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**1991 OPERATING SCHEDULE
 R/V CLIFFORD A. BARNES
 (Final, as of 1/15/92)**

Cruise Dates	Map Index/Area/ Purpose	P.I./Institution/ Proposal Number	Ports	Days/Agency/ Status
10 Jan 10 Jan	NP9/Puget Sound/ Physical	Dewitt,C/NOAA PO#40ABNR1-01056	Seattle Seattle	1/NOAA/F
15 Jan 15 Jan	NP9/Puget Sound/ Physical	Dewitt,C/NOAA PO#40ABNR1-01056	Seattle Seattle	1/NOAA/F
24 Jan 24 Jan	NP9/Lk Washington/ Instr.Development	Burczynski,J/ Biosonics Inc	Seattle Seattle	1/Biosonics/ F
29 Jan 29 Jan	NP9/Puget Sound/ Chemical	Murray,J/UW/ OCE-9012376	Seattle Seattle	1/NSF/F
30 Jan 30 Jan	NP9/Puget Sound/ Biological	Jumars,P/UW OCE-8608157	Seattle Seattle	1/NSF/F
05 Feb 06 Feb	NP9/Dabob Bay/ Biological	Frost,B/UW OCE-8917671	Seattle Seattle	2/NSF/F
07 Feb 07 Feb	NP9/Port Orchard/ Chemical	Murray,J/UW/ OCE-9012376	Seattle Seattle	1/NSF/F
11 Feb 12 Feb	NP9/Dabob Bay/ Biological	Frost,B/UW/ OCE-8917671	Seattle Seattle	2/NSF/F
13 Feb	NP9/Lk Washington/	Edmondson,WT/UW/	Seattle	3/NSF/F

15 Feb	Biological	BSR-8905774	Seattle	
20 Feb	NP9/Dabob Bay/	Frost,B/UW/	Seattle	2/NSF/F
21 Feb	Biological	OCE-8917671	Seattle	
22 Feb	NP9/PgtSd,PtMdsn/	Emerson,S/UW/	Seattle	1/NSF/F
22 Feb	Chemical	OCE-9012376	Seattle	
25 Feb	NP9/Dabob,PgtSd/	Frost,B/UW/	Seattle	2/NSF/F
26 Feb	Biological	OCE-8917671	Seattle	
27 Feb	NP9/PgtSd,PtMdsn/	Emerson,S/UW/	Seattle	1/NSF/F
27 Feb	Chemical	OCE-9012376	Seattle	
05 Mar	NP9/Dabob Bay/	Frost,B/UW/	Seattle	24/NSF/F
28 Mar	Biological	OCE-8917671	Seattle	
02 Apr	NP9/Dabob,HoodCnl/	Perry,MJ/UW/	Seattle	3/NSF/F
04 Apr	Biological	OCE-8900206	Seattle	
05 Apr	NP9/Lk Washington/	Banse,K/UW/	Seattle	1/State/F
05 Apr	Stdnt Instr	06-0364	Seattle	
08 Apr	NP9/Elliott Bay/	Banse,K/UW/	Seattle	5/State/F
12 Apr	Stdnt Instr	06-0364	Seattle	
15 Apr	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	3/State/F
17 Apr	Stdnt Instr	06-0364	Seattle	
18 Apr	NP9/Dabob,HoodCnl/	Frost,B/UW/	Seattle	2/NSF/F
19 Apr	Biological	OCE-8917671	Seattle	
20 Apr	NP9/Port Madison/	Emerson,S/UW/	Seattle	1/NSF/F
20 Apr	Chemical	OCE-9012376	Seattle	
22 Apr	NP9/Dabob,PtMdsn/	Hedges,J/UW/	Seattle	5/NSF/F
26 Apr	Chemical	OCE-9015914	Seattle	
29 Apr	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	2/NSF/F
30 Apr	Biological	OCE-8900206	Seattle	
01 May	NP9/Puget Sound/	Devol,A/UW/	Seattle	1/NSF/F
01 May	Chemical	OCE-8817109	Seattle	
03 May	NP9/Puget Sound/	Nichols,F/USGS/	Seattle	1/USGS/F
03 May	Geological	PO #076293	Seattle	

06 May	NP9/Puget Sound/	Frost,B/UW/	Seattle	2/NSF/F
07 May	Biological	OCE-8917671	Seattle	
08 May	NP9/Puget Sound/	Carpenter,R/UW/	Seattle	1/State/F
08 May	Stdnt Instr	06-0364	Seattle	
09 May	NP9/Puget Sound/	Emerick,T/UW/	Seattle	2/State/F
10 May	Stdnt Instr	06-0364	Seattle	
15 May	NP9/Lk Washington/	Edmondson,WT/UW/	Seattle	3/NSF/F
17 May	Biological	BSR-8905774	Seattle	
20 May	NP9/Puget Sound/	Jumars,Nowell/UW	Seattle	1/NSF/F
20 May	Bio-Geophysical	OCE-8906425	Seattle	
22 May	NP9/Dabob,PtGrdnr/	Frost,B/UW/	Seattle	2/NSF/F
23 May	Biological	OCE-8917671	Seattle	
24 May	NP9/Puget Sound/	Emerick,T/UW/	Seattle	1/State/F
24 May	Stdnt Instr	06-0364	Seattle	
03 Jun	NP9/PtsSusan,Mdsn,	Hedges,J/UW/	Seattle	5/NSF/F
07 Jun	Grdnr/Chemical	OCE-9015914	Seattle	
10 Jun	NP9/Lk Washington/	Pillsbury,D/OSU	Seattle	1/NSF/F
10 Jun	Physical	OCE-9012443	Seattle	
11 Jun	NP9/Dabob,PtGblBay/	Frost,B/UW/	Seattle	2/NSF/F
12 Jun	Biological	OCE-8917671	Seattle	
17 Jun	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	2/NSF/F
18 Jun	Biological	OCE-8900206	Seattle	
19 Jun	NP9/Lk Washington/	Edmondson,WT/UW	Seattle	3/NSF/F
21 Jun	Biological	BSR-8905774	Seattle	
29 Jun	Columbia River/	Jay,D/UW/	Seattle	37/NSF/F
04 Aug	Bio-Geophysical	OCE-8907118	Seattle	
11 Aug	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	2/NSF/F
12 Aug	Biological	OCE-8900206	Seattle	
16 Aug	NP9/Puget Sound/	Johnson,HP/UW/	Seattle	1/NSF/F
16 Aug	Geological	OCE-8911495	Seattle	
19 Aug	NP9/Lk Washington/	Edmondson,WT/UW/	Seattle	3/NSF/F
21 Aug	Biological	BSR-8905774	Seattle	

23 Aug	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	1/NSF/F
23 Aug	Biological	OCE-8900206	Seattle	
27 Aug	NP9/Lk Washington/	Emerson,S/UW/	Seattle	2/NSF/F
28 Aug	Chemical	OCE-9016448	Seattle	
04 Sep	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	1/NSF/F
04 Sep	Biological	OCE-8900206	Seattle	
09 Sep	NP9/PgtSd,ShipCnl/	Sternberg,RW/UW/	Seattle	1/NSF/F
09 Sep	Geological	OCE-8813399	Seattle	
17 Sep	NP9/Dabob Bay/	Emerson,S/UW/	Seattle	3/NSF/F
20 Sep	Chemical	OCE-9016448	Seattle	
25 Sep	NP9/Puget Sound/	Johnson,HP/UW/	Seattle	1/NSF/F
25 Sep	Geological	OCE-8911495	Seattle	
08 Oct	NP9/Puget Sound/	Perry,MJ/UW/	Seattle	1/NSF/F
08 Oct	Biological	OCE-8900206	Seattle	
21 Oct	PgtSd,SanJuanIsIs/	Jumars,Nowell/UW/	Seattle	4/NSF/F
24 Oct	Bio-Geophysical	OCE-8906425	Seattle	
28 Oct	NP9/Lk Washington/	Edmondson,WT/UW/	Seattle	2/NSF/F
29 Oct	Biological	BSR-8905774	Seattle	
04 Nov	NP9/Puget Sound/	Nowell,A/UW/	Seattle	1/NSF/F
04 Nov	Chemical	OCE-9116497	Seattle	
21 Nov	NP9/Puget Sound/	Nichols,F/USGS/	Seattle	1/USGS/F
21 Nov	Geological	PO #605417-92	Seattle	
11 Dec	NP9/Lk Washington/	Edmondson,WT/UW/	Seattle	2/NSF/F
12 Dec	Biological	BSR-8905774	Seattle	
18 Dec	NP9/Puget Sound/	Murray,JW/UW/	Seattle	1/NSF/F
18 Dec	Chemical	OCE-9022466	Seattle	

Summary:	<u>Agency</u>	<u>Days</u>
	NSF	139
	UW	13
	NOAA	2
	Biosonics	1
	USGS	<u>2</u>
	TOTAL	157