

## VOLCANOLOGY AND SEISMOLOGY

July—August

1989 • № 4

Editor-in-Chief S. A. FEDOTOV

## CONTENTS

<b>Nikitina L. P., Menyailov I. A., Shapar' V. N.</b> Modified Methods of Sampling and Analysis of Volcanic Gases	3
<b>Budnicov V. A.</b> Facies of Pyroclastic: Their Dependence on the Type and Dynamics of Volcanism	16
<b>Grib E. N.</b> Composition and Conditions of Lava Crystallization at Volcanic Edifices in the North Mutnovskii Volcano-Tectonic Zone	29
<b>Esikov A. D., Karpov G. A., and Cheshko A. L.</b> Isotopic and Hydrochemical Study of Hydrothermal Activity in the Uzon Caldera (Kamchatka). II. Hydroisotopic Model for the Uzon Caldera Hydrothermal System	43
<b>Strel'tsov M. I.</b> Seismic Dislocations in the Kuril-Kamchatka Island Arc	59
<b>Kopnichev Yu. F.</b> The Nature of Short-Period P-Wave Coda at Distances up to 3000 km	74
<b>Lemzikov V. K. and Gusev A. A.</b> Energy Classification of Close Kamchatka Earthquakes Based on Coda-Wave Level	83
<b>Gordeev E. I., Saltykov V. A., Sinitsyn V. I., and Chebrov V. N.</b> Temporal and Spatial Characteristics of Volcanic Tremor Wave Fields	98

Адрес редакции

683006, Петропавловск-Камчатский, бульвар Пийпа, 9,  
Институт вулканологии, тел. 3-90-12

103062, Москва, Подсосенский пер., 21, тел. 120-05-95

Зав. редакцией *А. С. Андреева*