

Geological Fakes and Frauds

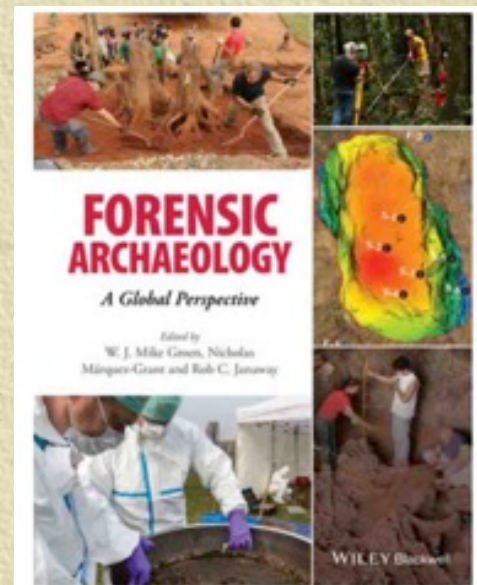
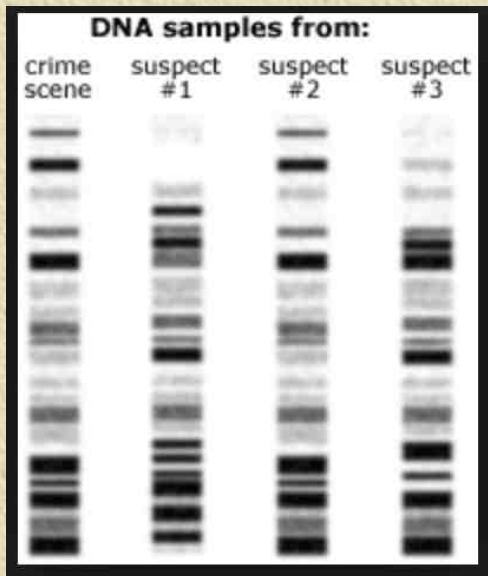
SW Regional Group, GSL
Bristol 2017

- Forensic Geology
- Substitution case - Ehrenberg
- Gems, mining, Bre-ex
- Water, oil, gas, shale gas?
- Fossils: Beringer, Cuvier, Deprat, Gupta,, amber and feathered dinosaurs
- Archaeology: Piltdown Man; Bosnian Pyramids
- Art and Historic Fraud
- Baugh and Creationism
- Forensic Geoscience Group (GSL)
- Initiative on Forensic Geology (IUGS-UNESCO)



- 1. Forensic Geology**
- 2. Substitution case – Ehrenberg**
- 3. Gems, mining, Bre-ex**
- 4. Water, oil, gas, shale gas?**
- 5. Fossils: Beringer, Cuvier, Deprat, Gupta,,
amber and feathered dinosaurs**
- 6. Archaeology: Piltdown Man; Bosnian
Pyramids**
- 7. Art and Historic Fraud**
- 8. Baugh and Creationism**
- 9. Forensic Geoscience Group (GSL)
Initiative on Forensic Geology (IUGS-UNESCO)**

1. Forensic Geology



1. Forensic Geology or Geoforensic Science

- Search for buried or sunken objects
- Crime Scene
- **Sample (trace evidence)**



In ‘The Sign of the Four’ Holmes establishes that a visitor has sent a telegram by the mud on their shoes being identical to that in the broken pavement outside the post office.



2. Christian Gottfried Ehrenberg substitution case



1795 – 1876

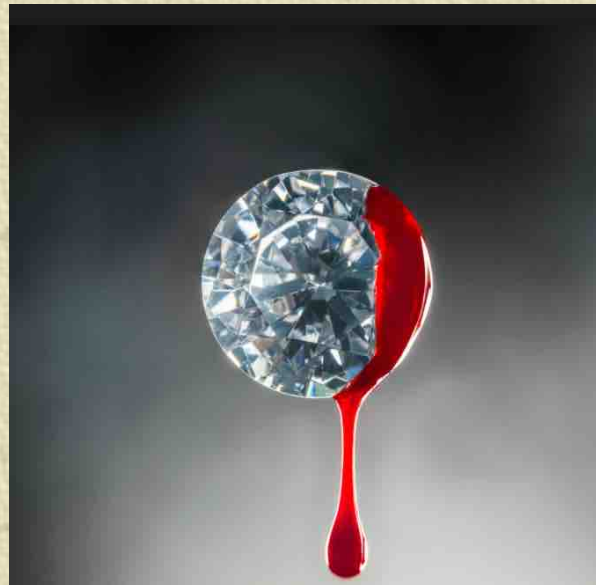


Substituted computer parts – modern take on Ehrenberg's case



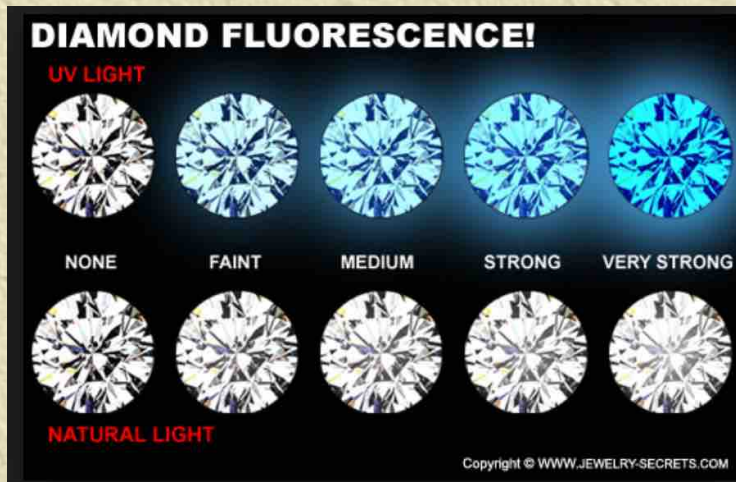
3. Gem Fraud

- ✦ Removal of impurities (e.g. diamonds)
- ✦ Synthetic gems – very hard to differentiate (process is geological). Often no impurities
- ✦ Blood diamonds – good old intelligence and policing
- ✦ Natural gems – have inclusions



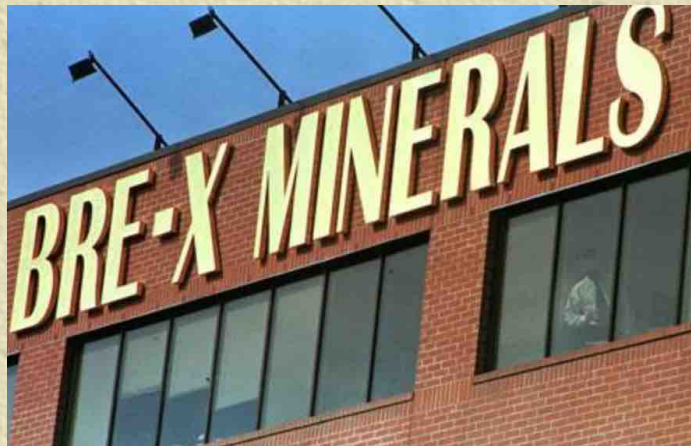
Fake Diamonds

- ✦ Fog test
- ✦ Heat test
- ✦ Light test
- ✦ Sink test
- ✦ UV test
- ✦ And failing them – x-ray diffraction or jeweller



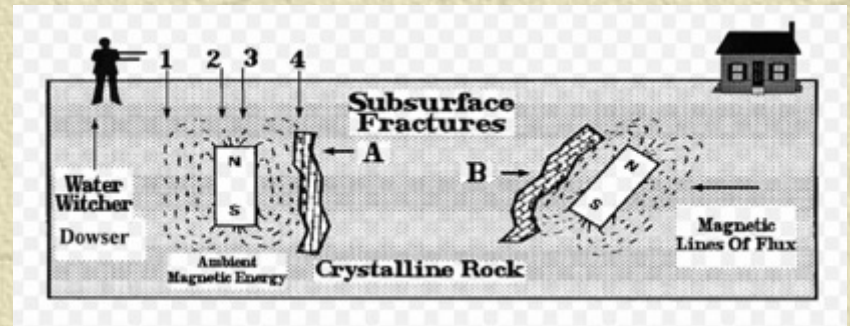
Mining Fraud

- ✦ Abbot's Dirt Piles
- ✦ Bre-ex
- ✦ Smoke rolled cigarettes



4. Water and Groundwater

- ✦ Quack doctors and radium
- ✦ Dowsers, rain-dancers, cloud seeders and bogus drillers
- ✦ Bottled water that is tap water
- ✦ Oil and Gas



Coca-Cola admits Dasani is really just 'purified' tap water

Sunday, January 27, 2013 by: Ethan A. Huff, staff writer
Tags: [Dasani](#), [tap water](#), [purified](#)

5. Fossils

- ✦ Beringer – Ignatz Roderick and Johann Eckhart
- ✦ Cuvier – accused Mary Anning of fakery
- ✦ Deprat – substituted trilobites in Indonesia
- ✦ Gupta – the greatest palaeo faker?
- ✦ Amber and feathered dinosaurs – Hoyle vs Charig

Beringer – Ignatz Roderick and Johann Eckhart

LITHOGRAPHIÆ WIRCEBURGENSIS, DUCENTIS LAPIDUM FIGURATORUM, A POTIORI INSECTIFORMIUM, PRODIGIOSIS IMAGINIBUS EXORNATÆ SPECIMEN PRIMUM,

Quod
IN DISSERTATIONE INAUGURALI PHYSICO-HISTORI-
CA, CUM ANNEXIS COROLLARIIS MEDICIS,

AUTHORITATE ET CONSENSU
INCLYTÆ FACULTATIS MEDICÆ,
IN ALMA EOO-FRANCICA WIRCEBURGENSIUM
UNIVERSITATE,

PRÆSIDE

Prænobili, Clarissimo & Expertissimo Viro ac Domino,

D. JOANNE BARTHOLOMÆO
ADAMO BERINGER,

Philosophiæ & Medicinæ Doctore, ejusdemque Professore
Publ: Ordin: Facult: Medicæ h. t. DECANO & Seniore, REVE-
RENDISSIMI & CELSISSIMI PRINCIPIS Wirceburgensis Consiliario, &
Archiatro, Aulæ, nec non Principalis Seminarii DD. Nobilium
& Clericorum, ac Magni Hospitalis Julianæi
primo loco Medico,

Exantlatis de more rigidis Examimbus,

PRO SUPREMA DOCTORATUS MEDICI LAUREA,
annexisque Privilegiis ritè consequendis,

PUBLICÆ LITTERATORUM DISQUISITIONI SUBMITTIT
GEORGIUS LUDOVICUS HUEBER

Herbipolensis, AA. LL. & Philosophiæ Baccalaureus,
Medicinæ Candidatus.

IN CONSUETO AUDITORIO MEDICO.

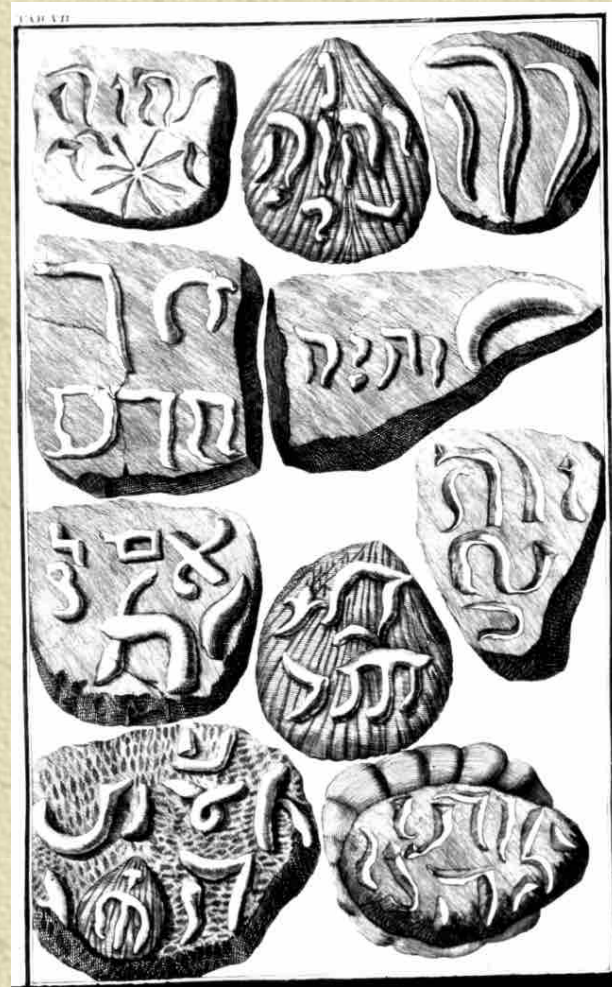
Anno M.DCCCXXI. Mensè Maio, Die

Prostat Wirceburgi apud Philippum Wilhelmum Fuggart,
Bibliopolam Aulico-Academicum.

Typis Marci Antonii Engmann, Universitatis Typographi.



Beringer – Ignatz Roderick and Johann Eckhart



Cuvier – accused Mary Anning of fakery



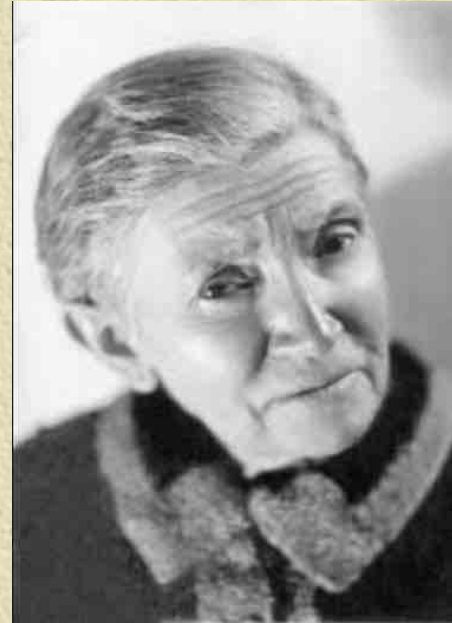
Deprat – substituted trilobites in Indonesia?



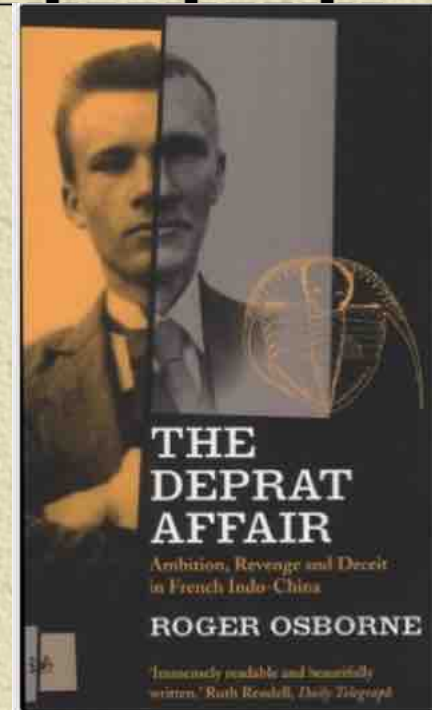
Mansuy



Lantenois



Colani



Deprat arrived with the Geological Survey of Indonesia in 1909 but fell out with Mansuy and Lantenois. Fossils secretly shipped, Colani involved Deprat became Herbert Wild. Murky affair

Gupta – the greatest palaeo faker?

- ✦ Viswa Jit Gupta vs John A. Talent (bought Moroccan fossils in a shop that were identical to Gupta's from Himalayas)



Gupta – the greatest palaeo faker?

-
- ✦ fossils purchased elsewhere –claimed origin Himalayas.
 - ✦ Papers illustrated with general location maps
 - ✦ Where the sites could be located they contained either unfossiliferous rocks, or no exposure of rocks at all.
 - ✦ re-publish the same fossils claiming them to be from geographically different sites (conodont).
 - ✦ Gupta brought in unsuspecting, internationally renowned experts.

Amber and feathered dinosaurs

– Hoyle vs Charig

- ✦ Piltdown Fly – NHM acquired Freidrich Loew 1850, described by Will Henning 1920; crack observed under hot microscope by Andrew Ross (1993): modern fly in 30MA amber
- ✦ <http://www.talkorigins.org/faqs/archaeopteryx/forgery.html>
- ✦ <http://www.strangescience.net/stfor2.htm>

Fossils by Rick Sardinha

www.selahministries.net



Fossils by Rick Sardinha

www.selahministries.net



Fossils by Rick Sardinha

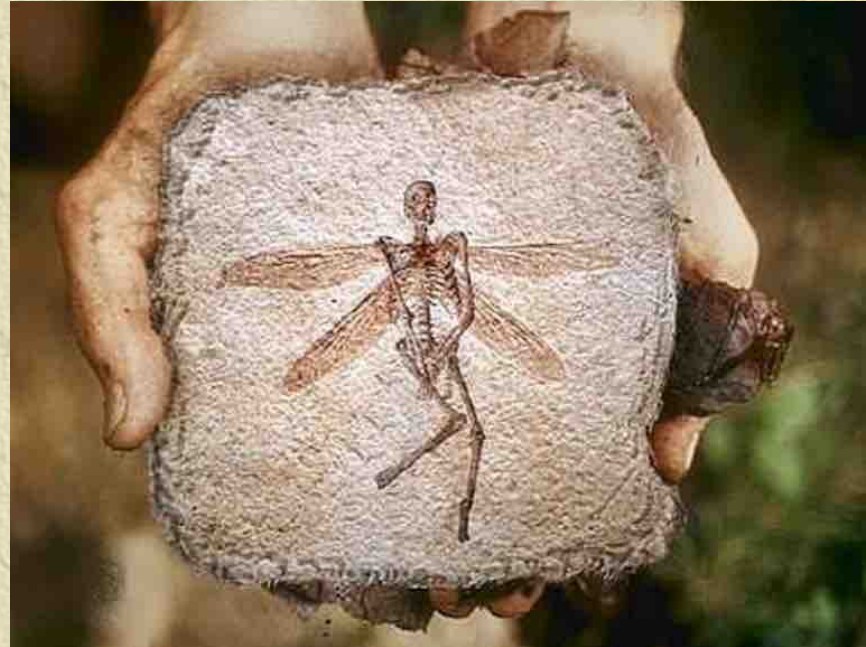
www.selahministries.net



Fossils



Real Dragon Fossils on Display in China picture, I always thought that they were a Mythical Creature! [More](#)



5. Fossils

<https://depositsmag.com/2015/12/19/fossil-fakes-and-their-recognition/>



Fig. 2. Specimens faked in their entirety: a. Fake *Kelchosaorus* made with resin; b. Fake *Andeaviva sailltaoetlis* mounted in resin; c. Cross section of a Moroccan trilobite fake mounted in resin; d. Fake hadrosaur nest of eggs made with concrete. This "nest" was sold on an auction website on the internet; e. Chinese trilobite carved in stone; f. Bolivian 'trilobite' with a reptile made of clay; g. Specimens of supposed fossil *shrimos Carboenacus*; h. Scorpion in resin, sold as if it came from authentic amber from the Baltic; i. Modern snake in resin claimed to be a fossil in amber; j. Skull of a dinosaur crocodviform made of plaster; k. Fake fossil bird sold on the internet; l. Fake fossil dragonfly; and m. Septarian concretion sold as a dinosaur coprolite.

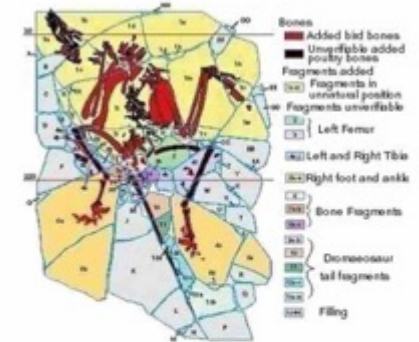
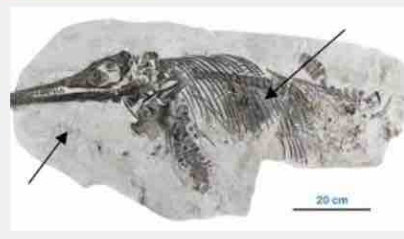
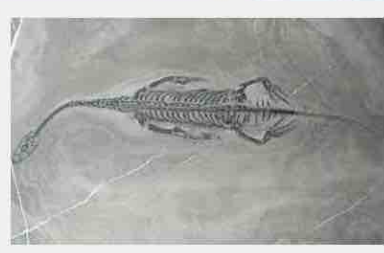
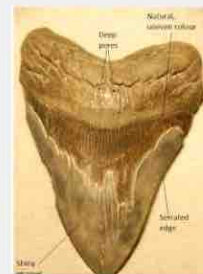
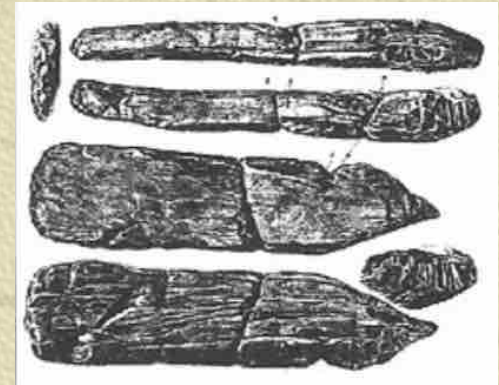
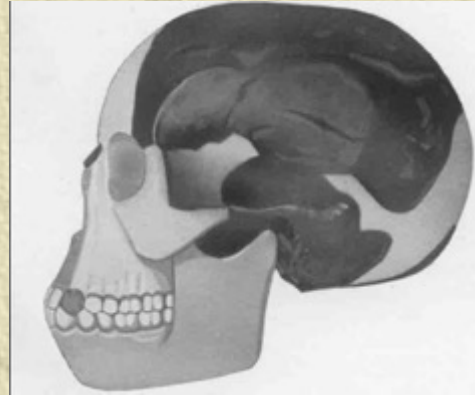


Fig. 1. Well-known fossil fakes: a. Faked fossil human footprint; b. Examples of Beringer's fake fossils; and c. *Archaeopteryx*, made of fossils belonging to different species, including at least one bird and a dromaeosaur.



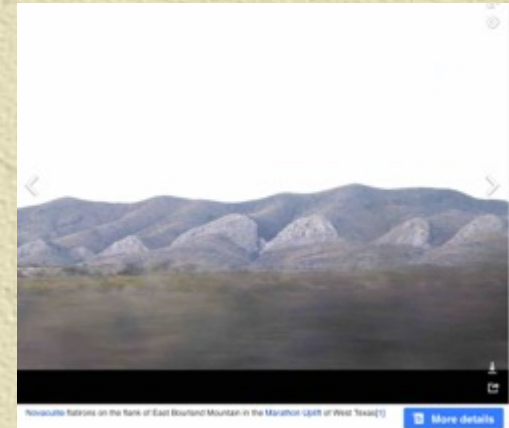


6. Archaeology – Piltdown Man, Bosnian Pyramids



Barlow, Eliot-Smith, Dawson, Smith-Woodward

Bosnian pyramids – Semir Osmanagic – widely refuted
- They are flatirons



Archaeology – Piltdown Man, Bosnian Pyramids

http://www.cracked.com/article_19672_5-ridiculous-archeological-frauds-that-fooled-world.html

Calaveras Skull

Cardiff Giant

Davenport Tablets

"Egyptian mummy" ca. 1898 at the Old Capitol Museum, Jackson, MS

Etruscan terracotta warriors in the Metropolitan Museum of Art

Glozel tablets, bearing prehistoric writing

Grave Creek Stone

Japanese Paleolithic hoax

Michigan relics

Persian Princess, forged ancient mummy, possible murder victim

Piltdown Man

Tiara of Saitaferne in Louvre

Geological Fakes and Frauds

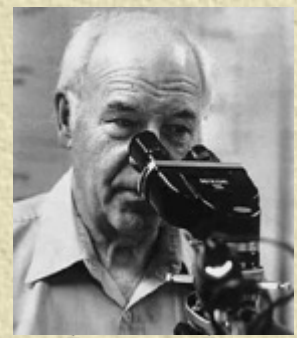
21st September 2016

Bristol

- Forensic Geology
 - Substitution case - Ehrenberg
 - Gems, mining, Bre-ex
 - Water, oil, gas, shale gas?
 - Fossils: Beringer, Cuvier, Deprat, Gupta,, amber and feathered dinosaurs
 - Archaeology: Piltdown Man; Bosnian Pyramids
 - - here is where we are - Art and Historic Fraud
- Baugh and Creationism
- Forensic Geoscience Group (GSL)**
Initiative on Forensic Geology (IUGS-UNESCO)

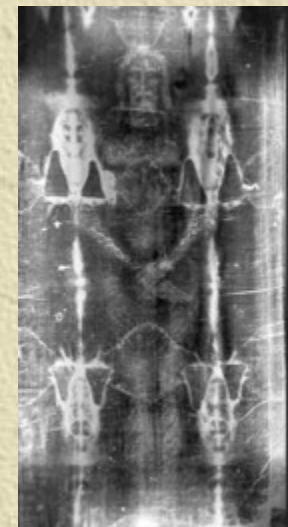


7. Art Fraud: Walter McCrone

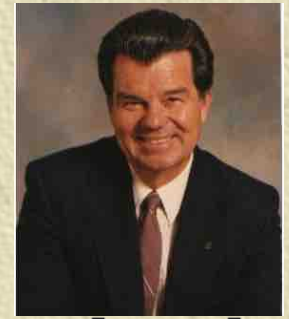


- ✦ Vinland Map – 15thC *mappa mundi* (Towe et al; Brown et al) – modern pigments
- ✦ Margaret Wieseman's 'A Man With Dead Birds'
- ✦ McCrone did the Turin Shroud work

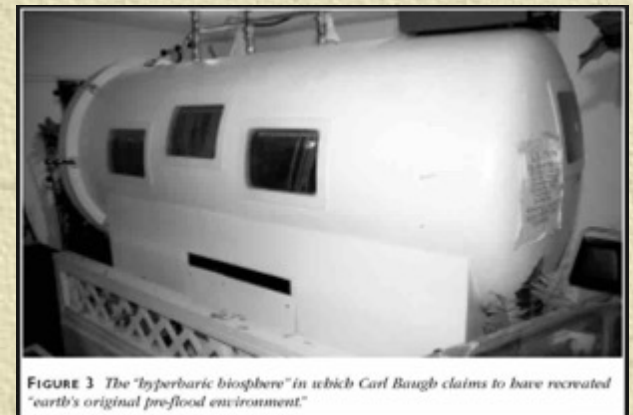
deHooch, overpainted by Regemorter x-ray analysis



8. Creationism



- ✦ Carl Baugh/George Adams – Creation Evidence Museum (1984); Trinity Broadcasting Network; Paluxy River T-Rex and human tracks; Ordovician miner's hammer; 'dinosaur' crocodile teeth; criticized by Creationists.



- ✦ <http://www.creationevidence.org>

- ✦ <https://www.texasobserver.org/tracking-creation-in-glen-rose/>



International Union of Geological Sciences (IUGS) Initiative on Forensic Geology (IFG)

Summary



Dr Laurance Donnelly

BSc (Hons), PhD, CGeol, CSci, EurGeol, FGS, FGSA
Chair, IUGS-IFG
Forensic Geologist & Police Search Adviser

Dr Alastair Ruffell

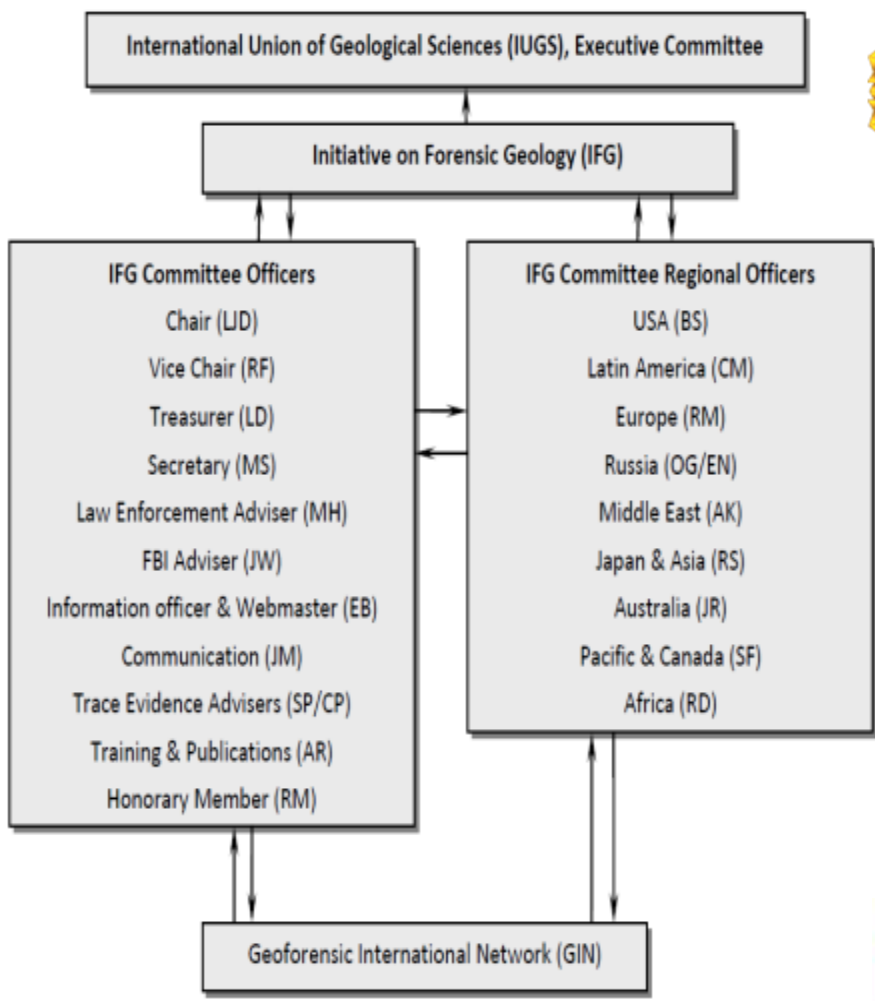
BSc (Hons), PhD, FGS
IUGS-IFG Committee Member
Queens University Belfast

International Union of Geological Sciences (IUGS)
Initiative on Forensic Geology (IFG)



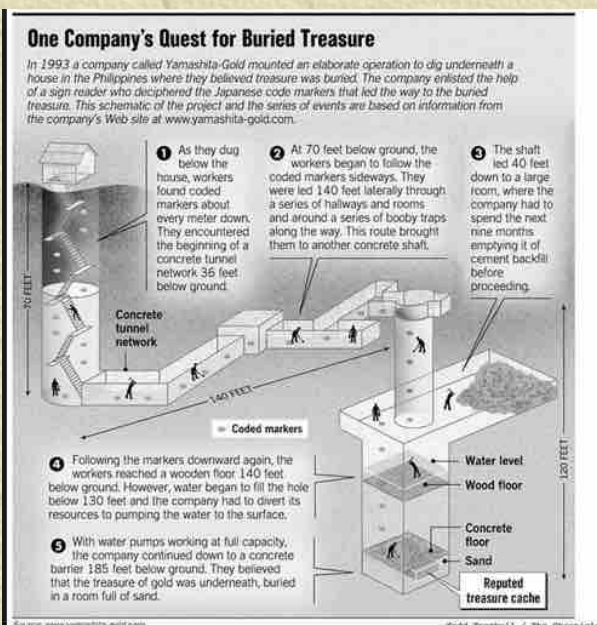
CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER CRIME SCENE DO NOT ENTER

IUGS-IFG Management & Structure



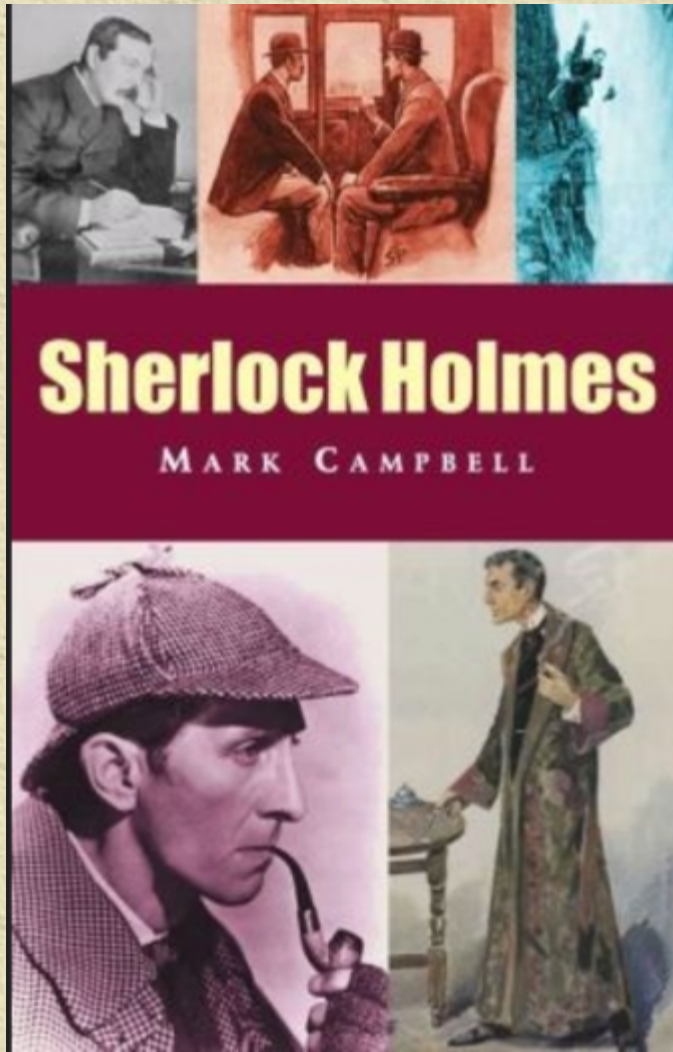
Forensic Geology or Geoforensic Science

- Search for buried or sunken objects
- Japanese Gold
- Crime Scene
- Sample (trace evidence)



<http://www.treasurenet.com/forums/maps/42587-ww2-japanese-treasure-maps-hidden-mindanao-philippines.html>

Faked Crime Scene



p.93-94. 50. The Problem of Thor Bridge

‘Observations: Doyle based this story on two sources ...

A faked German suicide related by Hans Gross in his book ‘Criminal Investigation’

Want to know more?

