

Proceedings of the NIPR Symposium

on

Antarctic Meteorites

No. 8

Papers presented at the "Nineteenth Symposium on Antarctic Meteorites" held at the National Institute of Polar Research, Tokyo, May 30 to June 1, 1994

CONTENTS

Yamato-8451: A newly identified pyroxene-bearing pallasite	<i>Keizo YANAI and Hideyasu KOJIMA</i> ...	1
The CR chondrite clan	<i>Michael K. WEISBERG, Martin PRINZ, Robert N. CLAYTON, Toshiko K. MAYEDA, Monica M. GRADY and Colin T. PILLINGER</i> ...	11
Petrology and mineralogy of the PCA 91082 chondrite and its comparison with the Yamato-793495 (CR) chondrite	<i>Takaaki NOGUCHI</i> ...	33
Petrology of the Yamato-8449 CR chondrite	<i>Osamu ICHIKAWA and Yukio IKEDA</i> ...	63
Ca-Al-rich inclusions in three Antarctic CO3 chondrites, Yamato-81020, Yamato-82050 and Yamato-790992: Record of low-temperature alteration	<i>Tomoko KOJIMA, Satomi YADA and Kazushige TOMEOKA</i> ...	79
Anhydrous alteration of Allende chondrules in the solar nebula I: Description and alteration of chondrules with known oxygen-isotopic compositions	<i>Yukio IKEDA and Makoto KIMURA</i> ...	97
Anhydrous alteration of Allende chondrules in the solar nebula II: Alkali-Ca exchange reactions and formation of nepheline, sodalite and Ca-rich phases in chondrules	<i>Makoto KIMURA and Yukio IKEDA</i> ...	123
Sulfidation of metallic iron in the primordial solar nebula	<i>Naoya IMAE and Masao KITAMURA</i> ...	139
Reexamination of Mocs and Tauti chondritic meteorites: Classification with shock degree	<i>Yasunori MIURA, Gabriel O. IANCU, Gabriela IANCU, Keizo YANAI and Hiroshi HARAMURA</i> ...	153
Mineralogical study of some Antarctic monomict eucrites including Yamato-74356: A unique rock containing recrystallized clastic matrix	<i>Akira YAMAGUCHI and Hiroshi TAKEDA</i> ...	167

