

*Twenty-Fifth Annual*

# Head-of-the-Charles<sup>®</sup> Regatta

*Sunday, October 22, 1989*

*Three Dollars*



If acceleration is your only yardstick of performance, most any German luxury sedan will measure up.

But for those who seek a more enlightened approach to the road, Audi offers an alternate route.

Because Audis are engineered for, and best appreciated in, the real-world extremes of weather and handling and road conditions.

Thanks to unique features like our permanent all-wheel Quattro drive. An innovation that can actually improve traction by 100%.

And such inspired thinking is found throughout our entire line. From the spirited 80/90 Sports Sedans to the dramatic 100/200 Luxury Sedans.

In load-sensitive disc brakes. In 100% galvanized bodies. Even in the way every Audi is protected—with the unprecedented Audi Advantage. (Your dealer will proudly share all the impressive details.)

After all, Audi believes it's far more sensible to think on your wheels rather than just spin them.



**The Alternate Route.**

# It Chooses To Outsmart Rather Than Overpower.





# The Commonwealth of Massachusetts

By His Excellency

MICHAEL S. DUKAKIS

Governor

## A PROCLAMATION

1989

WHEREAS: On October 22, 1989, the 25th annual Head-Of-The-Charles Regatta will take place on the Charles River between Boston and Cambridge; and

WHEREAS: The first race in 1965, when 90 boats competed, was an instant success with the public and rowers alike and has since grown to become the largest single day rowing event in the world; and

WHEREAS: The regatta brings rowers from all around the world to Boston for a full day of fun and competition; and

WHEREAS: This year over 3,300 rowers from England, Scotland, Ireland, Australia, West Germany, the Soviet Union, Italy, the United States and Canada will compete in 840 boats during the regatta;

NOW, THEREFORE, I, MICHAEL S. DUKAKIS, Governor of the Commonwealth of Massachusetts, do hereby proclaim October 22, 1989 as

### HEAD-OF-THE-CHARLES-REGATTA DAY

and urge the citizens of the Commonwealth to take cognizance of this event and to participate fittingly in its observance.

Given at the Executive Chamber in Boston, this twelfth day of September, one thousand nine hundred and eighty-nine and of the Independence of the United States of America, the two hundred and fourteenth.

By His Excellency the Governor

MICHAEL S. DUKAKIS

*Michael J. Connolly*  
MICHAEL J. CONNOLLY  
Secretary of the Commonwealth



GOD SAVE THE COMMONWEALTH OF MASSACHUSETTS



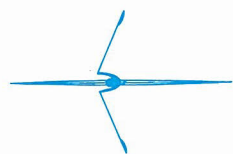
# WE TAKE ROWING SERIOUSLY!

*for a good time call 802 888 7971*



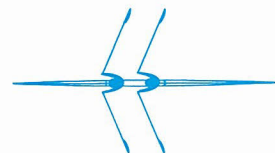
## The Equipment

## Events and Starting Times



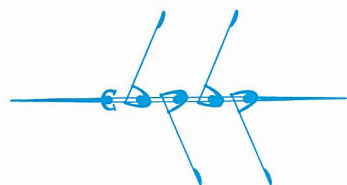
### SINGLES

Singles are boats about 26 feet long, 11 inches wide, and weighing some 30 pounds, propelled by one person with two oars sometimes called sculls.



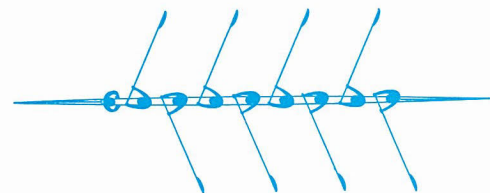
### DOUBLE SCULLS

Doubles are boats propelled by two people, each with two oars (or sculls).



### FOURS

Four-oared boats have four rowers, each with one oar and a coxswain to steer and cajole them.



### EIGHTS

Eight-oared boats have eight rowers, each with one oar, and they have a coxswain. The boat is about 60 feet long and weighs about 230 pounds.

1. Club Singles	8:30 am
2. Club Fours	9:00 am
3. Club Eights	9:30 am
4. Veteran Singles	9:55 am
5. Youth Fours	10:30 am
6. Grand Master Singles	10:55 am
7. Youth Eights	11:30 am
8. Senior Master Singles	12:00 noon
9. Lightweight Fours	12:30 pm
10. Master Singles	1:00 pm
11. Lightweight Eights	1:30 pm
12. Lightweight Singles	1:55 pm
13. Championship Doubles	2:25 pm
14. Championship Fours	2:55 pm
15. Championship Singles	3:25 pm
16. Championship Eights	4:00 pm

Within each event, the women's division will start 2 minutes after the end of the men's division, except in Championship events where the hiatus will be 8 minutes.

Date of next year's Regatta: Sunday, October 21, 1990

For information contact: Regatta Headquarters  
P.O. Box 52  
Cambridge, MA 02238

## Event Descriptions

- **Youth:** Persons under 20 years old, including coxswains.
- **Club:** Limited to persons who haven't achieved a specified level of performance since October 1st of the preceding calendar year.
- **Master (singles):** At least 30 years old.
- **Master (crew):** Rowers' ages average at least 40 years—no one, except cox, under 30 years old.
- **Grand Master:** At least 50 years old.
- **Veteran:** At least 60 years old, 8 second per year over 60 handicap.
- **Lightweight (singles):** Max men: 160 lbs., Max women: 130 lbs.

- **Lightweight (crew):** Men—average weight not to exceed 160 lbs., no one over 170 lbs. Women—average weight not to exceed 130 lbs., no one over 138 lbs.
- **Men's Divisions:** Male rowers and scullers only.
- **Women's Divisions:** Female rowers and scullers only.
- **Championship:** Open (unrestricted).
- **Coxswains:** May be of either sex, but must have sufficient weight with them in the boat to weigh at least 100 lbs. during entire race (no weigh in).
- **Fours and Eights:** Sweep-oared, with coxswain.
- **Singles and Doubles:** Sculling, no coxswain.





photo: © Alex MacLean, LANDSLIDES '87

## Dear Friends,

As Commissioner of the Metropolitan District Commission, it is my pleasure to welcome you to the scenic banks of the Charles River here in Boston to witness one of the most prestigious sporting events of its kind—the Head-of-the-Charles® Regatta.

Thousands of scullers from the world over have returned year after year to take to the water with a true sense of sportsmanship. This year, the largest single day rowing event in the world celebrates its 25th year. Governor Michael S. Dukakis has befittingly declared October 22 as Head-of-the-Charles® Regatta Day in Massachusetts. This year we are especially honored to have competing the fastest single scullers in the world, fresh from winning the rowing World Championships held in Bled, Yugoslavia.

In past years, the true meaning of this wonderful event was being clouded by unsportsman-like activity by unruly spectators on the riverbanks. The illegal consumption of alcohol, a disregard for parking laws, littering and open fires blurred the real meaning of this marvelous athletic competition. For the last two years, the MDC, with the help of the Head-of-the-Charles® Regatta Committee, universities, colleges, alumni and community groups, launched an intensive public education campaign to help stem the rise in the unpleasant behavior of some spectators.

An increase in the number of MetroPolice officers, coupled with stepped up enforcement, returned the scene on the riverbanks to a more pleasureable and family-like atmosphere.

This year the MDC will continue its crowd control and strict enforcement of rules; most notably the ban on alcoholic beverages. Once again, our cleanup crews will move in at the event's completion to remove litter and restore beauty to the area.

The Head-of-the-Charles® Regatta is a day to reunite with old friends, and a day to meet new ones; it is a day to display athletic prowess and agility and a day to observe it. To this end we ask for your cooperation to ensure the enjoyment of all who partake in this spectacular event.

Sincerely,

M. Ilyas Bhatti  
Commissioner

**MetroPolice** **MetroParks**  
A service of the Metropolitan District Commission A service of the Metropolitan District Commission



## In the Beginning

The Head-of-the-Charles® Regatta is held annually on the next-to-last Sunday in October. The first race was held on October 16, 1965 and attracted nearly 100 boats and was an instant success with the public and rowers alike. The Regatta has since grown to become what is believed to be the largest single day rowing event in the world. The Cambridge Boat Club Board of Directors appoints three trustees from its membership and they in turn are responsible for its operation.

## The Regatta Today

This year is the 25th running of the Regatta, and we are fortunate to have the top medalist scullers from the World Championships, as well as competitors from England, France, Italy, West Germany, Ireland, Netherlands, Australia, and two crews from Latvia. Over 3600 rovers in nearly 850 boats will row over the three mile course.

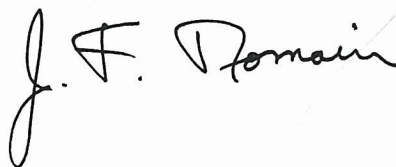
The Head-of-the-Charles® is run by people who love the Charles, the sport of rowing, and its traditions. The Regatta Committee meets year-round and oversees the hundreds upon hundreds of organizational and operational aspects of producing a fair and safe regatta for everyone involved. The Regatta Committee works closely with the Metropolitan District Commission whose jurisdiction is the Charles River (our race course) and the park land along its banks, and supports their goals of maintaining the resource and protecting spectator welfare. The dynamic growth of the sport and popularity of the races indicate the great need for a MDC presence.

The character of the regatta would be very different without the generosity of our neighboring schools, colleges, boat clubs, and their coaches and directors, who donate equipment, accommodate the flood of rowers, and maintain their good humor. The omnipresence of the Red Cross emergency services generates much peace of mind. Minuteman Repeaters Association and Framingham Amateur Radio Club donate the radio network that coordinates much of the Regatta.

Throughout the year and intensely on Regatta weekend, the Regatta relies on hundreds of volunteers for their hard work, their smart work, energy and passion for the Regatta and rowing. Thanks to these hundreds of individuals, the competitors and our neighbors and friends, the Regatta continues—year after year.

Next year will mark the 25th Anniversary of the 1st "Head," and a full schedule of events and activities are planned. We hope you will join us again next year.

Sincerely,



J.F. Romain  
Donna Smith  
*Directors*

1989 Head-of-the-Charles® Regatta Committee  
Christopher Boit  
Bill Becklean  
Kevin Courtney  
Jack Frailey  
Ridgley C. Johnson  
Steve Smoot  
Susie Wood

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## 1965 — Head-of-the-Charles® Regatta — 1990 25th ANNIVERSARY CELEBRATION OCTOBER, 1990

### Dates to Remember:

Tuesday, October 16th	Grand 25th Birthday Kickoff Banquet
Wednesday, October 17th	Rowing Art & Photography Exhibit Opening
Thursday, October 18th	Rowing Equipment Show Opening
Friday, October 19th	Private Receptions, Reunions (Boston/Cambridge)
Saturday, October 20th	River Parade of Floats and Reunion Crews/Scullers Regatta Eve Fireworks
Sunday, October 21st	The 26th Annual Regatta

For Banquet reservations and other information, send self-addressed envelope to:  
H.O.C.R. 25th Anniversary,  
Post Office Box 52, Cambridge, Mass. 02238 U.S.A.

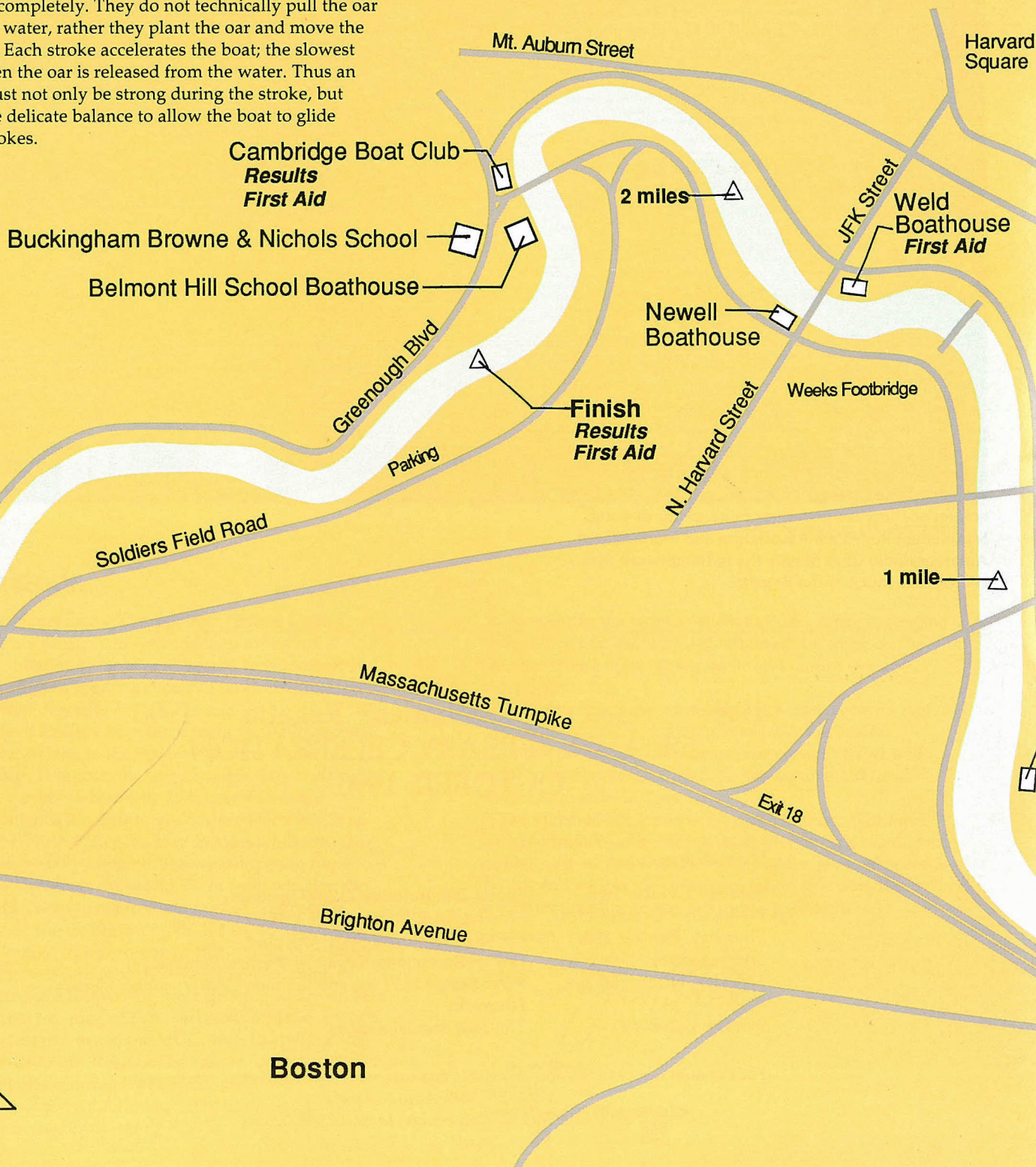


## Rowing, and How to Watch It

No doubt, all the athletes will be sitting down, facing backwards (except for coxswains), and exerting themselves strenuously. What actually happens in a rowing shell? The sculling boats, the singles and doubles, are "blind", and the scullers must look around to negotiate the course and pass others, while at the same time rowing full speed ahead. In sweep-oared boats (fours and eights) the coxswain steers and acts like a coach by communicating position and strategy to the rowers, contrary to the popular notion that they only yell, "Stroke...stroke...stroke..."

The competitors' objective is to get the shell over the 3-mile course as fast as possible by using their energy efficiently and completely. They do not technically pull the oar through the water, rather they plant the oar and move the shell past it. Each stroke accelerates the boat; the slowest point is when the oar is released from the water. Thus an oarsman must not only be strong during the stroke, but preserve the delicate balance to allow the boat to glide between strokes.

There are a couple of things to watch to see how well a boat is moving. First and foremost, the bow number shows where they started on the line-up, so a fast-moving boat will have gained roughly fifteen seconds for each of the lower numbers they have passed. The white rubber ball on the front end, the bow ball, mimics the momentum of the boat. Watch to see if it travels smoothly, or bobs or halts. Strong, fluid, confident stroking wins races. A tired rower may use extraneous motions by wrenching or jolting the start of the stroke. "Catching a crab" happens when a rower has their oar literally stuck in the water, and will disrupt or even cause a boat to stop altogether.





The course on the Charles is three miles long and is renown among Head races for its twisting progression and many, many bridges. Among crews it is often referred to as a "coxswain's race" because hardened nerves and a keenly negotiated course will mean precious seconds. Excitement builds as three boats approach a bridge that only two fit through. The orange buoys must not be crossed at the risk of a ten-second penalty, but a skillful crew will cut them closely as they pick the shortest distance between two points. Today's races are monitored by the most sophisticated of computerized timing systems, and finishers are often separated by only hundredths of seconds, so every stroke counts!

## "Head" Regattas

Since "Head of the Rivers" races necessarily take place on skinny rivers, they are very different from collegiate meets or international championships, which generally take place on lakes where the boats line up across and start at the same time. Head races are several miles long, round corners and pass through bridges, which again is very different from a *straight* 2000 meter course. Head boats compete against each other indirectly by racing a clock. They line up in order according to numbers on the bow and start at discreet intervals—usually about 15 seconds.

Head races are sponsored in the fall, when long endurance workouts are a key part of a full-year training program geared toward the 2000 meter sprints. A Head race takes about 15 to 20+ minutes, (versus 6+ minutes for the shorter spring and summer races) providing a continuous pageant of flashing blades and team colors for supporters to encourage on.

Because the racing is quite different, luck can play a determining role. Numerous factors that can affect one's final standing in the results: the draw of the line-up, collisions, or bottleneck points. It really would be folly to place excess importance on a singular achievement, but then again, why not?

## Cambridge

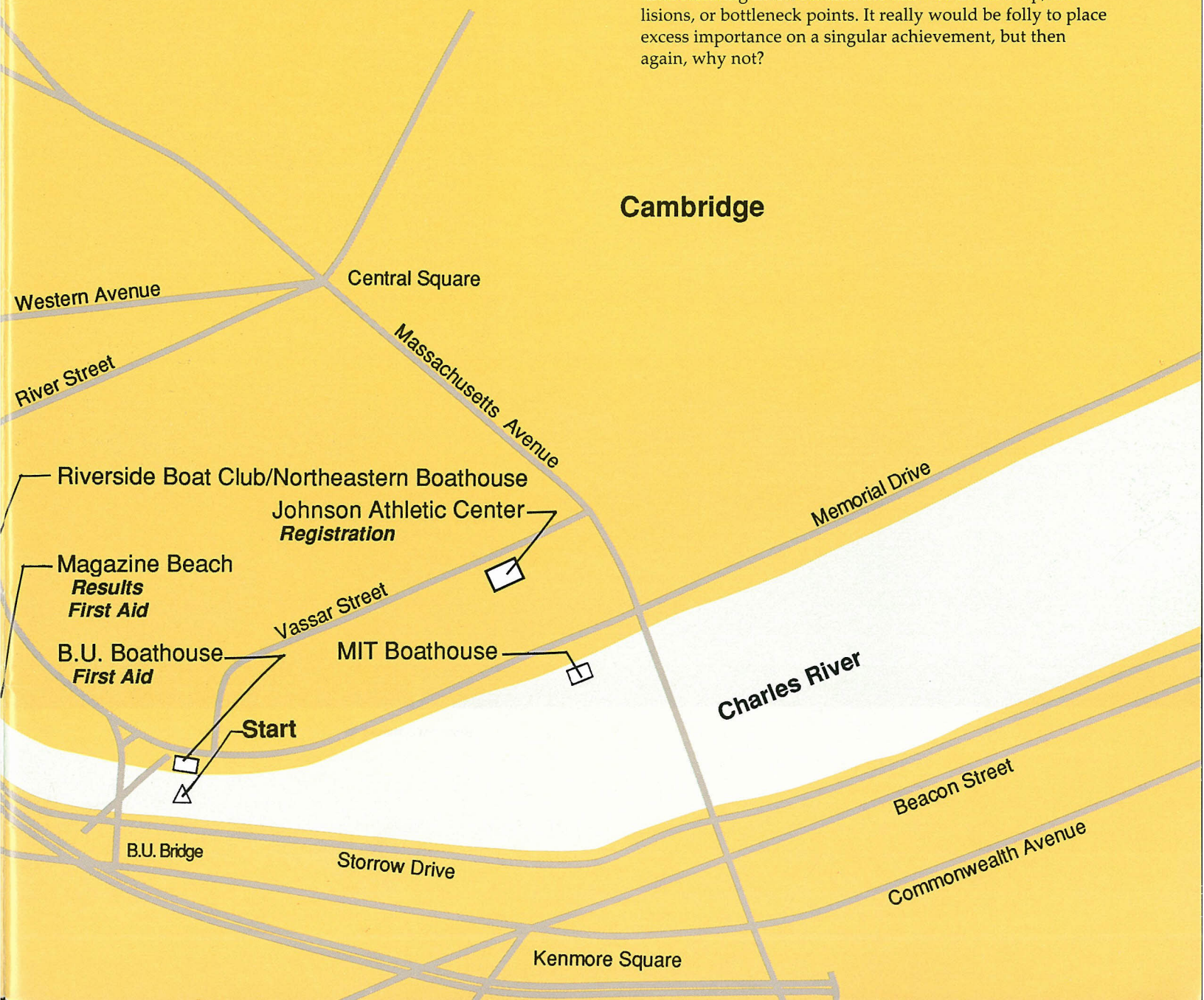






photo: © M.L. Thomas '89







# 1. Club Singles

8:30 am

**Louis Hawes Trophy**  
**Men's Record: 18:39.6 (G. Florio, NYAC 1983)**  
**Peggy Hawes Trophy**  
**Women's Record: 20:55:80**  
**(H. Lafferty, St. Catherines R.C., CAN 1987)**

## MEN

1. **J Gordon**  
S. Hadley MA
2. **J Bowen**  
University of Rochester NY
3. **M Frassica**  
University of Lowell MA
4. **J Stock**  
Weld Boat Club MA
5. **S Matthews**  
Middlesex Western R C CA
6. **F Marshall**  
Riverside Boat Club MA
7. **T Kadioglu**  
New York Athletic Club NY
8. **P Sutton**  
Argonaut Rowing Club Canada
9. **D Margolis**  
Potomac Boat Club DC
10. **T Elwood**  
Galway IR
11. **J Pensak**  
Riverside Boat Club MA
12. **J Cooper**  
Norwalk River Rowing Club CT
13. **C Martin**  
Housatonic Rowing Assn CT
14. **P Mancuso**  
New Haven Rowing Club CT
15. **J Floyd**  
Riverside Boat Club MA

16. **D Aucoin**  
Laval Que CN
17. **S Beatty**  
Ottawa Rowing Club Canada
18. **R Ruggieri**  
Naragansett Boat Club RI
19. **C Taube**  
Durham Boat Club NH
20. **G Duncan**  
Durham Boat Club NH
21. **R Kelliher**  
Jacksonville University FL
22. **C Somers**  
Thames River Sculls CT
23. **J Dayton**  
San Francisco CA
24. **J Tarrant**  
Saratoga Springs R C NY
25. **C Losee**  
Occoquan Boat Club VA
26. **D Dill**  
Union Boat Club MA
27. **K Williams**  
London Rowing Club Canada
28. **J Whittard**  
Queens Rowing Club Canada
29. **T Toland**  
Malta Boat Club PA
30. **S Gordon**  
US Naval Academy MD

31. **J Meiselman**  
Philadelphia PA
32. **Neils**  
MIT Boat Club MA
33. **J Cheesebro**  
Minneapolis Rowing Club MN
34. **A Catellier**  
Boston MA
35. **G DiSalvo**  
New York Athletic Club NY
36. **J Weaver**  
Riverside Boat Club MA
37. **G Gage**  
Leander Boat Club Canada
38. **J Sulger**  
New York Athletic Club NY
39. **M Brown**  
Oneida Boat Club NJ
40. **W Corbett**  
Riverview MI

## WOMEN

41. **Proctor**  
Watertown MA
42. **Sass**  
Riverside Boat Club MA
43. **S Kitchen**  
Argonaut Rowing Club Canada

44. **K Olin**  
Arlington VA
45. **S Gath**  
Yankee Rowing Club MA
46. **D Parr**  
Argonaut Rowing Club Canada
47. **J Katnick**  
Laval Que CN
48. **K Carpenter**  
Boston Rowing Center MA
49. **K Stow**  
Perth West Australia
50. **K Sweeney**  
Potomac Boat Club DC
51. **J Harcourt**  
Durham Boat Club NH
52. **N Shechter**  
Riverside Boat Club MA
53. **C Ryder**  
Riverside Boat Club MA
54. **P Lesniak**  
St Catharines R C Canada
55. **B Collins**  
Housatonic Rowing Assn CT
56. **A Ott**  
Amoskeag Rowing Club NH

# 2. Club Fours

9:00 am

**Men's Record: 17:31.87 (Fairmont Rowing Assn. PA 1987)**  
**Women's Record: 20:30.2 (Carnegie Lake Rowing Assn. NJ 1987)**

## MEN

1. Fairmont Rowing Assn PA
2. Milwaukee Rowing Club Inc WI
3. Union Boat Club MA
4. U of California Berkley CA
5. Baltimore Rowing Club MD
6. Merrimac River Rowing Assn MA
7. Stanford Rowing Club CA
8. Northeastern Univ Extra Entry
9. Brandeis University MA
10. Hartford Barge Club CT
11. Saratoga Springs R C NY
12. Colby College ME
13. Santa Barbara Rowing Club CA
14. Norwalk River Rowing Club CT
15. Navesink River Rowing Club NJ
16. US Merchant Marine Academy NY
17. NY Maritime College NY
18. Syracuse Chargers NY
19. Auriol Kensington R C Club UK
20. Vassar College Crew Club NY
21. Minneapolis Rowing Club MN
22. Villanova University PA
23. Carnegie Mellon University PA
24. Clark University MA
25. Galway R C Ireland
26. Georgia Inst of Technology GA
27. University of Chicago IL
28. Latvian Nat'l Masters R C Soviet Union
29. Johns Hopkins University MD

30. College of St Thomas MD
31. Riverside Boat Club Extra Entry
32. Rocky Mountain Rowing Club CO
33. Washington College MD
34. Worcester State College MA
35. Bowdoin College R A ME
36. Duke University NC
37. Lafayette College PA
38. New Orleans Rowing Club LA

## WOMEN

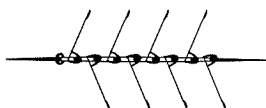
39. Miami Rowing Club FL
40. Philadelphia Girls R C PA
41. Univ of Texas Women's Crew TX
42. Seneca Rowing Club NY

43. Stanford Rowing Club CA
44. Notre Dame Rowing Club IN
45. Minneapolis Rowing Club MN
46. University of North Carolina NC
47. Univ of Baltimore Rowing Assn MD
48. Skidmore College NY
49. Boston 'T' Club MA
50. Colby College ME
51. Brandeis University MA
52. College Boat Club PA
53. Clark University MA
54. Lafayette College PA
55. Villanova University PA
56. Syracuse Chargers NY
57. O.A.R.S. NY



### 3. Club Eights

9:30 am



Men's Record: 15:14.6 (Temple Univ., PA. 1984)  
Women's Record: 17:26.4 (Univ. of Minn. Women's Crew 1982)

- |                                   |                                      |  |                                     |
|-----------------------------------|--------------------------------------|--|-------------------------------------|
| 1. MIT Boat Club MA               | 16. Hobart and William Smith NY      | 31. Furnival Sculling Club UK              | 45. Community Rowing Extra Entry    |
| 2. Boston University MA           | 17. New Haven Rowing Club CT         | 32. Holy Cross College MA                  | 46. Dartmouth Rowing Club NH        |
| 3. Northeastern University MA     | 18. Narragansett Boat Club RI        | 33. Mystic Valley R A MA                   | 47. Wesleyan University CT          |
| 4. Kings Crown Rowing Assn NY     | 19. University of Lowell MA          | 34. Charter Oak Rowing Club CT             | 48. Boston University Extra Entry   |
| 5. Rude and Smooth Boat Club NY   | 20. Cambridge B C Extra Entry        | 35. Latvian Nat'l Masters R C Soviet Union | 49. Potomac River Dev Center VA     |
| 6. Bulldog Rowing Club PA         | 21. Warren Rowing Club MA            | 36. University of Miami FL                 | 50. Radcliffe College Extra Entry   |
| 7. Power Ten of New York NY       | 22. Univ of Baltimore Rowing Assn MD | 37. Bucknell Crew Club PA                  | 51. Simmons College MA              |
| 8. Worcester Poly Inst MA         | 23. Harvard Law School MA            | 38. Queens Rowing Club Canada              | 52. Baltimore Rowing Club MD        |
| 9. Motley Rowing Club CA          | 24. Community Rowing Inc MA          | 39. Carnegie Lake Rowing Assn NJ           | 53. Ithaca College NY               |
| 10. Seattle Rowing Club WA        | 25. Harvard University Extra Entry   | 40. Tulane University LA                   | 54. MIT Boat Club MA                |
| 11. Wesleyan University CT        | 26. Tideway Scullers England         |  | 55. University of North Carolina NC |
| 12. San Diego R C CA              | 27. Belmont RC Extra Entry           | WOMEN                                      | 56. Northwestern University IL      |
| 13. Dartmouth Rowing Club NH      | 28. Notre Dame Rowing Club IN        | 41. Housatonic Rowing Assn CT              | 57. Skidmore College NY             |
| 14. Little Brave Canoe R C MA     | 29. Miami Rowing Club FL             | 42. Seattle Rowing Club WA                 | 58. Amherst College MA              |
| 15. Williams College Boat Club MA | 30. Mercyhurst College PA            | 43. Univ of Michigan Rowing Club MI        | 59. College Boat Club PA            |
|                                   |                                      | 44. Queens Rowing Club Canada              | 60. Hamilton College Crew Club NY   |
|                                   |                                      |  | 61. Drexel University               |

### 4. Veteran Singles

9:55 am



Mowatt Trophy  
Men's Record: 19:30.74 (S. Pell, Princeton Univ. R.A. NJ 1987)  
Women's Record: 24:55.85 (G. Zint, Edgewater, FL 1987)

#### MEN

- |   |   |  |   |
|---|---|--|---|
| 1. <b>J Welchli (Age 60)</b><br>Detroit Boat Club MI      | 10. <b>R Cutler (Age 75)</b><br>Riverside Boat Club MA      | 19. <b>J Middendorf II (Age 65)</b><br>Potomac Boat Club DC    | 28. <b>A Camerota (Age 62)</b><br>Mashpee MA              |
| 2. <b>H Rogers (Age 63)</b><br>Boston Rowing Center MA    | 11. <b>P Heller (Age 63)</b><br>Shinmo Rowing Club MA       | 20. <b>E Thomas (Age 70)</b><br>Upper Merion Boat Club PA      | 29. <b>A Borghard (Age 60)</b><br>Sagamore Rowing Assn NY |
| 3. <b>E Lynch (Age 64)</b><br>Cambridge Boat Club MA      | 12. <b>R Vernon (Age 76)</b><br>Cambridge Boat Club MA      | 21. <b>J Hallett (Age 74)</b><br>Riverside Boat Club MA        | 30. <b>G Scott Jr (Age 78)</b><br>Union Boat Club MA      |
| 4. <b>D Challinor (Age 69)</b><br>Potomac Boat Club DC    | 13. <b>A Fraiman (Age 63)</b><br>Florida Rowing Center FL   | 22. <b>F Prassel (Age 80)</b><br>New York Athletic Club NY     | 31. <b>P Webb (Age 60)</b><br>Hanlan Boat Club Canada     |
| 5. <b>J Riley (Age 67)</b><br>Winnipeg Rowing Club Canada | 14. <b>J Connors (Age 60)</b><br>Union Boat Club MA         | 23. <b>Z Block (Age 72)</b><br>Salisbury Boat Club CT          | 32. <b>S Ross (Age 60)</b><br>Sagamore Rowing Assn NY     |
| 6. <b>J Hubbard (Age 65)</b><br>Riverside Boat Club MA    | 15. <b>R Burke (Age 71)</b><br>Riverside Boat Club MA       | 24. <b>P Sprague (Age 64)</b><br>Nonesuch Oar & Paddle Club ME |   |
| 7. <b>T Sprague (Age 65)</b><br>Corning NY                | 16. <b>J Olrich (Age 76)</b><br>Cambridge Boat Club MA      | 25. <b>T Dowd (Age 60)</b><br>Fairmount Rowing Assn PA         | WOMEN   |
| 8. <b>R Duncan (Age 73)</b><br>Cambridge Boat Club MA     | 17. <b>P Curtiss (Age 69)</b><br>Cambridge Boat Club MA     | 26. <b>T Sherwood (Age 60)</b><br>Cambridge Boat Club MA       | 33. <b>K Loewy (Age 64)</b><br>Philadelphia Girls R C PA  |
| 9. <b>H Jans (Age 63)</b><br>Cambridge Boat Club MA       | 18. <b>F de Marneffe (Age 65)</b><br>Cambridge Boat Club MA | 27. <b>P Snodgrass (Age 61)</b><br>Indianapolis Boat Club IN   | 34. <b>G Zint (Age 72)</b><br>Edgewater FL                |
|   |   |  | 35. <b>E Bayer (Age 80)</b><br>Alden Ocean Shell Assn NH  |



# Rowers Talk About the

"I had a fantastic time! In the Senior Master's race I came in 50th out of 50! I could hear people on the bridges saying my name and 'She came all the way from Oak Ridge Tennessee' and there's no feeling like having people behind you. I had heard that there were 200,000 people at the Head of the Charles but I couldn't imagine how many that really was, nor that I would hear my name cheered again and again. If I ever have the chance, I would definitely do it again."

Lorena Absher - Coach, Oak Ridge High School, Tennessee,  
started rowing when she was 40.

"When you row through the Anderson/Weeks Bridge the first thing that strikes you is the noise from all the people. In no other rowing regatta in the world, not even the World Championships, are there so many people watching and so much cheering. It's like rowing into a stadium. It's the best high in the world."

Paul Fuchs - New York Athletic Club,  
course recordholder, Lightweight Single

"The row back to the boathouse is one of the greatest feelings I have ever known. You've done your best. All these people are waving and it feels like you're wearing the laurels. The great thing about the Head of the Charles is that everyone wears the laurels no matter how you place."

John Carlson - Community Rowing, Inc.

"You step off the plane Friday night from the West Coast—pick your oars out of baggage claim—see friends—Saturday you practice in your borrowed boat and try to remember the course—party—race *hard* Sunday while thousands of total strangers cheer you on—and linger saying good-byes so that you barely make your plane. It's the greatest adrenaline rush I know."

Peggy Johnston, lightweight gold medalist,  
'87 Pan Am Games

"The Head of the Charles is one of the greatest regattas that the US can show to the Europeans in terms of attendance and organization. It is truly one of the world's greatest regattas."

Dietrich Rose - Coach, Vesper Boat Club,  
'64 Olympic gold medalist, Men's eight



# Head-of-the-Charles®

*"I started off with an adrenalin-powered leg drive and a choppy stroke and that carried me well through the Boston University bridge. I had to master the fear of that invisible sculler starting well back in the pack."*

Anne Marden, '88 Olympic silver medalist,  
Women's Single Sculls

*"My favorite part is right before the start when I'm sitting in my boat among zillions of others, yelling greetings and insults to friends, and my heart is pounding..."*

Chris Ernst, '86 US Rowing Female Athlete of the Year

*"Sitting at the starting line and feeling the butterflies in my stomach worse than I had ever felt before. Luckily they flew away and the river flew behind."*

Andrew Porter - Connecticut College alumnus

*"When I came round the bend at Cambridge Boat Club, it seemed like every person there was cheering for me. There were more spectators at that bend than over the entire three mile course at our regatta, the Head of the Des Moines. I really needed it too. I knew that I was 120 strokes from the finish line and I was really hurting and it really helped me about the Head of the Charles is the starting area. You go up into the basin and the sheer number of boats is boggling. More than any I have ever seen in one place at one time."*

David Lynch - President,  
Des Moines Rowing Club, Iowa

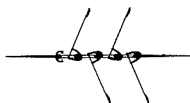
*"After the Cambridge Boat Club announced the first Head of the River race in the Western Hemisphere in 1965, they drew on their membership. An M.I.T. geophysics professor surveyed the course. A high tech executive devised a timing system. A curator of a trolley car museum was put in charge of medals and trophies. And a publisher put the entire resources of his newspaper at the disposal of the impending regatta."*

Jerry Olrich, Veteran sculler, Cambridge Boat Club



## 5. Youth Fours

10:30 am



Men's Record: 16:26.6 (Hanlan Boat Club, CAN 1984)  
Women's Record: 19:32.6 (Mendota Rowing Club, WI. 1984)

### MEN

1. US Naval Academy MD
2. Princeton University R A NJ
3. Brown University RI
4. Temple University PA
5. University of Wisconsin WI
6. St Catharines R C Canada
7. Buckingham Browne Nichols MA
8. Syracuse Chargers NY
9. Harvard University MA
10. Northfield Mount Hermon MA
11. Choate Rosemary Hall CT
12. Noble & Greenough School MA
13. Washington University Crew MO
14. La Salle College HS PA
15. Northeastern University MA
16. Potomac Boat Club DC
17. Mendota Rowing Club WI
18. Georgetown Univ Rowing Assn DC
19. Berkshire School R A MA
20. North Allegheny High School PA
21. Tabor Academy MA
22. Simsbury High School CT
23. Fredericton R C Canada
24. Stanford University Crew Club CA
25. Vassar College Crew Club NY
26. Yale University CT
27. US Merchant Marine Academy NY
28. Undine Barge Club PA
29. Fairmount Rowing Assn PA

30. Charles River Rowing Assn MA
31. Raritan Valley Rowing Assn NJ
32. Navesink River Rowing Club NJ
33. Skidmore College NY

### WOMEN

34. Northfield Mount Hermon MA
35. Winsor School MA
36. Fredericton R C Canada
37. Choate Rosemary Hall CT
38. Buckingham Browne Nichols MA
39. Tabor Academy MA
40. Simsbury High School CT
41. Mendota Rowing Club WI
42. Berkshire School R A MA
43. Vassar College Crew Club NY
44. North Allegheny High School PA
45. Noble & Greenough School MA
46. Groton School MA
47. Argonaut Rowing Club Canada
48. University of North Carolina NC
49. St Catharines R C Canada
50. Franklin & Marshall College PA
51. Princeton University R A NJ
52. Quinte Rowing Club Canada
53. West Side Rowing Club NY
54. Syracuse Chargers NY
55. US Merchant Marine Academy NY

## 6. Grand Master Singles

10:55 am



Men's Record: 21:01.35 (W. Reimann, Camb Boat Club, MA 1988)  
Women's Record: 28:59.45 (C. McGowan, NYAC 1988)

### MEN

1. **W Reimann**  
Cambridge Boat Club MA
2. **J McGowan**  
New York Athletic Club NY
3. **C Peterson**  
Cambridge Boat Club MA
4. **B Jones**  
Cambridge Boat Club MA
5. **G White**  
Winnipeg Rowing Club Canada
6. **T Swayze**  
Potomac Boat Club DC
7. **R Perkins**  
Riverside Boat Club MA
8. **R Green**  
Narragansett Boat Club RI
9. **A Laundon**  
Waterbury VT
10. **J Heiden**  
Mendota Rowing Club WI
11. **J ManGine**  
O.A.R.S. NY
12. **G Baines**  
Tampa Rowing Club FL
13. **L Cabot**  
Cambridge Boat Club MA
14. **G Bruneaux**  
Narragansett Boat Club RI
15. **B Marston**  
Tampa Rowing Club FL
16. **P de Manio**  
Tampa Rowing Club FL
17. **M Halpert**  
University Barge Club PA
18. **G Hately**  
Hanlan Boat Club Canada

19. **H Tuttle Jr**  
Guilford CT
20. **D Crosby**  
Union Boat Club MA
21. **F de Toledo**  
Cambridge Boat Club MA
22. **E Matthews Jr**  
New York Athletic Club NY
23. **S Redfield**  
Fairview NC
24. **R de Neufville**  
Cambridge Boat Club MA
25. **A Spindler**  
Davenport IA
26. **D Hodgdon**  
Albany NY
27. **S Neffeler**  
San Diego R C CA
28. **T Jesdale**  
Groton School MA

29. **T Allan**  
Undine Barge Club PA
30. **H Genrich**  
W Chicago IL
31. **B Berckmans**  
Miami FL
32. **D Richmond**  
Merrymeeting Rowing Club ME

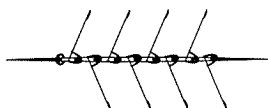
### WOMEN

33. **C McGowan**  
New York Athletic Club NY
34. **K Crawford**  
Perth West Australia
35. **S Nestor**  
Sagamore Rowing Assn NY



## 7. Youth Eights

11:30 am



Men's Record: 15:29.6 (Father Judge H.S. 1971)  
Women's Record: 17:32.4 (Yale Univ., 1986)

### MEN

1. Brown University RI
2. Yale University CT
3. Boston University MA
4. Northeastern University MA
5. University of Pennsylvania PA
6. College Boat Club PA
7. Harvard University MA
8. N.U.R.A. MA
9. Columbia University NY
10. Georgetown Univ Rowing Assn DC
11. Yale Old Fellows Rowing Assoc CT
12. Simsbury High School CT
13. La Salle College HS PA
14. Oakland Strokes CA
15. Father Judge High School PA

16. St John's High School MA
17. Buckingham Browne Nichols MA
18. Groton School MA
19. Tabor Academy MA
20. Worcester Poly Inst MA
21. Choate Rosemary Hall CT
22. Galway R C Ireland
23. Belmont Rowing Association MA
24. Quinte Rowing Club Canada
25. Peterborough R C Canada
26. US Merchant Marine Academy NY
27. Charles River Rowing Assn MA
28. Club D'Avron de Laval Canada

29. Fairmount Rowing Assn PA
30. Cornell University NY
31. Connecticut College R A CT
32. Onota Lake Rowing Club MA

### WOMEN

33. Cornell University NY
34. Radcliffe College MA
35. St Catharines R C Canada
36. College Boat Club PA
37. Yale University CT
38. Boston University MA
39. Simsbury High School CT
40. Mount Holyoke College MA
41. Morningside Rowing Assn NY

42. Worcester Poly Inst MA
43. Wesleyan University CT
44. Onota Lake Rowing Club MA
45. Simmons College MA
46. Winsor School MA
47. Club D'Avron de Laval Canada
48. Northeastern Univ Womens Crew MA
49. Buckingham Browne Nichols MA
50. Hanlan Boat Club Canada
51. Hanover Rowing Club NH
52. Peterborough R C Canada
53. Oakland Strokes CA
54. Tabor Academy MA
55. Washington University Crew MO

## 8. Senior Master Singles

12:00 noon



Men's Record: 18:34.3 (J. McGowan, NYAC 1984)  
Women's Record: 22:29.06 (M. Meyer, Austin R.C. TX 1987)

### MEN

1. B Spousta  
Potomac Boat Club DC
2. H Hamilton  
Cambridge Boat Club MA
3. J Dietz  
Thames River Sculls CT
4. J Bernfield  
University of Rochester NY
5. J Laundon  
Essex Rowing Club CT
6. D Vogel  
Yale University CT
7. E Van Dusen  
Concord Ma
8. R Lownes  
Narragansett Boat Club RI
9. A Moser  
Narragansett Boat Club RI
10. L Davis  
London Rowing Club Canada
11. F Southwick  
Undine Barge Club PA
12. L Dahmen  
Union Boat Club MA
13. R Baker  
W. Boylston Ma
14. C Hamilton  
Northfield Mount Hermon MA
15. J Lovett  
St Catharines R C Canada
16. F Momsen  
Stowe Vt
17. C van Buren  
Cambridge Boat Club MA
18. L Cass  
Weld Boat Club MA
19. D Jones  
Squamscott Scullers Ltd NH
20. W Folberth  
Yale Old Fellows Rowing Assoc CT
21. J Moak  
Aqueduct Rowing Club NY
22. L Harris  
Durham Boat Club NH
23. G Sciolla  
Malta Boat Club PA
24. W Bowles  
California Yacht Club CA
25. W Clapp  
Union Boat Club MA
26. C Haight  
Housatonic Rowing Assn CT
27. P Sutton  
Union Boat Club MA
28. E Offchiss  
Housatonic Rowing Assn CT
29. J Follet  
Mendota Rowing Club WI

30. J Hart  
Austin Rowing Club TX
31. N Sobin  
Little Rock AR
32. S Medina  
Austin Rowing Club TX
33. A Anderson  
Potomac Boat Club DC
34. A Cosby-Rossman  
Mt Madison Vol Ski Patrol MA
35. H Sears  
Union Boat Club MA
36. H Treffeisen  
Laval Quebec CN
37. C Ewen  
Scarsdale NY
38. W Melcher  
Riverside Boat Club MA
39. J Pierce  
Narragansett Boat Club RI
40. R Pascucci  
Saratoga Springs R C NY
41. C Viola  
Undine Barge Club PA
42. F Halsey  
Schenectady NY

43. C Sachs  
Needham Ma
44. B Heacox  
Tacoma Wa
45. J Barillier  
South Niagara Rowing Canada
46. K Sachar  
Riverside Boat Club MA
47. A Haight  
Lewiston Me

### WOMEN

48. M Meyer  
Austin Rowing Club TX
49. D Post  
Philadelphia Girls R C PA
50. B Green  
Narragansett Boat Club RI
51. C Anastasi  
Weld Boat Club MA
52. M Baer  
Minnesota Boat Club MN
53. M Mc Cormick  
Portland Rowing Club OR
54. B Cooke  
Cascadilla Boat Club Ltd NY
55. S Burns  
Dickerson Md





photos by: © M.L. Thomas '89

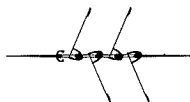






## 9. Lightweight Fours

12:30 pm



**Coleman Cup**  
**Men's Record:** 16:27.4 (M.I.T. Boat Club, MA 1984)  
**MDC Trophy**  
**Women's Record:** 18:49.9 (Lt.wt. Devel. Camp, 1986)

### MEN

1. Boston Rowing Center MA
2. MIT Boat Club MA
3. Queens Rowing Club Canada
4. Club D'Aviron de Laval Canada
5. Undine Barge Club PA
6. Craftsbury Sculling Center VT
7. Dartmouth Rowing Club NH
8. Potomac River Dev Center VA
9. Charles River Rowing Assn MA
10. Bowdoin College R A ME
11. Ohio State Univ Crew OH
12. Harvard University MA
13. Warren Rowing Club MA
14. Colby College ME
15. Tahoe Rowing Club NV
16. NY Maritime College NY
17. U of California Davis CA
18. Yale University CT
19. Santa Clara University CA
20. Duke University NC
21. Wharton Rowing Club PA
22. Washington University Crew MO
23. Minnesota Boat Club MN
24. Columbia University NY
25. Cornell University NY
26. South Niagara Rowing Canada
27. Oars of Rhode Island RI
28. Tufts University MA
29. Raritan Valley Rowing Assn NJ
30. Lafayette College PA

31. University of Chicago IL
32. Georgetown Univ Rowing Assn DC
33. Carnegie Mellon University PA
34. Housatonic Rowing Assn CT
35. Carnegie Lake Rowing Assn NJ

### WOMEN

36. U.S.A. National Team
37. Vesper Boat Club PA
38. Baltimore Rowing Club MD
39. Boston 'T' Club MA
40. Univ of Texas Women's Crew TX
41. Radcliffe College MA
42. Club D'Aviron de Montreal Canada
43. Potomac Boat Club DC
44. Lafayette College PA
45. Carnegie Mellon University PA
46. Queens Rowing Club Canada
47. St Catharines R C Canada
48. Smith College MA
49. Winsor School MA
50. Occoquan Boat Club VA
51. Oars of Rhode Island RI
52. Greater Columbus Rowing Assoc OH
53. C. D'Aviron Boucherville Canada
54. S.U.N.Y. Albany NY
55. St Andrews Rowing Club GA

## 10. Master Singles

1:00 pm



**Men's Record:** 18:16.9 (R. Spousta, Potomac B.C., D.C. 1984)  
**Women's Record:** 20:36.1 (N. Storrs, Vesper B.C., PA 1984)

### MEN

1. S Hathaway  
California Yacht Club CA
2. M Hindery  
Fairmount Rowing Assn PA
3. P Monckton  
Argonaut Rowing Club Canada
4. J Brisson  
New York Athletic Club NY
5. K Robinson  
Cambridge Boat Club MA
6. C Selden  
Baltimore Rowing Club MD
7. R Wettach  
Union Boat Club MA
8. R Sengstaken  
Merrimac River Rowing Assn MA
9. P Wilhelm  
Narragansett Boat Club RI
10. D Lynch  
Des Moines Rowing Club IA
11. A Bax  
Potomac Boat Club DC
12. J Bogaert  
Essex Rowing Club CT
13. M Totta  
Malta Boat Club PA
14. P Plimpton  
Cambridge Boat Club MA
15. W Donegan  
St Catharines R C Canada
16. C Sutton  
Univ of Massachusetts MA
17. R Cherwinski  
Leander Boat Club Canada
18. J Raymond  
Amoskeag Rowing Club NH
19. M Romanowsky  
Merrimac River Rowing Assn MA
20. N Cooke  
Riverside Boat Club MA
21. R Connelly  
Crescent Boat Club PA
22. M Levy  
Undine Barge Club PA
23. B Smith  
Belmont MA
24. J Bidigare  
Riverside Boat Club MA
25. R Foote  
Cambridge Boat Club MA
26. J Welinske  
Lincoln Park Boat Club IL
27. S Tremblay  
Dartmouth Rowing Club NH
28. M Mazurek  
Baltimore Rowing Club MD
29. M Beckenbach  
Jacksonville Rowing Club FL

30. J Ruhl  
Austin Rowing Club TX
31. J Ames Jr  
Riverside Boat Club Extra Entry
32. L Lee III  
Madison CT
33. N Findlay  
Lac St Joseph R C
34. H Stuart  
Cambridge Boat Club MA
35. R Blanchard  
Charter Oak Rowing Club CT
36. R Anderson  
Grand Rapids Rowing Club MI
37. M Erbe  
Potomac Boat Club DC
38. H Graves  
Cincinnati Rowing Club OH
39. R Evans  
Orlando Rowing Club FL
40. C Thrasher  
East Aurora NY
41. J Lynch  
Brewster NY
42. M Garnick  
Cambridge Boat Club MA
43. D Knecht  
Malta Boat Club PA

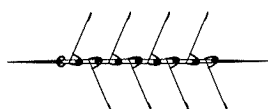
### WOMEN

44. G Wettach  
Union Boat Club MA
45. S Kenny  
Narragansett Boat Club RI
46. K Reith  
New Rochelle NY
47. S Mallett  
Vesper Boat Club PA
48. Z Horne  
Tideway Scullers England
49. S Dominski  
Potomac Boat Club DC
50. M Lane  
Riverside Boat Club MA
51. S Johnson  
Cambridge Boat Club MA
52. P Fitzpatrick  
Perth West Australia
53. J Strauss  
Worcester Poly Inst MA
54. M Cornelia  
O.A.R.S. NY
55. K Bishop  
Lowell MA
56. P Pinkerton  
Perth West Australia



## 11. Lightweight Eights

1:30 pm



### Boston Herald American Trophy

Men's Record: 14:48.4 (St. Catherine's R.C. CAN 1984)

### Boston Mayor's Trophy

Women's Record: 16:42.4 (Lt. wt. Devel. Camp, MA 1984)

#### MEN

1. St Catharines R C Canada
2. Harvard University MA
3. Yale University CT
4. Vesper Boat Club PA
5. Kingston Rowing Club Canada
6. Riverside Boat Club MA
7. Potomac Boat Club DC
8. Raritan Valley Rowing Assn NJ
9. Dartmouth Rowing Club NH
10. Yale Old Fellows Rowing Assoc CT
11. New York Athletic Club NY
12. Pioneer Valley Rowing Assn CT
13. Villanova University PA
14. Tufts University MA
15. Princeton University R A NJ
16. US Naval Academy MD
17. Univ of Rhode Island R A RI
18. Columbia University NY
19. US Coast Guard Academy CT
20. Charles River Rowing Assn MA
21. MIT Boat Club Extra Entry
22. Harbor City Rowing Club FL
23. Cornell University NY
24. Univ of Michigan Rowing Club MI
25. Motley Rowing Club CA
26. Marist College NY
27. Vancouver Rowing Club Canada
28. Hanover Rowing Club NH
29. Middlesex Western R C CA

#### WOMEN

41. St Catharines R C Canada
42. Minnesota Boat Club MN
43. Radcliffe College MA
44. Washington University Crew MO
45. Potomac Boat Club DC
46. Argonaut Rowing Club Canada
47. Williamstown Boat Club MA
48. Kingston Rowing Club Canada
49. St Joseph's University PA
50. C.A.R.A Canada
51. Empire State Rowing Assn NY
52. Mt Baker Rowing & Sailing WA
53. West Side Rowing Club NY
54. U.C.L.A. CA
55. Boston Rowing Center MA
56. University of Kansas Crew KS

## 12. Lightweight Singles

1:55 pm



### Arlett Trophy

Men's Record: 17:24.8 (P. Fuchs, Detroit B.C. 1984)

### Singer Trophy

Women's Record: 19:30.7 (A. Martin, Lt. wt. Devel. Camp MA 1984)

#### MEN

1. **P Fuchs**  
New York Athletic Club NY
2. **B Thorne**  
St Catharines R C Canada
3. **T O'Hara**  
Detroit Boat Club MI
4. **T Prince**  
St Catharines R C Canada
5. **R Dreher**  
Durham Boat Club NH
6. **W Phelps**  
Narragansett Boat Club RI
7. **C Engeman**  
Undine Barge Club PA
8. **T Green**  
Princeton University R A NJ
9. **C Schulten**  
Phillips Academy MA
10. **L Brown**  
London Rowing Club Canada
11. **J Lapum**  
Peterborough R C Canada
12. **C Seybolt**  
Undine Barge Club PA
13. **R Sheetz**  
Cambridge Boat Club MA
14. **F Goebel**  
Amsterdam Netherlands
15. **A Otten**  
Meppen Germany GR
16. **L Klecatsky**  
New York Athletic Club NY
17. **M Daemen**  
Club D'Aviron de Laval Canada
18. **N Norcross**  
Ithaca NY
19. **M Diefenbach**  
Vesper Boat Club PA
20. **R Lizée**  
Laval Quebec CN
21. **N Fitch**  
Durham Boat Club NH
22. **S Billinge**  
Undine Barge Club PA
23. **P Code**  
Argonaut Rowing Club Canada
24. **S Schmitt**  
Potomac Boat Club DC
25. **J Hartman**  
Detroit Boat Club MI
26. **M Lau**  
Laval Quebec CN
27. **S Breidbart**  
New York Athletic Club NY
28. **J Wilson**  
Upper Thames Rowing Club England
29. **K Bedell**  
Potomac Boat Club DC

30. **B Peaker**  
London Rowing Club Canada
31. **D Foley**  
Union Boat Club MA
32. **D Chan**  
Laval Quebec CN
33. **J Ferrell**  
Alexandria VA
34. **R White**  
Wakefield RI
35. **B Sweeney**  
Univ of Rhode Island R A RI
36. **E Kuhn**  
Riverside Boat Club MA
37. **R Tonnesen**  
University of Tampa FL
38. **P Wasielewski**  
Potomac Boat Club DC
39. **T Hernacki**  
Palm Beach Rowing Assn FL
40. **S Peterson**  
Narragansett Boat Club RI
41. **A Hanel**  
Waltham MA

#### WOMEN

42. **J Mainville**  
Longueuil Que CN

43. **N Streeter**  
Boston Rowing Center MA
44. **N Notman**  
Boston Rowing Center MA
45. **K Kuhlthou**  
Ann Arbor MI
46. **L Donohue**  
Weld Boat Club MA
47. **J Lown**  
Merrimack River Rowing Assn MA
48. **C Allen**  
Kings Crown Rowing Assn NY
49. **A Swiatek**  
Weld Boat Club MA
50. **C Parker**  
Warwick England UK
51. **J Hoogeveen**  
Lewiston ME
52. **C Salonites**  
California Yacht Club CA
53. **C Parker**  
Boston Rowing Center MA
54. **I Brown**  
South Hadley MA
55. **L Ritchie**  
Club D'Aviron de Laval Canada
56. **A Heath**  
Hanlan Boat Club Canada
57. **S Remmler**  
Cambridge



# Coxswain's Fright, Coxswain's Delight

The basin shimmers. Shells all akimbo, crazy costumes, familiar faces, flashing blades, the anticipation of the start, apprehension of collisions from all sides, watching for the bow numbers of the lineup. Ahh, the glorious buildup in the starting arena below BU. Another perfect day. Another growth ring on the venerable tree. Another quest for the perfect course up the Charles.

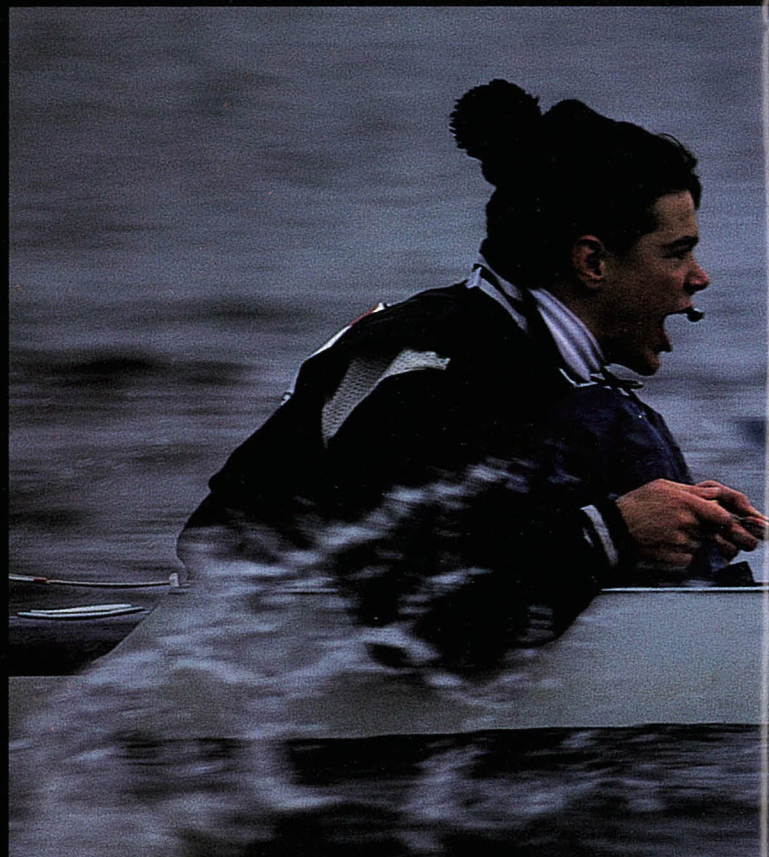
The Head of the Charles is one of the pinnacles of the art of racing for a helmsman. The race course is sinuous, through six substantial bridges, six varied and complex turns, and a plethora of medal-hungry competitors who will undoubtedly confound the best race plans. The course challenges competitive coxswains with a mandate: "The outcome of this race is in *your* hands."

The physical demands of the 3-mile race for the rowers is similar to other head-style races. However, for the coxswain, the Head of the Charles' drama segments into several vivid scenes. The coxswain makes hundreds of split-second decisions from the starting chute to BU bridge, arcing round the hubbub of Magazine Beach to the Powerhouse stretch, through Weeks and Larz Anderson bridges, into the long turn through Eliot Bridge and the final strokes to the finish.

Before the start, the basin scene is a mingling of serious warmup pieces in a partylike atmosphere. Costumes catch the eye. The heraldry of multi-colored blades and racing shirts rest idly or rocket by. We caution our crews to ignore others' intimidating displays. Banter in the boat abounds: style assessments and technique critiques.

Apprehensively I check the equipment—again—no loose bolts, rudder still there? My throat is dry, and a 3-mile race still to command. The marshalls call us to the line. I sight on the BU bridge. The pre-race psyche reaches a crescendo, power up, rate up, build it. Up to speed and through the starting gate. Open the throttle—but not too much until we're clear of the BU constriction. Run for the Magazine Beach buoy line. Watch for stray boats. Get the crew to settle into its groove.

"OK, here we go, build it long, think swing, establish the rhythm, let's have fun!"



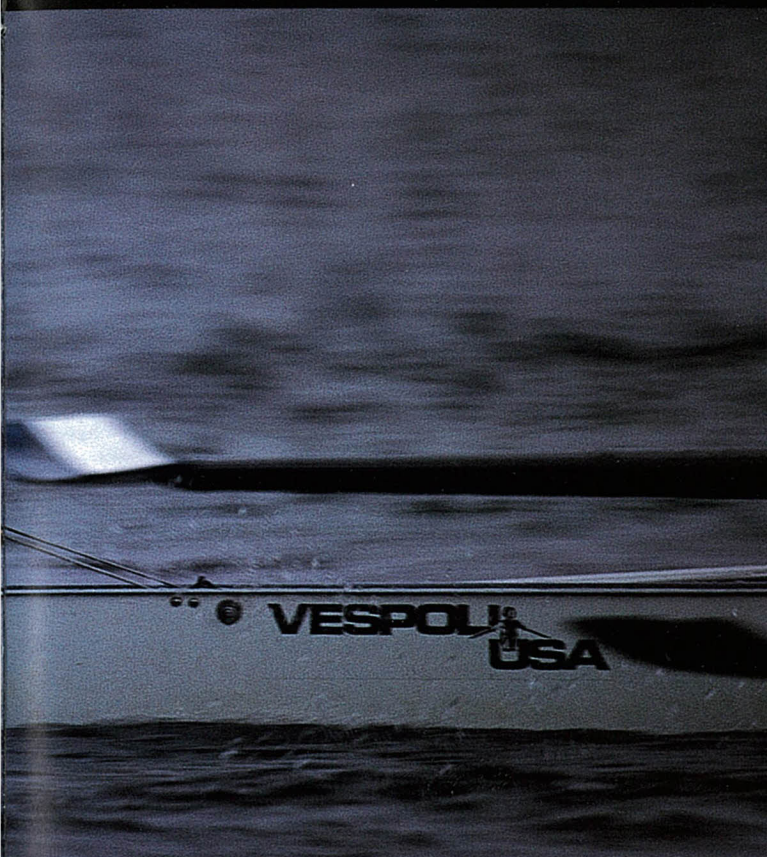
Inside or outside on the turn? Inside is shorter but there are rocks there, just below the surface. They can bite off a blade. Lots of noise from the Riverside docks and balconies.

The Powerhouse Stretch is a gallop to a joust. The crew is fresh and eager. The stretch itself is straight; the test is to race the immediate pack, trying to gain time and position for the crucial turn at Weeks footbridge. This sharp turn requires extra help from the oars of the starboard side for 3-5 strokes. In a clinch, the port side must power down. This is an exciting moment for the crews, the coxswains, and spectators alike. Viewers on the bridge can compare smooth and wobbly courses, and wager on imminent collisions. The thunder of the crowd spurs the racers on. The storm of the moment gathers power as coxswains exchange glares and jockey for position, barking at their crews to be the first through the bridge. This is a great place to be!



Text by Tom Tiffany, Donna Kirste, Anna Jones

PHOTOGRAPH BY D. DI CICCIO



Sometimes the flow of energy comes to a clashing halt. Coxswains have been known to miscalculate at Weeks. Whether it be overestimation of their own skill at threading the needle, or underestimation of the unbridled gall and speed of their nearest, most dangerous opponent—for whatever reason, there can be, there will be collisions. Low level encounters like a sweet, flirtatious kiss of a bowball against a stern rudder leave no mark nor do they impede speed. Medium level collisions entangle oars, riggers and tempers, stimulating suggestions about the origin of one's forebears. Soon enough, the crews separate—one fired up to regain lost ground, the other limping along. Worst of all are the colossal pileups. They are dangerous to extreme, with potential for cuts, bruises and serious wounding by shattered pieces of metal, wood, and graphite, the probability of collision is exacerbated by the collective lust

for speed, coupled with the fear of backing down in the heat of battle. No doubt about it, the index of rage becomes high in the course of a long-awaited, hotly contested race. When the close quarters action gets *very* close, the wise cox's duty is to help the crew. No one wins races by ramming other boats.

Beyond Weeks the clamor and exhortations continue unabated from both banks. This turn through Lars Anderson is tricky. "Clear the bridge, power ten to move." Stick to the Cambridge shore or the buoys will tempt you to a longer course. Now's the time to move out and pass, before the two-mile. Shave seconds and track straight to the two mile mark. "Let's walk on them...engine room, give me more!...Get ready, we're bringing the buoy line under our portside riggers."

As the crews enter the water of the third and final mile, fatigue dominates the rowers' experience. The cox must lift them to their task, with encouragement, power tens, and attention to timing and technique. A crew's rhythm and power will surge and fall in the skirmishes of the racing; the optimizing coxswain summons all the energy that is left in the muscles and channels it into an unwavering rhythm and swing. Swing is a unity involving the physical swing of the bodies with a mental state transcending pain. The whole becomes more than the sum of the parts. All crews strive for this exalted moment.

Eliot Bridge looms: a boneyard for shells. The stampede won't all fit at once.

Though the middle arch of Eliot is wide, the shortest course makes it a narrow keyhole. Lesser crews are starting to slow as better-conditioned crews are mounting their final charge on the time clock. The coolest cox needs every visual and motor neuron firing at high efficiency to navigate. Again, responsibility for lives and equipment calls for caution.

Clear of Eliot, now for the all out push in the last half mile. "Ten for the legs. Lift this boat. I feel it, good. Let's take this baby home...ON THIS ONE!"

(cont.)



Convention says to put the starboard blades in the tree branches at the last turn, but passing on the outside is still passing. In the final sprint, stroke rate is up. The coxswain has one remaining delicate duty to the crew: to tell them how many strokes are left. The crew cares very deeply about this specific number. Some overly hopeful coxswains gamble—and then must glumly hang on, imploring the spent crew to continue to sprint “just ten more”. The truth is that it’s hard to tell how many strokes *were* left until after you’ve committed yourself to the call, and counted them.

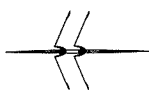
“Almost there!...Eight...stay together...nine...you’ve got it...ten...PADDLE...Keep moving. Nice race. Let’s keep it moving.”

Heading home, downstream, is a wonderfully relaxed time for coxswain and the crew. The trial is over, that is certain. The results come later. Now the paddle home and people-watching in earnest. Leaves dapple the water’s surface. Scullers stride past in the next race. Anecdotes ripple up and down the boat. The quest is completed. Today’s dramas add to tomorrow’s stories. Another ring on the tree.



## 13. Championship Doubles

2:25 pm



### Cromwell Trophy

Men's Record: 16:24 (Hvd & Radcliffe Univ., MA 1984)

### Swayze Trophy

Women's Record: 18:19.9 (Victoria City, B.C., CAN 1984)

#### MEN

1. Yale Old Fellows Rowing Assoc CT
2. Malta Boat Club PA
3. Union Boat Club MA
4. Belmont Rowing Association MA
5. Craftsbury Sculling Center VT
6. New York Athletic Club NY
7. Fredericton R C Canada
8. Durham Boat Club NH
9. Undine Barge Club PA
10. Narragansett Boat Club RI
11. Don Rowing Club Canada
12. Newport Aquatic Center CA
13. University Barge Club PA
14. Detroit Boat Club MI
15. Ridley Graduate B C Canada

16. Thames Rowing Club England
17. Riverside Boat Club MA
18. Cambridge Boat Club MA
19. Oneida Boat Club NJ
20. Lehigh Valley Rowing Assn PA
21. Rude and Smooth Boat Club NY
22. New Haven Rowing Club CT
23. Wide Load Boat Club ME
24. Northstar Rowing Club Canada
25. Yankee Rowing Club MA
26. Bachelor's Barge Club PA
27. Cuyahoga Rowing Assn OH
28. Atlanta Rowing Club GA
29. Thames River Sculls CT

30. Glasgow University R C
31. San Diego R C CA
32. Quinte Rowing Club Canada
33. Baltimore Rowing Club MD
34. Stourport Boat Club UK
35. Rocky Mountain Rowing Club CO
36. Housatonic Rowing Assn CT
37. Alte Achter Boat Club MA
38. Palm Beach Rowing Assn FL
39. Chelsea Rowing Club NY

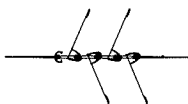
43. Riverside Boat Club MA
44. Philadelphia Girls R C PA
45. Minnesota Boat Club MN
46. Schuylkill Navy PA
47. A.S. Corbeil France
48. Bachelor's Barge Club PA
49. Motley Rowing Club CA
50. Rollins College R A FL
51. Tahoe Rowing Club NV
52. Fredericton R C Canada
53. Lehigh Valley Rowing Assn PA
54. 1980 Rowing Club MA
55. Augusta Rowing Club GA
56. Yankee Rowing Club MA

#### WOMEN

40. Vesper Boat Club PA
41. Club D'Avron de Laval Canada
42. Newport Aquatic Center CA

## 14. Championship Fours

2:55 pm



### Circle of Sports Trophy

Men's Record: 15:39.9 (Vesper B.C., PA 1984)

### Charles River Trophy

Women's Record: 17:59.4 (St. Catherine's R.C. CAN 1983)

#### MEN

1. Charles River Rowing Assn MA
2. Princeton University R A NJ
3. Penn A C Rowing Assn PA
4. University of Wisconsin WI
5. Bulldog Rowing Club PA
6. New York Athletic Club NY
7. Cambridge Boat Club MA
8. Connecticut College R A CT
9. Palm Beach Rowing Assn FL
10. Milwaukee Rowing Club Inc WI
11. USRA
12. Northeastern University MA
13. University of Pennsylvania PA
14. Power Ten of New York NY
15. Club D'Avron de Montreal Canada

16. US Military Academy NY
17. MIT Boat Club MA
18. University Barge Club PA
19. Univ of Michigan Rowing Club MI
20. Tulane University LA
21. Rude and Smooth Boat Club NY
22. Boston Rowing Center MA
23. O.A.R.S. NY
24. Stanford University Crew Club CA
25. Station L Rowing Club OR
26. Fairmount Rowing Assn PA
27. Stanford Rowing Club CA
28. Farmington Valley R A CT
29. Empire State Regatta NY

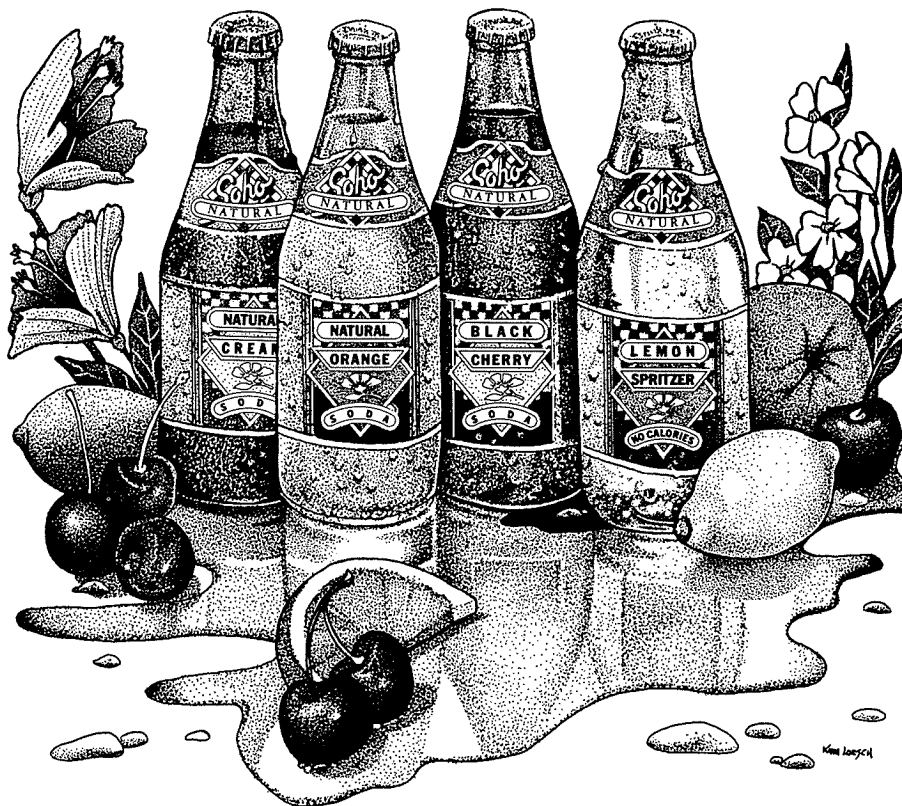
30. Yale Old Fellows Rowing Assoc CT
31. Occoquan Boat Club VA
32. Detroit Boat Club MI

#### WOMEN

33. Amoskeag Rowing Club NH
34. Boston Rowing Center MA
35. Peterborough R C Canada
36. Kings Crown Rowing Assn NY
37. Radcliffe College MA
38. Simmons College MA
39. Carnegie Lake Rowing Assn NJ
40. Housatonic Rowing Assn CT
41. Franklin & Marshall College PA
42. Brown University RI

43. Northeastern Univ Womens Crew MA
44. Riverside Boat Club MA
45. University of Wisconsin WI
46. Mount Holyoke College MA
47. Seattle Rowing Club WA
48. Johns Hopkins University MD
49. Mills Cyclone Crew CA
50. U.C.L.A. CA
51. Dartmouth Rowing Club NH
52. Miami Rowing Club FL
53. Vancouver Rowing Club Canada
54. Lakeside School MA
55. Hanlan Boat Club Canada





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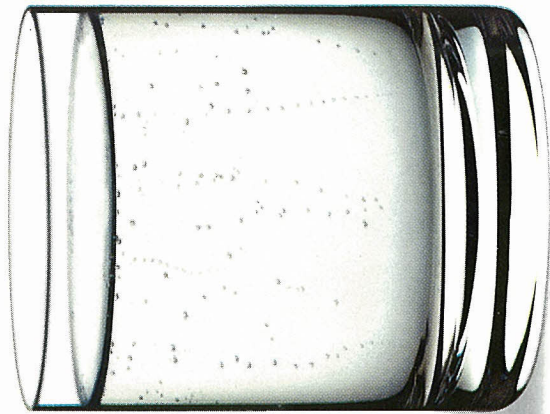


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# The Anatomy of a Rowing Shell

*Text by Anna Jones*

PHOTOGRAPHS BY M.L. THOMAS

Surely every rower gets this flash once in his life, during some fantastically long and tedious workout. They conjure up the image of the Viking slave ship, with rowers chained to their seats and the bullwhip cracking by their ears as they rowed all day long, day in and day out. The ship is heavily timbered, the effort to move it is overwhelming.

Racing shell design has come a long way since then. There have been several critical decisions: no overnight berths, no provisions or cargo, virtually no sideways maneuverability. But there are practically no rules regulating their construction. The declared goal is to get from the starting line to a relatively nearby finish line as fast as possible. The result is these sleek, light airfoils that glide along propelled by sweating people pulling on long shafts with colorful blades attached.

Here are some bare facts. Shells race at speeds varying from 10 to 13 miles per hour. An eight is just a bit more than 60 feet in length, and weighs between 210 to 250 pounds. A single scull is 26+ feet long, weighs 26+ pounds, and they are conspicuously narrower than an adult's hips. Needless to say, instability is inherent and keeping these boats balanced (and upright) is tricky, taking months to learn and years to perfect.

What makes a boat fast? Unlike an item like the wheel, the jury is still out about the perfect shape of a rowing shell. Boatbuilders employ all sorts of naval architectural applications, airfoil design, computer analysis, and model testing in sophisticated measuring tanks and many designs are currently being tried and tested.

Applying high school physics, boats could glide forever on one stroke if were it not for friction. Two factors offer resistance to a boat: the amount of turbulence or wave that the boat creates, and the amount of wetted surface area over the hull. Reducing these, and weight, lessens the amount of drag. Another important feature in a boat is stiffness, because hopefully all energy goes into propelling the boat instead of bending it.

The boat has many parts. Some of them quite fragile, others quite sturdy. It is worthwhile to know which is which. For instance, the first thing one learns about shells is that you can't step into the bottom of it. The internal structure is sturdy and carries the weight but the skin of the boat is thin. It keeps the water out, and has general

stiffening characteristics. (See principle 3 above.) People get into a boat by stepping onto the internal framework at a marked place.

The rowers then sit on a seat that rolls along tracks on wheels. The seat has two very important holes or depressions to accommodate the *derriere* comfortably. Rowers actually tie their feet into shoes that are affixed to the boat (and can be adjusted according to the height/inseam of the rower.)

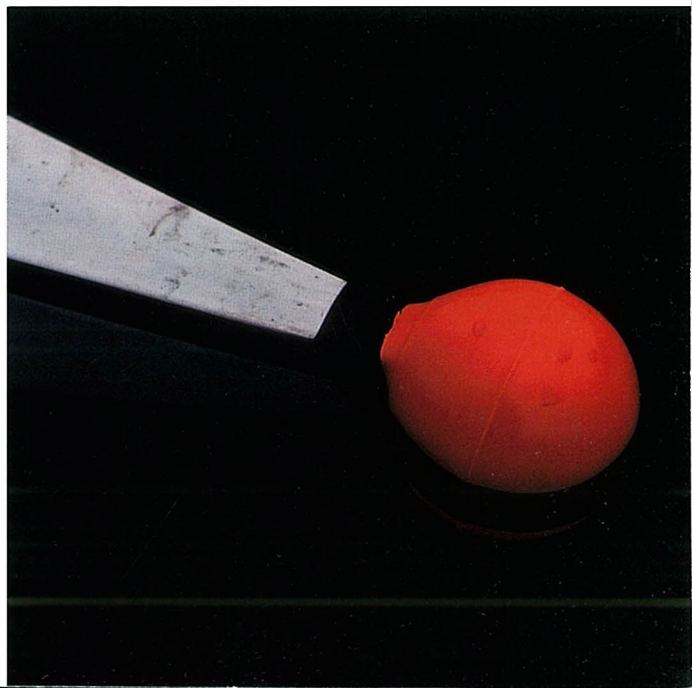
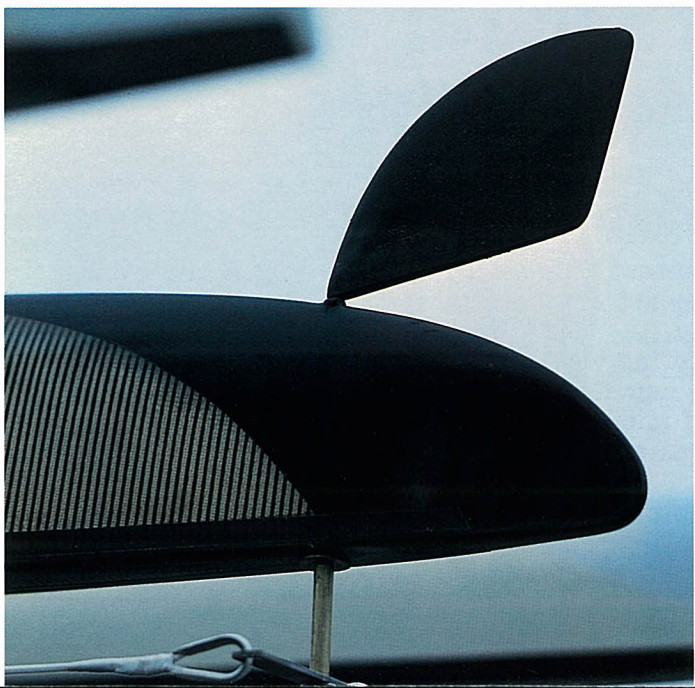
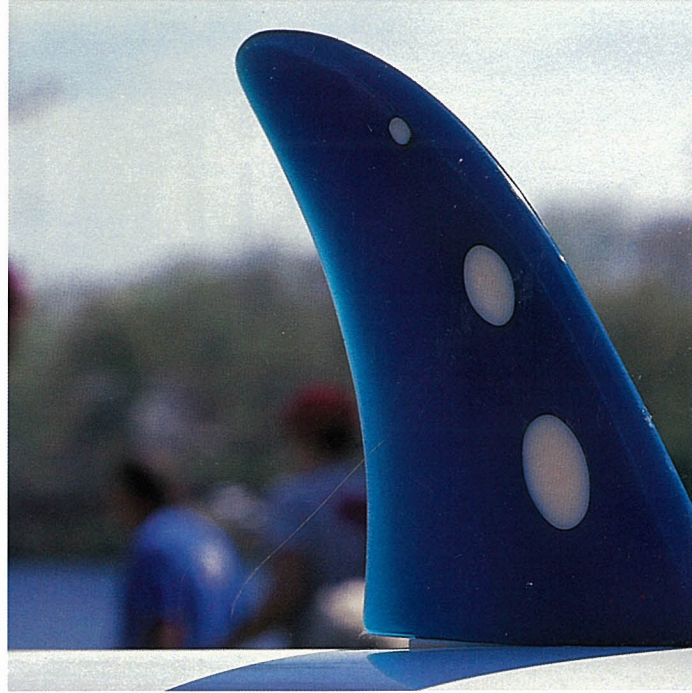
The rigger (or outrigger) hangs off of the side of the boat. This is a sturdy piece, since all the power of the rower is transferred through this gismo. These vary a lot in design. These have multiple adjustments which directly affect how the oar travels through the water. They are: spread, inboard pitch and outboard pitch. All these adjustments are measured to the centimeter/inch or the degree. Unlike a carpenter and his tools, a rower can actually blame their misery or poor performance on these factors. Ask a coach whether rigging is a science or an art. One thing is for sure: the first time you attempt to rig becomes a three-ring circus, since even one minute adjustment affects the others.

People have different preferences of wood or fiberglass composite boats. Wood is unquestionable the most aesthetically pleasing of the two. Fiberglass boats may require less maintenance. The stiffness and durability of either material is debated. Two stories. Once someone said to one boatbuilder that his wooden boats were beautiful to look at, but too bad they weren't as stiff as fiberglass boats. The boatbuilder responded by looking over at one of his boats that was suspended on only two slings in the boathouse. He climbed into the boat. It didn't budge. In another case a woman was driving her fiberglass single to a regatta and it literally flew off of her car at 70 m.p.h. and bounced on the highway. In all, there was only a 1½ inch rip on an insignificant part of the splashguard. She raced. It is not recommended that anyone try to reproduce either of these two feats.

To top it off, each boat must have a bowball, for safety reasons. It may not seem like much, but the threat of impaling can be pretty severe. They also help officials to see when boats are lined up at the start of races.

The last basic design improvement was introduced in 1885 when the sliding seat replaced greased pants. A sliding rigger was developed and rejected. In the last Olympics, two new eight designs were tried by US boatbuilders, and more are being refined. Such is the meshing of the art and technology of this sport of rowing, so as you watch 850 examples pass you by today, consider that this grand sport continues to evolve.







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# When you're racing to Fastnet Rock, you better have your eyes glued on the sea. And your feet glued on the deck.

There's a stretch of the Irish Sea between Plymouth, England and the Southern tip of Ireland that has been the scene of some of the fiercest sailing competition in the past 30 years.



Dennis Conner—veteran, of Britain's Fastnet Race.

But before you toy with actually entering Britain's classic Fastnet Race, consider that this has also been the scene of some of the fiercest weather in the past 30 years. Dennis Conner described the 1979 Fastnet

as, "...worse than I had ever seen; 40-foot waves hitting us beam-on, threatening to roll us over."

Now, if you trust your seamanship enough to take on the whims of the Irish Sea, there's some things you should bring. And since one of the prerequisites for navigating a 35-foot yacht is that you have to be on it, the first thing you need is the right shoes.

The Sperry Top-Sider® U.S. 12™ Series.

"They're the best shoes you can buy—the special soles will keep you on your feet on the wettest, pitching deck," says Conner, adding with

The Sperry Top-Sider U.S. 12 Series that legend Dennis Conner wears has this unique and revolutionary sole design:

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a smile, "so you'll have a great view when all hell breaks loose."

You'd also better have a trained weather eye. Because the English/Irish land masses, the Atlantic's natural wavemaking process and any low-pressure system can cause gales to explode without warning. At which point you'll want to plant your Sperry Top-Sider® shoes—and cross your fingers.

"If you wallowed," Conner remembers, "you were at the mercy of the waves." (Even though

Dennis didn't wallow, *Williwaw* still dented her grooved headstay feeder during a broach and was unable to set a headsail after she rounded the Rock.)

If you're still convinced you want to test yourself on

the Irish Sea, take one last piece of advice from Dennis Conner: "You'd better have an awful lot of ocean-racing experience.

"And," he winks, 'a little bit of Irish luck."



In this stretch of the Irish Sea, gales can explode without any warning.

By the end of the gale-swept 1979 Fastnet, boats were huddled in harbors for safety.



QUALITY BORN AT SEA



# 15. Championship Singles

3:25 pm



**Curtis Trophy**  
**Men's Record: 17:29.8 (J. Biglow, Yale Univ. 1982)**  
**Cambridge Boat Club Trophy**  
**Women's Record: 18:45.6 (V. Gilder, Boston R.C. 1982)**

## MEN

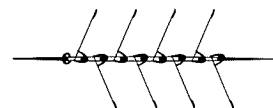
1. **A Sudduth**  
Boston Rowing Center MA
2. **G Walker**  
Detroit Boat Club MI
3. **D Brisson**  
Cincinnati Rowing Club OH
4. **G Henry**  
London Rowing Club Canada
5. **S Stevens**  
Narragansett Boat Club RI
6. **J McGowan**  
Riverside Boat Club MA
7. **M Richardson-Bach**  
Riverside Boat Club MA
8. **A Santry**  
Greenwich CT
9. **J Younger**  
Notre Dame Rowing Club IN
10. **W Castle**  
Thames River Sculls CT
11. **R Lesnau**  
Atlanta Rowing Club GA
12. **W Geihe**  
Syracuse Chargers NY
13. **J Murphy**  
St Catharines R C Canada
14. **J Buczkowski**  
Riverside Boat Club MA
15. **J Yuri**  
Parnu Estonia Soviet Union
16. **J Moulton**  
Boston Rowing Center MA
17. **J Lewis**  
Undine Barge Club PA
18. **M Benvenuti**  
Concord NH
19. **J Albritton**  
Vanderbilt Boat Club AL
20. **R Ricci**  
Craftsbury Sculling Center VT
21. **F Rowe**  
Undine Barge Club PA
22. **K Murphy**  
New York Athletic Club NY
23. **S Randall**  
Winnipeg Rowing Club Canada
24. **B Crawford**  
Thames Rowing Club England
25. **R Ruane**  
Riverside Boat Club MA
26. **D Gleeson**  
Malta Boat Club PA
27. **E Bell**  
Merrymeeting Rowing Club ME
28. **D Boyes**  
St Catharines R C Canada
29. **W McGowan Jr**  
Lowell MA

## WOMEN

30. **A Marden**  
Thames Tradesmens R C England
31. **K Karlson**  
Weston CT
32. **G Weimer**  
West Side Rowing Club NY
33. **S Eddy**  
Boston Rowing Center MA
34. **S Tietjen**  
Philadelphia PA
35. **M Hoyle**  
Riverside Boat Club MA
36. **A Pohlmann**  
Narragansett Boat Club RI
37. **A Mayer**  
Riverside Boat Club MA
38. **M Grossel**  
Boston Rowing Center MA
39. **L Ritter**  
Buckingham Browne Nichols MA
40. **E Kennelly**  
Cambridge MA
41. **A Cutler**  
Bachelor's Barge Club PA
42. **E Lipa**  
Bucharest Romania
43. **K Sarlos**  
Budapest Hungary
44. **R Defaum**  
Gent Belgium
45. **L Vermalst**  
Utrecht Netherlands
46. **T Jordache**  
Hammersmith GB
47. **A Townley**  
Boston Rowing Center MA
48. **L Peck**  
Vesper Boat Club PA
49. **C Ernst**  
Dorchester MA
50. **S Stewart**  
Perth West Australia
51. **D Knoblock**  
Stanford Rowing Club CA
52. **M Knox**  
George Washington Univ DC
53. **D Deluca**  
Vesper Boat Club PA
54. **I Montesi**  
Boston Rowing Center MA
55. **M Tietjen**  
Philadelphia PA
56. **B Kirch**  
Dartmouth Rowing Club NH
57. **W Tobiasson**  
Cambridge MA
58. **M Mazzio**  
Boston Rowing Center MA
59. **L Kunze**  
Riverside Boat Club

# 16. Championship Eights

4:00 pm



**Boston Globe Trophy**  
**Men's Record: 14:24.2 (U.S. Naval Academy, MD 1982)**  
**Governor's Cup**  
**Women's Record: 16:16.1 (1980 Rowing Club, MA 1982)**

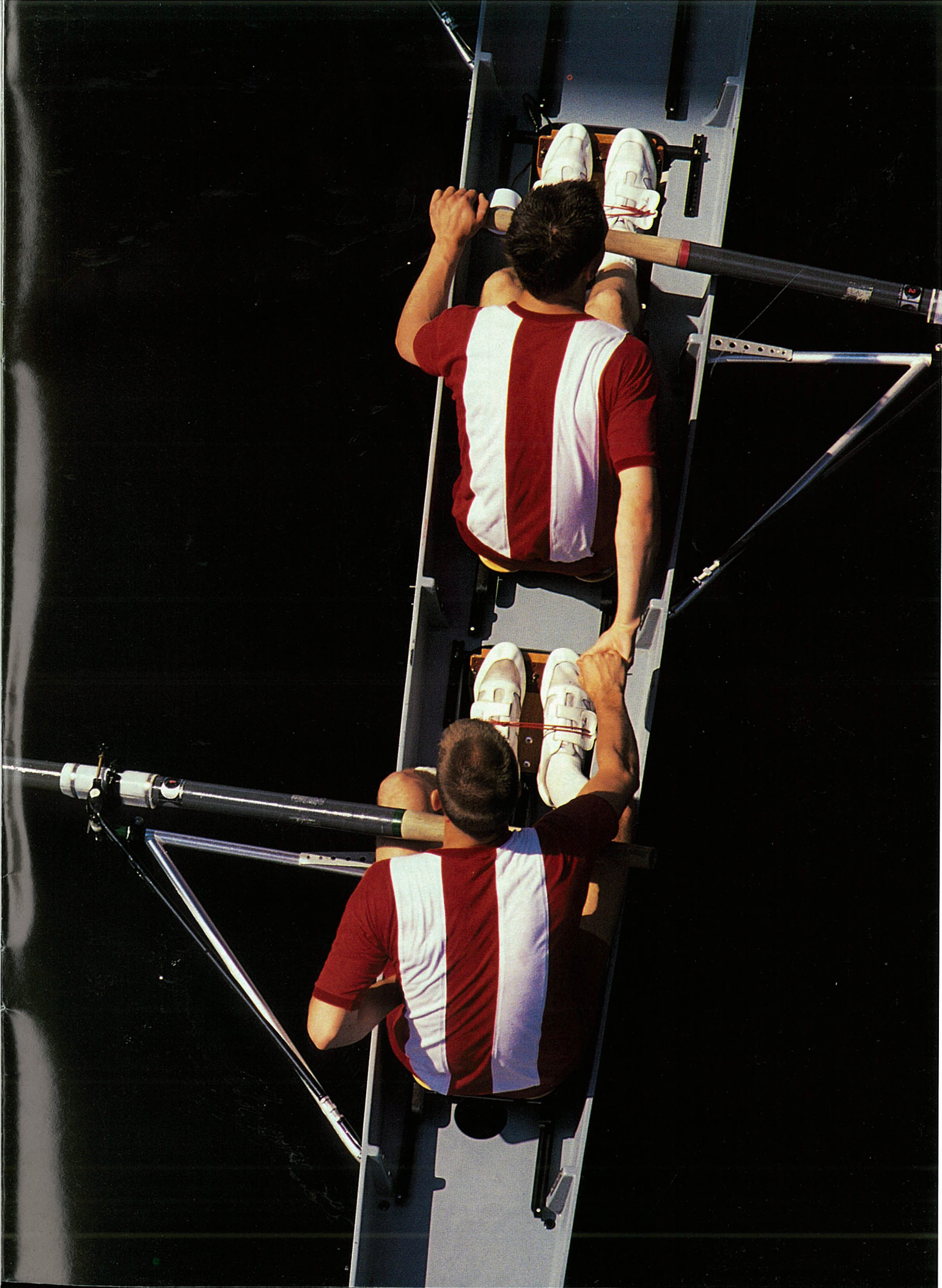
## MEN

1. **Penn A C Rowing Assn PA**
2. **Harvard University MA**
3. **US Naval Academy MD**
4. **Northeastern University MA**
5. **University of Wisconsin WI**
6. **University of Pennsylvania PA**
7. **1980 Rowing Club MA**
8. **US Coast Guard Academy CT**
9. **Columbia University NY**
10. **Bulldog Rowing Club PA**
11. **Rutgers University NJ**
12. **U of California Berkley CA**
13. **Williams College Boat Club MA**
14. **Boston University MA**
15. **Vesper Boat Club PA**
16. **McGill University R C Canada**
17. **Alte Achter Boat Club MA**
18. **Trinity College CT**
19. **St Catharines R C Canada**
20. **Cornell University NY**
21. **Nottingham County R A England**
22. **Peterborough R C Canada**
23. **University of Washington WA**
24. **Vncouver Rowing Club Canada**
25. **Yale University CT**
26. **Tideway Scullers England**
27. **Temple University PA**
28. **Brown University RI**
29. **Harvard Business School B C MA**
30. **Middlesex Western R C CA**

## WOMEN

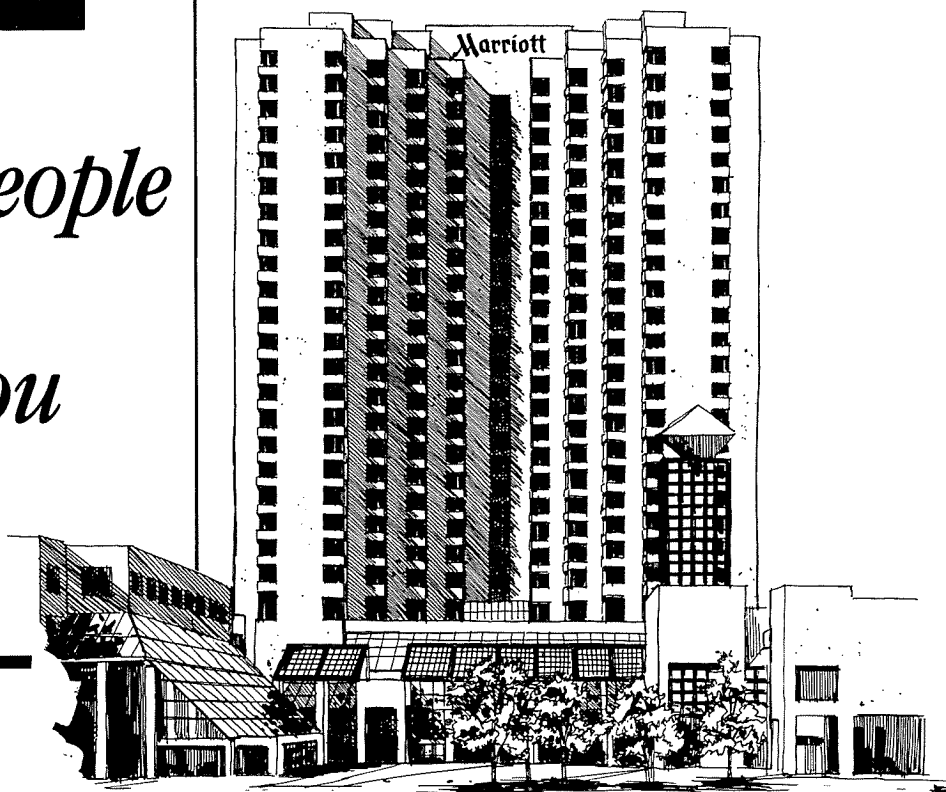
31. **University of Wisconsin WI**
32. **1980 Rowing Club MA**
33. **Boston Rowing Center MA**
34. **Radcliffe College MA**
35. **Yale University CT**
36. **Brown University RI**
37. **College Boat Club PA**
38. **Cornell University NY**
39. **Boston University MA**
40. **Wellesley College MA**
41. **Syracuse University NY**
42. **Williamstown Boat Club MA**
43. **Pioneer Valley Rowing Assn CT**
44. **Smith College MA**
45. **Mount Holyoke College MA**
46. **Northeastern Univ Womens Crew MA**
47. **Tideway Scullers England**
48. **Princeton University R A NJ**
49. **Univ of New Hampshire NH**
50. **Univ of Massachusetts MA**
51. **US Naval Academy MD**
52. **Tufts University MA**
53. **Raritan Valley Rowing Assn NJ**
54. **Connecticut College R A CT**
55. **Morningside Rowing Assn NY**







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