# **STARDUST**

Volume 2, No. 5 May, 2001

Star Class Newsletter for the 1<sup>st</sup>, 2<sup>nd</sup> and 12<sup>th</sup> Districts

### VINCE BRUN & RICK PETERS WIN SPRING'S

(See pages 4-5 for story and results)

#### MAY REGATTA SCHEDULE

1st District

\*May 13 Captain Morgan (HB) May 20 Skipper's Choice (BH)

2<sup>nd</sup> District

May 5-6 West River Spring-WRSC May 19-20 HDGYC One Design

12<sup>th</sup> District

May 19-20 Ice Breaker (Sun)

### MYLAR STAR SAILS

From Steve Haarstick, Haarstick Sailmakers, Inc.

Having read some of the comments regarding the potential cost and durability of Mylar laminate Star sails, I am in doubt as to the objectivity of the authors. As very few subjects are 100% black or white, this topic should carefully consider the available data, and conduct controlled on-the-water experiments, before any final decision is made.

### Issue 1: Cost

The relative pricing of Star sails made from Mylar laminates versus Dacron sails in part depends on the cost of the cloth used. This cost is equal to the manufacturers' price/yard of the cloth used and the required yardage to cut the sail. However, comparisons between the cost of Dacron fabrics used in current Star sails versus the cost of laminate fabrics is not simply a matter of comparing their relative cost per yard.

The types of Dacron cloth used in Star sails are manufactured in 36" widths, while Laminates come in 54" widths. Moreover, most Dacron fabrics over 3.8 oz are stronger in the "fill" (cross panel direction) than in the "warp" (parallel to the cloth edge). As a result. most current Star sails are made with a combination of radial panels in the head and foot areas only. The body of the sails are laid out as cross cut panels, that is, the cloth is rolled from leech to luff, with the fill threads approximately aligned with the leech of the sail.

The strength advantages of warp versus fill layouts are not as pronounced in Dacron fabrics as they are in laminates. Aside for the differences in panel widths (cutting 36' panels from 54" cloth is not cost effective), it would not be advisable to use the current Dacron panel layouts to build Mylar laminate Star sails.

Because of this basic difference between Dacron and Mylar, the current "cross cut" designs in the body of the Star main would have to be redesigned to use a vertical panel layout if the strength properties of Mylar laminates are to be properly aligned with the major loads in the sail. Mylar laminate Star sails would have to be cut with a vertical or Triradial panel array, similar to offshore sails. This change of panel layout would require completely new designs resulting in development costs that may not be trivial.

A vertical, or Triradial panel layout uses more cloth per square foot of sail than a cross cut panel layout. As long as we allow the use of "Polyester" laminates only (as other classes have done), it is true that these laminates are cheaper than woven Dacron, if we prorate the cost per yard of 54" laminates down to 36" Dacron panel widths. However, it takes more cloth to cut a Triradial paneled sail. To compare the relative cloth cost of a 54" wide laminate sail versus a cross cut 36" wide Dacron, it is necessary to know how many yards of the relative fabrics are necessary to build the same size sail, but with two very different panel layouts. We have some data on Triradial panel cloth costs, as we have been building Triradial paneled Star mains for some time, using 36" Dacron woven cloth. As I am not privy to the exact yardage required to build the other Radial head and foot, with cross cut bodies, I have estimated this yardage. I have listed this data below using either Contender's 3.8 "Polykote", or 3.8 "Pentex Polykote", and compared the cloth cost for a 4.0 oz Pentex laminate:

- 1.) Triradial paneled 3.8 oz "Polykote": from Contender's 2000 price catalogue, the price per yard @ 36" width = \$8.55. Yardage required to cut sail with 36" cloth= 43.5 yds. Total cloth cost = \$372.
- 2.) Triradial paneled 3.8 oz Pentex Polykote: from Contender, price per yard @ 36" width = \$10.25. Same yardage as above, total cloth cost = \$446.
- 3.) Triradial paneled 4.0 oz Pentex Mylar: from Contender, price per yard @ 54" width = \$11.50. However at 54" width, yardage to cut sail drops to 32 yds, Total cloth cost = \$368
- 4.) Radial head and Foot with Cross Cut body: estimated yards @ 36" cloth= 36.5 yards. Total cloth cost with 3.8 oz "Polykote"= \$312., Same sail with 3.8 Pentex Polykote = \$374.

As you can see, there is considerable variation in the relative cloth cost in a Star main depending on cloth used and panel layout. Beyond cloth costs, Triradial mains would require more labor to build, as it takes considerably more time to assemble the panels in a Triradial main than the panels in a cross cut main. (Our current Triradial Star

main has 55 panels in the sail!). If we combine the relative cloth and labor costs, I have estimated below the relative change in the price of the finished sails:

Cross cut Star Main using 3.8 oz Contender Polykote = 1.00.

Triradial Star Main using Pentex Mylar = +23% = 1.23.

Triradial Star Main using 3.8 Pentex Polykote = +32% = 1.32.

In short, the most expensive positive sailcloth option and panel layout is currently legal, and allowing the use of Polyester Laminates would not necessarily increase the current cost of sails.

#### Issue 2: Durability

The second issue of durability is not so clear cut. Durability is dependent on a variety of factors, some of which have nothing to do with the choice of fabric. I have listed what I believe are the most important of these:

- 1.) The level at which the skipper competes: If you are trying to win the World's, or the Olympics, you will not take any chances on the potential loss of speed with use. I don't think anyone would compete at this level without new sails, regardless of how durable the fabric is.
- 2.) How the sail is designed: If the cut of the sail is such that any slight loss of strength will begin to show, the durability would not be considered good. For example, if the leech of the main has a very straight exit, any increase of stretch as the fabric ages will show flutter sooner than a design with a tighter exit. If the designer wants the sail to be fastest the first time out of the bag, then any change in stretch will probably have a negative impact on speed. In my opinion, I have not found Star sailors to be very tolerant with any design concepts that require "breaking in" the sail for a few races to reach it's peak performance.
- 3.) Finally, the most important question: will a laminate sail retain its performance longer than a Dacron sail? Again, there is no simple answer to this. It depends on the type of Dacron or laminate. Even more importantly, it also depends on selecting a batch of fabric that exhibits good retention of strength when flogged.

There is enough variation in stretch properties after flogging between batches of the same style cloth from the same manufacturer, that the relative comparison between Mylar and Dacron fabrics can be misleading. Testing a "poor" batch of Dacron against a "good" batch of Mylar can lead to the conclusion that Mylar is more durable. However, reverse the situation, and the result can be the opposite conclusion!!

The relative stretch of the "new" (unfluttered) fabric versus the stretch after flutter is a reasonable estimate of the fabrics' durability. If the stretch after flutter is a many times higher than the stretch when new, it is fair to say the fabric looses more strength when fluttered and would have a greater change in shape with use. After testing cloth for the past 30+ years, and without getting into the details of this testing, there is a significant difference in the stretch properties of any type of fabric after it is flogged. Many fabrics loose more than 50% of their initial strength after relatively short periods of severe flogging, and this is not limited to only Dacron cloth. The variation within one type of fabric from the same manufacturer after flutter can be as dramatic as the variations between different fabrics!

If the fabric when fluttered looses more of its strength on the thread line than it does off thread line, this shape change will be different than the opposite case where the fabric looses more strength on the bias. In general, Dacron woven fabrics loose more strength off thread line as they flutter. In general, the opposite is true with Mylar laminates. Many Dacron or Pentex woven fabrics more than double their original stretch at the same test loads at 30 degrees off thread line after flutter.

The only way to determine the relative merits of which type of cloth maintains its performance over a longer period of time is to conduct a CONTROLLED experiment. This requires at least TWO IDENTICALLY CUT SAILS be built. One from Mylar laminates, one from woven Dacron. Both sails would have to use a vertical or Triradial panel layout, or the Mylar laminate would be at a significant disadvantage, as it's strength is in the warp or panel direction. Contender's 3.8 oz Polykote is also stronger in the warp than the fill, and I would suggest this Dacron be used as the Dacron example.

You can not make a valid conclusion but simply sailing around with a Mylar suit of sails that are different in design and panel layout to their Dacron counterparts. Two suits of sails must be built as per above. These two suits of sails must be always be used together, under identical conditions, for identical periods of time, and most importantly, equally flogged when the wind is over 15 knots!! It's not important if the test sails are competitive with current sails. What is important is how the differences that develop in their sail shapes with use affect their relative speed over the course of a season's sailing.

This type of objective experiment is necessary to remove the current misleading and sometimes erroneous conclusions now being proposed.

Finally, it would be possible is increase the racing life of Star sails by simply allowing transverse battens in both main and jib. As the class has adopted the use of a transverse top batten in the main, this step alone has enhanced the durability of the sail. A 2nd transverse batten, or even more would further enhance durability - for both Mylar and Dacron fabrics. Ditto for the Jib, which does not yet allow a transverse top batten- this should have be adopted at the same time as the main.

I think there is enough justification for laminates to go ahead with a controlled experiment. One that is objective, and unbiased.

I hope this information helps.

#### Historic All-Time Star Class Rankings: 1922 - 2000 44 Roberto Benamati Gar 130 44 Timir Pinegin Mosc 130 compiled by Larry Whipple 44 Willi Kuhweide KF 130 There are two criteria which allow a person to make the list: 52 Bill Ficker NH 120 a.) winning a Gold, Silver or Bronze Olympic Medal. 52 Donald Bever CLE/SLE 120 b.) finishing in top six in a World's Championship. 52 Enrico Chieffi **PDV** 120 This is a partial list. For a complete list contact the editor. 52 Eric Doyle 120 SDB 52 Robert White WSFB 120 Rank Name Fleet/Fleets **Points** 58 Achim Griese 105 KF 1 Lowell North SDB 710 59 Alan Adler GuB 100 2 Mark Reynolds **SDB** 675 59 Arthur Deacon WLIS 100 3 Bill Buchan PS 660 59 Gerald Driscoll SDB 100 4 Agostino Straulino **SVT** 615 59 Eddie Fink LB 100 5 Torben Grael Gua 520 59 Graham Johnson CB 100 6 Alexander Hagen Glu 460 59 James Allsopp CB 100 7 Robert Lippincott WJ 420 59 Jack Robinson WLIS 100 8 Harry Nye SLM 380 59 Prentice Edrington NOG 100 9 Tom Blackaller **WSFB** 370 59 Stig Wennerstrom Kat/Ons 100 10 Carlos de Cardenas FdeH 335 59 Tito Nordio FdiT 100 11 **Durward Knowles** N 330 Hans Wallen 69 95 Kat 12 Adrian Iselin **WLIS** 320 70 **David Forbes** Pit 90 13 FIS/BisB 300 Ding Schoonmaker 90 70 Myron Lehman NH 14 Dick Stearns WH 285 70 M. McIntyre **GBR** 90 14 Pelle Petterson Kat 285 70 Peter Bischoff **GER** 90 16 Hook Beardslee NH 260 70 90 Valentin Mankin Mosc 17 Dennis Conner **SDB** 250 75 Andy Menkart BH/WS 80 17 Paul Cayard WSFB/SDB 250 75 Benny Andersen DF 80 17 Walter von Hütschler 250 HF/RdJ 75 Harold Halsted 80 MorB 20 Skip Etchells WLIS/CLIS 220 75 John Arms **CLIS** 80 20 George Fleitz 220 LAH 75 Mats Johansson Vin 80 22 Malin Burham **SDB** 200 75 William Picken 80 GSB 23 Ben Comstock NB 210 81 Hubert Raudaschl **SMA** 75 23 Hilary Smart CLIS/CA 210 82 70 Alvaro DeCardenas Mar 25 Antonio Gorostegui Lar 200 82 Albino Fravezzi SG 70 25 **Buddy Melges** SLM 200 82 Barton Beek LAH 70 25 Ed Adams CA/NB 200 82 70 Uwe von Bellow HF 25 Paul Elvstrom DF 200 86 Ian Walker SO 65 25 Jack Price **BisB** 200 87 Adrian Mass 60 Hol 30 Colin Beashel SY 190 87 Don Trask **WSFB** 60 31 Duarte Bello CP 170 87 Fred Bedford **CLIS** 60 31 Giorgio Gorla LdC 170 87 Gary Comer JP/SLM 60 31 Don Edler NH 170 87 John McAleese **WSFB** 60 34 James Cowie LAH 160 93 C. Pflug MorB 50 34 William Inslee WLIS/GrB 160 93 Chick Rollins Mis/SDB 50 34 Gilbert Gray NOG 160 93 D. Starring 50 **CLIS** 34 Joe Duplin BH 160 93 E. Thorne **GSB** 50 Joe Londrigan 37 LS 150 93 G. Phillips 50 EB 37 Peter Wright **SLM** 150 93 Albert Debarge FdeP 50 37 Vince Brun **SDB** 150 93 Alan Holt Shil/PS 50 37 William Hubbard NH 150 93 H. Wylie EB 50 43 Glenn Waterhouse 140 WSFB/ESFB 93 Jeorg Bruder 50 Gua 44 Arthur Knapp **WLIS** 130 93 Jorge DeCardenas Mar 50 44 Carl Buchan PS 130 93 50 Larry Whipple PS 44 Herbert Williams SLM 130

130

130

44

44

Joseph Watkins

Milton Wegeforth

**CLIS** 

**SDB** 

93

93

Steven Bakker

Sune Carlsson

Hol

RS

50

50

93	S. Potter	SMB/LAH	50
93	Vincent Hoesch	CMB	50

## 2001 STAR WESTERN HEMISPHERE SPRING CHAMPIONSHIP by Bill Allen

The 2001 Star Spring Championship returned to one of the most popular venues, the Nassau Yacht Club in the Bahamas. Twenty-eight competitors from eight countries arrived expecting the beautiful and challenging conditions.

The Nassau Yacht Club has hosted numerous top-level Star regattas over the past several decades, including the World's in 1985 and numerous Silver Star events. In fact, the Western Hemisphere Spring Championship used to be held in Nassau every other year (most of the competitors would probably vote to return to this tradition!). Regatta Chairman Craig Symonette, ably assisted by local sailors Jimmie and Lori Lowe, Andrew Higgs, and a host of dedicated and very competent volunteers made this a truly outstanding event. Most successful events are the result of extensive involvement by the entire host club, and this was no exception.

I know I speak for all competitors and guests in expressing appreciation to Sir Durward Knowles for his inspirational leadership of the star class, not only in Nassau but around the World as well. I know I felt it an honor to sail in his home waters. I'm sure the participation of top government officials in the regatta was in large part due to the respect of Sir Durward.

After a relatively uneventful measurement process (aside from a few dieting crews) the racing got underway on Saturday. The tune-up race, for the Harry Knowles trophy, was cancelled due to heavy winds. The trophy was therefore given to the winner of the first race.

Nassau is blessed with weather conditions ideal for star racing. Warm temperatures (air and water) and winds from 10-18 knots made for excellent and close racing. The wind tended to shift 15-20 degrees, so getting in phase was of paramount importance, particularly right after the start.

#### FIRST RACE

The regatta schedule called for 2 races on opening day. Race one got underway after one general recall in winds of 10-14 knots. Class newcomers from Sweden Fredrik Loof and Christian Finnsgard led the fleet after getting in phase in the right-middle. Those that went left suffered and in a balanced fleet, never could come back. Vince Brun and Rick Peters rounded second, with George Szabo and John Gochberg third. Vince passed George on the second beat as the Swedes extended their lead by playing the shifts expertly, winning the race comfortably. It's great to see new blood from other classes come into the Star. Fredrik is a three time Finn Gold Cup winner so no doubt will be a force in the class in the future.

#### SECOND RACE

The second race provided more beautiful sailing conditions, with winds 10-15 from the East. A significant shift right at the start favored the boats on the left and gold medallists Mark Reynolds and Magnus Liljedahl played the left-middle and rounded first. John MacCausland and Sean Delaney were second, with Peter Bromby and local sailor Miles Pritchard third. These three remained at the top, with Bromby / Pritchard passing MacCausland / Delaney for second. World's Champion Paul Cayard and Gold medallist Hal Haenel finished fourth in both races to remain in good shape for the series. The fleet enjoyed a beautiful sail home over the crystal clear waters. It was nice to enjoy the scenery after the intensity of the racing.

#### THIRD RACE

Two more races were scheduled for the second day. Three former world's champions, Reynolds / Liljedahl, Brun / Peters and Cayard / Haenel fought it out in the third race, with Vince getting the gun as Paul fell out of the boat surfing down a wave at the finish. Hal wondered about the strange course they were taking and looked back to see no one in the back. Paul, these boats are a little more confining the AC boats! Reynolds / Liljedahl were second. Bromby / Pritchard finished fifth to continue in contention.

#### FOURTH RACE

In slightly more wind, still from the east, Brun / Peters and Cayard / Haenel fought it out in the fourth race, with Vince getting the gun. John Virtue with Brian Terhaar up front sailed an excellent race to finish third, with Joe Zambella and Peter Costa fourth. Bromby / Pritchard broke a shroud and couldn't sail, hampering their chances in the regatta.

#### FIFTH RACE

The schedule was revised to sail another doubleheader, finishing the regatta on Monday, in three days. This turned out to be a good call, because the wind uncharacteristically died on Tuesday. The fifth race was sailed in 10-15 knots, again with significant shifts. Several boats still had a chance to win the championship so the racing was exciting. Bromby / Pritchard went left and led at the first mark, closely followed by Allen / Burgess and Reynolds / Liljedahl. On the second beat, the wind went left, and MacCausland / Delaney took advantage to get the gun. Larry Whipple and Mark Strube sailed a strong second beat to finish second, with Bromby / Pritchard third.

Local sailor Mark Holowesko, with brother Billy crewing sailed their best race of the week to finish 4<sup>th</sup>. Brun / Peters

finished 5th to cement their lead in the regatta.

#### FINAL RACE

The last race was sailed in the lightest air of the series. Brun / Peters were leading the regatta but Cayard and Bromby both had a chance to win, and several series positions were contested. Again, playing the left middle paid off and Reynolds / Liljedahl rounded first, followed by Brun / Peters and Bromby / Pritchard. Reynolds extended his lead to win the race, while Bromby / Pritchard moved up to second. Loof / Finnsgard finished third in the race and a very respectable 6<sup>th</sup> in their first Star championship regatta. Brun / Peters concentrated on covering Cayard / Haenel and won the regatta by 5 points. Cayard / Haenel were second and Bromby / Pritchard 3<sup>rd</sup>. Complete results are found below.

The social events were highlighted by a reception at Government House with the minister of tourism and head of the Bahamas Olympic Federation in attendance.

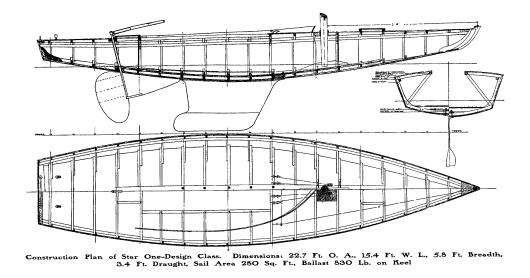
#### **AWARDS DINNER**

The awards dinner was a great party in the Nassau Yacht Club tradition. Vince Brun won both the Silver Star and Masters trophy, giving renewed hope to those of us eligible for AARP. Congratulations to Vince and to Rick Peters who won his first Silver Star

Special thanks go to all those who helped put on this outstanding regatta. Unfortunately, they are too numerous to mention individually. Thanks to Commodore Ivy French and all the volunteers at the club. PRO Percy Knowles ran a flawless series, and Julie Hahnke did a great job as chief of the jury. The competitors and class deeply appreciate all the hard work that goes into running a continental championship. We all look forward to coming back and enjoying the beautiful weather and wonderful hospitality in Nassau.

### 2001 STAR WESTERN HEMISPHERE SPRING CHAMPIONSHIP APRIL 7-10, 2001

Boat#	Skipper	Crew	Fleet	R1	R2	R3	R4	R5	R6	Points
7956	Vincent Brun	Rick Peters	SDB	2	7	1	1	5	4	13
8045	Paul Cayard	Hal Haenel	WSFB	4	4	3	2	12	5	18
7988	Peter Bromby	Myles Pritchard	BER	7	2	5	dnf	3	2	19
7829	Mark Reynolds	Magnus Liljedahl	SDB	12	1	2	11	7	1	22
8024	John MacCausland	Sean Delaney	CR	5	3	8	13	1	8	25
7650	Fredrik Loof	Christian Finnsgard	Bk	1	16	7	9	6	3	26
8044	Larry Whipple	Mark Strube	PS	17	11	4	5	2	16	38
8041	John Virtue	Brian Terhaar	NH	14	5	12	3	8	11	39
7902	Mark Holowesko	William Holowesko	N	13	9	11	12	4	10	46
7972	Peter Vessella	Brian Fatih	WSFB	9	13	18	6	11	7	46
7963	Jock Kohlhas	Chris Eld	BisB	21	6	19	8	10	15	58
7911	James Lowe	Andrew Higgs	N	16	8	10	10	15	20	59
7986	Bill Allen	Rick Burgess	WH	10	14	17	14	9	13	60
7595	Carlo Loos	Christian Nehammer	CBM	8	10	24	16	13	21	68
7979	George Szabo III	John Gochberg	SDB	3	18	dnf	dns	14	6	69
7894	Kevin McNeil	Rod Emmett	AN	20	12	6	17	20	17	72
8000	Riccardo Simoneschi	Paolo Busolo	FdiG	dsq	17	13	15	18	9	72
7950	Joe Zambella	Peter Costa	BH	24	26	14	4	19	14	75
7824	Henry Colie	Kevin Murphy	LH	15	22	22	7	16	22	82
8020	Philipp Rotermund	Tim Kraemer	Glu	18	15	20	21	17	12	82
8003	Rod Monster	Kai Bjorn	Isol	11	19	9	dns	dns	dns	95
8011	Robert Van Wagnen	John Hunger	BisB	19	24	16	18	23	19	95
7312	Ingvar Krook	Verus Thelander	AR	6	23	26	19	dnf	dns	102
7512	Robert Teitge	Adam Korejsza	DR	23	27	15	20	21	23	102
7471	John Bainton	William Christenson	NB	22	20	21	23	25	25	111
7957	Claude Bonanni	Arthur Anosov	TaB	dsq	25	23	22	24	18	112
7782	Kurt Larson	Robert Carlson	BH	25	21	25	dnf	22	24	117



#### **ONE-DESIGN CLASSES**

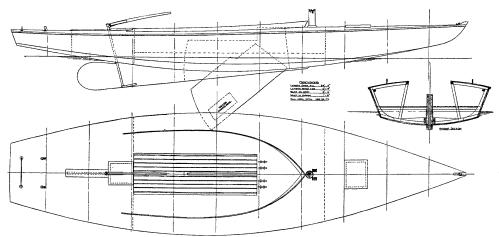
(Text and drawings form RUDDER, December, 1911)

POPULARITY of one-design classes seems to be on the increase, and there are several new classes proposed for next season; one, a class of small schooners. Several of the most prominent classes racing on Long Island Sound were designed by Mr. William Gardner, of New York, and on the following pages are given drawings of a number of these boats as well as the drawings of two proposed classes. One of the most popular classes ever raced on the Sound in the small-boat division are the "Bug" boats, which were designed and built in the Spring of 1906. These boats are 19 feet over all, and cost complete only \$125. Fourteen of these were built for members of the Manhasset Bay, Larchmont, Horse Shoe Harbor, Huguenot, and New Rochelle Y.C.

This year designs for a new class similar to the old, but 3 feet 7 inches longer over all, and known as "Star" boats, was gotten out and the boats cost complete \$250. Fifteen of these were built for members of the American Y.C., six for various members of the Manhasset Bay, New Rochelle, Larchmont, and Horse Shoe Harbor Y.Cs., and ten for members of the Nahant Y.C. of Nahant, Mass. Both the "Star" and "Bug" classes were described by Mr. Thornton Smith in the January, 1911, issue.

All of the old boats as well as all of the new, except ten for the Nahant Dory Club, were built by Isaac Smith, of Port Washington, L.I. The ten for the Nahant Club were built by Richard T. Green & Co., of Chelsea, Mass.

A class similar to the new "Star" boats, except that they are 1.7 feet longer, a foot wider, and of the center-board type, has been designed with a view to placing the class on Gravesend Bay. It is proposed that members of the various clubs in the Gravesend Bay Association build to this class, and if the proposed plans are carried out, the class will be a great addition to racing on the Bay.



Proposed Gravesend Bay One-Design Class. Dimensions: 24 Ft. O. A., 15.4 Ft. W. L., 6.8 Ft. Breadth, 1.8 Ft. Draught Sail Area 280 Sq. Ft. Ballast 100 Lb on Centerboard

### **Tomahawk Regatta**

Lake Hopatcong Yacht Club June  $2^{nd}$  and  $3^{rd}$ 

Welcome all! Make the Tomahawk your first regatta of the millennium. Get ready to scalp the competition and tune-up for the season at the annual LHYC Tomahawk Regatta!! JUNE 2<sup>ND</sup> AND 3<sup>RD</sup>. We look forward to seeing all of you there. Sailing in the District 12 Championships? Leave you star with us and return the next week for the Districts.

### **District 12 Championships**

Lake Hopatcong Yacht Club June 8<sup>th</sup> 9<sup>th</sup> and 10<sup>th</sup>

LHYC is proud to host the 12<sup>th</sup> District Championships this year. We are going to make these Districts memorable. Join us first for the Tomahawk Regatta. If you are interested in housing, we can help. First come first served. Call Fred Eagles at 973-331-0858. Registration begins the afternoon of Thursday, June 7. Social events will include a barbeque at the club, dinner at the lakeside home of club members Betty and Dick Gantert and a Saturday night party at the historic Lake Hopatcong Yacht Club.

#### 

### NEW BOATS AND SAILS

Web sites for new boats and sails which are presently up and running:

Mader Boats: <a href="http://www.bootswerft-mader.de/">http://www.bootswerft-mader.de/</a> In the U.S. contact John MacCausland: 856 428 9094

Fritz Sails: www.fritz-segel.de

North Sails:

http://www.northsailsod.com/class/star/star.html

**Quantum Sails:** 

http://www.quantumsails.com/star/index.htm

Other contacts:

Emmeti Spars:

e-mail: mastagl@tin.it

Folli Boats, Lariovela Boatyard:

e-mail: lariovela@tin.it

Lillia Boatyard:

e-mail: lillia@mclink.it

In the U.S. contact Joe Zambella: 617 839 0992

Star-Rigg Service Alexander Hagen:

e-mail: alex.hagen@t-online.de

Spar Tech:

In the U.S. contact John MacCausland: 856 428 9094

#### FOR SALE / WANTED

WANTED: Mader or Folli built star boat in very good condition, #7400 or newer. Please call Tom Flinn at work: (973) 509-7500 x223; or Home: (201) 288-6147. Or e-mail tdfesq@aol.com.

6320 Miller-Buchan, 1978. Located at Sunapee, NH. Contact Nat Cook: 603 526 4637, E-mail: <a href="mailto:natcook@tds.net">natcook@tds.net</a>

6719 Melges is for sale for US \$4000.00 The boat comes equipped with sails, f-section Spartech mast, 2 Tactical compasses, all Harken, and mast-up boat cover. The boat has an excellent aluminum road trailer, radial tires, and surge brakes. The hull was completely faired and finished with nine coats of Interlux two part epoxy paint (Ontario Yachts). This boat has all the go-fast equipment as well as under deck (3 to 1) kevlar running backs, and double bottom with four auto bailers. The boat is a fast club racer and has performed well at the local level. The boat is presently in Toronto and can be delivered. Call 416-465-8207 or e-mail francis@fougere.ca

2000 World's video available: To purchase a video of the 2000 World's contact Annapolis Yacht Club / P.O. Box 908 / Annapolis, MD 21401 / Bus: (410) 263-9279 / Bus Fax: (410) 269-8905

Videos available: Mystic Seaport has two World's videos available in VHS: the 1977 Kiel World's (AV 74:77-1) and the 1981 Marblehead World's (AV 74-81-1). For further details call Suki Williams, video archivist, at 860 572 5379 / suki@mysticseaport.org

#### STAR CLASS MEMORABILIA

If you have anything which you think should be in the Star Class Archives at Mystic Seaport Museum please contact either the editor (d.bolles@worldnet.att.net) (203 882 9428) or Joe Knowles (pnjk@aol.com) (860 572 0606). Anything from a single photograph to a collection of correspondence, program notes, or anything else related to the Star Class and its activities would be most welcomed.

### **UNDER 7000 BOATS WANTED**

If you have or know of an under 7000 boat which wants to get out onto the racecourse again please contact the 5<sup>th</sup> District Secretary Ed Sprague at <a href="mailto:edstarsail@aol.com">edstarsail@aol.com</a> (619 224 8454).



#### **REGATTA SCHEDULES**

#### 1st District

Please check the 1st District Web Site for more information about these regattas. Go to:

http://ourworld.compuserve.com/homepages/fcsdesign/

\*May 13 Captain Morgan (HB) May 20 Skipper's Choice (BH) June 2-3 J.F.K. (BH)

June 16-17 Arms White (Mid) June 22-241st District Championship (BH)

Ned Hay (CA) July 21-22

July 28-29 Atlantic Coast Masters (CLIS)

Aug. 11-12 Secretary's Cup/

Make-a Wish Regatta (Benefit) (BH)

Aug. 11-12 Picken Memorial (GSB)

Aug. 23-31 North American Championship (Mid)

http://www.mycstar.org

Sept. 8-9 Pine Trophy (Intercollegiate Star Champ.)

Sept. 15-16 Bedford Pitcher (CLIS)

Sept. 22-23 Nutmeg's (Mid)

### 2<sup>nd</sup> District

May 26-27

Oct. 27-28

Dec. 8-9

Please check the 2<sup>nd</sup> District Web Site: http://home.dmv.com/~jenkins/star.html

May 5-6	West River Spring-WRSC
May 19-20	HDGYC One Design
June 2-3	Lippincott Memorial-SSA
June 9-10	2 <sup>nd</sup> District Championship-HDGYC
June 23-24	SSA Keelboat-SSA
July 7-8	Miller Series-GIYS
Aug. 4-5	Miles River/Green Star-MES
Aug. 11-12	Oxford Summer-TAYC
Sept 8-9	West River Keelboat-WRSC
Oct. 6-7	Fall Windup-TAYC
Oct. 13-14	Michelob Cup-WRSC

#### 5th District Star Race Calendar

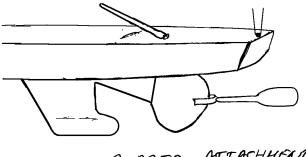
2	` '' &
June 2-3	Cal Race Week/Green Star District
	Championship, California YC
June 9-10	King of Spain, California YC
June 16-17Sta	ar Class Fifth District Championship,
	San Diego YC
July 7-8	Baxter Bowl/Summer Gold Cup (NH)
July 28-29	Lipton Cup, Santa Barbara YC
Sept. 1-2	Labor Day Pitcher Regatta (SDB)
Sept. 8-9	Black Star - Under #7000 California Champs,
	California YC
Sept. 15-16	Fall Gold Cup (NH)
Oct. 21-22	Calvin Paige Trophy , St. Francis YC

Ash Brown Oktoberfest Regatta (SDB)

Kriss Kringle Regatta (OD) (SDB)

Rollins Bowl (OD), San Diego YC

#### EMIL'S CORNER



RUDDER ATTACHMENT TO IMPROUE Sculling effect.

Cartoon by Emil Karlovsky

### 

12<sup>th</sup> District

May 19-20 Ice Breaker (Sun) June 2-3 Tomahawk (LH)

June 8-10 12<sup>th</sup> District Championship (LH)

June 16-17Rock Bottom (KL) June 23-24Scythes (LOC)

July 7-8 Mars/Venus (GrL) Aug. 4-5 Sunapee Open (Sun)

Aug. 11-12 N.Y. State Championship (SL)

Sept. 8-9 FLASIR (KL)

Sept. 15-16 Lake George Open (LG)

Sept. 22-23 Chili Regatta (SL)

The 2001 Star Canadian Championship will be hosted by the LOC Star Fleet on the weekend of June 23-24. Facilities and professional race management will be provided by the Royal Canadian Yacht Club and racing will take place in the waters of Lake Ontario off Toronto. For more information contact John Finch ihfinch@home.com or 905-332-4855.

Suggested donation for an annual hard

subscription to Stardust: \$18.

**David Bolles** Tel: 203 882 9428

133 Castle Lane Milford, CT 06460

E-mail: / d.bolles@worldnet.att.net