



Hizenite-(Y),  $\text{Ca}_2\text{Y}_6(\text{CO}_3)_{11} \cdot 14\text{H}_2\text{O}$ , a new mineral in alkali olivine basalt from Mitsukoshi, Karatsu, Saga Prefecture, Japan  
Yasuhiro TAKAI and Seiichiro UEHARA

## LETTERS

**Evidence of the lawsonite eclogite facies metamorphism from an epidote-glaucophane eclogite in the Kotsu area of the Sanbagawa belt, Japan**

Shigeki TSUCHIYA and Takao HIRAJIMA

**Oxygen fugacity and valence state of chromium in ferropericlasite: Can  $\text{Cr}^{2+}$  be a redox indicator for the deep mantle?**

Hiroyuki KAGI, Shoko ODAKE, Hidemi ISHIBASHI, Katsumi SHOZUGAWA, Motoyuki MATSUO, Wataru SATAKE, and Takashi MIKOUCHI

**U-Pb detrital zircon dating of pelitic schists and quartzite from the Kurosegawa Tectonic Zone, Southwest Japan**

Aya YOSHIMOTO, Yasuhito OSANAI, Nobuhiko NAKANO, Tatsuro ADACHI, Kazuhiro YONEMURA, and Hideo ISHIZUKA

**EPMA U-Th-Pb monazite dating of metamorphic rocks from the Mogok Metamorphic Belt, central Myanmar**

Kazuhiro YONEMURA, Yasuhito OSANAI, Nobuhiko NAKANO, Tatsuro ADACHI, Punya CHARUSIRI, and Tun Naing ZAW

## Vol. 108, no. 4, August 2013

## ORIGINAL ARTICLES

**High-pressure garnet amphibolite from the Funaokayama unit, western Kii Peninsula and the extent of eclogite facies metamorphism in the Sanbagawa belt**

Shunsuke ENDO, Izabella NOWAK, and Simon R. WALLIS

**Melting of the Martian mantle from 1.0 to 4.5 GPa**

Kyoko N. MATSUKAGE, Yoko NAGAYO, Matthew L. WHITAKER, Eiichi TAKAHASHI, and Toshisuke KAWASAKI

**Cr-rich magnesioaktophorite as an indicator of mantle metasomatism by hydrous Na-rich carbonatite**

Murad ALI and Shoji ARAI

**Dendritic magnetite crystals in rapid quenched fine spherules produced by falling experiments through the high temperature furnace with controlled gas flow.**

Hiroshi ISOBE and Takaaki GONDO

## LETTER

**Li tourmaline from Nagatate, Fukuoka Prefecture, Japan**

Yohei SHIROSE and Seiichiro UEHARA

## GENERAL ASSEMBLY OF THE SOCIÉTÉ FRANÇAISE DE MINÉRALOGIE ET DE CRISTALLOGRAPHIE

The general assembly of the SFMC was held at the Université Pierre et Marie Curie, Paris, on 2 July 2013. Marc Blanchard, secretary, welcomed the members in the name of Bruno Goffé, president of the Society. The 2012 budget was presented by Stéphanie Rossano, treasurer. Then, Marc Blanchard reported on the main actions in 2012. The most remarkable event organized by the Society was the third edition of Serpentine Days, held on Porquerolles Island, France, on 2–6 September 2012 (see *Elements* v8n6). The implication of the Society in conferences and schools was also detailed at the meeting. After these formal reports, the Haüy-Lacroix Prize for the year's best PhD theses in mineralogy was awarded by Etienne Balan, jury chairman, to Julien Feneyrol and Pierre Lanari (photo). The two laureates gave short overviews of their work, followed by general presentations on the topics by their supervisors, Gaston Giuliani and Olivier Vidal.



Left to right: Julien Feneyrol, Etienne Balan, and Pierre Lanari

**Julien Feneyrol** (Université de Lorraine) – “Pétrologie, géochimie et genèse des gisements de tsavorite associés aux gneiss et roches calcosilicatées graphiteux de Lemshuku et Namalulu (Tanzanie)”

Tsavorite is a (V, Cr, Mn)-bearing green grossular and a gemstone mined within the Neoproterozoic Mozambique belt. A complete study of the Lemshuku and Namalulu deposits in northeastern Tanzania shows that tsavorite deposits formed during metamorphism and metasomatism of silico-calcareous sedimentary sequences, enriched in organic matter and containing evaporite intercalations, which are interpreted as coastal-marine sabkha formations on the eastern margin of Congo and Kalahari cratons during Neoproterozoic time (<http://neon.crpq.cnrs-nancy.fr/MEMOIRES>).

**Pierre Lanari** (Université de Grenoble) – “Micro-cartographie  $P$ - $T$ - $\epsilon$  dans les roches métamorphiques: Applications aux Alpes et à l’Himalaya”.

The topic of this thesis is the construction of detailed  $P$ - $T$  paths in metamorphic rocks by combining forward and inverse modelling techniques using micro-structural characterization of successive local equilibria and a micro-mapping approach. New solid solution models were derived and a set of programs was developed, such as XMapTools for the microprobe X-ray image processing, which were successfully used to decipher the metamorphic history of metamorphic rocks from the Alps and the Himalaya (<http://tel.archives-ouvertes.fr>).

## ASIA OCEANIA GEOSCIENCES SOCIETY 11<sup>th</sup> Annual Meeting

Sapporo, Japan

28 July–August 1, 2014

[www.asiaoceania.org/society/index.asp](http://www.asiaoceania.org/society/index.asp)