

SY CORROBOREE

FOR SALE: US\$64,900.00



Fig. 1: *Corroboree* in Tonga, 2018.

INTRODUCTION

By Eric Sponberg, *Corroboree*'s designer and current owner

Corroboree is my first professionally commissioned yacht design that I drew in 1984-5 for an American client who was working in Australia. He had her built by Lloyd Stevenson Yachts of Auckland, New Zealand, in 1986-7, and she is crafted in wood-epoxy of Western Red Cedar and Kauri, a rare species of pine indigenous to New Zealand. Her carbon-fiber, free-standing rig is also my design. The owner named her *Corroboree*, an Australian Aboriginal word for a party or celebration, and shipped her to Michigan where he and his family sailed her on the Great Lakes for 27 years.

In 2014, anticipating my retirement, I inquired of the owner if *Corroboree* might be for sale for my wife Arliss and me to circumnavigate the globe. We bought *Corroboree* and trucked her to St. Augustine, FL, where we lived. After a year and a half of repairs, refurbishment and fit-out, we embarked on a 6½-year circumnavigation that has taken us to dozens of countries. Our voyage will be complete in mid-2023, and we now offer *Corroboree* for sale to the next deserving owner.

It should be noted that *Corroboree* was designed for the Great Lakes, that is, for relatively protected waters. She does not have roller furling for her mainsail or jib, which can make it challenging to raise, reef or lower the sails in offshore conditions. For us the idea of a designer sailing his own boat around the world was just too good a story to pass up, and she

has carried us safely over 30,000 miles. Nevertheless, we feel *Corroboree* is best suited for more protected waters such as the Great Lakes, the Chesapeake Bay, the New England coast from New York to Maine, south Florida and the Bahamas, or the Caribbean.

DESIGN

Corroboree was built at about the same time as Gary Mull's Freedom 36 was put into production by Freedom Yachts in Middletown, RI. Earlier, I was Chief Engineer at Tillotson-Pearson Inc., the original builders of Freedom Yachts, where I was instrumental in the further development of Freedom Yachts' carbon fiber free-standing masts. Both *Corroboree* and the Freedom 36 designs sport free-standing carbon fiber masts in a sloop configuration on a hull with a raked stem, a reverse transom for the F36 and a scoop stern for *Corroboree*, fin keels (the F36 shoal draft version is similar to *Corroboree's*), and separate rudder. The F36 has a spade rudder whereas *Corroboree's* rudder is mounted on a substantial skeg built integral to the hull. The F36 mast was built by Tillotson Pearson Inc., and *Corroboree's* mast was built by PLP Composite Technologies, a composite pole manufacturer in New Hampshire and a long-standing engineering client of mine. The aluminum main boom and stainless steel mast fittings were made by Hall Spars in Bristol, RI.

PRINCIPAL DIMENSIONS

Loa:	10.66 M	35.00'
Lwl:	8.80 M	28.87'
Beam:	3.80 M	12.47'
Draft (sailing trim):	1.50 M	4.92'
Displacement (sailing trim):	8,615 Kg.	19,000 lbs.
Ballast:	2,500 Kgs.	5,507 lbs.
Sail Area (main + jib):	57.33 M ²	617.15 Ft ²
Sail Area (spinnaker):	47.04 M ²	506.38 Ft ²

GENERAL ARRANGEMENT (Bow to Stern, see drawing below and photos at the end)

Forward Cabin: Full-width V-berth (modified from original layout), shelves & lockers port, hanging locker stbd.

Main Saloon: U-settee & drop table port, bench settee stbd., lockers above settee backs

Galley: port, 3-burner stove/oven, refrigerator lkr., double s.s. sink, lockers above & below

Nav Station: stbd., seat & desk, electrical panel, locker above, batteries under seat

Aft Cabin: port, double berth, hanging locker above seat, drawers under seat, lockers on CL

Main Companionway: main engine under lift-out steps

Head: stbd., toilet, sink, countertop, lockers above & below, main engine access by large hatch

Cockpit: T-shaped, generously sized, storage locker under stbd. seat, water/fuel fills under helm seat, LPG locker port aft corner

Transom: scoop stern

Bilges: under floorboards along centerline

Fin keel, external lead casting, mounted to hull with 9 keel bolts

Skeg-hung rudder with stainless steel shaft and composite blade. Skeg is made of wood and fiberglass integral with structure of the hull, bronze shoe/bearing at lower end

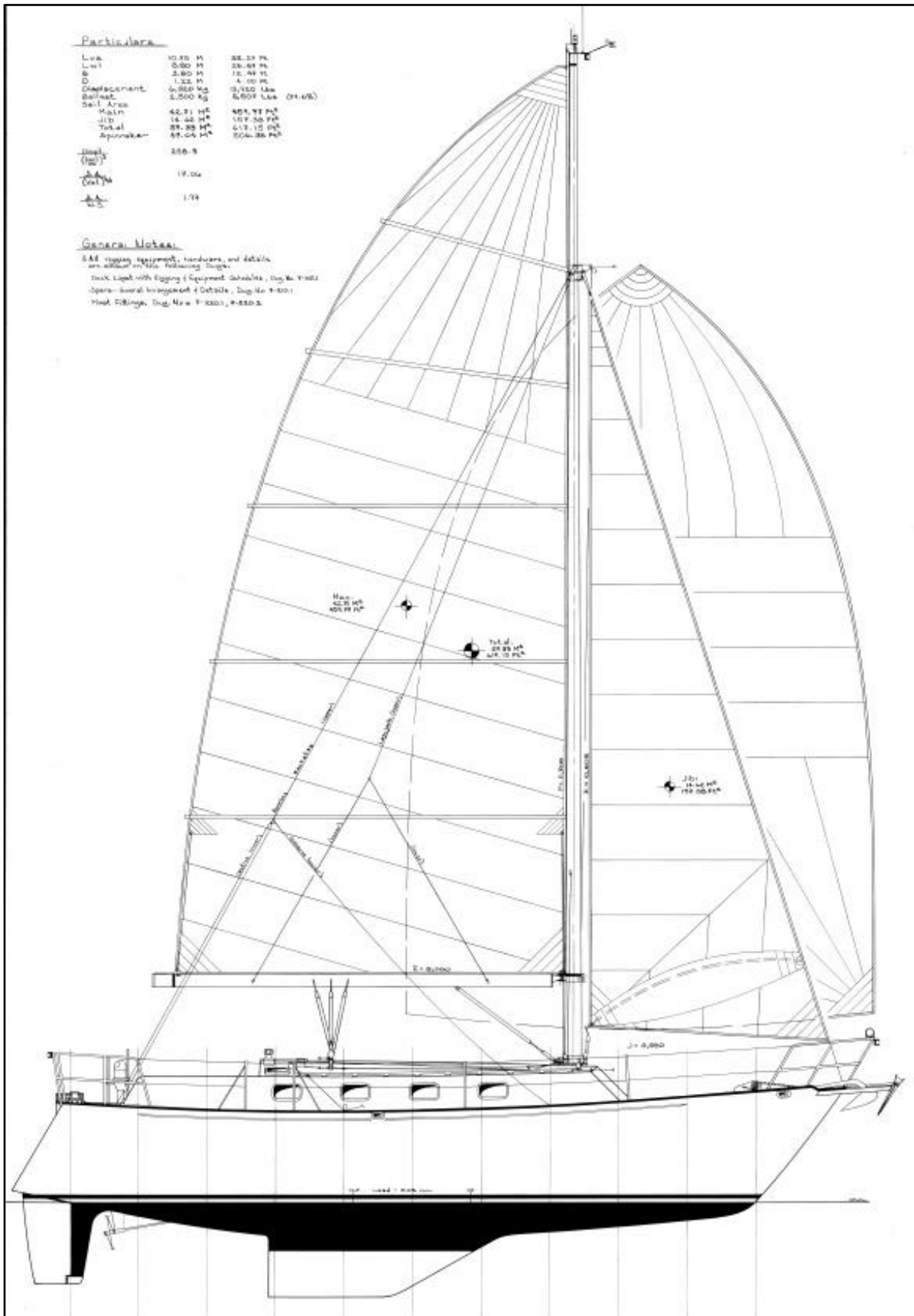


Fig. 2: Corroboree Sail Plan & Outboard Profile.

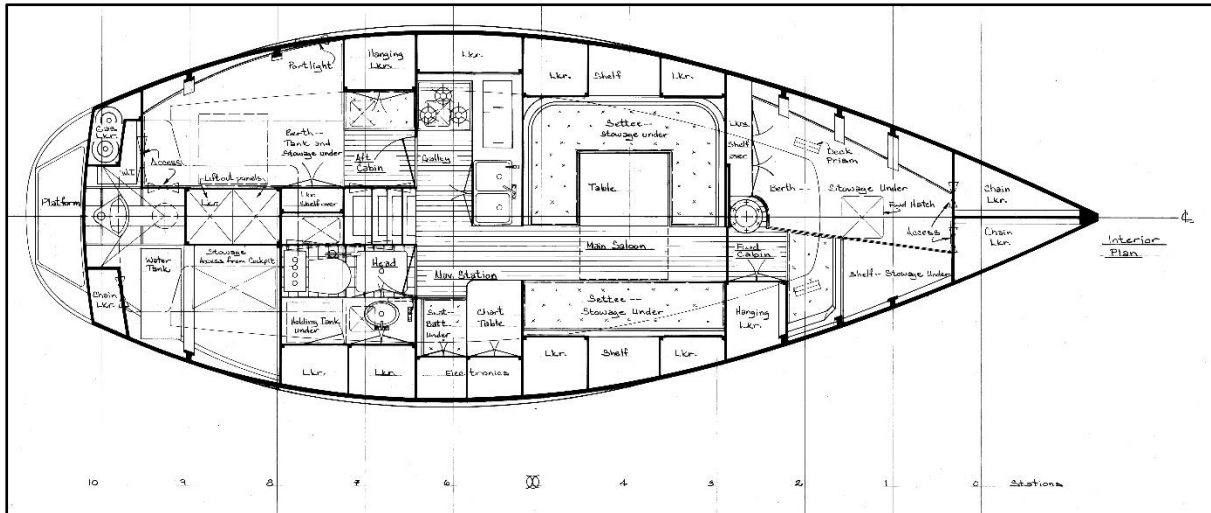


Fig. 3: *Corroboree* General Arrangement. The forward cabin was modified to have a full-width V-berth. Starboard side seat & storage cabinet were removed.

INSTALLED EQUIPMENT

Engine/Mechanical

Main engine: 3GM30 modified to 3GM30F, rebuilt July 2017. Rebuild included new: cylinder sleeves, pistons, rings, connecting rods, main crankshaft bearings, valves, injector tips, and engine mounts. New fuel feed pump installed January 2023.

Flexible engine mounts

Scatra (later AquaDrive) #19100 thrust bearing

1" (25 mm) dia. stainless steel propeller shaft (new April 2022)

Tides Sure Seal prop shaft seal (new April 2022)

Bronze cast propeller bracket with offset to port for removal of prop shaft past rudder

Propeller, Michigan Wheel Sailor fixed two-blade 16" x 11" RH, bronze

Zinc shaft anode on propeller shaft

Engine gear/throttle control, Cockpit stbd.

Engine control panel, cockpit forward

Plumbing

3 x HDPE water tanks totalling 61 gallons, under the cockpit, non-pressurized system (hand pumps at sinks)

1 x stainless steel diesel fuel tank, 45 gal., mounted under aft cabin berth, with access port

Seawater inlets, 1 x engine cooling, with large strainer, 1 x house supply with small strainer

Seawater tap at galley sink

Jabsco manual toilet in head with Vetus 6-gal. HDPE holding tank in cockpit storage locker

6 x 20-liter blue water jugs stowed on deck P&S adjacent cockpit

2 x 20-liter yellow diesel fuel jugs stowed in stbd. cockpit locker

1 x fuel funnel with catch screen

1 x 10-litre red gasoline jug stowed on cockpit floor port quarter

2 x 11-lb. enamelled steel LPG tanks with regulator, stowed in dedicated self-draining LPG locker. port quarter

Through-hulls & seacocks for domestic and engine seawater supply, under aft cabin berth

Through-hull & seacock for galley sink drain, under galley counter, port

Through-hulls & seacocks in cockpit locker for: Engine Exhaust, Holding Tank Drain, Head Sink Drain, Bilge Pumps Drain

Bilge Pumps, electric 12VDC, 4 x Seadog 750 gph (3 under main cabin sole, 1 in bottom of cockpit locker)

Bilge Pump, manual, Whale Gusher Titan, cockpit aft bulkhead

Deck Equipment

Nilsson H700 12 VDC electric windlass with chain wildcat stbd. & gypsy head port

Foot switch for windlass, bow port side

6 bronze mooring cleats, 9" open base, 2 at bow, 2 amidships, 2 at stern

2 bronze hawse pipes forward, 2 hawse openings amidships, 2 bronze fairlead chocks at stern

Bow & Stern s.s. pulpits with double lifelines and tapered s.s. stanchions P&S, opening gates P&S, and aft over transom

2 bronze folding steps on transom

Schaefer, Harken and Ronstan assorted deck hardware

Main traveller rail & double cars with Hexaratchet block by Harken for mid-boom sheeting, 6-part tackle.

Main boom vang block and tackle

Deck Prisms, 2 x bronze and glass, P&S in deck into forward cabin

Bimini over cockpit, s.s. folding frame, sun-resistant canvas cover, 3 front clear windows (center panel rolls up), three windows in top with removeable sun covers. Tie-downs provided for two solar panels on top

Cast bronze deck collar for mast partners, through-bolted to deck

Custom fabricated UHMW mast wedges, Tides Marine

Cast bronze mast step with mast anti-rotation lock bolt, bolted to cabin sole in forward cabin

Maxwell #33 s.s. & bronze 2-speed self-tailing winches mounted on coachroof top

12 x bronze rope hangers, bulkhead mounted, 6 x each side of main companionway hatch

Misc. blocks (Schaefer, Ronstan) fairleads and jammers (Lewmar)

Bomar Deck Hatches: 1 x main companionway with removeable lid, 1 x forward hatch into Forward Cabin, 3 x vent hatches in Head, Aft Cabin, and Galley

Bronze opening portlights, 10

Plastic screens for all hatches and portlights

Edson wheel and pedestal with 4½" Ritchie compass, double instrument pods, and grab rail

Ground Tackle

1 x 35 lb. CQR anchor with 250' G40 5/16" chain

1 x 33 lb. Bruce anchor with 100' of Grade L 8 mm chain + 175' ¾" Nylon rode

1 x 22 lb. Danforth anchor, spare, stowed in cockpit locker

Sails

Mainsail, North Sails, New Zealand, new April 2019

Jib, North Sails, New Zealand, new April 2019, with self-tending CamberSpar-type jib boom

Spinnaker, Unknown maker, original, probably 1988

Spars

Carbon fiber free-standing mast, 50'

Aluminum Main Boom, 17'

Aluminum Spinnaker Pole, 12'

Running Rigging

Assorted yacht braid rigging sizes for: main halyard, main sheet, main traveller, boom vang, jib halyard, jib sheet, spinnaker halyard, spinnaker sheets P&S, fore guys P&S, aft guys P&S, all yacht braid of various diameters 7/16" to 5/8" (11 mm to 16 mm).
Running backstays, s.s. 3/16" (5 mm) dia. plastic coated wire upper parts, 3/8" (10 mm) yacht braid lower parts & retrievers, with Harken Hexaratchet blocks with becketts
Lazyjacks, Dyneema 1/4" (6 mm) dia. upper parts and 2:1 block and tackle 5/16" (8 mm) dia. yacht braid lower parts with Ronstan blocks and snap shackles
Flag Halyards P&S, 3/16" (5 mm) dia. polyester braid

Standing Rigging

Forestay, Dyneema, 5/16" (8 mm) dia.

Electrical

3 x 140 AH AGM batteries under Nav station seat, new March 2020
Magnum Energy 2.5 KW Magna-Sine true sine wave Inverter/Charger with US shore power connection, mounted outboard of Nav Station seat
Two 15 amp shore power cords with assorted adapters
CTEK M300 charger for 240VAC/50Hz input, mounted under Nav table
Electrical Panel, DC and AC, mounted above Nav table
Solar panels, 2 x 100 Watt semi-flexible type, mounted on bimini top
GO Power Solar Controller, mounted in electrical cabinet adjacent Nav station seat
SilentWind 400 Watt wind generator, mounted on dedicated mast on transom, stbd., with its controller mounted inside under the Nav table
12 VDC lighting throughout. 5 x White/Red dome lights, 5 x brass/white reading lights. 1 x white 2-level dome light in cockpit locker
110 VAC outlets in main saloon P&S, galley, and head
12 VDC charger outlets, two in main saloon P&S, one at Nav table
NovaKool electric refrigeration, Danfoss 35 type, new February 2022, Australia
LPG gas solenoid ON/OFF switch, located on bulkhead above stove. Solenoid located in LPG gas locker, cockpit port quarter
Cabin fans, 3 x Sirocco II, one in forward cabin, one in main saloon, one in aft cabin
Dynaplate grounding plate hull bottom, stbd. side.

Electronics

VHF radio, ICOM IC-M423G, GPS and DSC equipped, with external CommandMic
Garmin/DeLorme SE GPS
Iridium GO satellite communications/weather by PredictWind, with exterior antenna
AIS, Vector Marine VisionMate display with exterior antenna
AIS, Spare, Vector Marine WatchMate unit
Raymarine i50 Tridata Depth/Speed/Water Temp transducers and helm readout
Raymarine i60 Wind Speed/Direction masthead transducer and helm readout
Raymarine SmartPilot X-5 wheel drive autopilot

Galley

Force 10 LPG 3-burner marine stove/oven/grill, new March 2020, Australia
Refrigeration compartment, stainless steel lined, countertop access
Double stainless steel sinks, one F.W. hand pump tap (with inline filter), and one S.W. tap
Igloo countertop ice maker (110VAC, 60 Hz) with 110V/220V converter

Head

Jabsco Manual toilet
F.W. hand pump tap with inline filter
Stainless steel sink

Safety Gear

EPIRB, ACR GlobalFix Pro 406 MHz GPS
6 x Life Jackets, 4 x Type I and 2 x Type III
Lifesling, throwable horseshoe flotation device, with lifting tackle
Pick-up marker buoy for MOB
Air horn
Distress Signals kit (flares, smokes, parachutes, mirror, distress blanket)
Liferaft, 4-man Viking RescYou Pro (requires servicing 2023)
Ditch Bag with survival supplies
Fire Extinguishers: 2 x Type BC size 1
Fire Extinguisher: 1 x Halon type mounted in Engine Compartment (out of date but still in commission)
Seabrake drogue/sea anchor with 10' of 10 mm Grade L chain + 175' of ½" yacht braid tether and bridle
Emergency tiller, stainless steel, stowed in cockpit locker

Miscellaneous

Hand-operated watermaker, Katadyn Survivor R-35
Dinghy, Hypalon inflatable, Mercury Airdeck 240, (2.4 meters, 7'10"), with 4 oars and 2 hand pumps
Outboard, Motor, Yamaha 2 HP 2-stroke
2 x HDPE flopper stoppers, home-made, with counterweights, ropes, and blocks
2 x garden hoses with nozzle
1 x water filter for hoses
Bulkhead mounted clock and barometer
2 suits of Line 7 foul weather gear (jackets and bib overalls)
5-part lifting tackle (approx. 250') for a bosun's chair (bosun's chair is EWS' personal gear)

CONTACT:

To discuss the possible purchase of *Corroboree* and/or to arrange an inspection, feel free to call or write to:

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From March to June 2023, we will be at sea crossing from Africa to Grenada in the Caribbean. We can be reached on our satphone by text at: +8816-52426206. To speak by voice, mention that in your text, give us your telephone number, and we'll call you back. It is a lot cheaper for us to call you than for you to call us. Texts are cheap.

**Our at-sea email is: corroboree827@myiridium.net
Backup at-sea email: sponbergryan@myiridium.net**

SEE NEXT PAGE FOR PHOTOGRAPHS

PHOTOGRAPHS



Corroboree soon after launch, 1989



Corroboree under new livery in Tonga, 2018



Corroboree in Cape Town, South Africa, February 2023, starboard side



Corroboree in Cape Town, South Africa, February 2023, port side



Helm view of cockpit, looking forward



Cockpit looking aft

PHOTOGRAPHS (continued)



Main Saloon looking forward to Fore Cabin Main Saloon looking forward starboard side
All upholstery is new, foam and fabric, February 2023



Galley, looking to port



Nav Station, looking to starboard

PHOTOGRAPHS (continued)



Forward Cabin



In Forward Cabin, looking aft to starboard



In Forward Cabin, looking aft to port

PHOTOGRAPHS (continued)



Head, looking aft, starboard



Companionway stairs, looking aft, centerline



Main engine under stairs, looking aft, centerline



Aft Cabin, looking aft, port

[END OF SPECIFICATIONS]