

**Program of the Eighth Symposium on Antarctic Geosciences,
held at the National Institute of Polar Research, Tokyo,
October 22-23, 1987**

- I. Geomorphology of the Sør Rondane Mountains
 1. Measurements on present-day geomorphic processes in the Sør Rondane Mountains, East Antarctica (second report). Norikazu MATSUOKA, Kiichi MORIWAKI, Shuji IWATA and Kazuomi HIRAKAWA.
 2. Reconstruction of maximum glacial extent in the central Sør Rondane Mountains, East Antarctica. Kazuomi HIRAKAWA, Norikazu MATSUOKA and Kiichi MORIWAKI.
 3. Glacier fluctuations in the Sør Rondane Mountains. Kiichi MORIWAKI, Kazuomi HIRAKAWA, Shuji IWATA and Norikazu MATSUOKA.
 4. The salts in the Sør Rondane Mountains, their distribution and relationship to weathering processes. Norikazu MATSUOKA and Kazuomi HIRAKAWA.
- II. Geology of the Sør Rondane Mountains
 5. Metamorphic rocks from the central part of the Sør Rondane Mountains. Yasuhito OSANAI, Yuhei TAKAHASHI and Tohru SAKIYAMA.
 6. Plutonism of the central part of the Sør Rondane Mountains. Yuhei TAKAHASHI, Tohru SAKIYAMA and Yasuhito OSANAI.
- III. Geology of East Queen Maud Land
 7. Two-pyroxene gneiss from the Belgica Mountains. Masao ASAMI, Hideyasu KOJIMA and Keizo YANAI.
 8. Trace elements in plutonic rocks and basic metamorphic rocks of Belgica Mountains. Masatsugu OGASAWARA, Hideyasu KOJIMA, Keizo YANAI and Tamio NISHIDA.
 9. Nickel sulfides in pyroxenite from Langhovde, Antarctica. Satoshi MATSUBARA and Yoichi MOTOYOSHI.
 10. Intergrowth of quartz and garnet in pegmatite, Nesöya Island, East Antarctica. Morihisa SUZUKI and Yukio MATSUMOTO. (Canceled)
 11. Late Proterozoic mafic dikes from the eastern Queen Maud Land, East Antarctica. Kazuyuki SHIRAIISHI, Satoshi KANISAWA, Ken'ichi ISHIKAWA, Yoshikuni HIROI and Keizo YANAI.
 12. Petrological studies on chlorine-rich calcic amphiboles. Kanenori SUWA and Masaki ENAMI.
 13. Rb-Sr whole rock ages of metamorphic rocks from eastern Queen Maud Land, East Antarctica (2). Takashi NAKAJIMA, Ken SHIBATA, Kazuyuki SHIRAIISHI, Yoichi MOTOYOSHI and Yoshikuni HIROI.
- IV. Earth Sciences of the Dry Valleys
 14. Geomorphic elements in the Dry Valleys region, Antarctica: With reference to geomorphological mapping program. Yoshio YOSHIDA, Kiichi MORIWAKI and Norikazu MATSUOKA.
 15. Chemical characteristics of pond waters in the Labyrinth of southern Victoria Land, Antarctica. Shu NAKAYA, Tetsuya TORII, Osamu MATSUBAYA, Genki I. MATSUMOTO, Noriyasu MASUDA, Tamio KAWANO and Haruta MURAYAMA.
 16. Environmental radioactivity in Antarctica. Takeo HASHIMOTO, Tetsuya TORII, Katsumi YOSHIMIZU, Takao MORIMOTO and Yoshihiro IKEUCHI.
- V. Geophysical Research
 17. Distribution of geomagnetic anomaly in the Antarctic sea. Takeshi MATSUMOTO and Katsutada KAMINUMA.
 18. Gravity mapping around the Japanese Antarctic stations. Yoichi FUKUDA, Jiro SEGAWA and Katsutada KAMINUMA.

19. Preliminary report of local seismic activity around Syowa Station, East Antarctica. Junpei AKAMATSU, Soji YOSHIKAWA and Katsutada KAMINUMA.
- VI. Antarctica and Gondwana Land
 20. Petrology of dolomitic marbles from the Kasumi Rock in the Prince Olav Coast, East Antarctica. Yoshikuni HIROI, Hideyasu KOJIMA, Keizo YANAI and Tamio NISHIDA.
 21. Petrologic correlation between the area around Syowa Station, Antarctica, and Sri Lanka. Yoshikuni HIROI, Masaru YOSHIDA and P. W. VITANAGE.
 22. Geological and geophysical survey in the Amundsen Sea (I). Yasuo TAMURA, Ikuro MIZUKOSHI, Kazuo YAMAGUCHI, Shoshiro SHIMIZU, Tetsuro TSURU and Hitoshi OKAMURA.
 23. Geological and geophysical survey in the Amundsen Sea (II). Yasuo TAMURA, Ikuro MIZUKOSHI, Kazuo YAMAGUCHI and Hitoshi OKAMURA.
 24. Geology around the South Georgia Island: A review. Motoki ARAKAWA and Satoru KOJIMA.
 25. Paleomagnetic study of Lützow-Holm Bay region. Minoru FUNAKI and Peter WASILEWSKI.
 26. Paleomagnetism of Beacon Supergroup remagnetized at Jurassic age. Hideo SAKAI, Minoru FUNAKI and Kimio HIROOKA.
- VII. Earth Sciences of West Antarctica
 27. Metasomatic reactions between basanite magmas and upper mantle xenoliths from the McMurdo volcanics. Kiyooki NIIDA.
 28. Gravity survey in Ross Island, Antarctica: Results from 1982–1987 surveys. Satoshi MIURA, Katsutada KAMINUMA and Etsuro KOYAMA.
 29. Temperature measurements in the crater of Mt. Erebus by a infrared thermometer. Satoshi MIURA, Katsutada KAMINUMA and Raymond R. DIBBLE.
 30. Earthquake swarms on Mount Erebus, Antarctica. Katsumi MURAKAMI and Katsutada KAMINUMA.
 31. The structure of Mount Erebus from seismic explosions. Katsutada KAMINUMA, Kazuo SHIBUYA and Katsumi MURAKAMI.
 32. Eruption mechanism of Mount Erebus. Katsutada KAMINUMA, Satoshi MIURA and Raymond R. DIBBLE.
- VIII. Antarctic Geoscience Transects Workshop
 33. Antarctic geoscience transects of the QML. Katsutada KAMINUMA.
 34. Geological structure. Kazuyuki SHIRAISHI.
 35. The structure deduced through seismic explosion experiments. Akira IKAMI.
 36. The structure of ocean area. Takeshi MATSUMOTO.