

**Program of the Seventh Symposium on Antarctic Geosciences,  
held at the National Institute of Polar Research, Tokyo,  
October 2-3, 1986**

- I. Petrological Studies around Syowa Station
  1. Geochemistry of basic metamorphic rocks from Prince Olav Coast, East Antarctica. (1) Major elements. Ken'ichi ISHIKAWA and Satoshi KANISAWA.
  2. Geochemistry of basic metamorphic rocks from Prince Olav Coast, East Antarctica. (2) Minor elements. Ken'ichi ISHIKAWA, Takeyoshi YOSHIDA and Satoshi KANISAWA.
  3. Petrochemical characteristics of some ultramafic granulites in Ongul Islands, East Antarctica. Morihisa SUZUKI.
  4. Textures and reactions of minerals in calc-silicate rocks from the Proterozoic Lützow-Holm Complex, East Antarctica. Yoshikuni HIROI, Kazuyuki SHIRAISHI and Yoichi MOTOYOSHI.
  5. Mineral paragenesis in the Al-poor metabasites from the Prince Olav Coast and Syowa Station. Yoshikuni HIROI and Kazuyuki SHIRAISHI.
  6. Corundum+quartz association from Mt. Riiser-Larsen, Enderby Land—Preliminary interpretation. Yoichi MOTOYOSHI and Hiroharu MATSUEDA.
  7. Petrology of the Rayner Complex. Yoichi MOTOYOSHI and Hiroharu MATSUEDA.
- II. Geochemical Studies
  8. General characteristics of fresh water lakes in the marginal area of the Continental Glacier near Syowa Station. Haruta MURAYAMA.
  9. Seasonal fluctuation of water temperature in Antarctic saline lakes near Syowa Station. Haruta MURAYAMA.
  10. Organic substance in core sediments from Lützow-Holm Bay, Antarctica. Genki I. MATSUMOTO, Kiyotaka SASAKI, Kunihiko WATANUKI and Tetsuya TORII.
  11. Chemical feature of South Fork waters, Wright Valley, Antarctica. Noriyasu MASUDA, Tamio KAWANO and Tetsuya TORII.
  12. A limnological study of ponds in the Labyrinth region, Victoria Land. Tamio KAWANO, Genki I. MATSUMOTO, Katsumi YOSHIMIZU and Tetsuya TORII.
- III. Earth Sciences in West Antarctica
  13. Seismic activity of Mount Erebus in 1984-1986. Katsutada KAMINUMA, Jun AMINO, Satoshi MIURA and Mamoru YAMADA.
  14. Volcanic tremor in Mount Erebus. Jun AMINO and Katsutada KAMINUMA.
  15. A preliminary report of explosion seismic experiments in Mt. Erebus, Antarctica. Katsutada KAMINUMA, Kazuo SHIBUYA, Kiyooki NIIDA, J. KIENLE, R. DIBBLE and P. KYLE.
  16. Gravity measurements on Ross Island. Satoshi MIURA, Katsutada KAMINUMA and Etsuro KOYAMA.
  17. Recent volcanic activity of Mt. Erebus. P. R. KYLE.
  18. Volcanic geology of Mt. Erebus, Ross Island, Antarctica. J. A. MOORE and P. R. KYLE.
  19. Ultramafic—mafic cumulate inclusions of Turtle Rock, Ross Island, Antarctica. Kiyooki NIIDA, Katsutada KAMINUMA and Kazuo SHIBUYA.
  20. Microstructure in the Mt. Erebus anorthoclase. Tokuhei TAGAI, Hiroshi TAKEDA and P. R. KYLE.
  21. On the geochemical similarities of Quaternary volcanic rocks from South Shetland Islands, Antarctica, and Rishiri Island, Hokkaido Japan. Yoshio KATSUI, Yasuo IKEDA and Hajime KURASAWA.
  22. The McMurdo volcanic group, Antarctica: A petrologic overview. P. R. KYLE.
- IV. Geomorphological Studies in the Sor Rondane Mountains
  23. Results of supplementary glacio-geomorphological observations in ice-free areas on the Sôya Coast. Yoshio YOSHIDA.

24. Rock weathering process in cold-arid regions: Studies from Antarctica and Pamir. Norikazu MATSUOKA.
  25. Preliminary measurements on present-day geomorphic processes in the Sør Rondane Mountains, East Antarctica. Norikazu MATSUOKA, Kiichi MORIWAKI and Shuji IWATA.
  26. Smooth debris-mantled slopes in the western Sør Rondane Mountains, East Antarctica. Shuji IWATA, Heizou SUZUKI, Kazuyuki SHIRAISHI and Masashi SANO.
  27. Tentative classification of moraines on the northeastern part of Birger Bergersenfjellet, the Sør Rondane Mountains. Kiichi MORIWAKI, Norikazu MATSUOKA and Shuji IWATA.
- V. Geological and Petrological Studies in the Sør Rondane Mountains
28. Geology of central part of the Sør Rondane Mountains. Hideyasu KOJIMA and Hideo ISHIZUKA.
  29. Petrographical features of the plutonic rocks in the western part of Sør Rondane Mountains, Antarctica. Toru SAKIYAMA and Yuhei TAKAHASHI.
  30. High grade pelitic metamorphic rocks in the western Sør Rondane Mountains, East Antarctica. Masao ASAMI.
  31. Basic and intermediate gneisses from the western part of the Sør Rondane Mountains, East Antarctica. Kazuyuki SHIRAISHI and Satoru KOJIMA.
  32. Preliminary study on the calc-silicate rocks from the Sør Rondane Mountains. Yasuto OSANAI.
  33. Polymetamorphic event in the Sør Rondane Mountains, East Antarctica. Misako YAMAZAKI, Shin'ichi YOSHIKURA, Hideo ISHIZUKA and Hideyasu KOJIMA.
  34. Age and paleomagnetic studies for intrusive and metamorphic rocks from the Sør Rondane Mountains, Antarctica. Yutaka TAKIGAMI, Ichiro KANEOKA and Minoru FUNAKI.
- VI. Earth Sciences of the Southern Ocean
35. Geological and geophysical features of the continental margin off Queen Maud Land. Takao SAKI, Shuichi TOKUHASHI, Toshio KODATO, Ikuro MIZUKOSHI and Hiroshi AMANO.
  36. Measurements of remanent magnetization on the sediment cores obtained in TH-85 cruise. Hiroo INOKUCHI, Yasuhisa ADACHI, Katsumi YASKAWA, Takao SAKI, Toshio KODATO and Shuichi TOKUHASHI.
  37. Some geologic remarks around Gunnerus Ridge. Toshio KODATO, Shuichi TOKUHASHI, Kazuyuki SHIRAISHI, Seijuro YONEYA and Akira USUI.
  38. Preliminary survey by a seismic profiler across Gunnerus Ridge (Bank) off the Riiser-Larsen Peninsula. Kiichi MORIWAKI, Norikazu MATSUOKA and Yoshio YOSHIDA.
  39. On the boulders dredged from the Breid Bay and the Gunnerus Bank. Kazuyuki SHIRAISHI and Kenzo FUJIWARA.
- VII. Geophysical Studies
40. NIPR-ORI gravimeter Model II. Jiro SEGAWA and Katsutada KAMINUMA.
  41. Sea gravity measurements during the 27th Japanese Antarctic Research Expedition. Yoichi FUKUDA, Jiro SEGAWA and Katsutada KAMINUMA.
  42. Crust and upper mantle structure based on gravity anomalies in the Antarctic region. Takeshi MATSUMOTO, Jiro SEGAWA and Katsutada KAMINUMA.
  43. Digital data acquisition system of the Antarctic research aircraft PC-6. Kazuo SHIBUYA and Yoshio YOSHIDA.
  44. Compilation of results of control survey, gravity measurement, geomagnetic measurement, aerial photography and mapping in the Antarctic. Masao ISHIHARA and Hitoshi TANAKA.
- VIII. Gondwanaland and Antarctica
45. Reconnaissance geological survey of Sri Lanka and India 1985-1986, in view of comparative geological studies among Sri Lanka, India, and Antarctica. (1) Sri Lanka. Masaru YOSHIDA.
  46. Reconnaissance geological survey of Sri Lanka and India 1985-1986, in view of comparative geological studies among Sri Lanka, India, and Antarctica. (2) India. Masaru YOSHIDA.