



the overall results be sure to include names of skipper and crew, home club or fleet, places in each race, total points, and standing in fleet.

Mary Kinas

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Call or Write for Information:

On Kinetics

A veteran one-design champ offers his evaluation

Last fall, at the 1979 IYRU Meeting, IYRU Vice President Paul Henderson submitted a radical proposal to eliminate pumping, ooching, rocking, roll tacking and virtually any other form of kinetic body energy from competitive sailing.

Paul Henderson's sailing background includes 36 years of competition, during which he actively campaigned Finns, Flying Dutchmen, International 14s, Solings and, currently, Stars. He represented Canada in the Olympics in both Finns and FDs, along with claiming the FD U.S. Nationals title several times. He also finished third in the Finn North Americans. InSolings, he won the Atlantic Coast Championship, and in Stars, he finished third in the North Americans, won the last race of the 1978 Worlds and claimed a very respectable third in the recently completed Star Bacardi Cup.

At the administrative level, Henderson was a member of the working party that formulated the alternative provision of rule 60.3 (the "Black Flag" rule), which, when conditions merit, allows the race committee to signal competitors that they may now pump, ooch, rock and scull as much as they desire. Besides being current Vice President of the IYR U, he is also a member of the Class Policy Committee.

The Henderson proposal, which follows, and the accompanying interview with the outspoken Canadian yachtsman provide a comprehensive look into an issue that may completely change the nature and future of smallboat racing.

The new trend aboard performance boats is to use body energy to impart kinetic energy to the boat so as to propel the boat favorably. Each generation has refined and expanded the techniques to the point where a race could be held in a flooded stadium because wind is not required and, in some ways, is a hindrance to getting around a race course. The following techniques are now an accepted form of the art in most boats:

1) Rudders all swept back to the maximum so one can scull more efficiently. This especially helps in the first 50 meters after a start where astute sculling means the difference between getting clear air and being buried. The 470s do it by letting the rudders float up; the Optimists build specially shaped rudders to do the job, as do the Flying Dutchmen.

2) Boom vang sheeting is now in vogue. The vang is built to take over all of the functions of the mainsheet except that of moving the boom in a lateral plane. This allows the helmsman to use a 1:1 mainsheet which greatly facilitates pumping. The technique upwind is to pump the main to get the air wedge energy and then, to let it out quickly enough so as to not lose the laminar flow.

3) Rocking downwind has been known for a long time. This has now become commonplace upwind so as to drive an air wedge, thus imparting energy to the sail.

4) Sailors upwind are now unweighting their boats over the waves similar to what ski racers do over bumps. They raise their bodies up going up the wave and push down going down the wave. 5) Roll tacking has become a major form of propulsion. In the past, good racing tactics have decreed that you would only tack on windshifts because of the loss of speed incurred when going through the eye of the wind. A racer can now gain by tacking rather than sailing on a tack by roll tacking. First, they let the boat heel to leeward. then violently hike, thus bringing the sail over almost to capsize. When the wedge of air is compressed, and therefore the energy maximum, they thrust the tiller over in a violent scull. When the boat is on the other tack, the mast, which is now heeling to the new leeward side, is brought sharply to the vertical position, thus imparting more energy to the rig.

6) Sculling upwind with efficient rudders greatly affects the speed. The helmsman sculls sharply into a wave so as to overcome the negative force of the wave, thus accelerating the boat through the wave.

7) Pumping downwind is now done in two ways. The crew pumps the spinnaker while on the trapeze to windward while the helmsman sits to leeward, holding the boom with his hand and constantly pumping.

8) Downwind, the boat is now steered (Continued on page 11)



(1/2 actual size) Red Snipe and white sailboat on light and dark blue background with yellow letters and border. Either on felt or washable cotton twill. Size 3" x 3½"

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JULIC DULLEIIN
(USPS 611-500)
SNIPE CLASS
NTERNATIONAL RACING

CHIDE DIHLETIN

ASSOCIATION JUNE 1980

No. 6

Vol. XXIX

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CHANGE OF ADDRESS

Notify Snipe BULLETIN of any changes, both old and new addresses complete with zip code. Allow a month to become effective.

THOUGHTS WHILE SAILING

In this issue we are re-printing an article from YACHT RACING/CRUISING. The subject of kinetics is a timely one and must be resolved before very long. Paul Henderson recognized the problem and got it on the IYRU agenda. YR/C has done an excellent job in presenting this subject and we commend it to your careful thought.

In order to determine how the sailors feel, a questionnaire accompanies this article. YR/C has generously agreed to tally the replies according to class, and a future SNIPE BULLETIN will include the results. We urge you to send in the questionnaire.

SCIRA Directory Correction

In listing the National Secretaries in the SCIRA Directory, February issue of the BULLETIN, we listed Canada with the name and address of Cesar Gonzalez, secretary for Chile. You may have guessed that Cesar is the Chile's Secretary. The secretary for Canada continues to be Id Crook, 263 Sandwell Dr., Oakville, Ontario, Canada. Please correct your directories.

Junior World Championship Slated For Fall

Spain has organized the World Junior Championship this year in Menorca. It will be held September 8-14, 1980. More information can be obtained by writing to the Organizing Committee, Club Nautico de Cuidadela, Menorca, Spain.

Sail by the Rules

A small mnemonic trick for remembering right-of-way in tight situations:

S – STARBOARD boat has right of way over port tack boat.

- A AHEAD boat clear ahead has rights over overtaking boat astern.
- I INSIDE boat inside at mark has rights to room over outside boats.
- L LEEWARD boat to leeward has rights over boat to windward.

The above is general, but was recommended by Mike Crowley to the Juniors last year in the SCIRA sponsored tune-up session before last year's US Junior Nationals.

The USYRU now has available a "rules in brief" card, which is pocket sized, printed on plastic coated stock, with the basic rules on one side, and common signals on the other. The card, available from the USYRU for 1.00, $(.75 \notin \text{ for } 10$ or more, .60¢ for 50 or more) is not a substitute for a rule book, but is a good quick reference. Write USYRU, Box 209, Newport, RI 02840.

THE COVER

Jeff Lenhart and Mike Bartell, winners of the Gamblin, Bacardi, and Kelly Trophies in the Bahamas Winter Championship, prepare to round the mark in first place, ahead of Craig Martin in 23750, and Felix Gancedo in 19981. Craig won the Zimmerman Trophy for overall 1st place in the Snipe Winter Series. Photo by Wendell Cleare, Bahamas News Bureau.

THE SCORE

Thirty-five numbers were issued last month with 34 going to Argentina and 1 to the U.S. A new fleet, number 762, has been formed at the North Cape Yacht Club at Monroe, Michigan. If you are interested contact John Johns, 1220 W. Washington, Ann Arbor, MI 48103.

Fleet 17 at Narragansett Bay has been re-activated with Louis A. Burns as the fleet captain. His address is Winter Cottage, Brenton Road, Newport, RI 02840.

Numbered SNIPES – 24307 Chartered Fleets – 762

THERE IS A DIFFERENCE



At this year's SCIRA Midwinters nearly 40% of the sailors raced SHORE SAILS. Four of them combined finishes of 1,1,2,3,3,3,4 for third place overall and 3 of the top 8. At this past year's North American Championship, Shore Sails finished third and fourth and 4 of the top 8. There is a reason more and more Snipe sailors are switching to Shore. They enjoy the personal service and the excellent quality. They enjoy the easy handling characteristics of their sails . . . and the consistent boat speed. They enjoy the feeling that they have just that little bit extra. There is a difference.

Call or write Greg or Patti Fisher or look for us on the regatta circuit.



5

Craig Martin Tops Winter Circuit

Consistency pays as regatta wins split three ways

CHAPIN TRIUMPHS AT MIDWINTERS

Despite gasoline prices almost twice as high as last year's, the Snipes still showed up in force at this year's Snipe Midwinters. Sixty Snipes competed at Clearwater Yacht Club March 9 - 11, in the first of four regattas making up the Winter Circuit.

This regatta, sailed on the Gulf of Mexico, is renowned for heavy winds and big seas. This year's regatta started out with only enough wind for one race of the scheduled two races.

Day two brought better conditions and two races were completed with 15 knots and planing reaches. The last day, the breeze dropped again, but current world champion Dave Chapin, with crew Gary Knapp squeezed out a first in the opening race, which virtually wrapped up the regatta for them. They were the most consistent finishers, which enabled them to win the regatta despite a poor finish in the last race. Robin Gales finished second, with John Walton third.

> Mark Reynolds, Mission Bay Fleet

REYNOLDS LEADS DON Q FLEET

The second stop in the Snipe winter circuit is the Don Q held on Miami's Biscayne Bay. This year 64 boats competed in brisk north winds lasting all three days. The third race was held in winds of 20 to 25 knots which brought wild planing reaches and a few capsizes at the gybe mark. The racing was close even in these conditions.

Defending Circuit champion Mark Reynolds of San Diego, CA, won the March 14-16 series sponsored by Coconut Grove Sailing Club and Don Q. Reynolds, and his crew, Jeff Rubin, Miami, placed 4-3-1-14-2. Craig Martin, also of San





Above, 1 to r: Race Committee Chairman Jim Weber, winning crew Jeff Rubin, skipper Mark Reynolds and Commodore John A. Brennan of Coconut Grove SC, pose with the Don Q Rum Keg Perpetual trophy. Right: Regatta Chairman Bruce Cochran presents SCIRA Midwinter trophy to 1980 champion Dave Chapin. Photo by Buzz Levinson.

Diego, and his crew Mike McLaughlin, Privateer, TN, placed second, finishing 3-5-5-6-1. In third place was Felix Gancedo and his crew Carlos Llamas, Malaga, Spain. They finished 10-1-6-4-3.

> Otis Wragg Mark Reynolds

LENHART TAKES BACARDI, GAMBLIN

The Royal Nassau Sailing Club was host



to the annual Bacardi Cup and SCIRA Winter Championship held March 19th -22nd in Montagu Bay, Nassau, Bahamas. Of the 26 entries, 20 were from the U.S.A., one each from Spain and Puerto Rico, and 4 from Nassau. Four Snipes were transported across the Gulf on

MIDWINTER REGATTA (Top 20 of 60 entries)

Springfield, IL

Home

Boat	Skipper
24094	Dave Chapin
23060	Robin Gales
23423	John Walton
23750	Craig Martin
20560	Jeff Lenhart
19981	Felix Gancedo
23619	Greg Fisher
24069	Bill Buckles
22292	Pete Melvin
19091	Pete Duvoisin
6995	Francis Seavy
19888	Rick Merriman
24110	Robert Gorman
22285	Harry A. Levinson
17514	Mark Converse
24042	Bruce Colyer
21021	Matt Gregory
23279	John Johns
23623	Bruce Cochran
23182	Bob Blomquist

La Jolla, CA
Detroit, MI
San Diego, CA
San Diego, CA
Malaga, Spain
Columbus, OH
Cleveland, OH
Miami, FL
Chattanooga, TN
Clearwater, FL
St. Petersburg, FL
Chelmsford, MA
Indianapolis, IN
Rochester, NY
Ft. Lauderdale, FI
Chattanooga, TN
BBC
Clearwater, FL
Towson, MD

Places	Points	Finish
5-2-4-1-22	49	1
8-6-3-11-14	68.4	2
3-24-19-3-2	69.4	3
9-4-2-20-16	74	4
4-1-10-25-19	80	
19-5-5-29-1	80	6
17-19-15-4-3	82.7	7
32-10-1-10-21	97	8
11-37-6-14-4	99.7	9
24-15-13-15-9	106	10
13-25-25-5-10	107	11
21-3-14-42-6	112.4	12
15-20-12-23-15	115	13
12-17-18-28-11	116	14
7-9-21-33-20	120	15
31-8-8-19-26	122	16
18-16-23-18-18		17
1-36-9-22-33	124	18
28-7-27-9-23	124	19
14-30-28-8-17	127	20

"Bruce's Boat" while the remaining 18 were shipped from Miami on the M.V. "Betty K."

Californians Jeff Lenhart and crew Mike Bartell won the Bacardi Cup, with 2 seconds and a fourth. They inched out Craig Martin and crew David Himmel who took second place with a second and 2 thirds. Third was former World Champion Felix Gancedo and crew Carlos Llamas with 2 firsts and a disappointing twelfth.

The traditional Bacardi Daiquiri Party was held at the Club on Wednesday evening following the first two Bacardi Cup Races and was much enjoyed by everyone.

This year the March winds did not reach their expected strength, and no doubt the heavy wind sailors were a little disappointed. The first 4 races were sailed in Easterly breezes of 10-12 knots and the final two days saw the wind just getting to 15-18 knots, causing one capsize. Shifting winds caught some sailors

24069

19059

Bill Buckles/Charles Hurlbot

Jerry Thompson/Tom Thompson

zigging when they should have been zagging or vice versa!

The top 2 positions in the Gamblin Series remained the same as in the Bacardi Cup with the winner, Jeff, streaking to 3 first-place finishes. Californians Robin Gales and crew Randy Gallman were third.

The Charles Kelly Memorial Trophy, awarded for the third time, was won by Jeff Lenhart, the skipper with the best total score for all the races in the two Nassau Regattas. The Carl Zimmerman Trophy was won by Craig Martin, the overall winner of the Winter Racing Circuit.

The Trophy Presentation took place at the Club on Saturday night where there was dinner and dancing and lots of fun and good fellowship. Sunday was spent relaxing on the beach at Green Cay, near Rose Island.

Godfrey Kelly

DON Q RUM REGATTA (Top 20 of 60 entries)

Boat	Skipper/Crew	Home	Places	Points	Finish
22815	Mark Reynolds/Jeff Rubin	San Diego YC	3-4-1-14-2	36.7	1
23750	Craig Martin/Mike McLaughlin	Mission Bay YC	3-5-5-6-1	37.4	2
19981	Felix Gancedo/Carlos Llamas	Real Club Mar. Ma		41.4	3
23060	Robin Gales/Randy Gallman	Mission Bay YC	2-21-10-1-8	60	4
20560	Jeff Lenhart/Mike Bartell	Mission Bay YC	1-2-9-25-6	60.7	5
23711	Gonzalo Diaz Jr./Ron Russell	Coconut Grove SC	7-14-2-15-5	67	6
23713	Gonzalo Diaz Sr./David Himmel	Coconut Grove SC	16-8-8-3-12	73.7	7
20707	Terry Timm/Eric Sheeder	Barton BC Detriot	9-13-7-7-9	75	8
23963	Tom Nute/Pat Muglia	Mission Bay YC	13-6-12-2-20	77.7	9
23619	Greg V. Fisher/Dan Neri	Hoover YC	18-7-3-16-19	89.7	10
24142	Steve Suddath/Connie Suddath	Rudder Club Jax	6-15-21-11-10	92.7	11
19091	Pete Duvoisin/Jane Duvoisin	Privateer YC	15-17-15-5-16	97	12
24110	Rob Gorman/Wayne Hutley	LQYC	8-22-23-8-7	98	13
24042	Bruce Colyer/Anne Duvoisin	Coral Reef YC	21-9-14-13-11	98	14
23188	Ethan Bixby/Trudy Albinger		14-16-20-17-13	110	15
23712	Augie Diaz/Baird Lobree	Coconut Grove SC	11-11-4-dsg-17	116	16
23624	Sam Mollet III/Brian Mollet	PLYC Ohio	20-12-11-30-22	125	17
24069	Bill Buckles/Patti Fisher	Cleveland YC	44-24-13-18-4	131	18
19389	Bob Russell/Josh Rubin	Coconut Grove SC			19
23423	John Walton/Pam Polhemus	CSYC	43-38-16-12-15	154	20
		core	45-56-10-12-15	154	20
	BAC	ARDI CUP			
	(Top 12)	of 26 entries)			
Boat	Skipper/Crew	Home Pl	aces	Points	Finish
20560	Jeff Lenhart/Mike Bartell	Mission Bay 2-	4-2	14	I
23750	Craig Martin/David Himmel		2-3	14.4	
19981	Felix Gancedo/Carlos Llamas		-1-1	18	2 3 4 5
24042	Bruce Colyer/Ann Duvoisin	Ft. Lauderdale 1-		24	4
23713	Gonzalo Diaz/Carlos Bustamante		-7-4	38	5
23711	Gonzalo Diaz Jr/Ron Russell	Miami 8-	10-5	40	6
23060	Robin Gales/Randy Gallman	Mission Bay 9-	8-10	45	ž
19059	Jerry Thompson/Tom Thompson		9-14	48	8
23662	Pete Fenner/Susan Fenner		3-dq	48.7	9
23963	Tom Nute/Pat Muglia		14-16	50	10
21021	Matt Gregory/Karen Gregory		-11-6	50.7	11
23624	Sam Mollet/Eric Sheeder		-16-11	51.7	12
		P		5.5.5 A	
		IN SERIES of 26 entries)			
Boat	Skipper/Crew	Home	Places	Points	Finish
20560	Jeff Lenhart/Mike Bartell	Mission Bay	1-1-1-2-5	13	1
23750	Craig Martin/David Himmel	Mission Bay	5-2-3-4-1	26.7	
23060	Robin Gales/Randy Gallman	Mission Bay	10-9-2-8-2	51	3
19981	Felix Gancedo/Carlos Llamas	Spain	2-4-7-1-dq	54	4
20306	Pierre Siegenthaler/D. Martinborough	Nassan	6-6-5-6-7	58.1	
23713	Gonzalo Diaz/Carlos Bustamante	Miami	11-8-10-3-4	60.7	
23662	Pete Fenner/Susan Fenner	Dallas	3-11-12-11-9	72.7	
23624	Sam Mollet/Eric Sheeder	Portage Lakes	12-5-13-5-10	73	8
21021	Matt Gregory/Karen Gregory	Privateer	8-15-11-13-3	76.7	
19091	Pete Duvoisin/Jane Duvoisin	Privateer	7-10-4-15-15	79	10

Cleveland

Lake Angelus

16-7-8-7-12

14-13-9-12-8

80 11

86

12



and wives, this excellent manual (6" x 9") is a glossary of nautical terms with a sketch applicable to Snipe; knots with illustrations; handling the boat; tacking; running; reaching; jibing; heave-to; capsize; all simplified rules; thumb nail tactics; check list; important Snipe measurements. A most valuable handbook – still not complicated. \$1.00 per copy – \$8.00 for 10. From SCIRA only.



July 18 is registration deadline

U.S. Nationals Slated For Carlyle Lake

The 1980 U.S. Nationals will be at Carlyle Lake, Illinois, with Snipe Fleet 705 and Carlyle Sailing Association, as co-hosts.

FACILITIES: The CSA site was put together with the "one design" sailor in mind. There are four 200 foot long floating docks inside a sheltered harbor. The docks are served by three jib cranes. Launch and recovery are fast and easy if you have a lifting bridle for your boat. There is also a paved ramp with its own dock. The three-acre boat parking lot is paved, as is the automobile parking lot. For people comfort there is the Observation Building, rest rooms with showers, and a very large pavilion, which can shield about 300 people.

The town of Carlyle, population 3300, nine miles from CSA, is a typical midwestern farm community. The townspeople are warm and friendly. Carlyle has churches, stores, gas stations, restaurants, taverns, a laundromat and three motels. With the exception of sailing equipment, most of your routine needs can be filled in town; usually with a smile.

DIRECTIONS: To find Carlyle Sailing Association look for the entrance to "Eldon Hazlett State Park". Consult our map to the park entrance, then follow the Snipe signs to CSA's harbor.

LODGING: CARLYLE – 9 Miles: Carlyle Motel, 618-594-2444; Hi-De-Ho Motel, 618-594-2474; Sunset Motel, 618-594-2456.

GREENVILLE – 19 Miles: Bel-Air Motel, 618-664-1950.

SALEM – 32 Miles: Holiday Inn, 618-548-4212. Please make your own reservations.



CAMPING: Hazlett State Park has an excellent roomy camp ground adjacent to CSA. Camping pads with electricity are available for \$5.00 per night. Showers and water are within easy walking distance. Most of the locals will be renting "motor homes". We'll park in the camp ground and walk or bicycle to C.S.A.

FOOD: There is NO restaurant facility at C.S.A. Box lunches will be available from Saturday, August 2, thru Friday, August 8th. We have planned a steak roast for the 3rd, a fish fry on the 6th, and the Awards Dinner for the 8th. Please make your own arrangements for all other meals.

REGISTRATION: Please, please, spare

yourself the expense of a long drive for nothing. Your registration must be sent to the SCIRA office before the deadline or you will not be allowed to sail. This goes for Junior sailors too. The form is in this BULLETIN. Fill it out, check it for accuracy, mail it as soon as possible.

MEASUREMENT: Measurement cutoff will be 6:00 p.m. Sunday, August 3rd. Juniors must have their boats measured before sailing Saturday.

C.S.A. RULES: The primary rule is that visitors be treated with the utmost hospitality. In return we ask that you abide by our club rules. Pets are prohibited on CSA grounds. This rule is rigidly enforced. We require that all boats be taken out of the water at the end of a sailing day.

Those of you who double deck: It's a very long way from the hoists to the nearest grass. Do bring some sort of wheeled carrier for your boat. You'll save yourself and your friends a lot of strenuous exercise. You can, if you like, use our so-called beach. It resembles day-old gravy with lumps; a mixture of clay, sand, and hidden rocks. It clings to your hull, feet, and just about anything else, like creamy peanut butter. Kids love it; sailors hate it. Wheels are a better way to go.

Please pardon my bragging, but CSA has been accused of having paid professionals running our regattas. If a professional is one who works for box lunches, dinners, and tee shirts, and takes considerable pride and satisfaction in running a good race program, then we do have professional race management. A lot of people are working hard to make this U.S. Nationals the best ever. We are looking forward to seeing you at Carlyle in August.

> Ray Szczepanski, Regatta Chairman

Right: Docks and jib crane at Carlyle Sailing Association.







1980 U.S. NATIONAL CHAMPIONSHIPS Carlyle Sailing Association, Carlyle Lake, Illinois August 1-8, 1980

Schedule outline:

August 1 2 & 3 3 Junior Measuring Jr. Nationals & Sr. Measuring Practice Race

Regatta Chairman: Ray Szczepanski (314) 524-1069 7781 Woodale Lane Normandy, Mo.

Measurement closes 6:00 p.m. C.D.T. August 3, 1980

4 & 5 6, 7 & 8 Crosby Series Wells & Heinzerling Series

REGISTRATION FORM 1980 U.S. NATIONAL CHAMPIONSHIP

Must be received by July 18, 1980								
U.S. JUNIOR CHAMPIONSHIP. No entry fee. Birth date: SkipperCrew_Crew								
U.S. NATIONAL CHAMPIONSHIP. \$35 entry fee. Send Registration and Fee to SCIRA, Privateer Road, Hixson, Tennessee 37343. MUST BE RECEIVED BY JULY 18, 1980.								
Please print:								
SkipperCrew								
Address								
Yacht Club Fleet Number								
Sail NumberYou must sail with your own sail number. If you will sail a chartered or borrowed poat, give the following information:								
Owner Boat Number								
The boat I will sail has a: 🛛 Class Certificate 🖾 Green Card 🔹 🗆 Fleet Certificate 🗖 Moment of Inertia Measurement								
The Builder of the boat is Color Deck Year Built Color Hull Color Deck								
IF HULL MEASUREMENTS ARE NEEDED, PLAN TO ARRIVE BY FRIDAY, AUGUST 1.								
hereby agree to abide by all Snipe Class and USYRU rules, and release Carlyle Sailing Association. Its officers, members, employees and members of the Race Committee from all liability by reason of injury whether to the yacht entered above or to myself, my crew, or my guests.								
Signature of Skipper Date								
certify that this entrant is a member in good standing with SCIRA, and that he has sailed in at least 5 point score races or 5 sanctioned regatta races this year and that he comes within the limit of one skipper for each 5 active Snipes or major fraction thereof in the fleet.								
Signature of Fleet Captain Date								
Your estimated time of arrival at C.S.A.								
Day Date Approx. Time A.M. 💭 P.M.								
We need an estimate so as to have enough for everyone. Sunday, Aug. 3rd, we'll have a steak roast (10 oz. prime with trimmings) about \$6.50 per person.								

Number of dinners for your group. Thank you.



BRYANT SPARS

222 Central Avenue Buffalo, New York 14206 (716) 893-1100

Look for this in your new spar

"THE DIFFERENCE"

Dear Snipe Sailors,

During the past five years Bryant Spars has taken on many large challenges. We've entered two large one-design classes with our spar with a limited amount of research. In those two classes we achieved the status of a high-quality spar builder that is depended on.

In the fall of 1978 we decided to take on our largest challenge and start a Snipe spar from scratch. We looked at many Snipe spars on the market. With all the information we accumulated, the Bryant Spars staff discussed what to do. The results of those conversations is the CAB No. 1. This spar is a combination with a section of 2.49" x 1.94", a constant wall thickness of 0.96 with a side to side taper of 81" from the top.

We gathered together an assortment of mainsails and looked at how they fit our spar. What a surprise we had, that little or no adjustments had to be made to the sail. To you that means your sail should easily adapt to the CAB No. 1. The Bryant Spars staff has available upon request deflections of the CAB No. 1 compared to two spars currently on the market. We've also taken the courtesy of having these deflections available to a variety of Snipe sailmakers for your convenience.

If you have any questions, please call or write Mark Bryant or Andy Fox for more information about the CAB No. 1.

LOOK IN THE BULLETIN FOR MORE INFORMATION TO COME "THINK SPEED"

Sincerely yours,

Mark Berned

Mark Bryant

Kinetics

(Continued from page 3)

by shifting the crew weight so as to snake the boat in the following manner: the boat is heeled to leeward, which steers the boat to windward. Then the boat is heeled to weather, which makes the boat lay off. This, coupled with proper wave action and no rudder action, is quite effective.

It is a revelation watching the modern sailor simultaneously sculling, rocking, pumping, unweighting his boat, upwind and downwind. To the uneducated, they would immediately suggest that the sailor be committed to an institute for nervous disorders.

The Union is now at a crossroads with regard to this issue, and they have two choices: 1) to agree that sailing has changed, and body energy is part of the game. The rule on propulsion should therefore be changed to allow everything but oars and motors. 2) To immediately stop these actions and reinforce the intent that propelling a sailboat can only be accomplished by wind upon sails. This means that the following type rules should be instituted:

a) Rudders must be fixed in the vertical plane with a minimum angle of tilt.
b) Roll tacking is illegal. The mast must not change attitude more than what would be normal when sailing.
c) There must be at least four purchases in the mainsheet and controlled by the tail except when jibing.
d) Any form of rocking is illegal, and sailors must do everything possible to dampen rolling action.

e) Pumping is illegal at all times except in the case of that which is done through the mainsheet to promote planing.

Once the terms of reference are defined, the Union should appoint a special jury of 20 active and current sailors who would, for a period of two years, police the sport at major championships with the expressed intention of setting a standard for fair sailing.

An Interview With Paul Henderson

YR/C: You're suggesting some rather radical changes in IYRU policy through what has come to be referred to as "The Henderson Papers." Some of the trends you're protesting have been practically commonplace for a number of years. Why have you waited this long to submit your proposals?

HENDERSON: Well, actually, the ideas have been brewing in my mind for some time now. But only recently have I really come face-to-face with the problem — on the race course. What immediately comes to mind is when I went to the Ontario Sailing Center this past summer to give a lecture. Understand, the Center is on the edge of a little lake where waves in a hurricane probably wouldn't get much over six inches. I had a chance to sail against some of the instructors and program participants in Lasers. In one race, I started right at the windward end, and I had this younger sailor tucked away - he was about a boat length behind and half a length to leeward. I mean, I really had him hammered. Anyway, the wind's blowing 10 to 12 at that point, and everything's looking good for me. All of a sudden. I see this guy start to bang and shove - you know, the whole body energy deal. Before I know it, he's sailed right through me - to leeward! I know that without that extra movement, there's just no way he could have broken through like that.

After that incident, I decided to do a little more active research. I've got a small outboard powerboat, one that allows me to get in close enough to racers without getting in the way. I took it to CORK and paid a visit to the 420, 470 and FD courses.

On the 420 course, where the wind was blowing about five, I saw a 420 skipper on an offwind leg sitting to leeward, pumping the main by actually moving the boom in and out with his hand. And all the time, his crew is sitting to windward, bouncing up and down, pumping the spinnaker and basically propelling the boat with his weight. I watched this team approach the windward mark, about two boat lengths behind another 420 in the same, light wind. So the guys behind threw in four quick roll tacks and just edged out the other boat at the mark.

YR/C: How about the other classes? Did the same thing happen there?

HENDERSON: The 470s proved to be a real shocker. Everyone gets in position at the line, then, just before the gun goes off, they let their rudders float up. At the gun, they start sculling like mad — directly upwind! In the one race I watched, the fleet was sculling so hard that seven guys broke their rudders at the start and had to drop out. These same sorts of things — rocking, pumping, roll tacking and sculling were all common on the FD course as well.

YR/C: Did you attempt to do anything at the time you saw these things going on? Did you say anything to these competitors?

HENDERSON: Yeah. When I saw the guys rocking and pumping their 420 offwind, I yelled at them. And they stopped, which indicates to me that maybe they think that sort of thing is wrong, too. After the race, I talked to them about roll tacking their way ahead of the other boat at the weather mark. I asked the skipper why he did that, and he said that he couldn't get around the mark ahead of the other boat any other way. He said, "It's a tactical maneuver."

I also talked with some of the upwind rockers and pumpers. I said, "Look, you're pumping upwind. That's illegal." But one person replied, "No, I'm not pumping; I'm just quickly trimming." As for the rocking, the same person justified his actions by saying that the rocking was due to the change in apparent wind caused by going over a wave. But when I think back to the conditions in that race, I get more waves in my bathtub.

YR/C: So what you're saying is that these "illegal" movements are common in practically all classes, and that most of the sailors who utilize movement think they have a reasonable justification for it?

HENDERSON: That's basically it. My point is that there has not been an active sailor who has legally sailed a race in the past couple of years. And it's at all levels. We had an Optimist Pram North American Championship in Toronto a while back, and I see this 11year-old kid walking down the dock with two rudders. I said to myself, "My God, things have become sophisticated around here." So I said to the kid, "Why do you have two rudders?" And he replies, "One's for light air and one's for heavy air." Then I asked, "What's the difference between the two?" And he answered, in the truth of youth, "The light-air rudder's designed so that I can scull better."

(Continued on page 12)

Kinetics

(Continued from page 11)

YR/C: And by your proposal you intend to see that all of this is outlawed?

HENDERSON: Not necessarily. We've got to do one of two things, as I wrote in my proposal. We've got to either let it all go, or we can't allow any of it. As it is right now, we've got some sailors who are sailing by the rules and not doing any of this body movement stuff, and they're being taken advantage of by guys who'll do practically anything -all of it illegal. They sail by the "anything goes to win" rule, and if they get caught, they can usually come up with a defense to baffle the race committee, as many of the sailors I talked to did. But the problem is that this sort of attitude is starting to become more widespread - it even permeates the building of boats.

YR/C: But isn't there a problem enforcing such rules, especially in large fleets?

HENDERSON: We're the only sport that doesn't have referees. If that's what it would take to reverse this trend, then that's what we have to go to. They'd go out on the course, close to the competitors, they'd be paid and they'd blow their whistles when they had to.

YR/C: Some of the young dinghy sailors have said that an "older" keelboat sailor couldn't possibly understand the "aesthetic" relationship between body movements and modern dinghy racing.

HENDERSON: I think that originally the younger sailors, particularly, said, "Oh, he's out of touch, etc., etc." But as they got to know more about me, I've sensed a bit of a change. Now they say "Look, he's very abrasive, and he's very outspoken, but he really does know what he's talking about, and you should talk to him." As far as the relationship between movement and racing goes, none of this is really very new. Marchaj listed them all in his book [Sailing Theory and Practice] over 20 years ago, and I learned a lot of them in junior sailing when I was about nine years old.

YR/C: What about some of the arguments sailors use to justify kinetics?

HENDERSON: I've had a lot of good discussions with a lot of these guys, and I've given solid consideration to what they've said. But there seems to be a lot of changes in their stories, and I get the definite feeling that, as I initially suspected, they're simply trying to justify something they know will make them fast, even though the rules specifically outlaw it. For instance, some of the justifications for pumping were interesting. I spoke to one of the leading "pumpers" early on, and he said that he was allowed to pump once on every wave pattern to promote planing. And I said, "even upwind?" "Oh yes," he said, "I'm allowed to do that. We plane upwind, you know." But I think I caught him there. "Read the rules," I said. "The rules say you can pump to take advantage of the energy of the wave. And there's no way you can take advantage of the energy of a wave by pumping when sailing upwind." So later on I talked with the same guy. He had changed his thoughts a bit. "What's happening," he said, "is that the wind direction is changing, and I'm really just sheeting quickly for the wind." It's kind of like them saying, "okay, pumping upwind won't work to take advantage of the wave energy, so we've got to think of something new." The answer, of course, was the apparent wind change. And I still don't buy that. In a six-inch chop, how much is the apparent wind changing one foot off the water? It's not changing at all. And the speed of your boat isn't changing, so your apparent wind isn't changing.

YR/C: Some of these same sailors are also asking why kinetics should be banned when the sailors are in favor of it.

HENDERSON: Actually, not all sailors, not even all top sailors, are in favor of kinetics. One top singlehanded sailor told me he hadn't sailed for a year because he didn't have the time to prepare. He said that to win he would have to practice every day for six weeks to get his body in tune with the boat. Another time, a Windsurfer World Champion asked if there wasn't something that could be done about kinetics. He said that he had a job and could only sail on weekends, and to be at all competitive, with all the body energy being used, he would have to give up everything just to get ready to compete.

YR/C: Is it really possible to outlaw all movement?

HENDERSON: I agree that saying you're going to outlaw movement is extreme. Maybe the problem lies in definitions. It's not so much the individual movement that bothers me hiking out hard for a gust, moving aft for waves. What does bother me is the blatant repetitiveness. It's simple harmonic motions - you know, like when you are pushing a kid on a swing. If you hit the swing at the right time, each time, the energy built up in that kid's swing will be incredible. So any motion in a boat that's repetitive and harmonic has got to go, whether it's unweighting or something else. Unweighting, for instance, is not truly unweighting; it's an absolutely straight harmonic motion. The same with pumping. That has nothing to do with the apparent wind or the waves; it's just harmonic — building on energy. And rocking doesn't even work right unless you do it in an absolutely harmonic, repetitive situation. If you rock out of harmony with the wind or the waves, you'll do more harm than good.

YR/C: Do you think that some of the current definitions and interpretations of the rules might be at fault?

HENDERSON: In a lot of cases, the rule is so wide you can't enforce it. Nobody wants to enforce it. Who wants to sit around in a protest room for three hours? What it all boils down to is that the IYRU has to specifically state that this is legal or illegal. If the decision is to make it legal, then fine. Let everyone know, and let the races go on, whether there is wind or not. If the IYRU decides it's illegal, then they simply have to do everything within their power to eliminate it. But either way, something's got to be done.

YR/C: Well, where do we go from here?

HENDERSON: I think that what's happened is that the gauntlets have been thrown down. Basically, since they passed my proposal through the Class Policy Committee, everything is illegal right now — pumping, ooching, rocking, torquing, roll tacking, the works. Now they've referred it back to a technical committee, and who knows what will happen. I think we may come to the conclusion that there's 10 methods of propelling your boat by kinetic energy and then define, say, six methods as illegal and the other four as legal. Personally, I think it would be sad

to stop athletic energy from being put into a boat on one of those absolutely beautiful downwind planing days. I love to get out there and kick and shove and fly down the waves just as much as anybody. What I'm absolutely against is the attitude of "Aw, the hell with it, let's let everything go." In the end, everyone wants the same thing to clearly understand the rules so that they know exactly what they can and can't do on the race course.

Henderson's proposal will be studied by a three-man committee consisting of Canadian Lynn Waters, Chairman of the Racing Rules Committee; Mike Jackson, from England, who is Chairman of the Centerboard Committee; and U.S. representative Andy Kostanecki, who is Vice Chairman of the Centerboard Committee and Chairman of the Boardsailing Committee. These three will present their recommendations to their respective committees, along with presenting it to the Technical Committee and the Class Policy Committee. After receiving feedback from those committees, the proposal will ultimately be presented to the 21-member Permanent Committee at the 1980 IYRU Fall Meeting, and it's fate will be decided.

Kinetics Questionnaire

(Answer sheet on next page \rightarrow) 1. What type of boat do you race most?

a) high performance, lightweight, planing dinghy

- b) 2-man centerboarder
- c) 3-man centerboarder
- d) keelboat
- e) singlehander
- f) multihull
- 2. What is your level of racing ability? a) local b) regional c) national d) international
- 3. Age: a) 19 and under b) 20-29 c) 30-39 d) 40-49 e) 50 and over
- 4. Is your boat easily propelled by pumping, ooching or rocking? a) Yes b) No
- 5. Can it be roll tacked? a) Yes b) No
- 6. How much do you utilize the different kinetic techniques when racing? a) never
 - b) only in surfing or planing conditions
 - c) only when other competitors are doing it
 - d) most of the time
 - e) always
- 7. How much do your competitors utilize these techniques? a) never b) sometimes c) most of the time d) always
- 8. Have you ever been protested for using any of these techniques? a) Yes b) No
- 9. If so, was such a protest ever upheld? a) Yes b) No
- 10. Do you regard any of these techniques as illegal? a) Yes b) No
- 11. Have you ever protested another competitor for using any of these techniques? a) Yes b) No
- 12. If so, was such a protest ever upheld? a) Yes b) No

(Continued on page 14)



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B20634	LaChapelle G./LaChapelle J.	Anvers	2-1-2-3-AB	11.7 2
F22446	Beaudouin M./Hauzeur M.	Lorient	6-10-1-2-2	17.7 3
F22443	Celerier M./Celerier M.	Beaulieu	4-4-8-7-1	29 4
322380	Meyvis L./Snyers W.	Anvers	3-3-6-8-7	36.1 5
(20247	George L./Harvey K.	Blue Circle	7-5-5-4-6	
320872	Janssen F./Desmul P.	Hofstade	5-8-3-8-7	41 6 43.7 7
23570	LeBour Y./LeBour A.	Audierne	9-14-9-3-8	47.4 8
23283	Gautier R./Gautier A.	Creteil	12-6-7-9-9	47.7 9
20933	Romain P./Romain A.	Le Havre	10-7-14-15-11	57 10
20641	Parkinson T./Powell T.	Blue Circle	8-13-11-11-10	64 11
22878	Falise E./Litkey J.	Hofstade	11-9-15-18-8	67 12
22382	LeBour R./Lucas F.	Audierne	13-11-10-17-17	75 13
21049	Lachuer Y./Roffi L.	Creteil	NP-15-13-15-11	78 14
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Kinetics

(Continued from page 13)

- 13. Which of the following courses of action do you think should be taken?
 - a) Henderson proposal all kinetics should be banned.
 - b) Rule 60.3 (the Black Flag Rule) all kinetics should be banned except when the race committee deems the conditions suitable for surfing and planing.
 - c) The rules should stand as is, with referees enforcing them on the race course.
 - d) The rules should stand as is, with the competitors continuing to enforce them.
 - e) Any and all kinetics should be allowed at all times on the race course.

FEEDBACK Please fill out this sheet and return it to YACHT RACING/CRUISING, 23 Leroy

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READER

(Circle corresponding response from questionnaire)

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JUNE 6 - 8, NORTHEASTERN / COLONIAL CUP, Annapolis Fleet 532, Ivan (Ike) Lawton, 2347 Maytime Dr, Gambrills, MD 21054.

JUNE 7-8, RIFF-RAFF, Cowan Lake Fleet 433, John Danks, 1024 Ligorio Ave, Cincinnati, OH 45218.

JUNE 7-8, HEART OF AMERICA REGATTA, Lake Quivira Fleet 121, Jack G. Botteron, 140 Terrace Trail East, Lake Quivira, KS 66106.

JUNE 7-8, BROADSTAIRS, Broadstairs S.C., Kent, England.

JUNE 7-8, STAVSNAS CUP, Stockholm, Sweden.

JUNE 14-15, DISTRICT VII CHAMPIONSHIP, at Clear Lake, San Francisco Fleet 12 and Lake Merced Fleet 157, Larry Murphy, 129 Escolta Way, San Francisco CA 94116.

JUNE 14-15, DISTRICT II CHAMPIONSHIP, Lake Lotawana Fleet 49, Doug Goppert, 705 North 19th, Blue Springs, MO 64015,

JUNE 14-15, DISTRICT IV CHAMPIONSHIP, Privateer Fleet 142, Dean Hearn, 4712 Privateer Rd, Hixson, TN 37343.

JUNE 14-15, GOVERNOR'S CUP, Island Bay Fleet 91, Lou Dixon, 12 Bay Ridge, Springfield IL 62707.

JUNE 14-15, BLUE-GRAY REGATTA, Pine Beach Fleet 256, Charlie Eshleman, 514 Rively Ave, Glenolden, PA 19036.

JUNE 21-22, NEW YORK STATE OPEN, Chautauqua Fleet 124, Les Larson, 10 Winding Way, Lakewood NY 14750.

JUNE 21-22, WOLVERINE REGATTA, Barton B.C. Fleet 520, John Johns, 1220 W Washington, Ann Arbor, MI 48103.

JUNE 21-22, HANSA CUP, Bergen YC, Bergen, Norway.

JUNE 28-29, SILVER SNIPE, Motala, Sweden.

JUNE 28-29, BRIODY (LAKE ONTARIO OPEN), Cuba Lake Fleet 442, Leo Murphy, 107 Clinton St, Olean, NY 14760.

JUNE 28-29, MICHIGAN STATE OPEN, Grand Rapids Fleet 137, H. Skip Baxter, 111-G Waters Bldg., Grand Rapids, MI 49503.

JULY 4-6, MISSOURI VALLEY CHAMPION-SHIP, Iowa-Nebraska Fleet 309, Glenn Ruff, 7405 Rogers Rd, Omaha NE 68124.

JULY 11-13, SENIOR DISTRICT III CHAM-PIONSHIPS, Green Lake Fleet 129, Andy Zeratsky, Lac Verde Court, Green Lake WI 54941.

JULY 11-13, DISTRICT V JUNIOR and SENIOR CHAMPIONSHIPS, Newport Fleet 103, Charles W. Webster, 10 Whippletree Rd, Fairport NY 14450.

JULY 12-13, WINCHESTER INVITATIONAL, Winchester Fleet 77, David Lence, 3 Terni Rd, Peabody, MA 01960.

JULY 19-20, NEW ENGLAND CHAMPION-SHIP, Spofford Lake Fleet 751, Glenn Younie, 16 Edwards St, Keene NH 03431.

JULY 19-20, JUNIOR DISTRICT III CHAM-PIONSHIP, Diamond Lake Fleet 158, Frank Pontious, 1407 Pontiac Rd SE, Grand Rapids, MI 49506. JULY 24-26, SWEDISH CHAMPIONSHIP (open to foreign crews), Gotenburg, Sweden.

JULY 26-27, PACIFIC COAST CHAMPION-SHIP, San Francisco Bay Fleet 12, Spencer Allen, P.O. Box 5827, San Francisco CA 94101.

JULY 26-27, ROCKY MOUNTAIN SNIPE CHAMPIONSHIP, Rocky Mountain Fleet 210, Bill Eichelberger, 570 Franklin, Denver, CO 80209.

JULY 26-27, NORTH CAPE OPEN, (At North Cape YC, Monroe, MI). Barton BC Fleet 520, John Johns, 2457 S. Industrial Hwy, Ann Arbor MI 48104.

AUGUST 1-3, OAKVILLE/BERMUDA TEAM RACE, Oakville Fleet 321, Chris Hains, 231 Westdale Rd, Oakville, Ontario, Canada.

AUGUST 2-3, U.S. JUNIOR NATIONAL CHAMPIONSHIP, Carlyle Lake Fleet 705, Ray Szczepanski, 7781 Wooddale, St. Louis, MO 63121.

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AUGUST 16-17, ONTARIO OPEN SNIPE CHAMPIONSHIP, Oakville Fleet 321, Chris Hains, 231 Westdale Rd., Oakville, Ontario, Canada.

AUGUST 16-23, EUROPEAN CHAMPION-SHIP, Espergaerde Fleet 585, Espergaerde Sejlklub, Strandvejen 167, Postbox 59, 3060 Espergaerde, Denmark.

AUGUST 18-22, CANADIAN NATIONAL CHAMPIONSHIP, Cakville Fleet 321, Chris Hains, 231 Westdale Rd, Oakville, Ontario, Canada.

AUGUST 23-24, SUNFLOWER REGATTA, Shawnee Fleet 597, Robert James, 1101 W 15th, Topeka KS 66604.

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SEPTEMBER 8-14, JUNIOR WORLD CHAM-PIONSHIP, Spanish Snipe Fleets, Organizing Committee, Club Nautico de Cuidadela, Menorca, Spain.

SEPTEMBER 13-14, MASS BAY OPEN/CALL OF FALL, Mass Bay Fleet 244, Sue Tabor, 92 Johnson Ave, Winthrop MA 02152.

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OCTOBER 4-5, LAKE MOHAWK/CALL OF FALL, Lake Mohawk Fleet 10, Harvey Freeman, 675 West Shore Trail, Sparta NJ 07871.

OCTOBER 4-5, OHIO OPEN/OXFORD INCI-DENT-ACCIDENT, Acton Fleet 515, Tran Alfrey, 2258 Shenandoah Dr, Fairfield OH 45014.

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