earth’s history, the inclusions in precious jewels bear witness to formation and growth conditions as well as to the gemstones’ place of origin.”



- Historically, certain gems from a particular source can command higher prices than comparable stones from other sources (i.e. Burmese rubies, Kashmir sapphires, and Colombian emeralds)

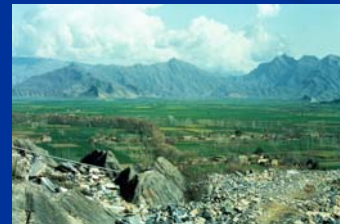
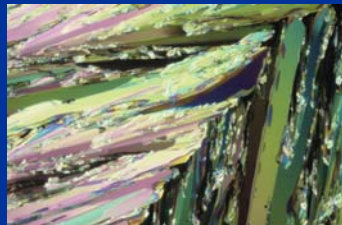
The Dr. E. J. Gübelin Collection



- Scope of collection
 - Gemstones
 - Approximately 2,700 collected over a period of 70 years, with a total weight of around 24,000 carats
 - Grouped into four main collections: by geography, species, rarity & collector items
 - Research Literature Files
 - Supporting reference material
 - Articles and papers

Slides

- Originally told that there were about 5,000 images, but in reality there were over 25,000
 - Images of gem inclusions, gemstones, localities, misc.



The Acquisition



- Collection first offered for sale to GIA in early '90s, but GIA was gearing up for building world headquarters in Carlsbad and was not able to make the purchase at the time
- In 2003, the possibility of purchasing the collection was brought up again
- A team of gem dealers and GIA staff went to appraise the collection in Switzerland in January 2005
- Dr. Gübelin died shortly thereafter in March
- In November, an agreement was reached and the purchase made

Some Challenges

- Storing the collection of slides
 - Before processing
 - Shelving unit in storage area of VRL Annex
 - After processing
 - Master cabinets in VRL



Capturing Metadata



- Translation of slide labels and logbook entries from Swiss German and Swiss German shorthand to English

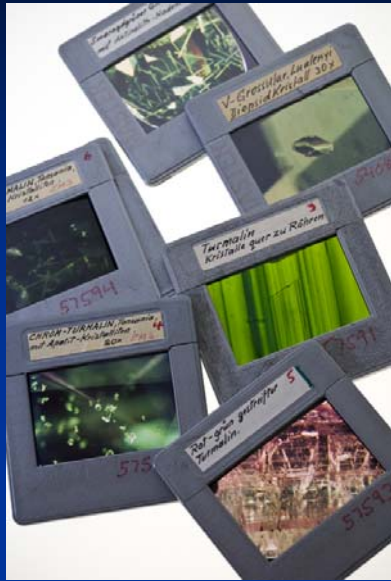


- Staff has to decipher abbreviations and typos in foreign language

- Logbooks sometimes contain more information than on slide mounts



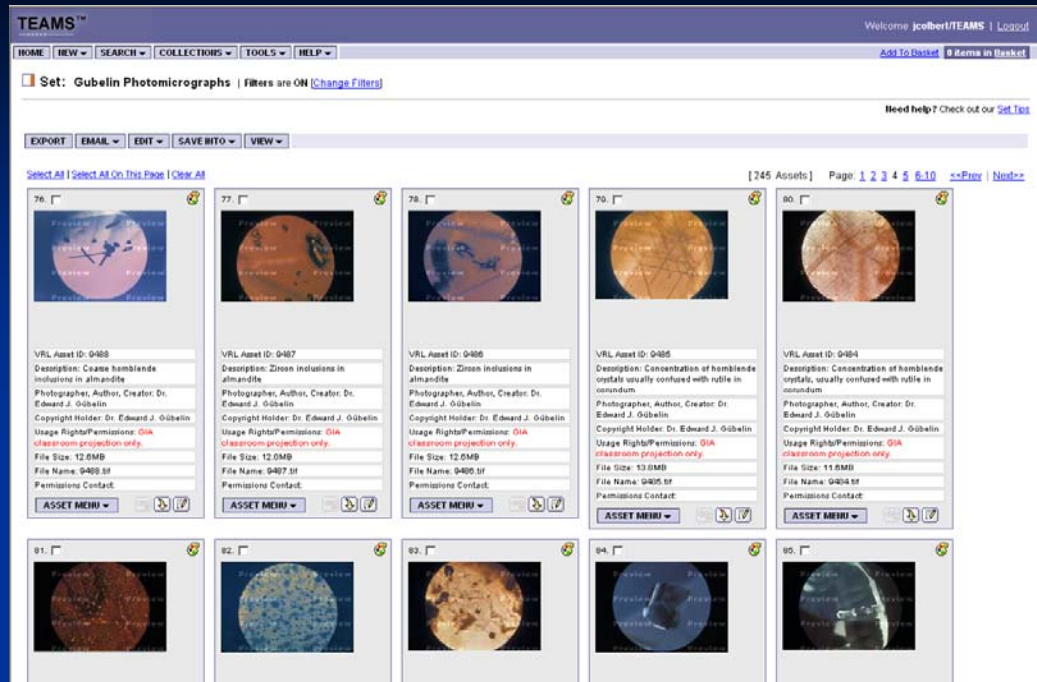
- Some slides have no information, only the information on the slide boxes



- Glass mounts and other thick mounts that don't fit in slide scanner



- Slides have to be unmounted, cleaned, and remounted in standard mounts



- Slides that were given to Dr. Gubelin from other sources
- Images already in GIA's collection
 - Replace current masters if originals
 - Make notation in database record
- Trying to avoid duplication of images

- Gemstones mixed in with the slides
 - Given to GIA Museum after documentation



Terms of Agreement



- Provide family with digital scans of all the slides
 - 2,000 to be provided within 2 years (although agreement says scans of everything in the collection were to be delivered within 2 years)
 - Physically impossible task with current staff

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■ Very specific acknowledgement requirement

Status of the Project

- Two Visual Resources Librarians, Kathleen Dailey and Sharon Bohannon, were assigned the project in November 2006. They were given the task of sorting, scanning, importing the images into the GIA DAM system, and burning copies of the scanned images onto DVDs to provide to the Gübelin family.
- As of March 7th, 241 boxes containing 6,467 slides have been scanned and imported into the DAM system. That leaves 334 boxes of slides still to be scanned. The 6,467 scanned images were burned onto 22 DVDs which have been given to the Gübelin family. In sorting through the boxes, 36 various gemstones were found and turned over to the GIA Museum.

Final Words of Advice

- Evaluate contents
- Determine priorities
- Be aware of any contractual obligations and copyright restrictions
- Develop a workflow!
- Chip away...

Thank You!

If you have any questions, please feel free
to contact me at jcolbert@gia.edu

