Program
Meeting of isotope-ratio mass spectrometry
20-22 November, 2002

Wednesday, November 20

Oral presentation

15:00-15:30
Yoichi ASADA
Isotopic effect of zinc in chemical exchange reaction

15:30-16:00
Yasuhiko FUJII
Isotope effects in chemical exchange reactions of f-electron elements

16:00-16:30
Sho SASAKI
Development of a new reflectron type TOF mass spectrometer for dust analysis in space

16:30-17:00
Tea break

17:00-17:30
Noriko T. KITA
Dead time correction of pulse counting system for the SIMS Mg isotopic ratio measurement and its application to the meteorite chronology

17:30-18:00
Short presentation for poster

P1: Noriko EBISAWA
Noble gas components in the Zag meteorite

P2: Takayuki USHIKUBO
Ion microprobe analyses of Mg isotopes and REE patterns of CAIs and their rims

P3: Hirochika SUMINO
Noble gas isotopic compositions of mantle derived xenoliths from Cheju Island

P4: Toru YADA
Oxygen isotopic compositions of Antarctic spherules

P5: Tatsuya SUZUKI
Isotope fractionation caused by zinc adsorption on crown ether resin

P6: Maho YAMADA
Mg isotope fractionation of solid forsterite

P7: Yousuke MIYAIRI
The estimate of modern carbon contamination during the humic acid treatment

P8: Yuriko ONO
Application of density-functional theory for carbon isotope effects in Ni(CO)₄/CO exchange system

P9: Yurika TACHIBANA
Noble gas study of olivine megacrysts in kimberlites from Monastery, South Africa
P10: Yuji ORIHASHI
Zircon geochemistry of Mid-Miocene adakites in the southern Patagonian province

P11: Jung In CHUNG
The studies of isotopic compositions of noble gases in quartz from S-/I-type granitic rocks of Australia

P12: Young-Shin JEON
Measurement of low abundance isotopes of uranium by TIMS

P13: Young-Shin JEON
A study of some isobaric effect on gadolinium isotope measurement by TIMS

P14: Toshiyuki FUJII
Mass-independent isotope effects in the chemical exchange reaction

18:30-20:00

Dinner party at KAL Hotel

20:00-22:00

Poster session core time

Thursday, November 21

Oral presentation

9:00-9:30
Yoshiro NISHIO
Lithium isotopic ratios detect the alien component in the subarc mantle

9:30-10:00
Minoru KUSAKABE
Helium isotopic ratios and geochemistry of volcanic fluids from the Norikura Volcanic Chain, central Japan: Implications for crustal structures and seismicity

10:00-10:30
Seung-Gu LEE
REE abundance in a fraction of Leedey and Duwon chondrite

10:30-11:00

Tea break

11:00-11:30
Akimasa MASUDA
Apparent convergence of relative abundance curves for Leedey chondrite exhibited as a function of ionic radius

11:30-12:00

Short presentation for poster

P15: Takaaki FUKUOKA
First discovery of monazite in volcanic rock
- Monazite in pumice of Toya pyroclastic flow deposit, southwest Hokkaido, Japan-
P16: Takamasa HAYASHI
Ce, Nd and Sr isotopic geochemistry on mantle wedge below Japan arc: the quantitative estimation of source material of island arc volcanics

P17: Yuichi MORISHITA
Isotope mass fractionation during evaporation of Si melt

P18: Kentaro TERADA
U/Pb and Mn/Cr systematics of micrometeorites

P19: Kenji HORIE
Isotopic evidence for trapped fissiogenic REE and nucleogenic Pu into apatite at the Oklo natural reactor

P20: Daisuke NAKASHIMA
Formation history of CI-like phyllosilicate-rich clasts in the Tsukuba meteorite inferred from mineralogy and noble gas signature

P21: Masayo MINAMI
Sr isotopic ratio of sediments in Lake Biwa -Environmental change in the past a hundred of years-

P22: Junji YAMAMOTO
Occurrence of noble gases in mantle minerals

P23: Chikako NISHIMURA
Search for the cause of mass extinction at the Permian-Triassic boundary by measurement of noble gas isotope ratios

P24: Takayuki FUJIMOTO
Measurement of noble gases trapped in nanometer sized SiC coated diamond

P25: Akihiro SETA
The isotopic evolutions of $^{87}\text{Sr}/^{86}\text{Sr}$ and $^{143}\text{Nd}/^{144}\text{Nd}$ in the mantle reservoirs: An application of "Osaka model"

P26: Masako YOSHIKAWA
Sr-Nd-Pb isotopic and geochemical signature of basalts in Cheju Island, Korea

P27: Tomoyuki SHIBATA
The Sr, Nd and Pb isotope variations from single hand specimen of submarine volcanic rock from Hana Rigde, Hawaii

12:30-14:00
Lunch

14:00-16:00
Poster session core time
Tea service

16:00-16:30
Takeshi OHNO
Iron isotopic analysis for human blood

16:30-17:00
Minoru OZIMA
Planet pollution in the Sun: Noble gas evidence in lunar soils?

17:00-18:30
Special Talk: Takafumi HIRATA
Inductively Coupled Plasma-Mass Spectrometry

18:30-

**Dinner**

**Friday, November 22**

**Oral presentation**

9:00-9:30

Akihisa MOTOKI
Lithology, mode of occurrence, and K-Ar ages of the Lautaro Volcano, Chilean Patagonia, South America

9:30-10:00

Tetsumaru ITAYA
K-Ar and Ar-Ar chronology of Ogcheon metamorphic rocks, South Korea

10:00-10:30

Jisun PARK
Noble gas studies of Martian meteorites from hot deserts

10:30-11:00

**Tea break**

11:00-11:30

Keisuke NAGAO
Noble gas study of three Nakhites Yamato-000593, -000749 and -000802: Martian meteorites from Antarctica

11:30-12:00

Tomoki NAKAMURA
Noble-gas signatures and mineralogy of the carbonate-rich lithology of the Tagish Lake carbonaceous chondrite: Evidence for an accretionary breccia

Katsuhiko SUZUKI (Abstract only)
Re-Os isotope systematics of mantle peridotites from over 300 km depth in China