

1978 SINGLEHANDED TRANSPAC ENTRIES

J. D. Akerson	Seafarer 25	Svenska	246	1
Skip Allan	Wylie 28	Wildflower	174	2
Amy Boyer	Freya 39	Robert Quinn	138	3
Karl Burton	Columbia 57	Magic		4
Bill Cannon	Moore 24	Flyer	144	5
Richard Carsen	Marshall Cat 22	Bird of Downing		6
John Carson	Crealock 37	Taylor's Landing		7
Robert Coleman	Fantasia 35	Shivoo	162	8
Bill Collins	Mull 30	Lively Lady		9
Phil Cushing	Santana 22	Small	234	10
Darrell Davey	Pearson Vanguard 32	Uhuru	204	11
Richard Flint	Custom Tri 52	Running Cloud	-	12
Jim Gannon	Freya 39	Golden Egg	138	13
Tom Garnier	Bahama 25	Reinrag	246	14
Jim Grey	Freya 39	Freya	138	15
Mike Harting	Custom 38	Challenge	246	16
Gene Haynes	Columbia 26	Pretz I	228	17
Brian Heller	Custom 24	Radical	156	18
Don Keenan	Vega 27	Lani Kai	(246)	19
Tom Lindholm	Ericson 41	Driftwood	132	20
Mike Lintner	West sail 32	My Star	(204)	21
Mike Pyzel	Cal 28	Caballo Blanco	(204)	22
Mel Richards	Kettenburg 46	Gossip	114	23
Noel Rosen	Rustler 26	Kiwi II	174	24
Kent Rupp	Pearson Triton 28	Nereid	(252)	25
Alan Rutherford	Cal 40	Quest	108	26
Norton Smith	Santa Cruz 27	Solitaire	138	27
Bruce Stevens	Brown Tri 37	Triessence	-	28
Lawrence Stewart	Peterson Schooner 37	Thale	204	29
Roger Townsend	Samourai 24	Si Bon	222	30
Harold Upham	Columbia 29	Joshua H	198	31
Sam Vahey	Ranger 37	Odysseus	120	32
Jay Varner	Halberg-Rassey 35	Wings	174	33
Hans Vielhauer	Scampi 29	Mach Schnell	174	34
Dave White	Crealock 37	Intention		35
Bob Whitney	Ranger 29	Gypsy	(186)	36
Bob Wohleb	Freya 39	Espial	138	37

### FINISH LINE

Off Puu Poa Pt, Island of Kauai, Hawaii Islands. The finish line is the seaward projection of a line from Puu Poa Pt to a yellow and white buoy with a flashing 4 sec. white light one mile off shore. The line, which runs about WNW and ESE magnetic, must be crossed within 1/2 N.M. and to seaward of the buoy leaving the buoy to port. The line is crossed when the buoy bears 095° magnetic.

A VHF Radio call to the Race Committee on Ch 68 is required as each yacht approaches within 15 miles of the finish line. If no response on Ch 68, please call the marine operator using Ch 26, 27 or 28 and Club Med phone No. 808-826-6511 for this position report.

### REQUIREMENTS FOR AN OFFICIAL FINISH

Each skipper will be required to complete three tasks before being counted as officially finished.

1. Cross the seaward finish line properly. This time is your recorded finish time for honors.
2. Anchor the yacht safely, swim or paddle to shore and cross the white finish line at Club Med's bar. This time is also recorded for a beautiful prize to be given.
3. The log provided by the Society must be completed and turned in to the Race Committee within 1½ hours of your crossing the seaward line. This log will most likely be collected by the committee boat in Hanalei Bay.

Please remember all boats are subject to inspection by the Race Committee on arrival in Hawaii.

Please advise the Singlehanded Sailing Society upon arrival in Hawaii if you have disqualified yourself or your yacht for any reason.

If you discontinue the race, please advise the Society as soon as possible. Phone 415-465-7932.

### PROTESTS

Protests must be made in writing and within 24 hours of the finish of the protesting yacht and must be handed to the Race Committee at Kauai for decision. Advise R.C. by radio immediately if you are within radio capability or as soon as possible.



#### RADIO CONTACT

Each day at 2100 Greenwich Time a radio check will be monitored by all yachts on Ch 68 for a ten minute period. Any yacht wishing to have their position and or condition passed along is encouraged to use this network as some yachts will have Ham or SSB radios. Those yachts may pass the reports back to the Race Committee by calling collect to the Singlehanded Sailing Society at 415-834-6877.

#### EMERGENCY BEACONS

Major airline companies have been alerted to the fact that all yachts in the race will have 121.5 and 243.0 as an emergency frequency. Please do not use the emergency locator beacon unless your yacht is in imminent danger of being lost, or a personal injury will prevent you from sailing your yacht to safety.

## COURSE

Two thousand one hundred ninety six nautical miles. Start between the end of Aquatic Park Pier and the committee Boat; thence across the finish line.

## STARTING INSTRUCTIONS

1. The starts are scheduled to be made at 1300 Pacific Daylight Savings Time June 15 and June 19, 1978.
2. Warning Gun and Whistles at 1250  
Preparatory Gun and a White Signal at 1255  
Starting Gun and a Red Signal at 1300
3. Any postponement of the START will be signalled by two guns or whistles. Postponement will be for 5 minute intervals. If there are additional 5 minute postponements they will each be signaled by two guns or whistles.
4. The Warning, Preparatory and Starting Signals will each be preceded by a 10 second countdown on VHF Channel 68.
5. Each Yacht will be timed from the instant that the starting signal is made. (When the signal hits the peak or is "two blocked").
6. Start on a line between the committee boat and the outermost tip of the Aquatic Park Pier in San Francisco Bay.
7. A yacht will be considered to have started early if any part of her is over the starting line at the time the Starting Signal is made.
8. A yacht starting prematurely and failing to heed the Recall Signal will be penalized by having 2 hours added to her elapsed time. A yacht starting prematurely may return and start properly without penalty. Every effort will be made to advise any yacht that is prematurely over the line, by voice hailer and over VHF Channel 68.
9. All entrants must check in with the Race Committee Boat by passing close aboard and hailing or by radio on VHF Channel 68. Be sure your check-in is acknowledged. Check-in must be completed prior to 1240 P.D.S.T.
10. Remain off the air on VHF from 1240 on except for emergency traffic.
11. No hails will be answered by the Race Committee Boat after the Warning Signal is made.

## RIGHT OF WAY

For the purpose of determining right of way between contestants, the Racing Rules of the U.S.Y.R.U. shall govern until the expiration of eight hours after the yachts shall have started. Thereafter, the International Rules of the Road at Sea shall apply.





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275°

095°

FINISH LINE

BUOY

159° 31' W

22° 14' 36" N

285°

Puu Poa Pt.

Lumaha Pt.

Lumaha Beach

Makahoa Pt.

HANAIEI BAY

Puu Ka Manu

HOTEL

Puupehu

FLAGSTAFF

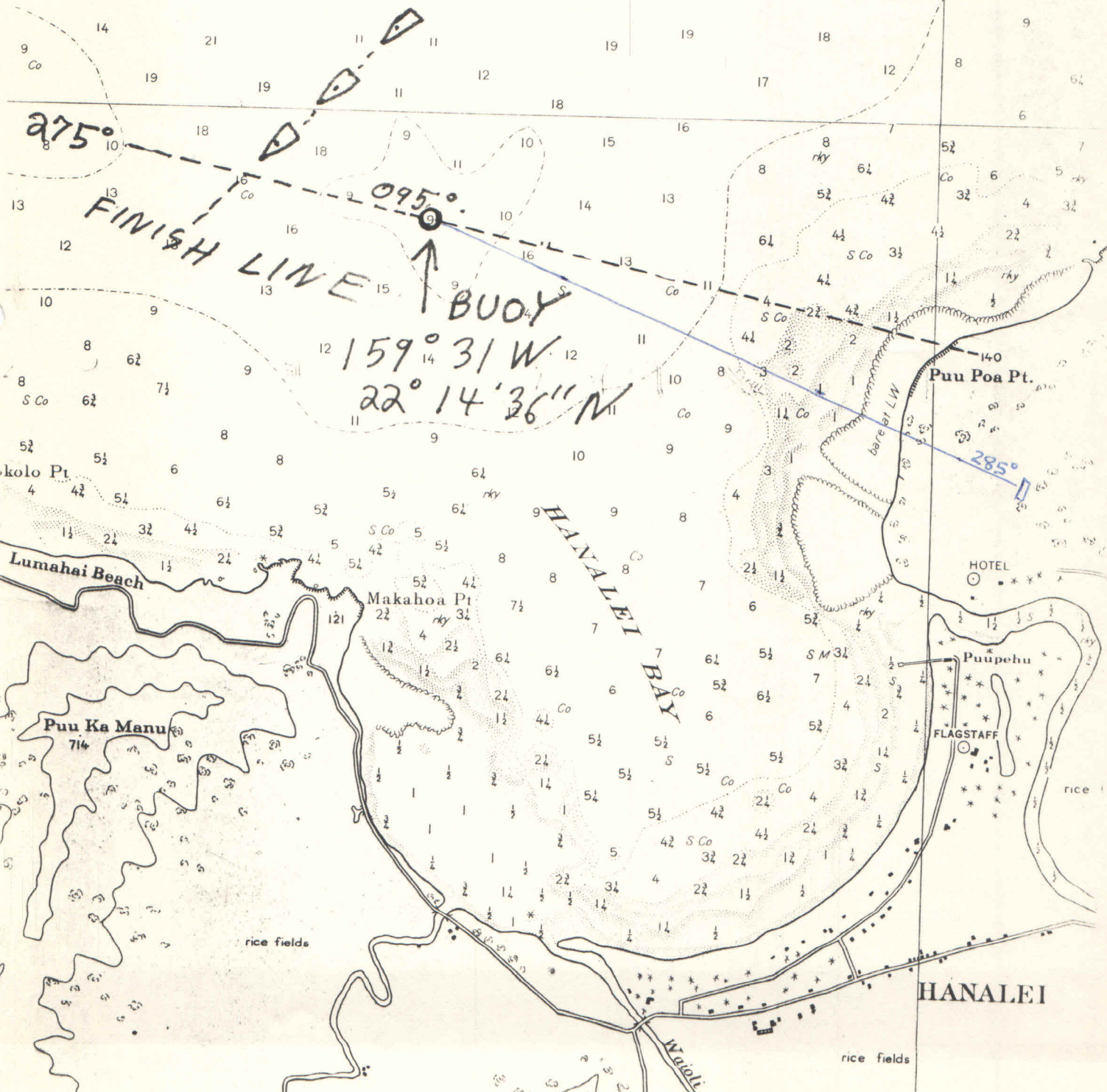
rice

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HANAIEI

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Waialeale S







SAN FRANCISCO TO HANAIEI BAY

Initial Point: S.F. Lighted Approach Buoy 37°45.0N; 122°41.5W

Terminal Point: Approximately 1.0 N.Mi N of Hanalei  
 Bay entrance: 22°15.0N; 159°30.5W

(a) Great Circle Course

Ref.Pt.	Latitude	Longitude	Distance Fm Start N.Mi.	True Heading Deg	Var'n DegE	Mag Heading Deg
Start	37°45.0N	122°41.5W	0	254.7	16.6	238.1
1	37 40.9	123 00.0	15.2	254.6	16.6	238.0
2	36 58.1	126 00.0	164.6	252.7	16.5	236.2
3	36 09.9	129 00.0	317.0	250.8	16.5	234.3
4	35 16.1	132 00.0	472.7	248.9	16.3	232.6
5	34 16.5	135 00.0	632.1	247.5	16.0	231.5
6	33 11.0	138 00.0	795.5	245.7	15.6	230.1
7	31 59.4	141 00.0*	963.2	244.0	15.1	228.9
8	30 41.5	144 00.0	1135.5	242.6	14.6	228.0
9	29 17.2	147 00.0	1312.8	240.9	14.1	226.8
10	27 46.4	150 00.0	1495.1	239.7	13.4	226.3
11	26 09.0	153 00.0	1682.8	238.4	12.8	225.6
12	24 25.0	156 00.0**	1875.9	236.9	12.3	224.6
13	22 34.4	159 00.0	2074.6	235.8	11.7	224.1
Finish	22 15.0	159 30.5	2108.8	235.6	11.6	224.0

\* 130 Nmi, 337°T from Ocean Station Vessel "N"  
 \*\* at 158°00W, course is 89.3 Nmi N of Kahuku Pt

(b) Rhumb Line Course

Distance: 2127 N.Miles  
 True Heading: 244°

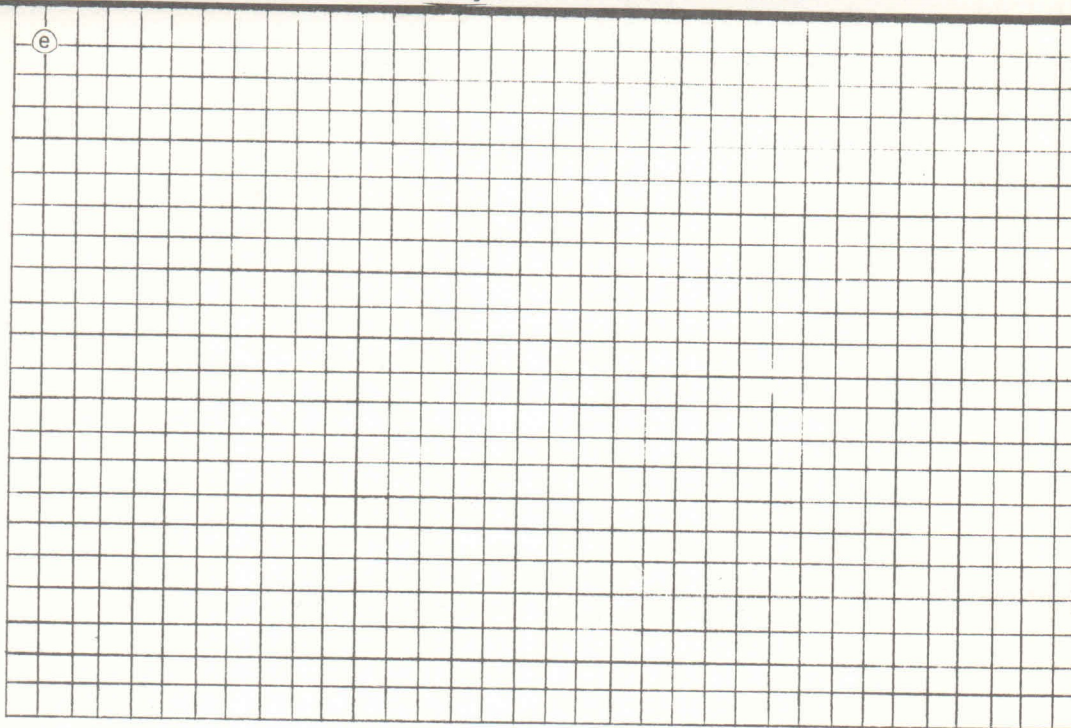
GHF  
 3/31/78



Ⓐ DATE \_\_\_\_\_ Ⓑ DR LAT. \_\_\_\_\_ Ⓒ DR LONG. \_\_\_\_\_

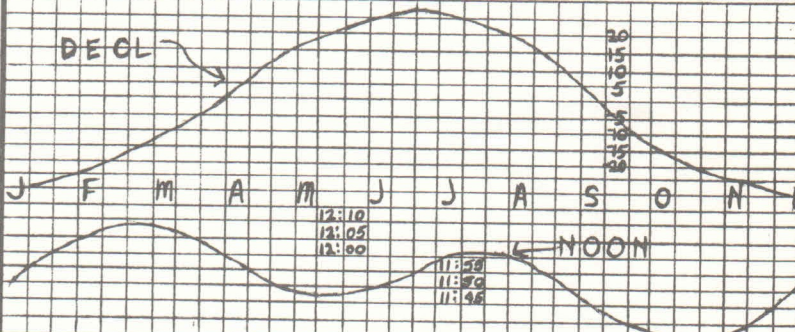
# LATITUDE & LONGITUDE by NOON SUN

TIME <sup>Ⓓ</sup> Hs.				
h	m	s	°	'



Ⓕ  $LAT. = 90^\circ - Ho \pm DECL.$

IF NORTH ↓  
IF SOUTH ↑



Ⓖ LOCAL STAND. TIME	h	m	s
Ⓗ WATCH CORR'N			
Ⓘ TIME ZONE			
Ⓙ GMT. <sup>Ⓙ</sup>	h	m	s

USE THESE GRAPHS ONLY WHEN NAUT. ALM. NOT AVAILABLE.

CORRECTIONS		Hs <sup>Ⓚ</sup>	
		+	-
Ⓛ SEXT. ERR	IC		
Ⓜ FRONT PAGE NAUT. ALM.	ALT		
Ⓝ EYE HT.	DIP		
Ⓞ TOTALS			
Ⓟ NET CORRECTION			

Ⓥ  $LONG. = GREN. TIME OF LOCAL MER. PASS., MINUS GREN. TIME OF GREN. MER. PASS., CHANGED TO ' "$

Ⓦ GMT. LOCAL MER. PASS. <sup>Ⓦ</sup>	h	m	s
Ⓧ GMT. GRN. MER. PASS. <sup>Ⓧ</sup>			
Ⓨ DIFF <sup>Ⓨ</sup>			

Ⓡ $90^\circ =$	89	59 <sup>10</sup> / <sub>10</sub>
Ⓢ $Ho =$		
Ⓣ $90^\circ - Ho =$		
Ⓤ DECL. FROM N. A.		

TO CHANGE TIME TO DEGREES:  
 1 HR = 15° 1M = 1/4° OR 15'  
 1 SEC = 1/4°  
 OR TABLE i NAUT. ALM  
 OR GHA DAILY PAGE N. A.

_____ H _____ M =			
_____ M _____ S =			

LAT <sup>Ⓡ</sup> \_\_\_\_\_ ° \_\_\_\_\_ '

LONG <sup>Ⓡ</sup> \_\_\_\_\_ ° \_\_\_\_\_ '



Summarization NOAA National Weather Service Yacht Race Support--1978

Schedules

Race	Start	Approx. Finish
Los Angeles--Papeete	June 10	June 30--July 9
San Francisco--Kauai	June 15&22	July 14
Victoria--Maui	July 1	July 12-16
Papeete--Honolulu	July 16	July 31

Annual State of Hawaii Pre-race briefing--1700 HST Aug. 11;  
Starts Aug. 12; finishes Aug. 17-18

Meteorological Coverage

Los Angeles--Papeete Coverage

Synopsis as in 1976, for Zones I through XI, (attachment 1A, 1B--San Francisco prepares script through Zones V-VI-VII, transmits to PHNLYM for entry on WWVH; Honolulu takes over script with Zones VI-VII-VIII) plus selected two observations with Zones IX, X, XI from 91925, 91938, 91940, 91941, 91943.

San Francisco--Kauai Coverage

High pressure center, etc., 1020 mb isobar (or alternate) as in previous TRANSPAC races by Honolulu.

Victoria--Maui Coverage

High pressure, 1020 isobar as above, alternating with grid point winds as in 1976 race (attachment 2A & 2B--San Francisco prepares script for up to 140th, then Honolulu takes over).

Papeete--Honolulu Coverage

Triple zones of 5° progressively along the great circle.

Around Hawaii Coverage

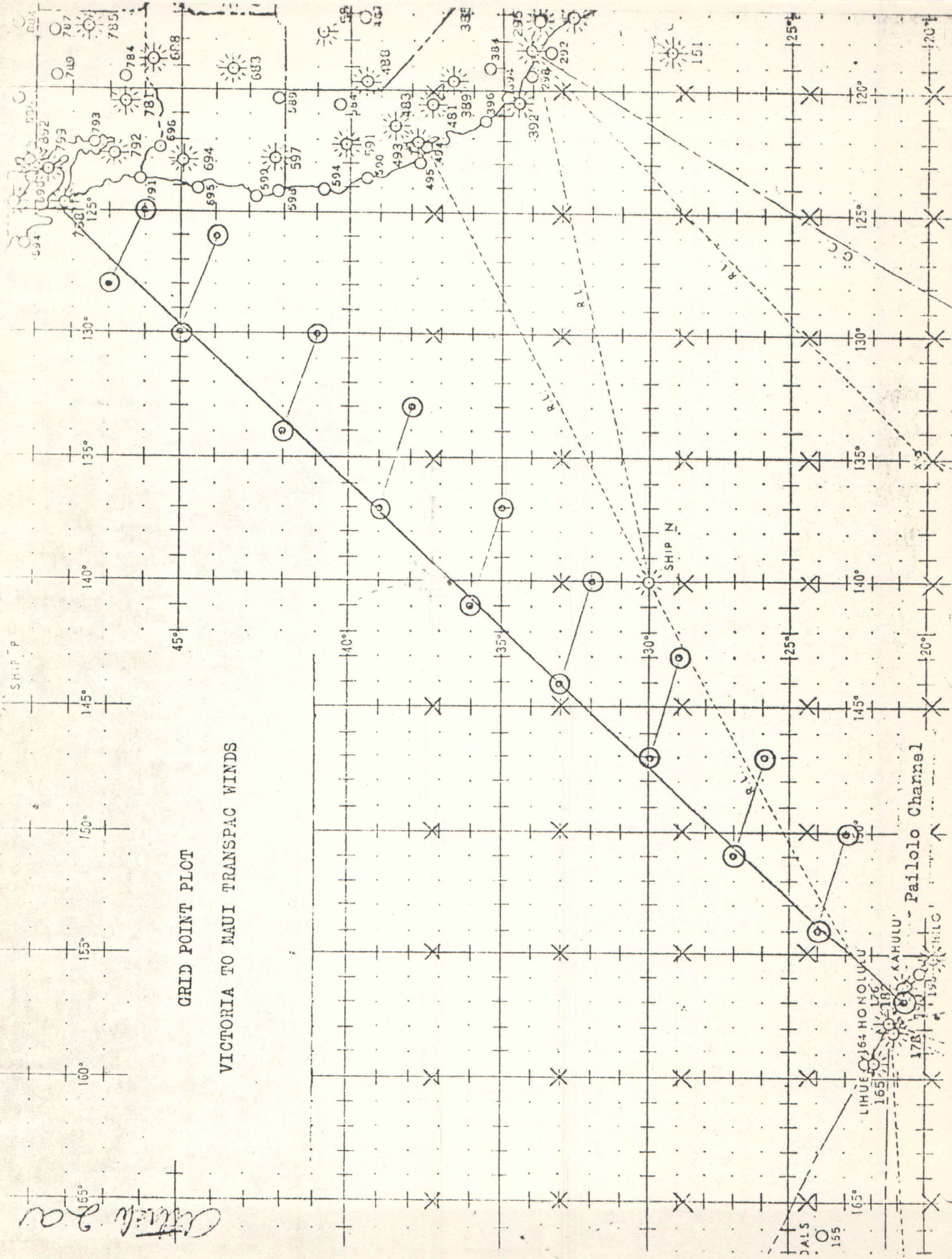
Pre-race briefing, VHF coverage as in previous years.



*Chart 20*

GRID POINT PLOT

VICTORIA TO MAUI TRANSPAC WINDS



Pailolo Channel

KAHULU  
HONOLULU

SHIP N.

SHIP P



FORM FOR COPYING NBS WWV AND WWVH 1970 VICTORIA-MAUI  
 SUPPLEMENTAL WEATHER BROADCAST

TRANSPAC WEATHER

\_\_\_\_\_ ZULU \_\_\_\_\_ . HIGH \_\_\_\_\_ MILLIBARS AT  
 \_\_\_\_\_ NORTH \_\_\_\_\_ WEST \_\_\_\_\_ NORTH \_\_\_\_\_ WEST (two center positions  
 may be given if high pressure system is elongated).

1020 ISOBAR: \_\_\_\_\_ NORTH \_\_\_\_\_ WEST; \_\_\_\_\_ NORTH \_\_\_\_\_ WEST;  
 \_\_\_\_\_ NORTH \_\_\_\_\_ WEST; \_\_\_\_\_ NORTH \_\_\_\_\_ WEST; \_\_\_\_\_ NORTH \_\_\_\_\_ WEST.

PREDICTION FOR \_\_\_\_\_ ZULU \_\_\_\_\_ . HIGH \_\_\_\_\_ AT  
 \_\_\_\_\_ NORTH \_\_\_\_\_ WEST

-----  
 VICTORIA-MAUI

TRANSPAC WINDS FOR \_\_\_\_\_ ZULU \_\_\_\_\_

47 NORTH 128 WEST _____ ° _____ KNOTS	46 NORTH 125 WEST _____ ° _____ KNOTS
45 NORTH 130 WEST _____ ° _____ KNOTS	44 NORTH 126 WEST _____ ° _____ KNOTS
42 NORTH 134 WEST _____ ° _____ KNOTS	41 NORTH 130 WEST _____ ° _____ KNOTS
39 NORTH 137 WEST _____ ° _____ KNOTS	38 NORTH 133 WEST _____ ° _____ KNOTS
36 NORTH 141 WEST _____ ° _____ KNOTS	35 NORTH 137 WEST _____ ° _____ KNOTS
33 NORTH 144 WEST _____ ° _____ KNOTS	32 NORTH 140 WEST _____ ° _____ KNOTS
30 NORTH 147 WEST _____ ° _____ KNOTS	29 NORTH 143 WEST _____ ° _____ KNOTS
27 NORTH 151 WEST _____ ° _____ KNOTS	26 NORTH 147 WEST _____ ° _____ KNOTS
24 NORTH 154 WEST _____ ° _____ KNOTS	23 NORTH 150 WEST _____ ° _____ KNOTS
21 NORTH 157 WEST _____ ° _____ KNOTS	PAILOLO CHANNEL _____ ° _____ KNOTS

Note: Any one broadcast to consist of only three consecutive lines..



June 10-14

HH + 51 To Papeete Race

June 15-30

0051	0151	0251	PE6H	To Papeete Race
0351	0451	0551	PE6H	High (for Single Handers)

July 1 - About July 16

0051	0151	0251	PE6H	To Papeete Race
0351	0451	0551	PE12H	High (Single & Victoria)
0951	1051	1151	PE12H	Victoria-Maui Wind Grid

July 16-31

HH + 51 Papeete to Honolulu

NOTES: PE6H/PE12H - Plus every 6/12 hours.

This may need to be revised somewhat if we get a request for a possible race Los Angeles to Honolulu.

RADIO BROADCASTS AND TELEPHONE NUMBERS FOR MARINE WEATHER FROM HAWAII

- BY TELEPHONE -

OAHU	845-3921*	MOLOKAI	552-2477#
OAHU	845-2102	KAUAI	245-6001*
MAUI	877-3477*	LANAI	565-6033#
HAWAII	935-9883*		

\* Recorded forecasts # KBA-99 VHF Broadcast

- BY RADIO -

OUT TO OVER 100 MILES OF THE MAIN HAWAIIAN ISLANDS

KBA-99 Continuous Broadcast from NWS Forecast Office Honolulu simultaneously from the following transmitters:

<u>Place</u>	<u>Frequency, MHz</u>	<u>Place</u>	<u>Frequency, MHz</u>
Kokee, Kauai	162.40 (wx 2)	Mt. Haleakala, Maui	162.40 (wx 2)
Mt. Kaala, Oahu	162.55 (wx 1)	Kulani Cone, Hawaii	162.55 (wx 1)

First issuance of small craft advisories or weather warnings are preceded by a 1050Hz (for activating muted receivers set to respond to this alert) and an announcement on Marine VHF Calling/Emergency frequency 156.8 MHz (channel 16).

OUT TO ABOUT 200-300 MILES DAYTIME AND 1000 MILES NIGHTTIME

<u>Station</u>	<u>Frequency</u>	<u>Time (UTC)</u>	<u>Emission</u>
NMO (USCG Honolulu Radio)	2670	0303 0903 1503 2103	A3H
KBP (HAWTEL Marine Operator)	2530	0400 1000 1600 2200	

An announcement is made on calling/emergency frequency 2182 upon issuance of small craft advisories or weather warnings.

ON THE HIGH SEAS

North Pacific between 140°W and 160°E and South Pacific to 25°S between 110°W and 160°E

<u>Station</u>	<u>Frequency</u>	<u>Time (UTC)</u>	<u>Emission</u>
NMO (USCG)	6,506.4 & 8,765.4 kHz	0545	A3J(SSB)
(A3J SSB Modulation)	8,765.4 & 13,113.2 kHz	1745	" "

Entire North Pacific and South Pacific as above:

WWVH (NBS Time Broadcast) 2.5, 5, 10 & 15 MHz 48th, 49th, 50th and when necessary, the 51st minute of each hour

Subtract 10 hours to convert to Hawaii Standard Time (150th meridian).  
Contact your nearest National Weather Service Office for further details.

NWS San Francisco Broadcasts of North Pacific Weather east of 140°W;  
NMC (USCG) on 4,428.7; 8,765.4; 13,113.2 at 0430, 1030 1230 (A3J) and 8,765.4;  
13,113.2; 17,307.3 at 1630 2230 (A3J) and 2,670 at 0230 1403 (A3H) and  
WWV (NBS) on 2.5, 5, 10, & 15 MHz on the 10th and 11th minutes of each hour.



WWVH

National Bureau of Standards Radio Station WWVH  
Kauai Special Yacht Race Weather Broadcast

<u>Dates</u>	<u>Time tape updated</u>	<u>Race</u>
June 10 - 14	*2351 PE6H	Los Angeles--Papeete
June 15 - 30	*2351 PE6H	Los Angeles--Papeete
	*0251 PE6H	San Francisco--Kauai
July 1 - 15 approx.	2351 PE6H	Los Angeles--Papeete
	0251 PE12H	Victoria--Maui HIGH
	0851 PE12H	" " WINDS
July 16 - 31 approx.	2351 PE6H	Papeete--Honolulu

- Notes: (1) Victoria--Maui HIGH & WINDS also for San Francisco-Kauai.  
(2) Dates are inclusive.  
(3) Times UTC (GMT)  
(4) PE6H (PE12H) means plus every 6 hours (plus every 12 hours).  
(5) Tapes recycled hourly on 51st minute until updated.

\* Also on WWV transmitters on 11th minute.

WWVH Routine general weather coverage

Minute of Each Hour

48th South Pacific  
49th Eastern North Pacific  
50th Western North Pacific  
51st Special Yacht Race Weather for this summer series