

**Program of the Ninth Symposium on Antarctic Geosciences  
held at the National Institute of Polar Research, Tokyo,  
October 25–26, 1988**

- I. Petrological Studies around Syowa Station
  1. Pegmatite from Nesöya Island: With special reference to garnet-quartz symplektite. Morihisa SUZUKI and Yukio MATSUMOTO.
  2. The first occurrence of hoegbomite in Antarctica: Sinnan Rocks and Cape Ryügü. Edward S. GREW, Yoshikuni HIROI and Kazuyuki SHIRAISHI.
  3. Mineralogy of the syenitic rocks from the Yamato and the Sør Rondane Mountains. Takanobu OBA and Kazuyuki SHIRAISHI.
  4. Comparative study of geologic structures of Precambrian rocks of Sri Lanka. Masaru YOSHIDA.
  5. The Antarctic Geoscience Transect QML1. Katsutada KAMINUMA.
- II. Solid Earth Geophysics in Antarctica
  6. Gravity profiles near Syowa Station. Toshiyasu NAGAO, Katsutada KAMINUMA and Yoichi FUKUDA.
  7. Analysis of gravity tides observed at Syowa and Asuka Stations, Antarctica (Preliminary report). Fumio OGAWA, Yoichi FUKUDA, Junpei AKAMATSU and Kazuo SHIBUYA.
  8. Seismic observation with local telemetry network around Syowa Station, East Antarctica. Junpei AKAMATSU, Nobuo ICHIKAWA and Katsutada KAMINUMA.
  9. Recent seismological observation systems in Antarctica and broadband seismic observation plan at Syowa Station, Antarctica. Hiroshi MURAKAMI and Katsutada KAMINUMA.
  10. Trend analysis of gravity and topographic data in the Antarctic region. Takeshi MATSUMOTO and Katsutada KAMINUMA.
  11. Geoidal undulation and gravity anomaly around Antarctica from GEOSAT satellite altimetry. Yoichi FUKUDA and Jiro SEGAWA.
- III. Studies of Erebus Volcano
  12. Seismic activity of Mount Erebus 1987. Katsutada KAMINUMA and Katsumi MURAKAMI.
  13. Earth tide and seismic activity in the vicinity of Mount Erebus, Antarctica. Yoshihiro IKEGAMI, Toru OUCHI and Katsutada KAMINUMA.
  14. Teleseisms observed through of the seismic network on Mount Erebus, Antarctica. Katsumi MURAKAMI and Katsutada KAMINUMA.
- IV. Earth Sciences in Dry Valley Region and the Antarctic Peninsula
  15. Chemical characteristics and salt origin of the water in Lake Vanda, Dry Valleys, Victoria Land, Antarctica. Kikuo KATO.
  16. The features of hydrocarbons in the McMurdo Dry Valleys soil, Antarctica. Genki MATSUMOTO, Masaru AKIYAMA, Kunihiro WATANUKI and Tetsuya TORII.
  17. Preliminary report of geophysical and geological surveys off the South Orkney Island, West Antarctica. Hiroshi MORISHIMA, Shoshiro SHIMIZU, Kazuo YAMAGUCHI and Kuniaki TAKAYAMA.
  18. A preliminary report on permafrost occurrence in Seymour Island (Marambio Island). Masami FUKUDA and A. E. CORTE.
  19. Ice-wedge formations in Seymour Island (Marambio Island) near the Antarctic Peninsula area. Takeei KOIZUMI and Masami FUKUDA.
  20. Coastal geomorphology of Larsen Coast of the Marambio Island (Seymour Island), east of the Antarctic Peninsula. Kunio OMOTO.
- V. Enderby Land and Its Surrounding Area
  21. Tectonic and/or structural landforms in eastern Queen Maud Land. Yoshio YOSHIDA.
  22. Landforms around Mt. Riiser-Larsen, Amundsen Bay, East Antarctica. Masamu

- ANIYA and Masahisa HAYASHI.
23. Landforms of Mt. Vechernyaya, near Soviet Molodezhnaya Station, East Antarctica. Masamu ANIYA and Masahisa HAYASHI.
  24. Geology of Mt. Vechernyaya and Mt. Riiser-Larsen, Enderby Land, Antarctica. Hiroshi MAKIMOTO, Masao ASAMI and Edward S. GREW.
  25. Neon enriched rare gas in Antarctic metamorphic rocks. Kazuo SAITO and Katsunori SUZUKI.
  26. Natural remanent magnetization of Mawson Charnockitic rocks. Minoru FUNAKI and Mart IDNURM.
- VI. Sør Rondane Mountains Region
27. A seafloor geomagnetic observation at Breid Bay. Hiroaki TOH, Natsuo SATO and Jiro SEGAWA.
  28. Geodetic control surveying in the Sør Rondane Mountains. Yuzaburo IMURA and Masao ISHIHARA.
  29. Outline of the solid earth geophysical observations made by the 28th Japanese Antarctic Research Expedition in the Sør Rondane Mountains region. Kazuo SHIBUYA, Ryoki SAKAI and Masaru AYUKAWA.
  30. Bedrock topography in Princess Ragnhild Coast and the Sør Rondane Mountains. Fumihiko NISHIO, Seiho URATSUKA and Hirokazu OHMAE (Cancelled).
  31. Preliminary study on the geomorphology of the western part of the Sør Rondane Mountains. Kiichi MORIWAKI, Kazuomi HIRAKAWA and Shuji IWATA.
  32. An idea of the system of geomorphological evolution in the inland Mountains, Sør Rondane, Antarctica. Kazuomi HIRAKAWA.
  33. Glacial landforms and weathering processes in the Balchenfjella, eastern part of the Sør Rondane Mountains, East Antarctica. Masahisa HAYASHI and Masamu ANIYA.
  34. Geology of the eastern Sør Rondane Mountains, East Antarctica. Masao ASAMI, Hiroshi MAKIMOTO and Edward S. GREW.
  35. Preliminary petrological studies of metamorphic rocks of the eastern Sør Rondane Mountains. Edward S. GREW, Masao ASAMI and Hiroshi MAKIMOTO.
  36. Original rock constitution of high-grade metamorphic rocks from the Sør Rondane Mountains, East Antarctica. Yasuhito OSANAI, Tohru SAKIYAMA, Yuhei TAKAHASHI and Satoshi KODAMA.
  37. Chemical compositions of syenitic rocks in the Sør Rondane Mountains. Tohru SAKIYAMA and Yuhei TAKAHASHI.
  38. Preliminary geochronological study of granulites from the Sør Rondane Mountains—A comparison of Rb-Sr and Sm-Nd ages—. Kazuyuki SHIRAISHI and Hiroo KAGAMI.
  39. Rb-Sr ages of the plutonic rocks from the Sør Rondane Mountains. Yuhei TAKAHASHI, Yoji ARAKAWA and Tohru SAKIYAMA.