

POC: Tim Askew
 Harbor Branch Oceanographic Institution, Inc.
 5600 U.S. 1 North
 Ft. Pierce, FL 34946
 Telephone: 407-465-2400, ext. 262
 Fax: 407-465-2116
 Telemail: HBOI.SHIPS
 Telex: 522886

R/V SEWARD JOHNSON
 FINAL 1993 SCHEDULE
 Date Revised: FEB. 11, 1994

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS	DAYS/AGENCY/ STATUS
1/04 1/31	NA9/FT. PIERCE MAINTENANCE	SHIP OPS	FT. PIERCE FT. PIERCE	/HBOI/
2/04 2/07	NA9/BAHAMAS LARVAL ECOLOGY	YOUNG/HBOI OCE91-16560	FT. PIERCE NASSAU	4/NSF/F BAHAMAS
2/08 2/09	NA9/BAHAMAS CRINOID STUDY	MESSING/NOVA EAR90-04232 EAR92-18467	NASSAU FT. LAUDERDALE	2/NSF/F BAHAMAS
2/10 2/11	NA9/FLA BILLBOARD INSP.	CLARK/HBOI	FT. LAUDERDALE FT. PIERCE	2/NAVY/F
3/21 3/25	NA9/BAHAMAS PHOTO SHOOT	SHIP OPS	FT. PIERCE FT. PIERCE	/HBOI/
5/06 5/06	NA9/FLA PHOTO SHOOT	SHIP OPS	FT. PIERCE FT. PIERCE	/HBOI/
5/08 5/15	NA9/BAHAMAS LARVAL ECOLOGY	YOUNG/HBOI OCE91-16560	FT. PIERCE NASSAU	8/NSF/F BAHAMAS
5/16 5/18	NA9/BAHAMAS CRINOID STUDY	MESSING/NOVA EAR92-18467	NASSAU FREEPORT	3/NSF/F BAHAMAS
5/19 5/19	NA9/BAHAMAS PORT	SHIP OPS	FREEPORT FREEPORT	/HBOI/ BAHAMAS
5/20 6/08	NA9/BAHAMAS BIOMEDICAL	POMPONI/HBOI	FREEPORT FT. PIERCE	20/HBOI/F BAHAMAS
6/14 6/18	NA9/GULF OF MEXICO TRANSIT/PORT	DINSMORE/UNCW PO #307628	FT. PIERCE FOURCHON	5/NOAA/F
6/19 6/23	NA9/GULF OF MEXICO GEOCHEMICAL	ROBERTS/TAMU	FOURCHON FOURCHON	5/TAMU/F
6/24 7/05	NA9/GULF OF MEXICO GEOCHEMICAL	FISHER/MACDONALD PO #307628	FOURCHON -----	12/NOAA/F
7/06 7/16	NA9/GULF OF MEXICO GEOCHEMICAL	POWELL/TAMU PO #307628	FOURCHON FOURCHON	11/NOAA/F

7/17	NA9/GULF OF MEXICO	ROBERTS/TAMU	FOURCHON	5/NOAA/F
7/21	GEOCHEMICAL	PO #307628	FOURCHON	
7/22	NA9/GULF OF MEXICO	DINSMORE/UNCW	FOURCHON	5/NOAA/F
7/26	PORT/TRANSIT	PO #307628	FOURCHON	
8/05	NA9/BAHAMAS	YOUNG/HBOI	FT. PIERCE	4/NSF/F
8/08	LARVAL ECOLOGY	OCE91-16560	NASSAU	BAHAMAS
8/09	NA9/BAHAMAS	MESSING/NOVA	NASSAU	3/NSF/F
8/11	CRINOID STUDY	EAR92-18467	FT. PIERCE	BAHAMAS
8/15	NA9/JAMAICA	POMPONI/HBOI	FT. PIERCE	27/HBOI/F
9/10	BIOMEDICAL		MONTEGO BAY	JAMAICA
9/11	NA9/BAHAMAS	BCMS/PRIV	COCKBURN TOWN	3/PRIV/F
9/13	MOLLUSC STUDY		-----	BAHAMAS
9/14	NA9/BAHAMAS	SHIP OPS	-----	NA
9/16	ABS CERT/TRAINING		FT. PIERCE	
11/03	NA9/BAHAMAS	YOUNG/HBOI	FT. PIERCE	4/NSF/F
11/06	LARVAL ECOLOGY	OCE91-16560	NASSAU	BAHAMAS
11/07	NA9/BAHAMAS	MESSING/NOVA	NASSAU	3/NSF/F
11/09	CRINOID STUDY	EAR92-18467	FT. PIERCE	BAHAMAS
11/10	NA9/BAHAMAS	VAUGHAN/HBOI	FT. PIERCE	9/HBOI/F
11/18	AQUACULTURE		FT. PIERCE	BAHAMAS
11/20		OPEN FOR ASSIGNMENT		
12/31				

1993	NSF	NAVY	OTHER	TOTAL	
Ship Days	31*	2	103	136	7800*
Cost \$K	241.8	15.6	803.4	1060.8	

All costs are based on ship only.
JOHNSON-SEA-LINK Submersibles not included in ship rates.

*ONE DAY IS GRANT EAR90-04232; TEN DAYS ON EAR92-18467