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ORE DEPOSITS 101

Part 2 Layered

Complexes, Kimberlites

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ROCK Academy: Carbo
natite-Kimberlite-
Alnöite association at
Ås Jetty, Alnö
Diamonds, kimberlites,
and apartheid. By Cin-
Ty Lee

ROCK-Academy: Carbo
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Pyroxenite Association
in Northeast Alnö Why
Are There Diamonds In
Southwest Arkansas,
And How Did They Get

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There? Missouri
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Kimberlites 12mbs

ORE DEPOSITS 101 -
Part 2 - Layered
Complexes, Kimberlites
Kimberlites, Rare
Colorado Specimens!
Diamond's, Garnets in
the Ruff!

~~KIMBERLITE~~ Evan
Smith (keynote): "The
Formation of Type IIa
and IIb Diamonds"

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~~Paleobiology of Eocene
Kimberlites from the
Slave Province Our~~

Most Insane

DIAMOND Finds So

Far! ~~the yamashita~~

bolt. IS THERE

DIAMOND INSIDE?...

~~Is this Rock a Diamond?~~

~~Herkimer Diamond~~

~~Crystal Mining in New~~

~~York | Busting Quartz~~

~~out of rocks! Man~~

~~Thinks Red Rock Has~~

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~~Gold, What It Turns Out~~

~~To Be Leaves Him~~

~~Speechless~~ See how

diamonds are cut from

rocks How Do They

Mine Diamonds?

Diamonds in Yellow

and Blue Kimberlite

How Diamonds are

Formed - National

Geographic You Will

Find Diamonds If You

Come Across These

Plants Oligocene Bishop

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Conglomerate - The
Rocks of Utah Faculty
Lecture Series - Dr. Rob
Benson - 9/02/2009

CLASSIFICATION OF
MINERAL DEPOSITS

Crystallography :

Monoclinic system -

Gypsum Type Geologist

Andrew Jackson ORE

DEPOSITS Part 2

Layered Complexes,

Kimberlites ~~Where to~~

~~find diamonds, How to~~

Page 8/60

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~~Identify rough diamonds
and how to recover raw
diamond crystals~~ Rocks

and Minerals | Making a
Book ~~Public Lecture~~

~~January 2019: Quicquid
sub terra est~~ Nick

~~Rogers~~ Kimberlite

Terminology And
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Operations Kareevlei

hosts five known

diamondiferous

kimberlite pipes with a

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combined ... We also signed Heads of Terms with Delgatto Diamond Finance Fund LP ("DDFF"), a New York based fund ...

BlueRock Diamonds
Regulatory News
Volatiles play significant roles in modifying the composition of sub-continental lithospheric

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mantle, in the formation,
ascent and emplacement
of kimberlites ... and
experimental studies
permit a new ...

Department of Earth and
Environmental Sciences

These data will be
useful to an
understanding of the
relationships of living
species. Kimberlite
pipes, which are vertical

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structures of an igneous origin that were formed by the cooling of molten

...

Amphibians of Central and Southern Africa
Students are supported by further reading, a comprehensive glossary, and problems and review questions that test the application of theoretical approaches

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and encourage students
to use what they have ...

Ore Deposit Geology
Topics covered include
continental and oceanic
LIPs; their origins,
structures, and
geochemistry;
geological and
environmental effects;
association with silicic,
carbonatite and
kimberlite magmatism;

Read Book Kimberlite Terminology And Clification Large Igneous Provinces

We also signed Heads of Terms with Delgatto Diamond Finance Fund LP ("DDFF"), a New York based fund, to provide pre-sales finance that would enable us to have greater flexibility over when sales ...

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Diamonds PLC - Final
Results and Notice of
AGM

Varonis products
address additional
important use cases
including data
protection, data
governance, zero trust,
compliance, data
privacy, classification
and threat detection and

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Terminology...
response. Varonis...

And Clification

Varonis Announces

New Location in Cork
and Expects to Double
Headcount to 120

Employees Over Next
Three Years

VANCOUVER, BC /
ACCESSWIRE / June
7, 2021 / Banyan Gold
Corp. (the "Company"
or "Banyan") (TSX-
V:BYN) is pleased to

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announce the results
from five (5) diamond
drill holes received from
the ongoing ...

Banyan Gold Drills 1.03
g/t over 81.4 Metres,
Continuing to Expand
Powerline Minerlization
Footprint, Aurmac
Property, Yukon
My general area of
research is
geochemistry, but I have

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eclectic interests which range from forensic geology to archaeology.

Recent projects - characterizing the glass (Trinitite) produced during the ...

International Kimberlite Conferences (IKCs) are special events that are held across the world

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once in four to five years. IKC is the confluence platform for academicians, scientists and industrial personnel concerned with diamond exploration and exploitation, petrology, geochemistry, geochronology, geophysics and origin of the primary diamond host rocks and their entrained xenoliths and

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xenocrysts (including diamond) to get together and deliberate on new advances in research made in the intervening years. Ever since the organization of first IKC in 1973 and its tremendous success, the entire geological world eagerly look forward to subsequent such conferences with great enthusiasm and

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excitement. The scientific emanations from IKCs continue to make significant impact on our understanding of the composition, nature and evolution of the planet we live on. The previous conferences were held at Cape Town (1973), Santa Fe, New Mexico (1977), Clermont-Ferrand, France, (1982), Perth,

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Western Australia (1987), Araxa, Brazil (1991), Novosibirsk, Russia (1995), Cape Town (1998), Victoria, Canada (2003) and Frankfurt, Germany (2008). The 10th IKC was held at Bangalore, India between 5th and 11th February 2012. The conference was organized by the Geological Society of

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India in association with the government organizations, academic institutions and Indian diamond mining companies. About 300 delegates from 36 countries attended the conference and 224 papers were presented. The papers include 78 oral presentations and 146 poster presentations on following topics:

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Kimberlite geology,
origin, evolution and
emplacement of
kimberlites and related
rocks, petrology and
geochemistry of
metasomatised
lithospheric mantle
magmas, diamond
exploration, cratonic
roots, diamonds,
diamond mining and
sustainable
developments and

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terminology and governance
of diamond exploration.

Pre- and post-

conference field trips

were organized to (i) the

diamond bearing

kimberlites of Dharwar

Craton in South India,

(ii) lamproites of

Bundelkhand Craton in

northern India and (iii)

diamond cutting and

polishing industry of

Surat, Gujarat in

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western India. A series of social and cultural programmes depicting cultural diversity of India were organized during the conference. The Kimberlite fraternity enjoyed yet another socially and scientifically successful conference.

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roots, diamonds,
diamond mining and

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developments and
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This remarkable volume presents the first revision to the classification system of diamond-bearing rocks in over eighty years. Presenting the latest mineralogical data, this book offers a detailed description of the mineralogy and geochemistry of kimberlites, orangeites, and lamproites. Several

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hundred new analyses of minerals in orangeites are included. This volume follows the publication of Kimberlites, by R.H. Mitchell, and Petrology of Lamproites, by R.H. Mitchell and S.C. Bergman, concluding the trilogy.

Decades of field and microscope studies, and

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more recent quantitative geochemical analyses have resulted in a vast, and sometimes overwhelming, array of nomenclature and terminology associated with igneous rocks. This book presents a complete classification of igneous rocks based on all the recommendations of the International Union of

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Terminology
(IUGS) Subcommission
And Classification

Geological Sciences
(IUGS) Subcommission
on the Systematics of
Igneous Rocks. The
glossary of igneous
terms has been fully
updated since the first
edition and now
includes 1637 entries, of
which 316 are
recommended by the
Subcommission.
Incorporating a
comprehensive

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bibliography of source references for all the terms included in the glossary, this book is an indispensable reference guide for all geologists studying igneous rocks, either in the field or the laboratory. It presents a standardised and widely accepted naming scheme that will allow geologists to interpret terminology in the

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primary literature and provide formal names for rock samples based on petrographic analyses. It is also supported by a website with downloadable code for chemical classifications.

This is a book about the petrology of kimberlites.

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It is not about upper mantle xenoliths, diamonds, or prospecting for kimberlites. The object of the book is to provide a comprehensive survey and critique of the advances which have been made in kimberlite studies over the last twenty-five years.

Kimberlites are rare rock types; however,

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Their relative obscurity is overridden by their economic and petrological importance to a degree which is not shared with the commoner varieties of igneous rocks.

Kimberlites are consequently of interest to a diverse group of earth scientists, ranging from isotope geochemists concerned

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with the evolution of the
mantle, to
volcanologists

pondering the origins of
diatremes, to

exploration geologists
seeking new

occurrences of the
diamondiferous

varieties. A common
factor essential to all of
these activities is a
thorough understanding
of the characteristics of

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kimberlites. For the petrologist, kimberlites are exciting and challenging objects for study. Their petrographic diversity, complex mineralogy and geochemistry, and unusual style of intrusion provide endless opportunities for stimulating hypothesis and conjecture concerning their origin

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and evolution.

Kimberlites are a part of a wide spectrum of continental intra-cratonic magmatism.

Only by understanding all of the parts of this activity in detail may we make progress in our understanding of the whole.

Mineral Deposits of
Finland is the only up-to-

Page 45/60

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date and inclusive reference available that fully captures the scope of Finland's mineral deposits and their economic potential.

Finland hosts Europe's most mature rocks and large cratonic blocks, analogous to western Australia and Southern Africa, which are the most mineralized terrains on Earth.

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Authored by the world's premier experts on Finnish mineral exploration and mining, *Mineral Deposits of Finland* offers a thorough summary of the mineral deposits and their petrogenesis, helping readers to map, explore, and identify Finland's renewed potential for mineral exploration and

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extraction. Presents a thoroughly inclusive catalogue of Finland's mineral deposits and their economic potential. Features full-color figures, illustrations, working examples and photographs to aid the reader in retaining key concepts to underscore major advances in the exploration of Finland's mineral resources. Offers

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concise chapter summaries authored by leaders in geological research, which provide accessible overviews of deposit classes

Encyclopedia of Geology, Second Edition presents in six volumes state-of-the-art reviews on the various aspects of geologic research, all of which

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have moved on considerably since the writing of the first edition. New areas of discussion include extinctions, origins of life, plate tectonics and its influence on faunal provinces, new types of mineral and hydrocarbon deposits, new methods of dating rocks, and geological processes. Users will

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find this to be a fundamental resource for teachers and students of geology, as well as researchers and non-geology professionals seeking up-to-date reviews of geologic research. Provides a comprehensive and accessible one-stop shop for information on the subject of geology, explaining

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methodologies and technical jargon used in the field Highlights connections between geology and other physical and biological sciences, tackling research problems that span multiple fields Fills a critical gap of information in a field that has seen significant progress in past years Presents an ideal

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reference for a wide range of scientists in earth and environmental areas of study

Physics and Chemistry of the Earth investigates the physics and chemistry of the earth, with emphasis on kimberlite and xenolith geology. Topics covered range from field geology to mineralogy

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and geochemistry,
diamond inclusions, and
experimental and
theoretical petrology.

Diatreme emplacement
by fluidization is also
discussed, along with
the chemistry and
genesis of opaque
minerals in kimberlites;
light element
metasomatism of the
continental mantle; and
primary and secondary

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phlogopites and
clinopyroxenes in garnet
lherzolite xenoliths.

Comprised of 59
chapters, this volume
begins with a
description of a model
of a kimberlite pipe that
depicts a hypothetical
pipe having a diameter
of 300 m at a level
equivalent to the post-
erosional surface of the
major pipes in the

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Kimberley area, South Africa. Subsequent chapters explore the formation of phreatomagmatic maar-diatreme volcanoes and its relevance to kimberlite diatremes; emplacement of some diatreme-facies kimberlites; irregular patterns of magmatism in southwestern United States; and the

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chemistry of titanium-poor spinels, ilmenites, and rutiles from peridotite and eclogite xenoliths. Chromite-silicate intergrowths in upper mantle peridotites are also analyzed. The final chapter is devoted to theoretical aspects of gaseous and isotopic equilibria in the system C-H-O-S, with application to

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kimberlite. This book will be of interest to physicists and geophysicists, chemists and geochemists, geologists, and earth scientists.

Volume 1 of this special issue of *Lithos*, dedicated to Roger Clement, presents papers describing the geology and

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emplacement of several of the recently discovered kimberlites in northern Canada in which diamond mines are now operating.

Other papers are concerned with the petrography, age of emplacement, geochemistry and petrogenesis of kimberlites from Canada and other

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worldwide localities.

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