Interview with 11th Skate National Champions Doug Jeffkins & Denis McEnearney and Runners-Up Ben Piefke & Frank McBeath (who won the 12th Nationals)

SKATE WITH **BOTH FN**

Ross Telfer talks with 1968 Australian Skate champions, Doug Jeffkins and Denis McEnearney, and runners-up Ben Piefke and Frank McBeath. In brief, how to design, build, rig and sail a successful Skate. Other classes could benefit.

year of sailing. In that time he has sailed VJs, 16-foot Skiffs and Skates. At one stage he was racing a VJ on Saturday and a Skiff on Sun-day. In 1946 he was NSW VJ Champion. He was club champion at Port (first and second) to the more con- other than to acknowledge Doug's Hunter (eight times in a VJ, twice in Skiffs), Marmong Point (VJ) and Speer's Point (Skate, three times).

Unpretentious, Doug is the essence of practicality. At the same time, he is probably the most influential inno-

DOUG JEFFKINS is in his 26th vator in Skate design at the present time. He designed and built the first four placegetters in the recent Australian championships. The interest-ing point is that his designs ranged from the bluff nosed Fury and Bitta

ventional Zot (Kev Phillips, Gosford - third) and the more veed Echo (Warwick Wood, Concord-Ryde fourth).

Denis McEnearney and Frank McBeath were outstanding for ard hands in the championship series, so they supplied information on spinnaker handling and crewing for this article.

Ben Piefke used to sail with Doug. and on many of the aspects of design or construction made no comment

Plefke and McBeath agreed that crew-work is of utmost importance in the quest for success. An idea of the "three-way brace and all-round tack" spinnaker system can be gauged from this photograph. When it blows hard, jib is left to flap while crew keeps boat driving under main and spinnaker. These big-bottomed boats really get up and go. More vee for rough courses.





suthority in this area. Ben took all before him in NSW price to the Australian title series, so I asked him to comment, as a highly successful Skate sailor, with Doug.

THE SKATE HULL

Design?

The plan hull is too fine. (Doug.) The boat is far too narrow and too sharp in the for'ard sections. The State is a planing hull; it is meant to nit on top of the water. Fine entry belongs with the heavier classes or selbouts."

But what about slop and heavy waves as you work to windward?

Sure, the Skate will bounce a bit it's flat bottomed but if you run the hoat off somewhat you can usually overcome it. There will be conlitions in which my big, flat bottomand design should be modified. But when this is done the vee has to go under the mast, not up the front of me hull where it does no work. The mg stem area really boosts downwind peed. The boat planes sooner, faster and easier. It is much more buoyant lor ard."

Hen came in here with the comment that Skates must be designed for the prevailing conditions. For the mistively flat waters of Lake Macmarie the big Skate is best. But Doug's snub-nosed Totam took a

Long planks allow smaller crews the power to confidence the beautiful kins and McEnestney swing wide, using house and to the man says, "Use Both Ends When Skutter" In any class, in any company. Brate time

pounding last year in Melbourne. He weight is in the plowest, there's not being the best all-round half Dong has designed and built

season, with the design based on the probable conditions in which the Australias titles will be salled? "Yes, if you really want to wit."

Spring of built?

Minimum still plenty of lift in the boot. The most successful bosts are all built with minimum spring."

Will you retain the long cockpil intended to give a spinnsker bin in front of the mast)?

"Yes. It may be slightly beavier, but it is effective for fast and secure spinnaker stowage."

Is the weight of the hull important?

"Yes, but I feel the present minimum of 100 lb should be increased to 110 lb. I've seen a few boats fall-ing to bits because builders have attempted to keep them right to the minimum. Greater longevity is need ed to benefit the class. When you consider that 70-75 lb of the boat's

pointed to Wood's Echo to probably much going into Innorwork. Light per is mot imperiant, openially owinging plants. During the champomiting writes I changed back from the new-last paints, where I could. By ming my sharter becard hand plant I seed 16.5 weight in the lighter females. It all helps."

How do you support the most? The most is supped on the deck for, in Fury's uses, so the floor of the stockpit). I use stainless steel red from the chairplans and stem to a floating support from which a vertical rod runs to the base, of the step. The three-point suspension enables adjustment to be made as the boat ages. The rods are threaded where they energe from the hall,"

Any other comments on the plan design?

The centreboard case is far too narrow at \$ in. I use 15 in. cases in my bouts. This allows me to use a If in board."

Ben agreed on this. He considered that the stiffness of the fin was vital to windward success.

SEACRAFT, April, 1968 69



RIGGING THE SKATE

Do you get the mast step position from the plan?

"No. The plans were drawn up for the small jib and spinnaker. Shift the mast step back about 14 in. from the plan position. I find around 4 ft. 95 in, from the stem is a good starting

point for most position."

Do you adjust the most position according to weather?

"No. Once I have the must step position for a halanced rig I do not change it. The same applies to rake. I use about 6 in, uft rake at the head of the mast, but as the must also flexes this increases considerably at times. But that rake is used all the time."

How is the most stayed?

"I use single shrouds on each side with a fixed spreader."

How is the jib set? "I raise the tack 4 in. off the deck at the stem to enable the jib to work more effectively with the maintail. It also cuts out a lot of surbulence and interference. As the leach of the 3th is much longer than the fact I shoul the jib so that the angle of the lead is above the miles line. From the deck my jib halyard block on the most is around 134t 2 in up - but I feel a trial and error system must be used."

Spinnaker halyard block height?

Depends on the cut of the spinnaker. I recently had to alter more by seven inches when I bought a new kits. The pole, however, should be no longer than 10 feet. If the pole is longer, the spinnaker creates too much lee helm on a shy run. There is also difficulty with the outhaul tension as the angle from the stem to the end of the pole becomes more acute."

Cut of headsails?

"Both jib and spinnaker have to be flat." Ben added that he did not know of any Lake Skater who specified cuts of sails when ordering All the top boats had sails designed by sailmakers who know their job. Just order your sails, detailing weight of crew and spar design.

The mainsaid?

"I like a senai-full main with the drive uniformly curved. My boom flexes to a maximum of six inches. Ben and I are still experimenting with mast flex."

Bottens?

"I use hard white pine in purity eace to came because I prefer the pine's rigidity and amountment Do you vary the beight of the main

sail on the most?

"No."

Why no lateral adjustment for your central sheeting?

Simplicity. We've amough to do without having to fiddle with the sheet. There would be extra wright there, too. Cestrobourd and radder?

I see a deger he sed rudler with a finel stock and titler. Bes mes a case sinck with an adjustable So-type radder blade. They are simply rectangular in shape."

(I boggled at this, What with Carry's experiments plus the recent SEACRAFT article on profiles 1 felt I had to probe deeper.) "But why don't you shape the profile?" Doug fixed me with his steady gaze "What use are all those curves?" I licked my pencil, turned over the page, and pressed on.

SAILING THE SKATE

One trait of top crews which emerged from this discussion was the readiness of both skipper and crew

the course Doug and Denis, Ber and Frank, said that they talked fron start to finish. As Denis is in his fire season with Doug, the decisions camfrom the stern but flem and Frank each made decisions within their own span of control.

Doug said that his philosophy to sail the bronze - rather than his rivals, even when he is well in the lead. Only sail a knock if it is tacti gally spitical.

Dong's suiling technique in charac terised by two methods:

I Sail a straight line on the runs He has aften picked up places by keeping clear breeze to leeward.

2. Sail close to the breeze. Her sails his bout more freely as a genera rate but whiled that both technique have to be modified to suit conditions What's your championship starting

technique? "If necessary I'll start late to obtain clear breeze. Or eine I'll take a quick leg to windward. In general, I think the middle of the line offers mea opportunities."

Windward techniques?

"In light to medium I work the become taking lifts and tacking or knocks. As the broome fresheds think it is more important to keep the boat moving, even to the extenof uniting through minor knocks." Any angle of heel?

"Hold it as flat as possible, this given the best underwater shope and most effective usiling. In very light wanther we heel it slightly."

Going about procedure?

"We move simultaneously, pushing our planks through as we go,"

With a grin Doug added that Shate sailor requires three hands a the best of times. To date Doug his used only a nine-foot for ard plant with a short one for himself (to an able him to maintain contact with the gunwale). On Brizo, Frank and Ber use two nine-footers occusionally Dong and Denis weigh 10 stone and 9 stone respectively. Frank weight Bi stone and Ben 103.

Ideal crew weight?

"For and hands of around nine some seem best for a skipper of my weight (10 stone). A lighter erev would have difficulties. For Lake Macquarie or Sydney I'd advocate a crew of 19 to 21 stone total weight

"For next year's Australian Cham pionship series at Nedlands we'll need another stone in weight plus better condition. I may build a 10-foo plank for Denis."

A new bull for next year?

"Yes - very similar to the present one but with a little more vee under the mast"

(Continued on page 102





A HANDYMAN SAVES MONEY!

if you own a boat, you need SEACRAFT'S HANDYMAN ANNUAL '68

Here is an invaluable magazine covering every fact of boat maintenance from carpentry, through and staining and painting to signwriting and sailmaking.



Features Include:

- Was and laying your own mooring.
- . Carage lor small boats.
- Search plug trouble shooting.
- . Para trailers—outboard caddles.
- . She be one guide to boat buying.

The man and the saves money!

- HANDYMAN ANNUAL

SKATE WITH BOTH ENDS

(Continued from page 70)

Techniques off the breeze?

"On the shy, keep the pole as square as possible, and mose crew weight aft. In heavy gusts case both the spinnaker and the mainsail. If it's really blowing we leave the jib right off."

Why not roller reefing? "I don't like the effect on jib shape, I prefer horinietal 58 bottens, too

On the square run?

As some as we round the mark I sit on the leeward side. This gives Denis a stable hull on which to operste, it also enables me to adjust the brace as the pole

All this stage it seemed appropriate to let the for and hands have their say. In assence, their techniques in raising lowering and jibing the spinnaker were similar. This is mainly because both used similar rigs. The pole is fitted with double wire braces with rope leads through blocks on the gonwale to cam clean. Bliss has the brace through another block on the macket floor to facilitate adjustment Jeffkins has his cam cleats with welded stainless handles to enable quick adjustment.

There is a wire balyard, and a rope kicker or outhaul. There are double tailropes permanently through blocks on the panwaie.

Both woolled up the spinnakers before the start,

RAISING THE SPINNAKER

The spinnaker is rigged on shore: tack to end of pole (clipped or swivel shackled); head to halyard; pole to outhaul. The pole is pulled down to the stem by the outhaul and the spinnaker tacked in a narrow line around the outhaul back to the mast. The pole lies across the deck with the end either in the water or held up by a loop of cord to the chainplate or a piece of vertical hose on the gunwale.

To raise the spirmaker, houl the windward uphaul which raises the spinnaker in the lee of the lib. Partially release the outhaul, place the pole on the must, adjust the brace, tighten outback and pull on tailrope.

Prank McBeath pre-sets Bliss's outhaul and brace (they are both marked for various settings). The spinnaker is raised, then Frank angles the pole until be gets the jaws on the most (usually up near the crosstrees!) then he forces it down into place. No job for a weakling, but it saves seconds.

LOWERING THE SPINNAKER

Brace off, outhaul in, pole off, spinnaker down. Typical of the efficiency of top crews. Denis told me he saved time by adjusting his method to his movement. He pulls the outhand in and takes the pole off the must. As he moves past the mast to do so he grabs the halyard. Keeping this in one hand he throws the pole over to the other side ready for the next shy, then moves back to his place on deck, pulling the spinnaker back with him and lowering it simultaneously

THE JIBE

Release brace (and in Bluss's case, pre-set outhout and opposite brace) and pass over pole, keeping the end above the stem line so that the lee brace is not swept under the bost. Place pole on mast, set opposite brace. To conclude, what is your estimate of the Skate as a sailing class?

The class has been fortunate to have a man of the calibre of Fred Walpole as national president. Secondly, the some of competitors makes it a good racing class.

"So far as the Skate plan is concerned, I feel that the sail plan is adequate. The hull design, however,

locks imagination.

Doug felt that classes with wide tolerance for innovation, such as the 16-foot Skiff, were showing permanent appeal. He pointed to the strength of Skiff fleets at the moment and the cyclic development of hull design

100 SEACRAFT, April, 1968