



# ASH FALL

*Newsletter of the Volcanology Division  
Geological Association of Canada*

ASH FALL 26

SEPT 1990

## VOLCANOLOGY DIVISION GREEK ISLANDS FIELD TRIP

The Volcanology Division of the GAC is presenting a tour of the Greek islands in May 1991. The itinerary will be directed by Karen Stamatelopoulou-Seymour, an expert on the area.

This tour will include a number of classic volcanic localities as well as more recently described back-arc sections. Family members are welcome to join and should find the trip an adventure into modern and classic eras.

Thirty-six geologists and family members are invited to join in this unique venture. The tour package is expected to cost approximately Cdn. \$3,000.00. To reserve a space you must subscribe Cdn. \$300.00 as a down payment before October 15, 1990. Send your name (s) and down payment (payable to Sinfonia Travel) to:

:

Edward W. Grove, Sec./Treas.  
Volcanology Division, GAC  
4581 Boulderwood Drive  
Victoria, B.C. V8Y 3A5

In the event of oversubscription first preference will be given to Volcanology Division members and family. The tour can be joined in Athens and those wishing to do so can stay on after the tour as they wish.

## VOLCANOLGY DIVISION 1991 GREEK ISLANDS FIELD TRIP

### GEOLOGY OUTLINE

- May 11 Tour participants meet in Athens airport and overnight in the Athens area.
- May 12 Quaternary agglomerates, dacitic domes, Methana Peninsula, and Mesozoic flysch and limestone and related serpentinites, basaltic andesites on island of Poros.
- May 13 Pumice air-fall deposits and ash flow tuffs on island of Kos.
- May 14 Island volcano of Nisyros; pumice quarries, felsic dome and flows of Vali caldera, internal walls of Nisyros caldera, and geothermal sites; phreatomagmatic cones, and St. Irer sulfur quarry.
- May 15 Volcanic cross-sections from Mandraki to Nikia on Nisyros; volcanic petrology near Palos.
- May 16 Post caldera rhyodacite domes and flows at Mandraki, caldera view; lowest exposed stratigraphy on island of Nisyros; pillows and hyaloclastite breccia near Mandraki.
- May 17 Day off to visit Athens sights.
- May 18 Examine cross-section through Main Series of Santorini volcano, island of Thera; geology of Neia Kamena active volcano (1950's) and Palea Kamena hot springs; examine selected sections on Theresia Island.
- May 19 Thera island; visit Akrotiri rhyodacite ash flow tuffs and dacitic lavas, visit excavated city of Akrotiri (Minoan eruption covered city in pumice); visit basement rocks and volcanic features of SSE Santorini; visit Skatos caldera.
- May 20 Examine selected volcanic sections of Megalo Vuono, Mikros, Profitis Ilias and Skaros volcanoes on Thera.
- May 21 Temple of Poseidon.
- May 22 Examine selected sections of high potassium back-arc volcanics on island of Lesbos.
- May 23 Lesbos - late afternoon return to Athens area.
- May 24 Visit Aegina Volcano, examine intermediate flows and domes on northern part of Aegina island, return to Athens area.
- May 25 Return to Toronto for GAC or stay on (as you wish).

## VOLCANOLOGY DIVISION 1991 GREEK ISLANDS FIELD TRIP

### TRAVEL OUTLINE

May 11	Arrive Athens.	overnight Athens area
May 12	Athens (by boat) to Methana/Poros	overnight Athens area
May 13	Athens (fly) to Kos	overnight Kos
May 14	Kos (by boat) to Mandraki (Nisyros)	overnight Mandraki
May 15	Mandraki (road) Nikia, Palos	overnight Mandraki
May 16	Mandraki (walk) Panyia-Kos (fly) to Athens	overnight Athens area
May 17	Day off to see Athens	overnight Athens area
May 18	Athens (fly) to Thera (Fira), boat to Neakomini boat - Paleakamini	overnight Fira
May 19	Fira (by bus) Akrotiri, SSE Santorini, Skatos	overnight Fira
May 20	Fira (fly) to Athens, bus to Oia, Megalo Vouno & Mikros, Profitis Ilias, & Skavos volcano, Thera (fly) to Athens	overnight Athens area
May 21	Athens to Temple Poseidon	overnight Athens area
May 22	Athens (fly) to Lesbos	overnight Lesbos
May 23	Lesbos (late afternoon flight) to Athens	overnight Athens area
May 24	Athens (by boat) to Aegina Volcano, north Aegina, temple of Aphaioi, south island flows (by boat) to Athens	overnight Athens area
May 25	Athens (fly) to Toronto	
Summary:	8 nights Athens area, 1 night Kos, 2 nights Mandraki, 2 nights Fira, 1 night Lesbos Total 14 nights in Greece	