

YACHT: EXPEDITIOUS
 SAIL#: US-18763
 CLASS: EXP34

NOT VALID AFTER 12/88

SLOOP BY SCHUMACKER
 MASTHEAD RIG, 150% JIB
 FIXED KEEL
 EXPOSED, FOLDING PROP

I CERTIFY THAT I UNDERSTAND MY
 RESPONSIBILITIES UNDER THE IMS.

OWNER:

 MR W BARTZ SCHNEIDER
 2041 GREEN ST
 SAN FRANCISCO CA 94123

-----CENTERBOARD-----COMMENTS-----

KCDA .000 WCBA 0
 ECM .000 CBDA .000
 CBRC .000 WCBB 0
 CBMC .000 CEDB .000
 CBTC .000

-----FREEBOARDS-----PROP INSTALLATION-----

FFM 3.740 SFFP 1.730 PSA 12.000 PHD1 .170 PHD2 .000
 FAM 3.210 SAFFP 30.900 PHL .540 PSD .080 SHL .440
 SG 1.020 PSL 2.730 SHD .170 PRD .000

-----FORETRIANGLE-----MAINSAIL-----MAST-----

IM 44.650	SPL 12.800	P 38.500	BL1 2.660	MDT1 .340
J 12.870	SL 43.100	E 12.330	BL2 4.560	MDL1 .580
LPG 19.100	SMW 23.100	BAL .500	BL3 5.000	MDT2 .330
LPIS .000	HBS .000	BD .490	BL4 3.290	MDL2 .400
FSP .180	SPS 11.600	BAS 5.000	BL5 .000	TL 6.200
LP 19.280	SFJ .000	HB .600	BLP 7.900	MSW .000
HBI 3.108	ISP 44.650	MW .340	MGU 4.800	PC 39.756
IG 44.300	BATK 1.353	GO .340	MGM 8.200	EC 12.830

-----MIZZEN-----

IY .000	PY .000	BY1 .000	MDT1Y .000	HBV .000
EB .000	EY .000	BY2 .000	MDL1Y .000	BLPY .000
YSD .000	BADY .000	BY3 .000	MDT2Y .000	HBIY .000
YSF .000	BALY .000	BY4 .000	MDL2Y .000	PYC .000
YSMG .000	BDY .000	BY5 .000	TLY .000	EYC .000
		BTXY .000	MGUY .000	MGMY .000

--- TIME ALLOWANCES IN SECONDS PER MILE -----

GENERAL PURPOSE (LINEAR RANDOM 10)	TRUE WIND	WINDWD/ LEEWARD	OLYMPIC (6-LEG)	CIRCULAR RANDOM	LINEAR RANDOM	NON- SPIN- NAKER
	8 KT:	882.8	824.6	670.7	643.5	713.0
	10 KT:	760.7	722.0	596.4	578.7	631.4
578.7 SEC/MI	12 KT:	688.6	666.7	554.4	540.5	582.2
	14 KT:	644.9	632.8	528.2	515.1	548.2
	16 KT:	618.3	610.8	510.4	496.6	525.7
	20 KT:	584.5	582.9	486.2	470.0	496.6

***** EXPMTL-RTP *****

MEAS# 72

MR DICK HORN
 3885 QUAIL RIDGE
 LAFAYETTE CA 94549

MEASURED: 5/ 1/87
 INP RCVD: 5/ 3/88
 ISSUED: 9/ 8/88
 FLOTAT'N: 5/ 1/87

KENNETH B. WELLER
 USYRU OFFSHORE
 BOX 209
 NEWPORT, RI 02840
 COPYRIGHT 1988

OTHER MEAS: HORN

CERT# 29242 SAIL# US-18763

RUN DATE: 9/ 8/88

INP RCVD: 5/ 3/88

OFFSETS: C19032.LP

YACHT: EXPEDITIOUS

FORMER:

HULL:

-----INCLINING TEST-----					LIMIT OF
AW 50.0	AWD 17.850	APD 32.0	PL 1525.0		POSITIVE
BW 100.0	BWD 17.850	BPD 71.0	RMC 697.4		STABILITY:
CW 50.0	CWD 17.850	CPD 33.0	RM2 747.6		
DW 100.0	DWD 17.850	DPD 73.0	RM20 649.7		115 DEGREES
			RM40 517.7		

-----CALCULATED STABILITY-----

HEEL IN DEGREES:	25	60	90	120	150	165
RIGHT ARM IN FT:	1.370	1.907	1.150	-.190	-1.285	-1.320
RATIO OF STABILITY CURVE AREAS, POSITIVE/NEGATIVE = 2.544						

-----MEASUREMENT TRIM-----

KEEL DRAFT (DHKO)	6.11	MAXIMUM BEAM (MB)	10.45
ENDPLATE ADJ (KEDA)	.00	2ND MOMENT LGTH (LSM0)	29.65
DISPLACEMENT (DISP)	9214	WETTED SURFACE (WS0)	235.6
SAIL AREA (SA)	538	PROP PROJ AREA (PIPA)	.042

-----SAILING TRIM (CREW & GEAR ABOARD)-----

SECT AREA @ MAX (AMS1)	12.65	RATED BEAM (B)	8.92
BEAM/DEPTH (BTR)	4.44	SINK FORWARD (SKF)	.02
KEEL DRAFT (DHKA)	6.26	SINK AFT (SKA)	.29
CENTERBOARD EXT (ECMA)	.00	WETTED SURF (WS)	255.2
EFFECTIVE DRAFT (D)	5.37	DISPLACEMENT (DISP)	11201
EFFECTIVE CB EXT (ECE)	.00	CREW RT'G ARM(CRA)	3.95
2ND MOMENT LENGTHS:			
	0 DEG HEEL (LSM1)	30.51	
	2 DEG HEEL (LSM2)	30.51	
AVG LENGTH (L)	30.37	25 DEG HEEL (LSM3)	30.24
		SUNK CONDITION (LSM4)	34.06

OPTIONAL REGULATIONS:
 MINIMUM DISPLACEMENT IN MEASUREMENT TRIM: 7272 LBS.
 MAXIMUM CREW: WEIGHT LIMIT=1501 LBS. NUMBER LIMIT= 9

-----SPEED AS A FUNCTION OF SAILING CONDITION-----

VTW	OPTIMUM BEAT				OPTIMUM RUN		
	BTW	V	VMG	HEEL	BTW	V	VMG
8	46	5.608	3.929	12	143	5.334	4.238
10	43	6.032	4.418	18	148	6.002	5.095
12	41	6.217	4.706	21	162	6.173	5.881
14	40	6.328	4.876	23	169	6.646	6.526
16	39	6.398	4.973	25	172	7.089	7.022
20	39	6.506	5.058	25	173	7.936	7.874

VTW	REACH BTW = 80		REACH BTW = 110		REACH BTW = 135		RUN BTW=180
	V	HEEL	V	HEEL	V	HEEL	V
8	6.825	16	6.848	6	5.876	2	3.936
10	7.247	12	7.383	10	6.716	3	4.846
12	7.601	18	7.813	16	7.249	3	5.715
14	7.843	25	8.150	22	7.719	4	6.458
16	7.991	27	8.389	28	8.178	6	6.984
20	8.223	28	8.745	30	9.035	11	7.836

YACHT NAME *Expeditious* SAIL NUMBER *18763*

To be completed by
 Measurer: *[Signature]*
 Floation Date: *5-1-87*

FOR THE INFORMATION OF OWNER AND CREW
 The owner shall complete this inventory & together with the measurer check & initial each item. Clarification of any item may be made on the diagram at the bottom. If the owner is not present the following must be signed prior to issuing the rating certificate.

1 authorize *[Signature]* as my representative and understand my responsibilities as laid down in the International Offshore Rule.

Signed: *[Signature]* (Owner)
 1 Interior Ballast Rule 107 28 Description Weight Distance from stem Owner Initial Measurer

2 Anchor(s) at least one to be on board
 a. *Danforth 13s* 20 14 *[Signature]*

3 Batteries
 a. *Acid 12v* 55 19.6 *[Signature]*
 b. *"* 55 18.6 *[Signature]*

4 Tools
 20 19.0 *[Signature]*

5 Engine (for o/b in fixed stowage)
 Make *Yanmar* Model *2GMF* *[Signature]*

Use	Type	Capacity	Distance from stem	Condition at time of measurement	Yes/No
a holding	P/T.	5	7.0	empty	
b H ₂ O	P/T	26	18.6	empty	
c Fuel	alum	22	16.0	empty	
d propane	alum	5	33.0	full	

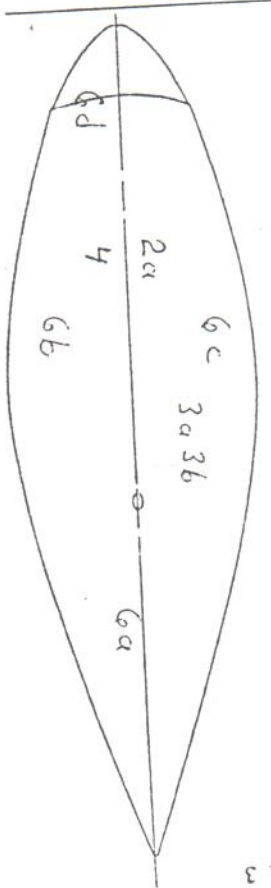
7 List of items normally forward but placed about the mast for measurement on the cabin side

TOTAL WEIGHT
[Signature]

8 One set only of portable deck equipment on the cabin sole about the mast for measurement. Refer to Rule 202.2A
 Weight 40
 Distance *[Signature]*

9 Other major items and items unusual in weight, quantity or location
 Description Number Weight Distance from stem

10 I certify that this is a true record of stowage at the time of measurement
 Signed *[Signature]* (Owner/Representative)
 Date *5-1-87*
 Measurer's Name and Signature *[Signature]*



APPENDIX 3