

CONTENTS

I.	Outline of the Cruise GH83-3 in the Penrhyn Basin, South Pacific <i>Usui, A., Nohara, M., Okuda, Y., Nishimura, A., Toshitsugu Yamazaki, Saito, Y., Miyazaki, J., Tsurusaki, K., Tetsuo Yamazaki, Harada, K., Lee, C.-W. and Fleming, P.</i>	1
II.	Topography and subsurface geological structure of the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Okuda, Y. and Miyazaki, J.</i>	19
III.	Subsurface acoustic stratigraphy on 3.5 kHz SBP records in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Nishimura, A., Okuda, Y. and Usui, A.</i>	31
IV.	Deep-sea sediments in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Nishimura, A. and Saito, Y.</i>	41
V.	Surface sediments in the Penrhyn Basin, South Pacific (GH83-3 Area): Description by smear slide observation <i>Lee, C.-W.</i>	61
VI.	Magnetization of pelagic clay in the Penrhyn Basin, South Pacific (GH83 -3 Area) <i>Toshitsugu Yamazaki</i>	67
VII.	Chemical composition of deep-sea sediments in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Mita, N. and Kato, K.</i>	79
VIII.	Manganese nodule facies in the western part of the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Usui, A.</i>	87
IX.	Mineralogy, geochemistry and internal growth structure of manganese nodules in the western part of the Penrhyn Basin, South Pacific (GH83 -3 Area) <i>Usui, A. and Mita, N.</i>	165
X.	Chemical and textural variations within manganese nodules of the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Harada, K., Higashitani, K., Choi, J.-H. and Usui, A.</i>	187
XI.	Heat flow in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Toshitsugu Yamazaki</i>	201
XII.	Bottom water temperature in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Toshitsugu Yamazaki</i>	209
XIII.	Gravity and Magnetic anomalies in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Toshitsugu Yamazaki and Okuda, Y.</i>	219
XIV.	Geotechnical properties of deep-sea sediments and manganese nodules in the Penrhyn Basin, South Pacific (GH83-3 Area) <i>Tsurusaki, K., Tetsuo Yamazaki and Handa, K.</i>	225