Contents

Preface Eikichi Tsukuda and Yuichi Sugiyama	Page i-ii
Paleoseismological study on the Kuromatsunai fault zone in southwestern Hokkaido, northern Japan Takashi Azuma, Koichi Shimokawa, Akira Sangawa, Yuichi Sugiyama, Takuichiro Kuwabara Yuichiro Koji Okumura, Hideki Kurosawa, Dai Nobuoka and Atsushi Miwa	
Most recent faulting event of the Nagamachi-Rifu Line fault zone at Iwakiri site, Sendai, northeast Japan –a preliminary report-Yasuo Awata, Masaru Saito and MATSUURA Kazul	xi 23-32
High-resolution shallow seismic reflection profiling and boring surveys for the subsurface geologic structure at the southern margin of the Ohchigata fault zone, Ishikawa Prefecture Kiyohide Mizuno, Koichi Shimokawa, Takashi Azuma, Yuichi Sugiyama Hideki Katagawa, Toshiharu Shibata, Susumu Yoshida and Masaaki Hamad	
Paleoseismological study of the southwestern part of the Ushikubi fault on Toyama/Gifu prefectural border (1) - Geomorphological and geological survey- Yukari Miyashita, Toshikazu Yoshioka, Takuichiro Kuwabara, Yoshihiko Kariya, Kazuki Matsuura, Miyoshi Yoshimura and Nobukazu Takase	
Paleoseismological study of the southwestern part of the Ushikubi fault on Toyama/Gifu prefectural border (2) - A preliminary report of trench excavation surveys at Ushikubi and Mizunashi sites- Yukari Miyashita, Toshikazu Yoshioka, Takuichiro Kuwabara Yoshihiko Kariya, Koji Fujita and Tatsuro Chiba	
Paleoseismological study of the Sakaitoge fault at Hososhima site in Kiso Village, Nagano Prefecture central Japan Toshikazu Yoshioka, Kiyohide Mizuno, Masanobu Shishikura Tatsuya Ishiyama, Takashi Hosoya and Tomoo Hashimoto	a,
Paleoseismological study of the Kiso-sanmyaku-seien fault zone -Trenching study at Oki site across the Agematsu fault- Masanobu Shishikura, Shinji Toda, Setsuji Nagai Manabu Nikaido, Nobukazu Takase and Toru Tachibana	
Complementary study of the Uemachi fault system in the Osaka Basin (1) -P-wave and S-wave seismic reflection survey in the alluvial lowland along the Ishizu River- Yuichi Sugiyama, Futoshi Nanayama, Naoko Kitao Keiji Takemura, Hiroshi Yokota and Masaki Suehin	
Complementary study of the Uemachi fault system in the Osaka Basin (2) -Evaluation of the fault activity based on supplementary boring and re-interpretation of S-wave seismic reflection data- Yuichi Sugiyama, Futoshi Nanayama, Kenichiro Miura, Takeshi Yoshikawa Hiroshi Yokota, Masaki Suehiro, Masakazu Furutani,Yasuhiro Tochimoto Koutarou Hirose, Yoshiharu Yokoyama, Naoko Kitada and Keiji Takemu),
Geometry and kinematics of the Uemachi and Ikoma fault zones beneath Metropolitan Osaka, central Japan Tatsuya Ishiyam	a 145-155
Geodetic surveys of crustal deformation associated with the 2000 Tottori-ken Seibu earthquake Yuichiro Fusejima, Haruko Sekiguchi, Yasuo Awata and Yuichi Sugiyama	157-162
Geological structure of the epicentral area of the 2000 Tottori-ken Seibu earthquake Kenta Kobayashi, Yasutaka Aizawa, Kengo Umetsu, Atsuko Oyama and Ryo Yamamo	to 163-174
Preliminary report on geological surveys for the activities of the Oharako fault zone, Yamaguchi Prefecture	
Kiyohide Mizuno, Koichi Shimokawa, Eikichi Tsukuda, Taku Komatsubara Ken Niimi, Motoi Inoue, Hirohisa Kinoshita, Noriko Matsuyama and Yuji Kanaori	

Composition and structure of the active fault database of AFRC Toshikazu Yoshioka, Yuichiro Fusejima, Yasuo Awata and Fujika Miyamoto	185-190
Coseismic surface deformation and engineering damage associated with the large strike-slip faulting: Lessons from the 2001 Mw 7.8 Central Kunlun earthquake Bihong Fu, Yasuo Awata, Ken-ichi Kano, Aiming Lin and Eikichi Tsukuda	191-209
Dinong I u, Tasuo Awata, Ken-teni Kano, Anning Em and Eikiem Tsukuda	171-207
Fault geometry and slip-distribution along the 1944 Bolu-Gerede surface rupture, North Anatolian fault system, TurkeyHisao Kondo, Yasuo Awata, Omer Emre, Ahmet Dogan, Selim Ozalp, Fatma Tokay, Cengiz Yildirim, Koji Okumura and Toshikazu Yoshioka	211-223
A three-dimensional subsurface structure model beneath the Osaka sedimentary basin, southwest Japan, with fault-related structural discontinuities	
Haruo Horikawa, Kiyohide Mizuno, Tatsuya Ishiyama, Kenji Satake, Haruko Sekiguchi, Yuko Kase, Yuichi Sugiyama, Hiroshi Yokota, Masaki Suehiro, Takanobu Yokokura, Yo Iwabuchi, Naoko Kitada and Arben Pitarka	225-259
Simulation of rupture process in heterogeneous stress field estimated from active fault information: Application to the Uemachi and Ikoma fault systems	
Yuko Kase, Haruko Sekiguchi, Tatsuya Ishiyama, Haruo Horikawa, Kenji Satake and Yuichi Sugiyama	261-272
Heterogeneous slip and stress drop distribution for scenario earthquakes on active faults based on geological data Haruko Sekiguchi, Yuko Kase, Haruo Horikawa, Tatsuya Ishiyama, Kenji Satake and Yuichi Sugiyama	273-284
Nine tsunami sand deposits in peat layers at the historic site of Kokutaiji Temple in Akkeshi Town, eastern Hokkaido, and their correlation with regional tsunami events	
Yuji Soeda, Futoshi Nanayama, Kiyoyuki Shigeno, Ryuta Furukawa, Nobuhiro Kumasaki, Yasuo Tsutsumi, Hiroshi Kurumazuka, Yuki Sawai, Kenji Satake, Mitsuru Nakagawa, Goro Yamada, Minoru Katsuragawa, Morio Akamatsu and Masayuki Ishii	285-296
Tsunami traces in the 17th century and evaluations of their inundation limits from distribution of event deposits along the southern Tokachi coasts, eastern Hokkaido, northern Japan	
Futoshi Nanayama, Kiyoyuki Shigeno, Yuji Soeda, Ryuta Furukawa, Hisayo Okahashi, Kenichi Saito, Yoshiharu Yokoyama, Kenji Satake and Mitsuru Nakagawa	297-314
Source models of the unusual tsunami in the 17th century in eastern Hokkaido Kenji Satake, Futoshi Nanayama and Shigeru Yamaki	315-362
Postscript Yuichi Sugiyama	364