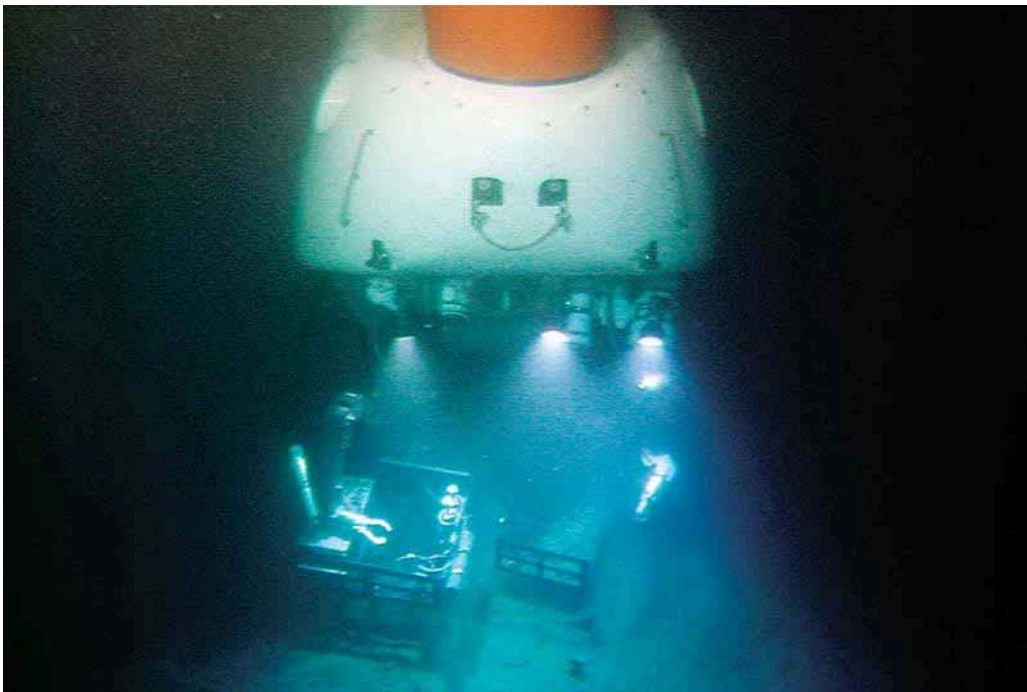


JAMSTEC 深海研究

第 20 号

JAMSTEC Journal of Deep Sea Research, No.20



平成14年3月
March 2002



海洋科学技術センター

Japan Marine Science and Technology Center (JAMSTEC)

<http://www.jamstec.go.jp/>

目 次

1. 熊野沖南海トラフ付加プリズムの地質構造と冷湧水 - YK01-04 Leg 2 熊野沖調査概要 -	1
芦 寿一郎, 倉本 真一, 森田 澄人, 角皆 潤, 後藤 秀作, 小島 茂明, 岡本 拓士, 石村 豊穂, 井尻 暁, 土岐 知弘, 工藤 新吾, 浅井 聡子, 内海 真生	
2. Serpentes as a capsule of the deep subsurface biosphere: Evidence from the Chamorro Seamount, Mariana forearc	9
Kantaro FUJIOKA, Toshiro YAMANAKA, Toshitaka GAMO, Fumio INAGAKI, Tetsuya MIWA, Hiroshi SATO, Takuji OKAMOTO, Hirokuni ODA	
3. Further observations on the penaeid shrimp <i>Funchalia sagamiensis</i> FUJINO 1975 and pelagic tunicates (Order: Pyrosomatida)	17
Dhugal J. LINDSAY, James C. HUNT, Ken'ichi HAYASHI	
4. 日本海溝の冷水湧出域堆積物に生息する微生物群集の多様性	29
稲垣 史生, 崎濱 由梨, 加藤 千明, 井上 明, 掘越 弘毅	
5. 海底γ線測定 - 成果とモデル化 -	37
服部 陸男, 岡野 眞治	
6. Pressure Sensitivity of HSP70 Promoter in Transformed 3T3-L1 Cells	53
Sumihiro KOYAMA, Masae HORII, Yasuko YANAGIDA, Eiry KOBATAKE, Tetsuya MIWA, Masuo AIZAWA	
7. 潮岬海底谷沿いの付加体断面と白ウリ貝コロニーの産状: 6K#522, #579潜航報告	59
安間 了, 川上 俊介, 山本 由弦	
8. Tectonic, geochemical and biological studies in the eastern margin of the Japan Sea - preliminary results of Yokosuka / Shinkai 6500 YK01-06 Cruise -	77
Yukinobu OKAMURA, Kenji SATAKE, Akira TAKEUCHI, Toshitaka GAMO, Chiaki KATO, Yuichi SASAYAMA, Futoshi NANAYAMA, Ken IKEHARA, Toru KODERA	
9. 電気伝導度変化を伴う冷湧水変動の検出 - 相模湾初島南東沖潜航調査(「ドルフィン3K」第546潜航, 「しんかい2000」第1320, 1323潜航)序報 -	115
岩瀬 良一, 町山 栄章	
<hr/>	
「しんかい2000」潜航記録一覧表	127
「しんかい6500」潜航記録一覧表	129

CONTENTS

1 . Structure and cold seep of the Nankai accretionary prism off Kumano	
- Outline of the off Kumano survey during YK01-04 Leg 2 Cruise -	1
Juichiro ASHI, Shin'ichi KURAMOTO, Sumito MORITA, Urumu TSUNOGAI, Shusaku GOTO, Shigeaki KOJIMA, Takuji OKAMOTO, Toyoho ISHIMURA, Akira IJIRI, Tomohiro TOKI, Shingo KUDO, Satoko ASAI, Motoo UTSUMI	
2 . Serpentine as a capsule of the deep subsurface biosphere:	
Evidence from the Chamorro Seamount, Mariana forearc	9
Kantaro FUJIOKA, Toshiro YAMANAKA, Toshitaka GAMO, Fumio INAGAKI, Tetsuya MIWA, Hiroshi SATO, Takuji OKAMOTO, Hirokuni ODA	
3 . Further observations on the penaeid shrimp <i>Funchalia sagamiensis</i> FUJINO 1975	
and pelagic tunicates (Order: Pyrosomatida)	17
Dhugal J. LINDSAY, James C. HUNT, Ken'ichi HAYASHI	
4 . Microbial diversity in the cold seep sediment at the Japan Trench	29
Fumio INAGAKI, Yuri SAKIHAMA, Chiaki KATO, Akira INOUE, Koki Horikoshi	
5 . Sea bottom gamma ray measurement	
- Results of study and modeling of sea bottom radioactive environment -	37
Mutsuo HATTORI, Masaharu OKANO	
6 . Pressure Sensitivity of HSP70 Promoter in Transformed 3T3-L1 Cells	53
Sumihiro KOYAMA, Masae HORII, Yasuko YANAGIDA, Eiry KOBATAKE, Tetsuya MIWA, Masuo AIZAWA	
7 . Structural profile of the Nankai accretionary prism and Calyptogena colonies along the	
Shionomisaki submarine canyon: results of "SHINKAI" 6K#522 and #579 dives.	59
Ryo ANMA, Shunsuke KAWAKAMI, Yuzuru YAMAMOTO	
8 . Tectonic, geochemical and biological studies in the eastern margin of the Japan Sea	
- preliminary results of Yokosuka / Shinkai 6500 YK01-06 Cruise -	77
Yukinobu OKAMURA, Kenji SATAKE, Akira TAKEUCHI, Toshitaka GAMO, Chiaki KATO, Yuichi SASAYAMA, Futoshi NANAYAMA, Ken IKEHARA, Toru KODERA	
9 . Detection of fluctuation of cold seepage accompanied by conductivity reduction	
- Preliminary report of dive survey off Hatsushima Island in Sagami Bay	
("Dolphin-3K" #546, "Shinkai 2000" #1320, #1323 dives) -	115
Ryoichi IWASE, Hideaki MACHIYAMA	

Dive List for“ Shinkai 2000 ”.....127
Dive List for“ Shinkai 6500 ”.....129