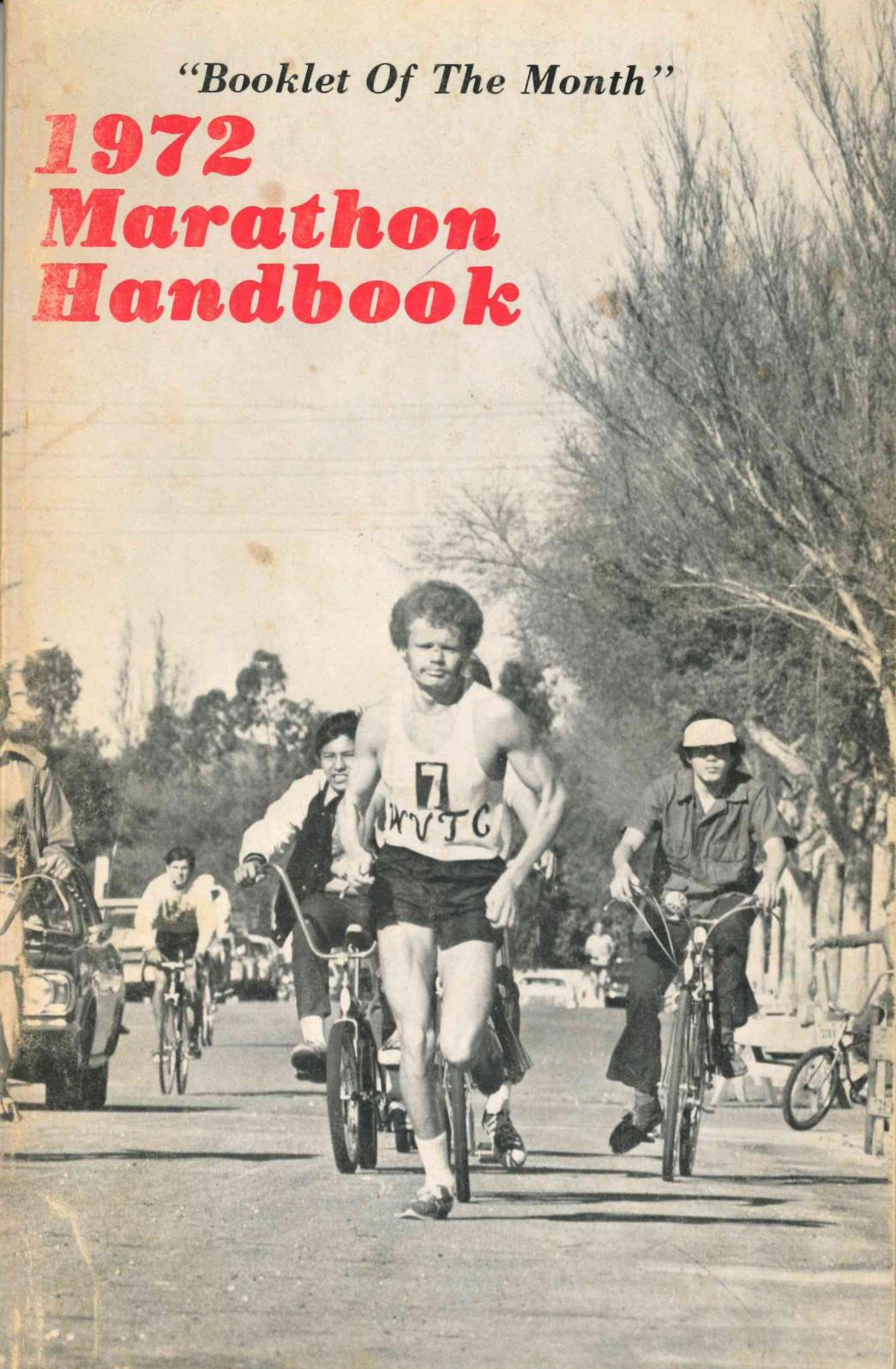


*"Booklet Of The Month"*

# **1972 Marathon Handbook**



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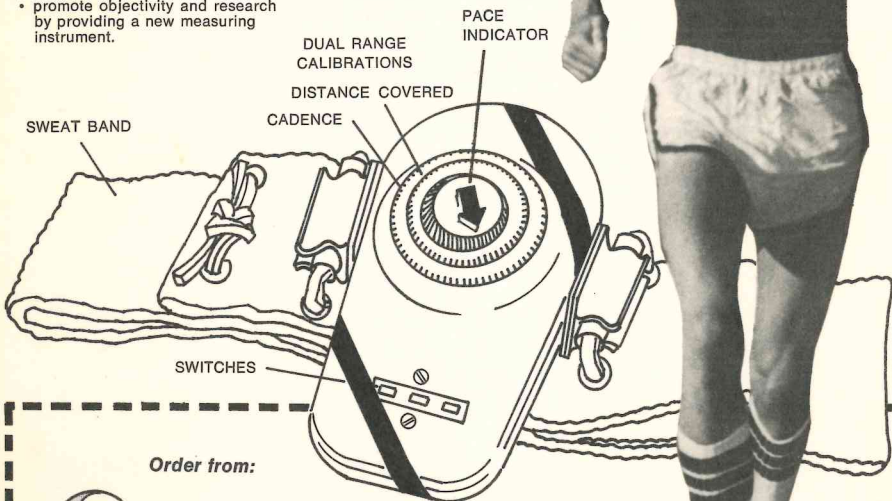
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*Runner's World*  
*"Booklet Of The Month" No. 7*

JANUARY, 1972

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**1972 Marathon  
Handbook**

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**COVER PHOTO:** Olympic fever heated up in 1971, and Bill Scobey was one of those afflicted. His 2:15:21 marathon was the fastest run inside the US during the year. (Donald Duke photo)

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## FOREWORD

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Marathon running has grown, and will keep growing. Simply looking at the list of more than 100 races scheduled for 1972, or reviewing the list of 1000 Americans who broke three hours in the year just ended tells as much. Marathoning is big, and getting bigger.

This third annual *Handbook* reflects the growth. We had to boost the number of pages by 32 to fit the sport's new size. Two-thirds of the states in the United States now have marathons. Most of these races are still growing despite increased competition for available runners. Most significantly perhaps, the marathon is now — more than ever before — a respected event at all levels.

Two trends surfaced in 1971. More of the very best trackmen were stepping up to marathoning. Frank Shorter, Mike Manley and Jerome Liebenberg — to name a few — joined Kenny Moore and Jack Bachelier on the roads. And the colleges and high schools threw more of their considerable promotional power behind the long race. The year's list is dotted with students and at least a quarter of the year's races had college or high school coaches as directors. With the marathon set to become a national collegiate championship event in 1972, interest at this level should boom.

The AAU is also finding the women harder to ignore. Despite explicit rulings against women running with men and at distances above 10 miles, more the 100 US ladies finished marathons in 1971. Four of them broke three hours.

As we said, the sport is growing in all directions and the *Handbook* has grown with it. They will keep growing. But maybe now is a good time to remove the emphasis from growth for "bigness" sake and concentrate on "maturing" the marathon. Attention should be given not only to promoting more and bigger races, but to making them *better*: certifying all courses, stressing runner safety and comfort, recording and reporting results quickly and accurately.

Maturity also means holding firmly to values that have become traditional in the sport — such as open, fully integrated competition — and recognizing marathoning's place in the total running perspective.

Mick Hamlin, an Englishman who traveled and raced extensively in the US last year, has written: "I personally think there are too many marathons promoted in the US. . . Okay, I know it's the classic distance—Olympics, romance, drama and all that stuff. But don't forget the discomfort involved as well. A few more 10s and 15s would be a better idea. You don't get good at the marathon by running nothing but marathons."

No doubt the marathon has been overemphasized, and we're not the least to blame for this. Not that there's anything wrong with the marathon as such. But as Hamlin says, many Americans race too many of them. With so many races available, it's tempting to race one a month — or more. There were

several instances last year of marathoners running 10 or more, often competing at this distance on two or more weekends in succession.

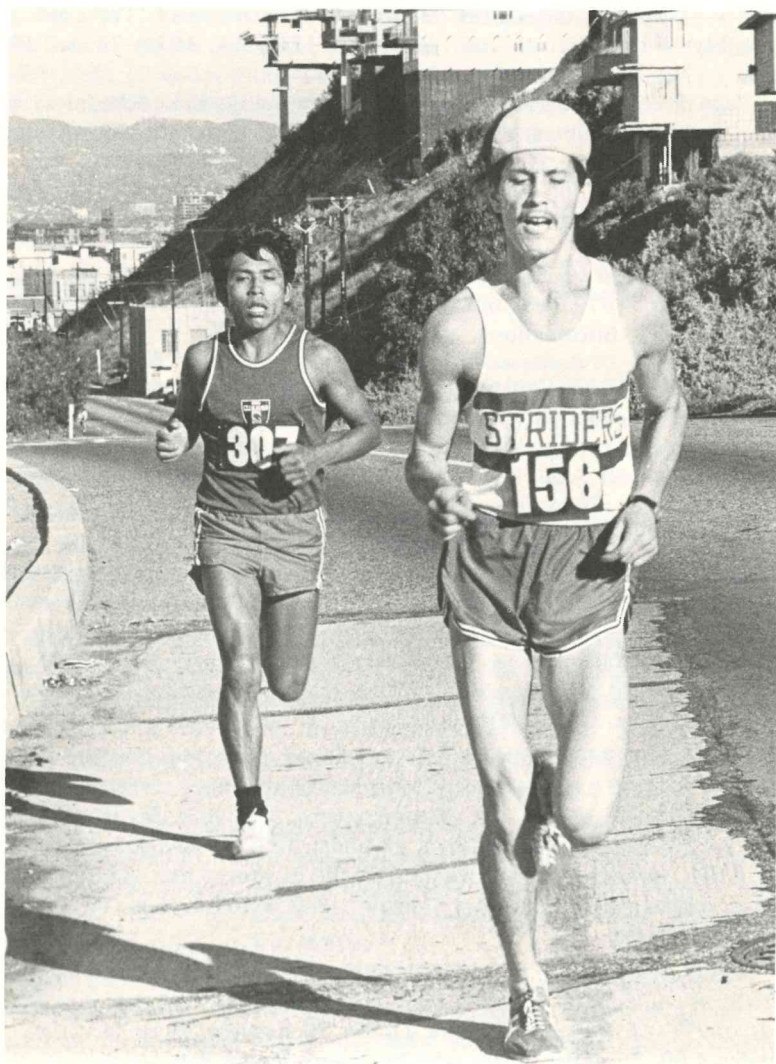
The marathon can't and shouldn't stand in isolation. It is merely one point – the focal point, perhaps, but still just a single point – on an entire spectrum of long distances that runs from 10,000 meters or less to 100 miles or more. The other distances haven't gotten their fair share of attention, therefore they haven't gotten their share of races and participation.

We're trying to correct our monomania with the marathon somewhat by expanding the scope of this *Handbook*. We haven't gone so far as to change the name, because the marathon still is the central theme. But we have expanded to take in other distances on the long distance scale. We're giving small sections to the "in-between" distances (between the track events and the marathon) that are important both as marathon preparation and on their own merits. (Who's to say a 60-minute 10-mile or a two-hour 30-kilometer isn't as valuable and significant as a three-hour marathon?) And we're including material on the ultra-marathons, for runners who want longer and tougher challenges. Finally, there's a 24-hour relay segment. *Runner's World* established this race 18 months ago as something of a lark. It found a receptive audience, and over 2000 runners have tried it.

Rounding up information on a sport as big, far-flung, fast-changing and loosely-organized as long distance running is always tough. Runners, race directors and correspondents helped immensely on this booklet. But there are bound to be revisions as the year goes on. *Runner's World* and *Racing Report* will alert you to current information. (Address any additions or corrections to *Runner's World*, P.O. Box 366, Mountain View, Calif. 94040, or call (415) 969-9700.

## Chapter One

# *Marathons and Marathoners*



These runners are part of the fastest US race of the year as they race near the beach at Culver City, Calif. (Stan Pantovic photo)

# 1972 MARATHON CALENDAR

One-hundred one races are scheduled for 1972; 102 were run in 1971. Does this mean marathoning has hit a plateau? Not exactly. Many scheduled races are new ones, replacing casualties. And a lot more fresh ones will pop up during the year. Last year for instance, there were about a dozen that weren't listed in the "Calendar."

The growth rate the last few years has been encouraging. These are the numbers of races actually run: 1968—38; 1969—44; 1970—73, and 1971—102.

Race directors themselves supplied information for these schedules. With some of their events almost a year away, some of the data naturally is tentative. A few dates are missing. If you're planning to enter on of these races, it's best that you contact the director in advance for the latest details. Runner's World and Racing Report also will publish additions and corrections to this list regularly.

We realize that you'll be getting this booklet too late to help you much with the January 1972 races, but keep it handy so you can write to the director early for 1973 information.

**ALL-AMERICAN (2nd annual), Pittsburgh, Pennsylvania (South Park), early September (exact date not established)**—Course: out-and-back, one steep hill 1½ blocks long; record 2:46:18.6 (Don Slusser '71); 1971 race: 23 finished, 3 under 3:00, 9 under 3:30, 19 under 4:00; won by Don Slusser 2:46:18.6. Entry fee: \$2.00; four-hour time limit. Contact: C.A. Herman, 5001 Lougean Ave., Pittsburgh, Pa. 15207.

**ALL-COMERS (2nd annual), Eugene, Oregon (Autzen Stadium), Oct. 1 (10 a.m.)**—Course: four equal laps, flat; record 2:21:38 (Jose Cortez '71). 1971 race: 63 finished, 4 under 2:30, 16 under 3:00, 34 under 3:30, 47 under 4:00; won by Jose Cortez 2:21:38. Entry fee: \$1.00. Half-marathon held in conjunction. Contact: Tom Ragsdale, 165 Hackamore Way, Eugene, Ore. 97401.

**A.A.U. MASTERS (5th annual), San Diego, California (Mission Bay Park), July 3 (6:45 a.m.)**—Course: *certified*, 13-mile laps, nearly flat; record 2:22:25 (Mike Mahler '70; Masters record 2:39:00.2, Dennis Coveney '71); 1971 race: 62 finished, 18 under 3:00, 43 under 3:30, 56 under 4:00; won by Dennis Coveney 2:39:00.2. Entry fee: \$5.00; open only to runners age 40 and over. Contact: Ken Bernard, Box 10512, San Diego, Calif. 92110.

**A.A.U. NATIONAL CHAMPIONSHIP, Liverpool, New York, May 21**—Held in conjunction with the First Trust marathon; see that race for details. 1971 AAU race (at Eugene, Ore.): 76 finished, 19 under 2:30, 64 under 3:00, 76 under 3:30; won by Kenny Moore 2:16:48.6.

**AMERICAN NATIONAL (5th annual), Galveston, Texas, Nov. 18**—Course: 26-mile straightaway; record 2:37:22 (Gary Tuttle '71). 1971 race: 123 finished, 9 under 3:00. Contact: Gerrit Hoogenboezen, American National Running Team, P.O. Box 2052, Galveston, Tex. 77550.



**AMOCO (3rd annual), Freeburg to Canton, Ohio, Oct. 8**—Course: *certified*, relatively flat (quarter-mile hill at 18 miles); point-to-point; record 2:22:43 (Carl Hatfield '71). 1971 race: 160 finished, 2 under 2:30, 36 under 3:00, 92 under 3:30, 140 under 4:00; won by Carl Hatfield 2:22:43. Half- and quarter-marathons held in conjunction. Contact: Amoco Marathon Committee, Downtown Canton YMCA, Canton, Ohio 44702.

**ARIZONA ADMISSION DAY (4th annual), Tucson, Arizona (City Hall), Feb. 12 (10 a.m.)**—Course: 26-mile circuit, relatively flat, 2400 feet elevation; record 2:26:42 (Jerry Jobski '71). 1971 race: 87 finished, 1 under 2:30, 12 under 3:00, 28 under 3:30; won by Jerry Jobski 2:26:42. Entry fee: \$2.00; must be age 15 or over to run. Contact: J. McGee Evans, 400 North Second Ave., Tucson, Ariz. 85705.

**ATHENS (6th annual), Coolville to Athens, Ohio, March 5 (noon)**—Course: point-to-point, several small hills early, then flat, 20 miles paved and six miles dirt; record 2:25:12 (Vic Nelson '70). 1971 race: 50 finished, 11 under 3:00, 25 under 3:30, 35 under 4:00; won by George Wetherbee 2:34:06.3. Entry fee: \$2.25. Contact: Ellsworth Holden, 26 Northwood, Athens, Ohio 45701.

**BAY STATE (2nd annual), Framingham, Massachusetts, Oct. 22 (11 a.m.)**—Course: *certification pending*, 5 laps, moderate hills; record 2:38:09 (Ken Mueller '71). 1971 race: 76 finished, 14 under 3:00, 56 under 3:30, 73 under 4:00; won by Ken Mueller 2:38:09. Contact: Richard Fermoyle, 473 Potter Rd., Framingham, Mass. 01701.

**BERRIAN FESTIVAL (2nd annual), Newberg, Oregon, July**—Course record 2:46:25.7 (Dick Forbes '71). 1971 race: 11 finished, 5 under 3:00, 8 under 3:30, 8 under 4:00; won by Dick Forbes 2:46:25.7. Contact: Bert Lamb, Track Coach, George Fox College, Newberg, Ore. 97132.

**BIRCH BAY (4th annual), Blaine, Washington, April 15 (noon)**—Course: *certification pending*, 2½ miles out, two 10.6-mile laps, 2½ miles back; two moderate hills and one long, steep hill per lap; record 2:32:27.8 (Steve Lippitt '71). 1971 race: 51 finished, 14 under 3:00, 32 under 3:00, 38 under 4:00; won by Steve Lippitt 2:32:27.8. Contact: Jim Pearson, 5050 Hannegan Rd., Bellingham, Wash. 98225.

**BLUEGRASS, (2nd annual), Lexington, Kentucky, Aug. 26 (8 a.m.)**—Course: point-to-point, rolling hills; record 2:41:10 (John Perry '71). 1971 race: 21 finished, 8 under 3:00, 14 under 3:30, 16 under 4:00; won by John Perry 2:41:10. Entry fee: none. Contact: Lexington Track and Field Club, P.O. Box 1901, Lexington, Ky. 40501.

**BOSTON ATHLETIC ASSOCIATION (76th annual), Hopkinton to Boston, Massachusetts, April 17 (noon)**—Course: *certified*, point-to-point, generally flat except uphill 17-20 miles and downhill from 20 miles to finish; record 2:10:30 (Ron Hill '70). 1971 race: 807 finished, 20 under 2:30, 237 under 3:00, 592 under 3:30, 750 under 4:00; won by Alvaro Mejia 2:18:45. Entry fee: \$2.00; must have run sub-3:30 marathon to enter. Contact: Boston A.A., Boston Garden, Boston, Mass. 02114.

**BOSTON QUALIFIER (2nd annual), Ithaca, New York, March 19 (1 p.m.)** [alternate date March 26 in case of snow]—Course: 26-mile circuit, rolling hills; record 2:47:15 (Bob Congdon, John Reppy, Tim Welles '71). 1971 race: 17 finished, 6 under 3:00, 14 under 3:30, 16 under 4:00; won by Congdon, Reppy and Welles 2:47:15. Entry fee: \$1.00. Contact: Jim Hartshorne, 108 Kay St., Ithaca, N.Y. 14850.

**CHAMPLAIN VALLEY (2nd annual), Rouses Point to Plattsburg, New York, May 20 (noon)**—Course: point-to-point, flat, along the shore of Lake Champlain; record 2:45:17 (Craig Harms '71). 1971 race: 33 finished, 3 under 3:00, 18 under 3:30, 22 under 4:00; won by Craig Harms 2:45:17. Entry fee: \$4.00. Contact: John A. Francis, YMCA Physical Dept., 13 Oak St. Plattsburg, N.Y. 12901.

**CIRCLE K-KIWANIS (2nd annual), Paul Smiths to Lake Placid, New York, Sept. 30 (11 a.m.)**—Course: point-to-point, quite hilly; record 2:46:07 (Tom Osler '71). 1971 race: 8 finished, 3 under 3:00; won by Tom Osler 2:46:07. Contact: Faculty Advisor, Circle K Club, Paul Smiths College, Paul Smiths, N.Y. 12970.

**CITY OF LAKES (10th annual), Minneapolis-St. Paul, Minnesota (Minnehaha Park), Oct. 8 (1 p.m.)**—Course: *certified*, two laps out-and-back, two minor hills; record 2:18:29.8 (Tom Heinonen '68). 1971 race: 51 finished, 1 under 2:30, 11 under 3:00, 42 under 4:00; won by Jay Dirksen 2:28:15.5. Entry fee: \$1.00; runners must be age 17 or over. Contact: Pat Lanin, 234 North 7th Ave., Hopkins, Minn. 55343.

**COVERED BRIDGE (3rd annual), Indianola to Winterset, Iowa, Oct. 8 (8:30 a.m.)**—Course: point-to-point, 14 miles of rolling hills, 6 miles flat; record 2:40:01 (Jim McFadden '70). 1971 race: 16 finished, 4 under 3:00, 11 under 3:30, 13 under 4:00; won by Jay Thomson 2:48:25. Entry fee: \$1.00. Contact: Bob Kaldenberg, R.R. 1, Box 73A, St. Charles, Ia. 50240.

**CYCLONE COUNTRY (2nd annual), Ames, Iowa, July**—Course record 2:41:33.7 (Ken Katzer '71). 1971 race: 36 finished, 10 under 3:00, 24 under 3:30, 32 under 4:00; won by Ken Katzer 2:41:33.7. Contact: Karl Larson, 2721 Luther Drive, Ames, Iowa 50010.

**DRAKE RELAYS (4th annual), Des Moines, Iowa (State Capitol to Drake Stadium), April 29 (9:45 a.m.)**—Course: 26-mile circuit, hilly; record 2:27:23 (Bruce Mortenson '71). 1971 race: 73 finished, 2 under 2:30, 36 under 3:00; 59 under 3:30, 72 under 4:00; won by Bruce Mortenson 2:27:23. Entry fee: none; must be out of high school to enter. Contact: Robert Ehrhart, Track Coach, Drake University, Des Moines, Iowa 50311.

**DURALEIGH (6th annual), Durham (Duke University) to Raleigh (Reynolds Coliseum), North Carolina, Jan. 22 (11 a.m.)**—Course: *certified*, point-to-point, rolling hills; record 2:29:40 (Marshall Adams '71). 1971 race: 14 finished, 1 under 2:30, 8 under 3:00, 8 under 3:30, 13 under 4:00; won by Marshall Adams 2:29:40. Entry fee: \$2.00. Contact: Mike Shea, Carmichael Gym, North Carolina State University, Raleigh, N.C. 27607.

**EARTH DAY (2nd annual), New York, New York (Central Park), March 19**—Course: *certified*, one 2.2-mile lap and four six-mile laps, rolling hills, no auto traffic on course; record 2:22:54.2 (Norm Higgins '71; Earth Day race record 2:23:44.2 Tom Fleming '71). 1971 race: 157 finished, 3 under 2:30, 43 under 3:00, 112 under 3:30, 140 under 4:00; won by Tom Fleming 2:23:44.2. Contact: Barry Geisler, 1134 Findley Ave., Bronx, N.Y. 10456.

**EQUINOX (10th annual), College, Alaska (University of Alaska), Sept. 23 (8 a.m.)**—Course: 26-mile circuit, rugged trails, 2000-foot elevation change; record 2:59:01 (Chris Haines '70). 1971 race: 137 finished, 1 under 3:00, 27 under 4:00; won by Mike Devecka 2:59:48. Entry fee: \$2.00; race also includes a division for hikers-joggers which had about 500 participants in 1971; entrants must be age 10 or over. Contact: John Gilmore, Department of Health and Physical Education, University of Alaska, College, Alaska 99701.

**EVERGREEN (3rd annual), Pullman, Washington (Rogers Field), Oct. 1 (11 a.m.)**—Course: 3 separate out-and-back loops, one hill; record 2:33:45 (Dan Murphy '71). 1971 race: 5 under 3:00, 8 under 3:30, 12 under 4:00; won by Dan Murphy 2:33:45. Entry fee: \$1.00. Contact: Jim Dunne, Box 133, Pullman, Wash. 99163.

**FIESTA BOWL (2nd annual), Cave Creek to Scottsdale, Arizona, Dec. 27**—Course: *certification pending*, point-to-point, 8 miles rolling, then flat; see note later in this book for 1971 results. Entry fee: \$3.00 before Dec. 15; \$5.00 after). Contact: Tom Harris, Phoenix YMCA, 350 North 1st Ave., Phoenix, Ariz. 85003.

**FINGER LAKES (2nd annual), Marathon to Ithaca, New York, Oct. 8 (12:30 p.m.)**—Course: point-to-point, 1600 feet of climbing; record 2:33:54 (Bill Hopkins '71). 1971 race: 25 finished, 8 under 3:00, 19 under 3:30; 25 under 4:00; won by Bill Hopkins 2:33:54. Entry fee: \$2.00. Contact: Jim Hartshorne, 108 Kay St., Ithaca, N.Y. 14850.

**FIRST TRUST-A.A.U. NATIONAL CHAMPIONSHIP (3rd annual), Liverpool, New York, May 21 (11 a.m.)**—Course: *certified*, 26-mile circuit, rolling hills; record 2:24:43 (Mike Kimball '71). 1971 race: 3 under 2:30, 30 under 3:00, 60 under 3:30, 75 under 4:00; won by Mike Kimball 2:24:43. Contact: Ed Page, 401 South Main St., North Syracuse, N.Y. 13212.

**FLORIDA RELAYS (new in 1972), Gainesville, Florida, March 25 (8:45 a.m.)**—Course: rolling hills, start and finish on track at University of Florida. Entry fee: \$1.00. Contact: Jimmy Carnes, University of Florida Athletic Department, Gainesville, Fla. 32601.

**FREEDOM (4th annual), Monticello, Illinois (Allerton Park), July 2 (6 a.m.)**—Course: two 9-mile and two 4-mile laps, rolling hills, 60% shaded; record 2:33:47 (Peter Stipe '71). 1971 race: 67 finished, 26 under 3:00, 51 under 3:30, 61 under 4:00; won by Peter Stipe 2:33:47. Entry fee: \$3.00. contact: Stephen Goldberg, College of Law, University of Illinois, Champaign, Ill. 61820.

**GARY BROWN MEMORIAL (5th annual), Canton, Missouri (Culver Stockton College), April 8**—Course: very hilly; record 2:52:02 (Jim McFadden '71). 1971 race: 72 finished, 1 under 3:00, 3 under 3:30, 6 under

4:00; won by Jim McFadden 2:52:02. Contact: Bill Schade, Physical Education Dept., Culver Stockton College, Canton, Mo. 63435.

**GLASS CITY (2nd annual), Toledo, Ohio, June 18**—Course: out-and-back, two small hills; record 2:36:02 (Brian Sobczak '71). 1971 race: 110 finished, 4 under 3:00, 28 under 3:30, 60 under 4:00; won by Brian Sobczak 2:36:02. Entry fee: \$2.00 (\$4.00 on race day). Contact: Richard Trame, 2606 Parkwood Ave., Toledo, Ohio 43610.

**GOLDEN GATE (3rd annual), Tiburon (Paradise Beach) to San Francisco (Marina Green), California, May 27**—Course: point-to-point, 2-mile hill at 21 miles plus several smaller ones; crosses Golden Gate Bridge; record 2:31:37 (Richard Delgado '71). 1971 race: 227 finished, 31 under 3:00, 110 under 3:30, 175 under 4:00; won by Richard Delgado 2:31:37. Contact: Richard Perry, 2406 Buena Vista, Belmont, Calif. 94002.

**GRAND VALLEY (3rd annual), Grand Rapids, Michigan, Nov. 4 (1 p.m.)**—Course: *certification pending*, point-to-point, rolling countryside; record 2:38:20 (Craig Harms '71). 1971 race: 38 finished, 8 under 3:00, 22 under 3:30, 31 under 4:00; won by Craig Harms 2:38:20. Entry fee: \$3.00; half- and quarter-marathons held in conjunction. Contact: Rich Holden, YMCA Physical Director, 33 Library St. N.E., Grand Rapids, Mich. 49502.

**GREEN MOUNTAIN (2nd annual), Burlington, Vermont, Oct. 22 (1 p.m.)**—Course: *certification pending*, out-and-back, hill at 13 miles; record 2:31:43 (Ralph Thomas '71). 1971 race: 22 finished, 4 under 3:00, 12 under 3:30, 19 under 4:00; won by Ralph Thomas 2:31:43. Contact: Larry Kimball, RFD 2, River Road, Winooski, Vt. 05401.

**GREENS-WINSTON (7th annual), Greensboro to Winston Salem, North Carolina, Aug. 19 (6 a.m.)**—Course: *certified*, point-to-point, hilly (especially in last 5 miles); record 2:34:59 (Don Kennedy '71). 1971 race: 6 under 3:00, 16 under 3:30, 17 under 4:00; won by Don Kennedy 2:34:59. Entry fee: \$1.00; must have run a 10-mile race previously. Contact: Scott Brent, 2725 Brightwood Court, Winston Salem, N.C. 27105.

**GROUND HOG DAY (5th annual), Morrilton, Arkansas (Petit Jean Mountain), Jan. 29 (10:30 a.m.)**—Course: *certified*, 2 laps, rolling hills; record 2:38:58.2 (Tim Hendricks '71). 1971 race: 27 finished, 5 under 3:00, 10 under 3:30, 21 under 4:00; won by Tim Hendricks 2:38:58.2. Entry fee: \$2.00. Contact: Dr. Cecil W. McDermott, Hendrix College, Conway, Ark. 72032.

**HAWAIIAN (15th), Kahului to Kaanapali, Maui, April 8 (8 a.m.)**—Course: point-to-point, first half rolling hills, second half flat; record 3:00:47 (Johnny Faerber '71). 1971 race: 18 finished, 5 under 3:30, 8 under 4:00; won by Johnny Faerber 3:00:47. Entry fee: \$2.00. Contact: Sam Bosetti, 1777 Ala Moana, Honolulu, Hawaii 96813.

**HEART OF AMERICA (13th annual), Columbia, Missouri, Sept. 4 (6 a.m.)**—Course: *certified*, out 4 miles, 17-mile loop, back 5 miles, gravel and dirt between 7 and 13 miles, six major hills; record 2:34:07 (Barry Crawford '66). 1971 race: 34 finished, 5 under 3:00, 13 under 3:30, 20 under 4:00; won by Tim Hendricks 2:47:42. Entry fee: \$2.00. Contact: Joe Duncan, 4004 Defoe Dr., Columbia, Mo. 65201.

**HINSDALE CENTRAL (4th annual), Hinsdale, Illinois, November—**  
Course: 11-, 10- and 5-mile loops, relatively flat; record 2:36:25 (Tom Higgins '71). 1971 race: 35 finished, 6 under 3:00, 15 under 3:30, 27 under 4:00; won by Tom Higgins 2:36:25. Contact: Conrad Truedson, 3305 York Road, Oak Brook, Ill. 60521.

**ISLAND (new in 1972), Portland, Oregon (Sauvies Island), Nov. 25 (noon)—**Course: two laps, flat. Entry fee: \$2.00. Contact: Oregon Road Runners Club, 6242 Southwest 50th, Portland, Ore. 97221.

**JERSEY SHORE (new in 1972), Asbury Park; N.J., Jan. 9 (11 a.m.)—**  
Course: out-and-back, flat, paralleling beach. Entry fee: \$1.00. Contact: Tom Baum, 1307 Ocean Ave., Spring Lake, N.J. 07762.

**KALISPELL (2nd annual), Kalispell, Montana, Sept. 30—**Course: record 3:08:40 (Charles Modee '71). 1971 race: 5 finished, 1 under 3:30, 3 under 4:00; won by Charles Modee 3:08:40. Contact: Larry O'Neil, 233 Fifth Ave. East, Kalispell, Mont. 59901.

**KANSAS RELAYS (3rd annual), Lawrence, Kansas (Memorial Stadium), April 22 (7 a.m.)—**Course: *certification pending*, out-and-back, several major hills; record 2:31:02.5 (Chuck Ceronsky '71). 1971 race: 19 finished, 13 under 3:00, 14 under 3:30, 15 under 4:00. Entry fee: none. Contact: Bob Timmons, Room 4, Allen Field House, Lawrence, Kans. 66044.

**LAS VEGAS (6th annual), Las Vegas, Nevada (University of Nevada at L.V.), Feb. 5 (9 a.m.)—**Course: 26-mile circuit, 12 miles flat or down-hill, 8 miles rolling to hilly, last 6 miles flat; record 2:20:18 (Scott Bringhurst '71). 1971 race: 67 finished, 1 under 2:30, 22 under 3:00, 45 under 3:30, 59 under 4:00; won by Scott Bringhurst 2:20:18. Entry fee: \$2.00 for age 18 and under, \$4.00 for 19 up. Contact: William E. Freedman, 438 East Sahara Ave., Las Vegas, Nev. 89105.

**LINN TECH (3rd annual), Linn (Linn Technical College) to Jefferson City (State Capitol), Missouri, October—**Course: point-to-point, very hilly; record 2:26:56 (Jim McFadden '70). 1971 race: 34 ran, 1 under 3:00; won by Mel Vos 2:46:55. Contact: James Symmonds, Linn Technical College, Linn, Mo. 65051.

**LITTLE EGYPT (3rd annual), Carbondale, Illinois, May—**Course: out-and-back, hilly; record 2:33:50 (Oscar Moore '70). 1971 race: 25 finished, 7 under 3:00, 18 under 3:30, 23 under 4:00; won by Ben Huntley 2:39:15. Contact: Dr. R. G. Knowlton, Research Lab, SIU Arena, SIU, Carbondale, Ill. 62901.

**LONGEST DAY (3rd annual), Brookings, South Dakota (South Dakota State University), June 18 (7 a.m.)—**Course: *Certified*, 26-mile loop, mostly flat; record 2:39:53.2 (Dave Phillips '71). 1971 race: 24 finished, 5 under 3:00, 10 under 3:30, 24 under 4:00; won by Dave Phillips 2:39:53.2. Entry fee: \$2.00. Contact: Track Office, Dept. HPER & Athletics, South Dakota State University, Brookings, S.D. 57006.

**MADERA (5th annual), Madera, California, Jan. 15—**Course: two laps, flat; record 2:27:37.1 (Skip Houk '71, Madera race record 2:29:38

Robert Yslas '68). 1971 race: 24 finished, 9 under 3:00, 16 under 3:30, 20 under 4:00; won by Skip Houk 2:31:26.3 (Houk ran 2:27:37.1 in the 1971 AAU regional on the same course). Entry fee: \$1.50; half-marathon held in conjunction. Contact: Dee DeWitt, Track Coach, Madera High School, Madera, Calif. 93637.

**MARDI GRAS (8th annual), New Orleans, Louisiana, Jan. 29 (8 a.m.)—**Course: *certified*, out-and-back, flat; record 2:29:28.9 (Pat McMahon '71). 1971 race: 38 finished, 6 under 3:00, 15 under 3:30, 24 under 4:00; won by Pat McMahon 2:29:28.9. Entry fee: \$5.00. Contact: Dick Cochran, 1329 Melody Drive, Metairie, La. 70002.

**MIDWEST ROAD RUNNERS CLUB INDOOR (2nd annual), Chicago, Illinois (University of Chicago Fieldhouse), Feb. 6 (8 a.m.)—**Course: *certified*, 220-yard indoor dirt track; record 2:54:03.3 (Ken Young '71). 1971 race: 2 finished, 1 under 3:00; won by Ken Young 2:54:03.3. Entry fee: \$1.00; due to limitations in running area, it is requested that only serious marathoners enter. Contact: Ken Young, 5048 South Blackstone Ave., Apt. 2, Chicago, Ill. 60615.

**MILE-HIGH (9th annual), Denver, Colorado (Washington Park), May 28 (7:30 a.m.)—**Course: *certified*, 4-mile laps, flat; 5300 feet elevation; record 2:28:56.6 (Floyd Godwin '67). 1971 race: 47 finished, 12 under 3:00, 27 under 3:30, 44 under 4:00; won by Damien Koch 2:38:39. Entry fee: \$2.00. Contact: Alan Curiff, 424 S. Clarkson, Denver, Colo. 80209.

**MISSION BAY (8th annual), San Diego, California (Mission Bay Park), Jan. 15 (8 a.m.)—**Course: *certified*, 2 laps, nearly flat; record 2:22:25 (Mike Mahler '70). 1971 race: 216 finished, 5 under 2:30, 61 under 3:00, 144 under 3:30, 187 under 4:00; won by Bill Clark 2:22:38. Entry fee: \$2.00. Contact: Bill Gookin, P.O. Box 1124, San Diego, Calif. 92112.

**MONROE (5th annual), Monroe, Ohio, Oct. 22 (noon)—**Course: out and back twice, rolling hills; record 2:34:07 (Brian Sobczak '71). 1971 race: 53 finished, 14 under 3:00, 28 under 3:30, 40 under 4:00; won by Brian Sobczak 2:34:07. Entry fee: \$2.00. Contact: Wayne Yarcho, Box 162, Dabel Station, Dayton, Ohio 45420.

**MOTOR CITY (10th annual), Detroit, Michigan (Belle Isle), Oct. 22 (9 a.m.)—**Course: *certified*, 5 laps of 5.3 miles, flat; record 2:12:00 (Jerome Drayton '69). 1971 race: 67 finished, 5 under 2:30, 33 under 3:00, 58 under 3:30, 62 under 4:00; won by Mike Hazilla 2:16:20.6. Entry fee: \$2.00 (post entries \$5.00); runners must be age 18 or over, with a previous best of 4½ hours. Contact: A. James Menlove, Motor City Striders, 4860 Cooley Lake Road, Milford, Mich. 48042.

**MOUNTAIN (5th annual), Boone (Appalachian State University) to Grandfather Mountain, North Carolina, July 8 (11 a.m.)—**Course: *certified*, point-to-point, very hilly, starts at 3333 feet, finishes at 4200 feet; record 2:45:29 (Lou Coppens '70). 1971 race: 23 finished, 2 under 3:00, 8 under 3:30, 13 under 4:00; won by Phillip Sparling 2:52:11. Entry fee: \$1.00. Contact: George Phillips, 3100 Briarcliffe Rd., Winston-Salem, N.C. 27106.

**MOUNTAIN (3rd annual), Tacoma, Washington, March 25 (11 a.m.)**—Course: lap course, rolling hills; record 2:43:39 (Richard Forbes '71). 1971 race: 11 finished, 3 under 3:00, 8 under 3:30, 9 under 4:00; won by Richard Forbes 2:43:39. Entry fee: \$1.00. Contact: Carl Glatze, P.O. Box 804, Steilacoom, Wash. 98388.

**MUNICIPAL GAMES (3rd annual), Los Angeles, California (Griffith Park), March 4 (8 a.m.)**—Course: 13-miles laps with a 0.6-mile hill in each; record 2:24:28 (Doug Schmenk '71). 1971 race: 68 finished, 1 under 2:30, 19 under 3:00, 33 under 3:30, 47 under 4:00; won by Doug Schmenk 2:24:28. Entry fee: \$1.00. Contact: Mike Johnson, Department of Parks and Recreation, 3401 Riverside Drive, Los Angeles, Calif. 90027.

**NAPA (2nd annual), Napa, California (Silverado Junior High), Oct. 1**—Course: 26-mile circuit, flat; record 2:17:53.5 (Tom Laris '71/course about a mile short of full marathon). 1971 race: 54 finished, won by Tom Laris 2:17:53.5. Entry fee: \$1.00. Contact: Mike Healy, 690 Costa Drive, Napa, Calif. 94558.

**NATIONAL ASSOCIATION OF INTERCOLLEGIATE ATHLETICS (new in 1972), Billings, Montana, June 1**—Open only to NAIA-eligible athletes. Contact: NAIA, 106 West 12th St., Kansas City, Mo. 64105.

**NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (new in 1972)**—This race *may* be run in 1972; no definite plans have been formulated. Contact: NCAA, Midland Building, 1221 Baltimore, Kansas City, Mo. 65105.

**NEW YORK (3rd annual), New York, New York (Central Park), Oct. 22 (11 a.m.)**—Course: *certified*, one lap of 2.2 miles, four laps of 6 miles, rolling hills; no auto traffic on course; record 2:22:54.2 (Norm Higgins '71). 1971 race: 155 finished, 42 under 3:00, 87 under 3:30, 129 under 4:00, won by Norm Higgins 2:22:54.2. Contact: Fred Lebow, 226 East 53 St., New York, N.Y. 10022.

**NORTH CENTRAL (5th annual), Naperville, Illinois (North Central College), Dec. 2 (11 a.m.)**—Course: out and back twice, rolling hills; record 2:21:53 (Jay Dirksen '69). 1971 race: 90 finished, 33 under 3:00, 64 under 3:30, 77 under 4:00; won by Kevin Keogh 2:33:05. Contact: Al Carius, Athletic Director, North Central College, Naperville, Ill. 60540.

**NORTH TEXAS (new race in 1972), Denton, Texas (North Texas University), January 22 (11 a.m.)**—26-mile circuit, rolling hills. Entry fee: \$2.00. Contact: Carl Babcock, Track Coach, North Texas State University, Denton, Texas 76203.

**NORTHWEST SENIORS (2nd annual), Gresham, Oregon (Mount Hood Community College), July 17 (7 a.m.)**—Course: 26-mile circuit, rolling hills; record 3:13:04 (Al Sweeney '71). 1971 race: 5 finished, 1 under 3:30, 3 under 4:00; won by Al Sweeney 3:13:04. Entry fee: \$2.00; open only to runners age 40 and over. Contact: Jim Puckett, Track Coach, Mt. Hood Community College, Gresham, Ore. 97030.

**OCEAN TO BAY (10th annual), Half Moon Bay (Martin's Beach) to Belmont (Marine World), California, Aug. 5**—Course: point-to-point, two-thirds road, one-third trail, climbs to 2000 feet in first 10 miles, another major hill at 19 miles; record 2:33:57 (Bill Clark '70). 1971 race: 148 finished, 21 under 3:00, 63 under 3:00, 92 under 4:00; won by Robert Calvert 2:35:24. Contact: Richard Perry, 2406 Buena Vista, Belmont, Calif. 94002.

**OIL CAPITAL (2nd annual), Tulsa, Oklahoma (Mohawk Park), March 25 (9 a.m.)**—Course: *certified*, 3.1-mile laps, flat; record 2:26:51.4 (Johnny Halberstadt '71). 1971 race: 25 finished, 4 under 3:00, 11 under 3:30, 21 under 4:00; won by Johnny Halberstadt 2:26:51.4. Entry fee: \$2.00. Contact: Larry Aduddell, 1849 North Louisville, Tulsa, Okla. 74115.

**OLYMPIC TRIAL, Eugene, Oregon (University of Oregon), July 7 (6:30 p.m.)**—Course: *certification pending*, 13-mile laps, flat; new course in 1972. Open to any runner with a time under 2:45 during 1972 (this may be lowered to 2:30); first three qualify for Olympic Games. Contact: Tom Ragsdale, 165 Hackamore Way, Eugene, Ore. 97401.

**PAAVO NURMI (4th annual), Upton (Olympia Sport Village) to Hurley, Wisconsin, Aug. 12 (8 a.m.)**—Course: point-to-point, rolling hills; record 2:23:43 (Bruce Mortenson '71). 1971 race: 389 finished, 2 under 2:30, 72 under 3:00, 160 under 3:30, 272 under 4:00; won by Bruce Mortenson 2:23:43. Entry fee: \$2.00. Contact: Hurley Chamber of Commerce, Hurley, Wisc. 54534.

**PACIFIC AAU, Petaluma, California, Dec. 10 (10 a.m.)**—Course: *certified*, 26-mile circuit, rolling hills; record 2:23:44 (Jon Anderson '71). 1971 race: 150 finished, 3 under 2:30, 33 under 3:00, 121 under 4:00. Contact: Peter Mattei, 1000 North Point, San Francisco, Calif. 94109.

**PALOS VERDES (6th annual), Palos Verdes Estates, California, May 27**—Course: point-to-point, first 10 miles mostly uphill, 3 downhill, 10 flat, 2 up and final 1¼ down; record 2:23:04 (Chuck Smead '69/course 0.3-mile short). 1971 race: 330 finished, 4 under 2:30, 48 under 3:00, 152 under 3:30, 265 under 4:00; won by Eddie Cadena 2:23:34. Contact: Terry Wallace, Palos Verdes High School, Palos Verdes, Calif. 90274.

**PEACH BOWL (10th annual), Atlanta, Georgia (Westminster School), Dec. 30 (noon)**—Course: 13-mile laps, hilly; record 2:16:18.2 (Neal Cusack '71). 1971 race: 121 finished, 7 under 2:30, 38 under 3:00; won by Neal Cusack 2:16:18.2. Entry fee: \$2.00. Contact: Tim Singleton, Dean Of Men, Georgia State University, Atlanta, Ga. 30303.

**PHILADELPHIA (3rd annual), Philadelphia, Pennsylvania (East River Drive), Nov. 26 (noon)**—Course: *certified*, out-and-back, flat; record 2:23:46.2 (Herb Lorenz '71). 1971 race: 46 under 3:00; won by Moses Mayfield 2:26:44.8. Entry fee: \$1.00 or \$2.00. Contact: Penn Athletic Club, 1801 Walnut St., Philadelphia, Pa. 19120.

**PIKE'S PEAK (17th annual), Manitou Springs, Colorado (Cog Railroad Depot), Aug. 20 (7:30 a.m.)**—Course: starts at 7539 feet, to 14,110 and back on Barr Trail, 26.8 miles; record 3:39:47 (Steve Gachupin '68). 1971 race:



25 finished, 2 under 4:00; won by Steve Gachupin 3:46:26. Entry fee: \$2.00; Contact: Don McMahon, Pueblo YMCA, 215 East 7th St., Pueblo, Colo. 81002.

**PIONEER (3rd annual), Big Mountain to Salt Lake City, Utah, July 24—**Course: point-to-point, starts at 7420 feet, finishes at 4400 feet; record 2:30:47 (Edwin Gookin '71). 1971 race: 72 finished, 14 under 3:00, 35 under 3:30, 53 under 4:00; won by Edwin Gookin 2:30:47. Entry fee: \$2.00. Contact: Deseret News Pioneer Marathon, P.O. Box 1257, Salt Lake City, Utah 84110.

**PLODDERS (7th annual), Brockton, Massachusetts, May—**Course: *certification pending*, four laps; record 2:42:32 (Joe Frontierro '71). 1971 race: 57 finished, 11 under 3:00, 31 under 3:30, 57 under 4:00; won by Joe Frontierro 2:42:32. Open only to runners slower than three hours, or to any runners over age 40. Contact: Bob Campbell, 39 Linnett St., West Roxbury, Mass. 02132.

**POLICE OLYMPICS (6th annual), San Diego, California (Mission Bay Park), September—**Course: *Certified*, 13-mile laps, nearly flat; record 2:22:25 (Mike Mahler '70). 1971 race (at San Francisco): 3 under 3:00, 9 under 3:30; won by Pat Connelly 2:46:20. Entry fee: none; open only to peace officers (police, highway patrol, etc.). Contact: Police Olympics, Los Angeles Police Department, Los Angeles, Calif. 90001.

**PORTALES (new in 1972), Portales, New Mexico (Eastern New Mexico University), Feb. 19—**No course details available. Contact: Bill Silverberg, Track Coach, Eastern New Mexico University, Portales, N.M. 88130.

**PUERTO RICAN HISPANIC (2nd annual), New York, New York (Central Park), Aug. 19—**Course: *certified*, one lap of 2.2 miles, four laps of 6 miles, rolling hills; record 2:22:54.2 (Norm Higgins '71; Puerto Rican race record 2:39:52 Coleman Mooney '71). 1971 results: 20 finished, 5 under 3:00, 8 under 3:30, 16 under 4:00; won by Coleman Mooney 2:39:52. Contact: Kurt Steiner, 1660 E. 21st St., Brooklyn, N.Y. 11210.

**QUINCY (2nd annual), Quincy, Illinois (South Park), Aug. 19 (6:23 a.m.—sunrise)—**Course: 4.3-mile laps, nearly flat; record 2:46:41.2 (Brian Walsh '71). 1971 results: 18 finished, 3 under 3:00, 4 under 3:30, 8 under 4:00; won by Brian Walsh 2:46:41.2. Entry fee: \$1.00. Contact Steve Goers, 2501 Katherine Road, Quincy, Ill. 62301.

**RACE OF CHAMPIONS (11th annual), Holyoke, Massachusetts, June 4 (1 p.m.)—**Course: *certified*, record 2:32:32.6 (Ron Wallingford '71). 1971 race: 77 finished, 16 under 3:00, 46 under 3:30, 62 under 4:00; won by Ron Wallingford 2:32:32.6. Entry fee: none. Contact: Walter Childs, Box 1484, Springfield, Mass. 01100.

**REDWOOD EMPIRE (2nd annual), Arcata, California, July 8 (9 a.m.)—**Course: rolling hills; record 2:24:59.5 (Bill Scobey '71). 1971 race: 17 finished, 1 under 2:30, 8 under 3:00, 17 under 4:00; won by Bill Scobey 2:24:59.5. Contact: Jim Hunt, Track Coach, Humboldt State College, Arcata, Calif. 95521.

**RESURRECTION PASS TRAIL (2nd annual), Hope, Alaska, Aug. 19 (10 a.m.)**—Course: out and back, mountain trails; record 3:28:00 (Chris Haines '71). 1971 race: 59 finished, 5 under 4:00, 23 under 5:00; won by Chris Haines 3:28:00. Entry fee: \$2.00. Contact: John Trent, 1700 Tudor Rd., Anchorage, Alaska 99502.

**ROAD RUNNER (4th annual), Gage, Oklahoma, May 6**—Course: *certified*, out-and-back, mostly flat; record 2:29:59 (Terry Ziegler '71). 1971 race: 19 finished, 1 under 2:30, 5 under 3:00, 7 under 3:30, 11 under 4:00; won by Terry Ziegler 2:29:59. Contact: Darrell Johnson, Gage, Okla. 73843.

**ROAD RUNNERS CLUB (13th annual), Atlantic City, New Jersey, June 11 (noon)**—Course: *certified*, out and back three times, flat; record 2:24:42.4 (Bob Scharf '67). 1971 race: 61 finished, 14 under 3:00, 35 under 3:30, 61 under 4:00; won by Moses Mayfield 2:34:23.8. Entry fee: \$1.00; women's RRC championship held in conjunction. Contact: Ed League, Box 732, Atlantic City, N.J. 08404.

**SANTA BARBARA (8th annual), Santa Barbara, California, (La Playa Stadium), Oct. 15 (7:30 a.m.)**—Course: *certified*, out-and-back, major hills at 2 and 23½ miles, rolling elsewhere; record 2:26:14.8 (Gene Comroe '69). 1971 results: 92 finished, 1 under 2:30, 17 under 3:00, 46 under 3:30, 69 under 4:00; won by Bill Gookin 2:29:33. Entry fee: \$1.00; runners over 3:00 start at 7:30 a.m., faster runners an hour later. Contact: John Brennand, 4476 Meadowlark Lane, Santa Barbara, Calif. 93110.

**SEAFAIR (2nd annual), Seattle, Washington (Seward Park), Aug. 4 (10 a.m.)**—Course: flat, laps; record 2:37:34.6 (Scott Daggatt '71). 1971 race: 28 finished, 8 under 3:00, 16 under 3:30, 23 under 4:00; won by Scott Daggatt 2:37:34.6. Contact: Bill Roe, c/o WTTFF, Tubby Graves Building, University of Washington, Seattle, Wash. 98195.

**SEATTLE INVITATIONAL (3rd annual), Seattle, Washington (Seward Park), Nov. 19 (10 a.m.)**—Course: out-and-back twice, flat; record 2:31:09.8 (Sean O'Riordan '71). 1971 race: 40 finished, 19 under 3:00, 28 under 3:30, 35 under 4:00; won by Sean O'Riordan 2:31:09.8. Contact: University of Washington Running Club, Intramural Activities Bldg., Room 208, Seattle, Wash. 98105.

**SENIOR SPORTS INTERNATIONAL (3rd annual), Culver City, California (Veterans Auditorium), June 25 (8 a.m.)**—Course: *certified*, six-mile loops at start and finish, out-and-back in middle, nearly flat; record 2:15:21 (Bill Scobey '71; Senior meet hasn't been run on this course previously). 1971 results: 16 finished, 7 under 3:00, 10 under 3:30; won by Orville Atkins 2:31:26.6. Entry fee: \$5.00 (\$3.00 if entering another event in this meet); open only to runners 35 and over. Contact: Senior Sports International, Mutual of Omaha Building, Suite 302, 5225 Wilshire Blvd., Los Angeles, Calif. 90036.

**SPOKANE (5th annual), Spokane, Washington (Riverside State Park), September**—Course: five laps out-and-back, rolling hills; record 2:25:26 (Phil Burkswist '70). 1971 race; 5 under 3:00; won by Jim Hatcher 2:25:52. Contact: James Murphy, Route 11, Box 680, Spokane, Wash. 99208.

**SUNFLOWER (2nd annual), Winchester, Kansas, Dec. 2**—Course: two 10-mile laps, two three-mile, some rolling hills; record 2:41:15 (Loren Moes '71). 1971 race: 14 finished, 4 under 3:00, 10 under 3:30, all under 4:00; won by Loren Moes 2:41:15. Entry fee: \$1.00. Contact: Mel Vos, P.O. Drawer B, Winchester, Kans. 66097.

**TOUR OF ALBUQUERQUE (3rd annual), Albuquerque, New Mexico (Valley High School), Sept. 10 (8 a.m.)**—Course: 13-mile laps, flat; 5000 feet elevation; record 2:27:16 (Charles Harris '71). 1971 race: 32 finished, 7 under 3:00, 18 under 3:30, 30 under 4:00; won by Charles Harris 2:27:16. Entry fee: \$2.00. Contact: Vivian Harris, 2205 Ambassador N.E., Apt. 133, Albuquerque, N.M. 87112.

**TRAIL'S END (3rd annual), Seaside, Oregon (Turnaround), Feb. 26 (11:30 a.m.)**—Course: *certified*, out-and-back (though not repeated identically), mostly flat; record 2:21:09.8 (Bruce Mortenson '71). 1971 race: 296 finished, 12 under 2:30, 93 under 3:00, 150 under 3:30, 215 under 4:00; won by Bruce Mortenson 2:21:09.8. Entry fee: \$2.00. Contact: Seaside Chamber of Commerce, P.O. Box 7, Seaside, Ore. 97138.

**TRI-STATES (7th annual), White Cloud, Kansas, to Falls City, Nebraska, Oct. 15 (8 a.m.)**—Course: point-to-point, nearly flat until last 9 miles, 7 miles of gravel, 19 miles asphalt; through Kansas, Missouri and Nebraska; record 2:26:25 (Greg Carlberg '71). 1971 race: 31 finished, 1 under 2:30, 8 under 3:00, 19 under 3:30, 27 under 4:00; won by Greg Carlberg 2:26:25. Entry fee: \$2.00. Contact: Louis Fritz, Verdon, Nebr. 68457.

**UNITED STATES TRACK AND FIELD FEDERATION (4th annual), Wichita, Kansas (Wichita State University), May 27 (8 a.m.)**—Course: mostly flat; record 2:27:46 (Terry Ziegler '71). 1971 race: 47 finished, 1 under 2:30, 17 under 3:00, 32 under 3:30, 45 under 4:00; won by Terry Ziegler 2:27:46. Contact: Herm Wilson, Wichita State University, P.O. Box 8084, Wichita, Kans. 67208.

**WASHINGTON'S BIRTHDAY (11th annual), Beltsville, Maryland (National Agricultural Research Center), Feb. 20 (1 p.m.)**—Course: *certification pending*, 3 laps, mostly flat; new course in 1972. 1971 race: 123 finished, 1 under 2:30, 25 under 3:00, 76 under 3:30, 104 under 4:00; won by Jack Fultz 2:29:58.4. Entry fee: \$2.00. Contact: William Mish, 5615 Duchaine Dr., Lanham, Md. 20801.

**WESTERN HEMISPHERE (25th annual), Culver City, California (Veterans Memorial Auditorium), Dec. 3 (8 a.m.)**—Course: *certified*, 6-mile laps at start and finish with out-and-back 14 miles in between, nearly flat; record 2:15:21 (Bill Scobey '71). 1971 race: 518 ran, 15 under 2:30, 99 under 3:00, won by Bill Scobey 2:15:21. Entry fee: \$2.00. Contact: Carl Porter, P.O. Box 507, Culver City, Calif. 90230.

**WESTERN PLODDERS (2nd annual), San Francisco, California (Presidio), April 15 (1 p.m.)**—Course: out-and-back twice, mostly flat; record 2:47:40 (Jack Leydig '71). 1971 race: 61 finished, 2 under 3:00, 29 under 4:00; won by Jack Leydig 2:47:40. Caters to those who don't make Boston qualifying standard of 3:30; faster runners may enter, but receive a half-hour

to hour (or more) handicap. Contact: Walter Stack, 321 Collingwood Dr., San Francisco, Calif. 94114.

**WEST VALLEY (2nd annual), Burlingame, California (Burlingame High School), Feb. 13 (9 a.m.)**—Course: *certification pending*, five-mile laps, flat; new course in 1972. 1971 race: 140 finished, 3 under 2:30, 45 under 3:00, 95 under 3:30, 134 under 4:00; won by Alvaro Mejia 2:17:22.2. Entry fee: \$2.50. Contact: Jack Leydig, 603 South Eldorado St., San Mateo, Calif. 94402.

**WHITE ROCK (2nd annual), Dallas, Texas (White Rock Lake), March 4 (noon)**—Course: *certified*, two laps plus, mostly flat; record 2:38:09.4 (Ricky Richardson '71). 1971 race: 61 finished, 8 under 3:00, 23 under 3:30, 38 under 4:00; won by Ricky Richardson 2:38:09.4. Entry fee: \$3.00. Contact: T.H. Morrison, Cross-Country Club of Dallas, P.O. Box 38233, Dallas, Tex. 75238.

**WHITEWATER (5th annual), Whitewater, Wisconsin, July 2 (5 a.m.)**—Course: *certified*, 15-mile loop, 4-mile loop and repeat portions of them, rolling hills; record 2:28:30 (Jim Vedder '70). 1971 race: 38 finished, 2 under 3:00, 15 under 3:30, 30 under 4:00; won by Ervin Schneider 2:55:19. Entry fee: \$1.00. Contact: Rex Foster, Route 4, Whitewater, Wisc. 53190.

**WINDY (3rd annual), Indianapolis, Indiana, March 12 (noon)**—Course: rolling to hilly; record 2:29:18 (John Lesch '71). 1971 race: 36 finished, 1 under 2:30, 10 under 3:00, 26 under 3:30, 34 under 4:00; won by John Lesch 2:29:18. Entry fee: \$2.00. Contact: Carl Carey, 406 Murphy Lane, Brownsburg, Ind. 46117.

**WORLD MASTERS (2nd annual), Orange, California (Chapman College), Jan. 29 (8 a.m.)**—Course: new in 1972. 1971 race (at Anaheim, Calif.): 245 finished, 2 under 2:30, 41 under 3:00, 92 under 3:30, 154 under 4:00; won by Pat McMahon 2:18:47.4. Contact: Bill Selvin, P.O. Box 5694, Orange, Calif. 92667.

**NOTE:** Several of 1971's races aren't being run this year for one reason or another. The cancelled events are: AAU Junior; Artesia (N.M.); Beaumont (Texas); Bell (Euless, Texas); Fort Phantom Hill (Abilene, Texas); Indy (Connersville, Ind.); Music City (Nashville, Tenn.), and Yonkers (N.Y.).

## CANADA

**ALBERTA (4th annual), Calgary, Alberta, April 23 (10 a.m.)**—Race probably will be held on a new flat, out-and-back course. 1971 race: 14 finished, 3 under 3:00, 12 under 3:30, all under 4:00; won by James Haddow 2:38:11. Contact: Lawrence King, 816 Canna Cres., Calgary, Alberta.

**BOARDWALK (6th annual), Toronto, Ontario, September**—Course: out-and-back, flat; record 2:31:40 (John Cliff '71). 1971 race: 20 finished, 8 under 3:00, 16 under 3:30, won by John Cliff 2:31:40. Entry fee: \$1.50. Contact: John Dovaston, 135 Parkhome Ave., Willowdale, Ontario,

**BRITISH COLUMBIA, April**—No other details available on course, 1971 race or 1972 plans. Contact: Jack Taunton, Apt. 203, 7227 Balmoral St., Burnaby 1, British Columbia.

**CANADA DAY (2nd annual), Scarborough, Ontario, Canada, July 1 (8 a.m.)**—Course: four laps, flat, new in 1972. 1971 race: 24 finished, 6 under 3:00, 10 under 3:30, 17 under 4:00; won by John Mowatt 2:40:38. Entry fee: \$2.00 (\$3.00 post entry). Contact: Lorne Buck, 19 Avonmore Square, Scarborough, Ontario.

**CANADIAN CHAMPIONSHIP**—No details available on 1972 race. 1971 race: 21 finished, 4 under 2:30, 18 under 3:00, all under 3:32; won by John Cliff 2:24:57. Contact: Paul Poce, 99 Cohill, Apt. 321, Toronto, Ontario.

**EASTERN CANADIAN**—No details available on 1972 race. 1971 race: won by Ron Wallingford 2:21:13 (this event held in Newfoundland).

**POLICE GAMES (5th annual), Toronto, Ontario, July 22 or 29 (9 a.m.)**—Course: out-and-back; record 2:30:48 (Gerry Teal '71). 1971 race: 40 finished, 5 under 2:45, only those results reported; won by Gerry Teal 2:30:48; Entry fee: \$2.00. Contact: Metropolitan Police Headquarters, 590 Jarvis, Toronto, Ontario.

**WESTERN CANADIAN, Calgary, Alberta, June 11 (9 a.m.)**—Course: probably out-and-back, as flat as possible; new course in 1972. Contact: Lawrence King, 816 Canna Cres., Calgary, Alberta.

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## 1972 MARATHON DATES

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Below is a simplified date-order list of races scheduled for 1972. Roger Gynn compiled the information on the major international marathons; the addresses given are the national athletic associations. Note that many, if not most, of these races are invitationals. With the US and Canadian lists, “?” indicates there was some question at presstime as to the exact date of the race. Contact meet directors for details.

### MAJOR INTERNATIONALS

Feb. 6            Beppu-Mainichi, Japan

(Nippon Rikijo-Kyogi Renmei, 25 Kannami-Cho, Shibuya-Ku, Tokyo, Japan)

Feb. 6            Kyoto, Japan

April 29        Werther, West Germany

(Deutscher Leichtathletik, Verband, 35 Kassel, Friedrich-Ebert-Strasse 137, West Germany)

April 29        Karl-Marx-Stadt, East Germany

(Deutscher Verband fur Leichtathletik der D.D.R., 1005 Berlin, Storkower Strasse 118, East Germany)

May 19         Ankara, Turkey

(B.T.G. Md. Atletizm Federasyonu, Ankara, Turkey)

May 20         Naerum, Denmark

(Dansk Atletik Forbund, Vester Voldgade Nr. 11, 1551 Copenhagen V., Denmark)

May 27         Massluis, Netherlands

(Koninklyke Nederlandsche Athletick-Unie, Nachtegaalstraat 67, Utrecht, Netherlands)

- June 4 Nove Mestro, Czechoslovakia  
(Czechoslovak Athletic Section, Na Porici 12, Prague 1, Czechoslovakia)
- June 4 Manchester, England  
(British Amateur Athletic Board, 26 Park Crescent, London W1N 4BQ, England)
- June 18 Vltava, Czechoslovakia
- June 24 Debno, Poland  
(Polski Zwiasek Lekkiej Athletyki, Warszawa, U. Foksal 19, Poland)
- July 16 Szeged, Hungary  
(Magyar Atletikai Szovetseg, Budapest XIV, Istvanmezei-ut 5, Hungary)
- Sept. 9 Olympic Games, Munich, West Germany
- Oct. 8 Kosice, Czechoslovakia
- Oct. 29 Budapest, Hungary
- Dec. 3 Fukuoka, Japan

## UNITED STATES

### January

- 9 Jersey Shore, Asbury Park, N.J.  
15 Madera, Calif.  
15 Mission Bay, San Diego, Calif.  
22 Duraleigh, Durham-Raleigh, N.C.  
22 North Texas, Denton, Tex.  
29 Ground Hog Day, Morrilton, Ark.  
29 Mardi Gras, New Orleans, La.  
29 World Masters, Orange, Calif.

### February

- 5 Las Vegas, Nev.  
6 Midwest RRC Indoor, Chicago, Ill.  
12 Admission Day, Tucson, Ariz.  
13 West Valley, Burlingame, Calif.  
19 Portales, N.M.  
20 Washington's Birthday, Beltsville, Md.  
26 Trail's End, Seaside, Ore.

### March

- 4 Municipal Games, Los Angeles, Calif.  
4 White Rock, Dallas, Tex.  
5 Athens, Coolville-Athens, Ohio  
12 Windy, Indianapolis, Ind.  
19 Boston Qualifier, Ithaca, N.Y.  
19 Earth Day, New York, N.Y.  
25 Florida Relays, Gainesville, Fla.  
25 Mountain, Tacoma, Wash.  
25 Oil Capital, Tulsa, Okla.

### April

- 8 Hawaiian, Kahului-Kaanapali, Maui  
8 Gary Brown Memorial, Canton, Mo.  
15 Birch Bay, Blaine, Wash.  
15 Western Plodders, San Francisco, Calif.  
17 Boston A.A., Hopkinton-Boston, Mass.

- 22 Kansas Relays, Lawrence, Kans.  
29 Drake Relays, Des Moines, Iowa

### May

- 6 Road Runner, Gage, Okla.  
20 Champlain, Plattsburg, N.Y.  
21 A.A.U.-First Trust, Liverpool, N.Y.  
27 Golden Gate, Tuburon-San Francisco, Palos Verdes, Calif.  
27 U.S.T.F.F. Championship, Wichita, Kans.  
28 Mile-High, Denver, Colo.  
? Little Egypt, Carbondale, Ill.  
? Plodders, Brockton, Mass.

### June

- 1 N.A.I.A., Billings, Mont.  
4 Race of Champions, Holyoke, Mass.  
11 Road Runners Club, Atlantic City, N.J.  
18 Glass City, Toledo, Ohio  
18 Longest Day, Brookings, S.D.  
25 Senior International, Culver City, Calif.

### July

- 2 Freedom, Monticello, Ill.  
2 Whitewater, Wisc.  
3 A.A.U. Masters, San Diego, Calif.  
7 Olympic Trial, Eugene, Ore.  
8 Mountain, Boone-Grandfather Mt., N.C.  
8 Redwood Empire, Arcata, Calif.  
17 Northwest Seniors, Gresham, Ore.  
24 Pioneer, Big Mountain-Salt Lake City  
? Berrian Festival, Newberg, Ore.  
? Cyclone Country, Ames, Iowa

### August

- 4 Seafair, Seattle, Wash.  
5 Ocean-Bay, Martins Beach-Belmont, Cal.  
12 Paavo Nurmi, Upson-Hurley, Wisc.

- 19 Greensboro-Winston-Salem, N.C.
- 19 Quincy, Ill.
- 19 Resurrection Pass Trail, Hope, Alaska
- 19 Puerto Rican, New York, N.Y.
- 20 Pike's Peak, Manitou Springs, Colo.
- 26 Bluegrass, Lexington, Ky.

**September**

- 4 Heart of America, Columbia, Mo.
- 10 Tour of Albuquerque, N.M.
- 23 Equinox, College, Alaska
- 30 Circle K, Lake Placid, N.Y.
- 30 Kalispell, Mont.
- ? All-American, Pittsburgh, Pa.
- ? Police Olympics, San Diego, Calif.
- ? Spokane, Wash.

**October**

- 1 All-Comers, Eugene, Ore.
- 1 Evergreen, Pullman, Wash.
- 1 Napa, Calif.
- 8 Amoco, Canton, Ohio
- 8 City of Lakes, Minneapolis-St. Paul
- 8 Covered Bridge, Indianola, Ia.
- 8 Finger Lakes, Marathon-Ithaca, N.Y.
- 15 Santa Barbara, Calif.
- 15 Tri-States, Falls City, Nebr.
- 22 Bay State, Framingham, Mass.
- 22 Green Mountain, Burlington, Vt.
- 22 Monroe, Ohio
- 22 Motor City, Detroit, Mich.
- 22 New York, N.Y.

- ? Linn Tech, Linn-Jefferson City, Mo.

**November**

- 4 Grand Valley, Grand Rapids, Mich.
- 18 American National, Galveston, Tex.
- 19 Seattle, Wash.
- 25 Island, Portland, Ore.
- 26 Philadelphia, Pa.
- ? Hinsdale Central, Hinsdale, Ill.

**December**

- 2 North Central, Naperville, Ill.
- 2 Sunflower, Winchester, Kans.
- 3 Western Hemisphere, Culver City, Calif.
- 10 Pacific A.A.U., Petaluma, Calif.
- 27 Fiesta Bowl, Scottsdale, Ariz.
- 30 Peach Bowl, Atlanta, Ga.

**Indefinite Date & Site**

National Collegiate Athletic Association

**CANADA**

- April 23 Alberta, Calgary, Alberta
- April ? British Columbia, Vancouver, B.C.
- June 11 Western Canadian, Calgary, Alta.
- July 1 Canada Day, Scarborough, Ontario
- July 22 or 29 Police Games, Toronto, Ont.
- Sept. ? Boardwalk, Toronto, Ont.

**Indefinite Date & Site**

Canadian Championship & Olympic Trial  
Eastern Canadian Championship

**LATE NOTE:** The 2nd annual Holiday marathon probably will be held in December at Pueblo, Colo. 1971 race: 18 finished, 6 under 3:00, 10 under 3:30, 13 under 4:00; won by Ted Castaneda 2:33:29. Contact: Don McMahon, 1538 Saratoga, Pueblo, Colo. 81001.

# MYSTERY MARATHONER

The tragedy of American track is that so many athletes leave the sport while still so young. High school and college running can be a hectic, programmed affair, and most runners quit when they graduate from one level or the other. The school team is a family—a close-knit, well-organized, disciplined, purposeful family. Leaving it can be as traumatic as leaving home for the first time.

“When the average track athlete completes three years of high school and four years of college,” a runner-coach wrote in *Runner’s World*, “for the most part he’s unable to plan a training schedule, budget his time, decide on equipment, or organize himself in a way that would allow him to carry on an activity that has been a major part of the last third of his life.”

Freedom is a two-sided coin. The graduating runner can do what he wants now. He’s on his own. He may be painfully alone, without the tools, the support, or even the interest to carry on as a runner. He’s also free, in other words, for the first time in seven or eight years *not* to run.

The toll among runners at graduation time is frightfully high. Mike Hazilla seemed to be a typical casualty.

Hazilla ran at Western Michigan University in the mid- and late-1960s. He showed flashes of extraordinary talent in track and cross-country, but particularly in the marathon. Mike was 20 years old in 1966, and he’d never tried a marathon before. After his cross-country season ended in November, he drove over to Detroit’s Belle Isle and proceeded to run the distance in 2:18:46.5.

The standard response on hearing this time was, “It’s short! The course has to be short. An unknown 20-year-old in his first race just can’t run that fast.” Marathoners as a group are known for their skepticism. There was reason to doubt Hazilla’s time, though. After all, by November 1966, only two Americans—hardened veterans Buddy Edelen and Norm Higgins—had ever broken 2:20.

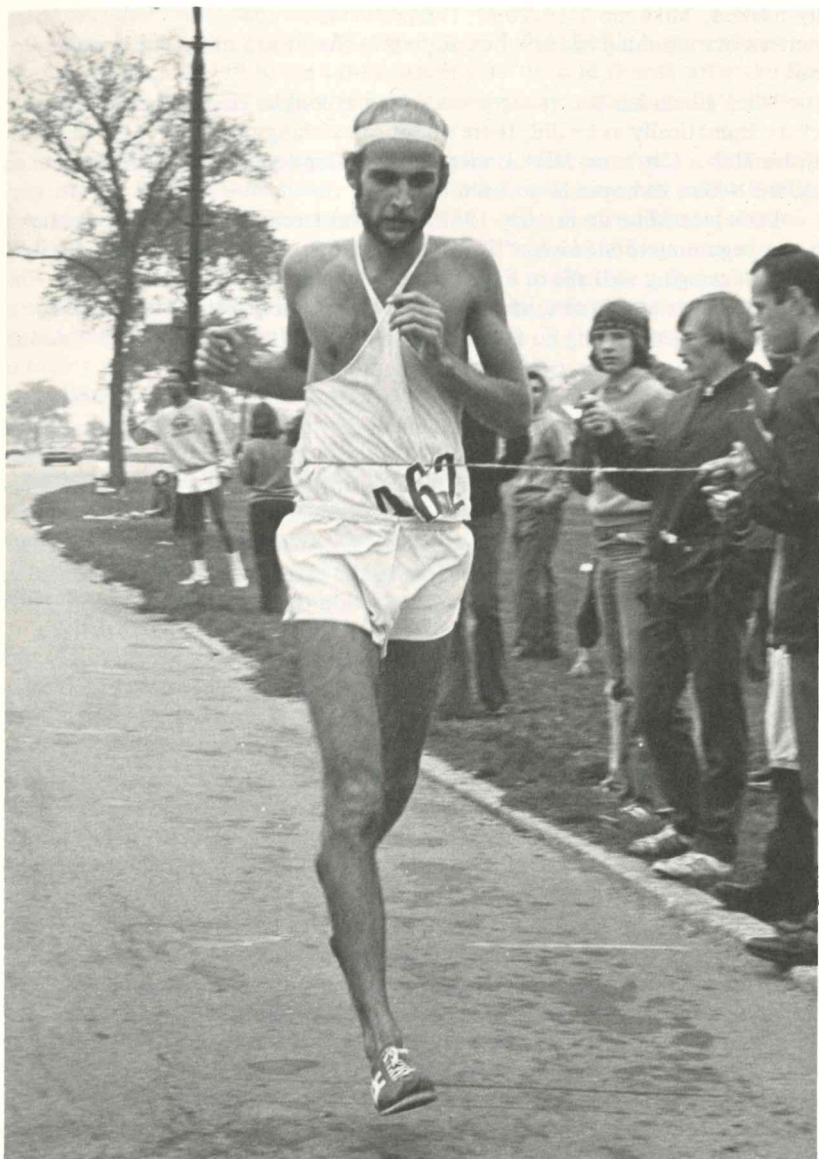
The matter of the course length was never completely resolved, and Hazilla did nothing further to confirm his ability to run that fast. He ran a good cross-country race here, a fast track 10,000 there in the next year and a half, but after April 1968 nothing more was heard from Mike Hazilla. Another promising runner apparently had quit with his college graduation, right?

Wrong. Marathon talent, especially the kind Mike Hazilla possesses, can lie dormant for a long time then pop out again unexpectedly. In October 1971, the Motor City marathon at Belle Isle came around again, five years after he’d first run there and three years after he’d watched the Olympic qualifying race on that course.

Mike had been settled back into full training for only seven weeks after an off-and-on, year-long struggle to regain his fitness. He was living in Ann Arbor—just outside Detroit—and decided to give this marathon another try, even though he wasn’t counting on another 2:18 just yet.

The marathon course at Belle Isle—a flat one of several loops—has been certified as accurate by the AAU since Hazilla’s 1966 effort. And it had been certified as *fast* by Jerome Drayton, who ran 2:12:00 there in 1969. Conditions this year were as perfect as they had been for Drayton—temperature in the 50s, with clouds hanging heavy over the island.





**Mike Hazilla at 2:16:20.6. (Jay McNally photo)**

The confirmation had been a long time coming, and now—so early in his comeback—was an unlikely time for it to happen. But Hazilla did even more than show he was a capable marathoner. Leading all the way and looking beautifully relaxed, Mike ran 2:16:20.6. The performance made him fifth-fastest in American marathoning history, but more that that it promised better racing to come.

When a man has been away from racing as long as Hazilla has, and comes back as dramatically as he did, there's a lot of catching up to do. Still ecstatic with his Motor City race, Mike is more than willing to tell where he has been so long, and where he hopes to go from here.

Let's pick Mike up in early 1968, when his track career at Western Michigan was beginning to blossom. "I was progressing as expected through April," he says, "averaging well above 120 miles for about the past eight months. Emphasis was on general fitness, and that was—to be quite truthful—all I gained. Nonetheless, after running no faster than 4:12-9:05 (mile and two-mile) doubles indoors, I began to feel myself coming around."

"Coming around" included a 29:07 performance for 10,000 meters at the Kentucky Relays, which held up all spring as the fastest time in the country. This was Olympic year, remember.

"My training at the time was still increasing in intensity and duration," Mike says. "The week preceding Kentucky, I covered 146 miles. My objective was to train hard up until the end of May and then rest." He was planning to qualify for the Olympic marathon trial in the early-June semifinal race at Detroit. After that he wanted to go for a spot on the 10,000-meter team.

Starting the first of May, Hazilla recalls that he "averaged 27.8 miles a day for two weeks, thinking it would be my last *hard* training for that year." It was, but not the way he had intended. "In our conference meet, I got injured, I spent the next three weeks with my foot in a cast, and *watched* the Olympic qualifying marathon at Detroit."

Mike watched the Olympic Games that fall on television, too. He was still having foot problems. "I attempted training again in September, and the first week I got a stress fracture in my left foot." That pretty effectively ended his running for the next two years. It could very well have ended it for good, as he graduated from Western Michigan during that time.

Fortunately for Hazilla, he stayed in a running environment when he got to the University of Michigan, where he was a graduate student in economics. He had runners Dave Ellis from Canada, Paul Lightfoot from England and roommate Ron Warhurst prodding him to start running again.

When Mike did return in January 1971, he carried some hard-learned lessons that he didn't want to repeat but didn't want to forget, either. "Looking back on it all," he says, "I *never* got the rest I needed to see what kind of condition I had gotten into. I believe I was much fitter in 1968 than my 29:07 (10,000) showed. My tendency has always been overtraining, and I am convinced that it won't happen again."

He wasn't overtrained for 1971's infrequent races. "After not training at all for 11 months," Mike says, "I began to run again last January. I trained five days and ran 9:27.8 for two miles. I ran about six weeks more—50-60 miles a week—and ran another two-mile, in 9:11. I was particularly elated by these times, but my objective was to be ready in the fall to begin serious training.

Believe me, that was my attitude—running only if I felt like it, and then not hard. I got out of graduate school in April and trained somewhat until July. Then I took the next two months completely off. I was in Europe back-packing—great fun, but not conducive to training.”

Only after he got back to Michigan Sept. 1 did Hazilla begin serious training—as planned. “I haven’t done much yet,” he said shortly after the Detroit marathon, “but my objective now is consistency, and gradually increasing mileage.”

In the seven-week buildup to his marathon, Mike ran twice a day nearly every day. All runs were steady distance—some fast, some not so fast—with none over 14 miles. The first week he went 61 miles (in five days), followed in succession by weeks of 101, 107, 104, 130, 125 and 111 miles.

On the fourth Sunday, Hazilla finished well in the classy Springbank 12-mile road race in Canada, averaging close to five-minute miles for 10th place. On the seventh Sunday, he ran his 2:16 marathon. If that’s “gradual progress,” no telling where he’ll go from here.

“My ideas about training are basically unchanged from college,” Mike notes. “However, it was only recently that I was on my own so that I could practice them. First, I do not believe in most types of interval training and speed work. I’ve run cross-country for 10 weeks with nothing faster than 4:50 mile pace (along with some pickups on the grass). Then I’ve come indoors and run 3:00.8 for a three-quarters. Six months—and many intervals—later, I was still running about 3:01. I’m very sure that if the months were spent conditioning rather than maintaining, I would have run a lot faster.

“This year my speed work will begin in the middle of March and run through May. I’ll do some speed work then, but only after eight months of conditioning.”

Mike Hazilla obviously has a lot going for him this Olympic year. He’s now 25 years old. He’s built on the long (6’0”), lean (135 pounds) lines of the prototype distance runner, and with 4:08 mile speed, he’s basically faster than most of them. This winter, Mike plans to move to Eugene, Ore., where the running climate couldn’t be better.

But perhaps most important of all, Hazilla has taken what he learned as an undergraduate runner and has matured with it.

# A VERY SPECIAL BREED

The great American dream is that any boy can grow up to be anything he wants, so long as he works hard and lives clean. This is the dream that supports world-class distance running ambitions. Too bad the sport isn't that simple, or we'd have sub 2:20 marathoners clogging the streets from Boston to Culver City.

The stark fact of the matter is, though, that would-be world class marathoners must have considerably more in their favor than big dreams, etc. Take the 2:20 marathon as a convenient cutoff point, because it'll require at least that to make this year's Olympic team (and far below 2:20 to have any hope of placing in Munich).

Since Jim Peters broke through with his first sub-2:20 race back in 1953, more than 300 other runners have joined him in that no longer exclusive club. Even 2:15 and 2:10 have long since given way to progress.

But to American runners, 2:20 is still plenty imposing. Only 12 have made it so far. More undoubtedly will be joining them soon, as the furious activity in the lower ranks inevitably pushes the better runners to higher levels. Still, at the end of 1971, only 12—out of the thousands of US marathoners—had cracked 2:20. They'd accounted for 24 such times. (See chart on next page.)

Boiling down the facts on these runners, it appears that the perfect US marathoner should meet these qualifications: 26 years old, 5'11" tall, 143 pounds, a graduate student or teacher, capable of racing a mile on the track in 4:10 and a six-mile in 28:30, and above all lucky enough to meet a fast field on a flat course (even if that means going outside the country to do it).

If statistics mean anything, all the following factors predisposed these men to going as fast as they have.

- **Training**—One-hundred or so miles a week is taken for granted. They all do it, and only the details vary.
- **Age**—The runners averaged 26.1 years old on the day of their sub-2:20 races, with all but three of those races coming from men in their 20s. Norm Higgins (35, and a man who breaks most of the "rules"), Lou Castagnola (30) and Herb Lorenz (32) were the older ones. Mike Hazilla, 20, was youngest.
- **Experience**—It's not nearly as important, apparently, as generally imagined. Given speed and training background, runners have competed extremely well in their first marathons. Eamon O'Reilly, Frank Shorter, Tom Heinonen and Hazilla all ran sub-2:20s in their debuts.
- **Size**—These runners meet almost perfectly the formula of two pounds of body weight to each inch of height. They average 5'11½" (71.5) tall and 143.8 pounds. Norm Higgins (6'3", 160 lbs.) and Herb Lorenz (6'1", 165) are the biggest, while Scobey (5'8¼") and Castagnola (131 lbs.) are smallest.
- **Occupation**—All but two were either students or teachers at the time of their best races, meaning they weren't tied down to a strict eight-hour-a-day work routine.
- **Speed**—This may be the major limiting factor. Marathoners in this class must be good to excellent on the track as well. After all, a sub-2:20

## AMERICA'S SUB-2:20 MARATHONERS

Name	Birthdate	Ht.	Wt.	Mile	3-Mile	6-Mile	Marathons
Amby Burfoot	19 Aug 46	6'0"	140	4:19.0	13:44	29:26	2:14:28.8 (Fukuoka 1968)
Lou Castagnola	5 Jul 36	5'9"	131	4:19.0	14:28	29:28	2:17:48 (Boston 1967)
Buddy Edelen	22 Sep 37	5'10"	145	4:17.0	13:42	28:00	2:14:28 (Chiswick 1963) 2:14:38 (Chiswick 1965) 2:15:09.6 (Kosice 1963) 2:18:12.4 (Tokyo 1964) 2:18:56.8 (Fukuoka 1962)
Mike Hazilla	25 Jul 46	6'0"	135	4:08.7	13:49	28:12	2:16:20.6 (Detroit 1971) 2:18:46.5 (Detroit 1966)
Tom Heinonen	1 Jul 45	5'10"	140	4:09.0	13:40	28:51	2:18:29.4 (Minneapolis 1968)
Norm Higgins	18 Nov 36	6'3"	160	4:17.0	14:05	29:08	2:15:52 (Culver City 1971) 2:18:26 (Boston 1966)
Tom Laris	26 Jun 40	5'10"	155	4:07.7	13:28	27:40	2:19:13 (Culver City 1965)
Herb Lorenz	7 Apr 39	6'1"	165	4:06.2	13:49	29:19	2:16:48 (Boston 1967)
Kenny Moore	1 Dec 43	6'0"	140	4:04.2	13:18	28:47*	2:19:16.7 (Eugene 1971) 2:11:35.8 (Fukuoka 1970) 2:13:27.8 (Fukuoka 1969) 2:16:48.6 (Eugene 1971)
Eamon O'Reilly	2 Jun 42	5'11"	136	4:10.2	13:47*	29:17*	2:19:47 (Boston 1970) 2:11:12 (Boston 1970)
Bill Scobey	13 Mar 45	5'8 $\frac{1}{2}$ "	133	4:03.2	13:44	28:43	2:16:39.8 (Santa Rosa 1968)
Frank Shorter	31 Oct 47	5'11"	135	4:06.4	13:02	28:22*	2:15:21 (Culver City 1971) 2:12:50.4 (Fukuoka 1971) 2:17:44.5 (Eugene 1971)

(\* =time for a metric distance)

marathon involves 5:20 mile pacing. Kenny Moore, Buddy Edelen, Tom Laris and Shorter all have run internationally in the 10,000. As a group, the runners average 4:10.6 in the mile (Scobey is fastest with 4:03.2), 13:41 at three-miles and :28:31 for six (Shorter is fastest in both with 13:02 and roughly 27:22). The "slow" man is Castagnola (with times of 4:19, 14:28 and 29:28), but significantly Lou says, "A well-trained marathoner with across-the-board 4:10 speed will beat one with 4:20 speed."

● **Course and Competition**—These conditions work against many Americans. Either excessively hilly courses shoot down times, there's no one pushing from behind, or both. Except for Boston times—on a mildly "rolling" course—all the races have been on dead-flat terrain. When fast fields have gotten together, as usually happens at Boston (where a fifth of the sub-2:20 times have been run) or at Eugene in 1971 (where three runners dipped under), fast times result. These are rare cases, though, and a number of times—nine to be exact—runners have had to leave the country to get the right combination.

Of course, no one's saying that a few big dreams and a little clean living will do any harm, either.

# WORLD'S FASTEST WOMEN

It's sort of funny. While AAU officials sit around conference tables thinking up reasons why women shouldn't be running long races, the women themselves are out on the roads proving most of those theories wrong.

The officials still haven't gotten around to recognizing that running does approximately the same things to and for women that it does to and for men. "Official" permission to run road races over 10 miles and in mixed company still hasn't been granted. That hasn't seemed to stall the revolution.

Nearly every American marathon in 1971 had at least one woman in its field. At least 112 US ladies went the full distance. Beth Bonner broke the world record, then Sara Berman. But an Australian, Adrienne Beames, beat them both under three hours—by only a couple of weeks, as it turned out. Miss Beames ran an astounding 2:46:30 in September. Though it was in a time-trial, it was without a doubt accurate in every respect.

That turned loose a small flood of sub-3:00 US performances. In order, Beth Bonner, Nina Kuscisk, Ona Dobratz broke through within a month. Then, at year's end, a fast and fit Cheryl Bridges ran 2:49:40—the US's best and fastest anywhere in the world in a recognized race.

What's happening here, as in the men's sphere, is that the event is growing from both ends. It's picking up joggers-come-lately, and the fastest of the track and cross-country runners are trying it, too. Bonner and Bridges fit the latter description. They finished second and third behind Doris Brown in the AAU cross-country championship this fall.

"I really have no idea about an 'ultimate' for women," Miss Bonner says, "but from my own experience, I imagine someone like a healthy Doris Brown could run 2:45 right now."

## ADRIENNE BEAMES

The farther away a record is set, the less inclined the running public is to accept it at face value. When it's a marathon in question, the usual reaction is, "Well, the course must have been short," or "The runner must have been timing himself with a Mickey Mouse watch."

In September, *Sports Illustrated* put a tiny little note on a back page, saying that an Australian named Adrienne Beames had run a marathon in 2:46:30. Adrienne happened to be a woman, and her time happened to be 14 minutes faster than any woman had ever run the distance. If it was the right distance...and the timing was right.

The news hit a small group of American women like a bolt. They couldn't believe it. They didn't *want* to believe another woman had run that fast. They wanted to be first under three hours.

One loophole did eventually show up. Miss Beames' "race" was really a time-trial. But that was only a technicality, really. So she didn't do 2:46:30 in a race; it wasn't official? Well, how official are American per-

formances for an event in which no governing body recognizes women's participation or records?

The point is, Adrienne Beames did run 2:46:30—and it was one great performance. Little by little, information pieced itself together for a profile on the Australian lady.

Her coach, Fred Warwick, reported first of all that “there are no worries about the time or distance. They are spot on. The course was exactly the same as the one used for the pro championship (at Werribee; Miss Beames would have placed sixth in that race), and we had three time-keepers.”

Then a letter came to *Runner's World* from Henri Schubert, Adrienne's one-time coach. He wrote: “I coached her only for one season when I had her set for a 1500-meter career. Unfortunately, Adrienne is not a speedy type and could manage only mediocre times of 60.6 for the 400 and 2:13.0 for the 800, and therefore was not able to break 4:40 for the 1500.

“However,” Schubert continued, “she impressed me always with her abundance of stamina which helped her very much in the cross-country seasons. She competed in the International cross-country championship in 1970 in the US.

“Being aware of the fact that there was no future for her as a track runner, and knowing that there is no distance race on the women's athletic program, Adrienne sort of drifted away from my squad and started training with some professional distance runners. I was not surprised when I heard her marathon time.”

Finally, Adrienne herself talked with the Australian press and provided these details about herself and her race. She's 28 years old and only took up running three years ago. It was only in that last year that she had stepped up to the longer jaunts. “I just wanted to do something different,” she said. That included 100 miles a week of training. During her buildup, she ran 57:23 for 10 miles on the road—more than four minutes better than the world women's track best at that distance.

“I set a schedule of 2:50,” she said, “and was ahead of it the whole way. I knew I had the three hours well and truly beaten after 20 miles (reached in 2:06), even though there was a stiff headwind at times.”

The next day, Adrienne went 15 miles in training.

Derek Clayton, Australia's male world record holder in the marathon, commented, “God, that's an incredible run for a woman. If the performance had come from overseas, I would have found it hard to believe.”

## CHERYL BRIDGES

(At RW's request, Cherrie Bridges tells her own story of the 2:49:40 marathon at Culver City in December and the training that led up to it. It was only the second marathon for Mrs. Bridges, a 24-year old physical education teacher and graduate student from San Luis Obispo, Calif. She's run 3:14 at Culver City the previous year.)

I had been training primarily on eight- to 12-mile runs the previous six years, with my husband Larry planning my training. But this past fall,



I made a big—and as it turned out, profitable—switch. I started receiving workouts by mail from Bill Dellinger at the University of Oregon.

Dellinger's method involves endurance-intervals, and working hard one day then easier (they're not always *easy*) the next. This fall he had me doing two to four miles every morning (I had never done or thought I could handle a morning workout; that's because I'd always run them too hard or made them too long, and wouldn't have anything left for a decent afternoon workout.) The afternoon workouts varied greatly, but I didn't take any marathon-type training runs.

The cross-country season started slow, and I placed third in our district and state meets. But I still felt I was peaking at the right time. I ran a good eight-mile before going to the nationals in Cleveland, then placed third in the AAU race behind Doris Brown and Beth Bonner.

The marathon at Culver City came a week later. While running it, I could only keep comparing all my feelings to last year when I ran in it unofficially. Last year I had gone out faster—58 minutes at the 10-mile—and really felt great. This year I was 61 at 10 miles, and didn't feel all that good.

By 10 miles, I had noticed a wrinkle in my sock that was causing a lot of pain to the toes on my right foot. It doesn't sound like much, but that was a real mental battle for awhile. It really hurt. Before reaching 13 miles, I passed through a sideache and came out on top.

I could tell by 15 miles that I was holding the pace much better than the previous year. I was rewarded by hearing a time that was 10 minutes faster than before. But the next five-mile stretch was a real "bear" because of lack of stimulus.

My spirits didn't pick back up until close to the 20-mile mark, where we passed in front of the finish line as people awaited Bill Scobey's spectacular finish only minutes away. I still had a six-mile loop to run.

The next three miles really stick in my mind because I found a man was *racing* me. Every time I pulled up to pass, he pulled away, slowed until my steady pace brought me alongside, and then he pulled away again. I couldn't believe that at a point where most people are just hanging on to finish, here was a man willing to expend this much energy just to prevent a female from passing him. The three miles it took to wear him down went surprisingly fast.

However, with two miles to go, I was in trouble. I was almost ready to throw away the discipline I had maintained for 24 miles. But I knew once I walked, it would be over. I would never be able to get back into the groove.

Finally, the finish line came in sight. My husband Larry and others were waving their arms to bring me in, yelling to pick it up. Little did they know I *had*, compared to the pace of the last two miles. They were yelling for me to sprint to break 2:50. The way I felt, I was happy to break three hours. The crowd, though, already knew I'd do that, and greed had set in. They requested a sprint to insure a sub-2:50. I'm not complaining now, because I'm darn glad I picked it up and finished as fast as I did. But at the time. . .

that isn't there. Any well-conditioned girl aiming for three hours shouldn't have to worry about attacks from the super-natural at 20 miles."

Any well-conditioned boy shouldn't have to worry about such attacks, either.

Probably the hardest thing about the first marathon is thinking about it in advance. It's kind of like standing on the edge of a cold swimming pool on a hot day. You're anxious to get in, but hesitant about experiencing the first shock. So you teeter on the brink. It's best just to fall in without giving it much thought.

This is a high-mileage era. Most runners from high school on up are already marathoners, even if they don't think of themselves that way and have never gone the distance. Marathon training is the norm, even among the non-marathoners.

Today's milers put in more mileage than the marathoners of 15 years ago. Today's teenagers spend more time on the roads than the Olympic marathoners of the 1950s. These are well-conditioned runners. And as Beth Bonner says, they don't have to be overly concerned with attacks from the supernatural after 20 miles.

Arthur Lydiard, the New Zealand coach, has said, "It is a big job building up to 20 miles the first time, but in succeeding years, there will be no difficulty whatever in reaching the distance again, even with comparatively light training. In other words, to operate the marathon training system you have only to do the hard work once. You won't be coasting later, but you'll find it so much easier that it won't seem like work at all."

Lydiard wrote this 10 years ago, when even the marathoners rarely went 20 miles except in races. No wonder the races were hard—especially the first one.

Today, runners rarely go into a marathon "cold turkey," without prior long distance training. They lay the groundwork, do the "hard work" of building up mileage, in their training. They get used to the distances and the pounding of the roads by training long distances on the roads. Then the race takes care of itself—even the first race.

Just how long a would-be marathoner should go is speculation. We can't answer the question here. But common sense seems to say that it requires gradual progression to the three-hour range, though probably not at marathon speed. This varies with individuals. Some lucky ones, light-footed runners like Frank Shorter, can get by on less.

Kenny Moore says this, "You have to train over long distances if your stride isn't such that you can run without any jar. So it's absolutely essential for me to run 30-mile runs. Some people, like (Jerome) Drayton, can get away without doing that kind of training, because they are so well coordinated that they run without jarring. They don't have to be fit to stand the pounding. Frank (Shorter) is one of those kind of people. He's mechanically the most perfect distance runner I've ever seen."

Most runners aren't Jerome Draytons and Frank Shorters, and can profit by long road preparation. Happily, a good portion of distance runners these days are getting this preparation even before they think about marathons.

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A side benefit of long road training is that it teaches the runner what he can and can't handle. He learns if and when he can drink, the value of pacing, and what to wear. These lessons help him avoid problems in the race—a far better situation than trying to treat them.

The race itself can only bring out what has been put in by training and by nature. Within these limits, smart pacing (meaning “steady”) and a little old tough-minded, don't-give-in will-power determine how the race will go. It's no use going into any more detail here. You'll have to experience the race for yourself.

**Jack Bacheler in first marathon.**



One final word of caution: the race doesn't end at 26 miles 385 yards. You can still feel it acutely for hours and days afterwards—both the agony and ecstasy of it, and neither of those is too hard to handle. A satisfying race gives the legs a joyous kind of ache. It fades in a couple of days.

A wise old coach has said, however, "Just because you don't feel stiffness in your legs any longer, don't think you're recovered. Subtle things are still getting readjusted inside of you, and you're wise not to push for as much as several weeks."

Two things can happen, one fairly immediate and one a long-term destructive process. As increasing numbers of runners do more training and run more marathons, both become more obvious.

The first phenomenon is the "delayed-action ailment." We'll call this one marathoner Fred. Fred hits it hard, doing upwards of 120 miles a week on an extremely regular basis. He ran a marathon on Sunday. By Tuesday he was back to regular mileage. By Friday, Fred had a heavy chest cold. By the next Monday, his left knee was so stiff he couldn't run at all. Fred moaned, "Look at me. Just when I start to get in really good shape, everything goes wrong." Coincidence?

The long-range breakdown works slower but more decisively. A marathoner tastes a bit of success and gets greedy for more. Another runner, we'll call him Ted, ran a promising time in his first try. He immediately doubled his mileage, and started racing a marathon a month. A year later, he wasn't running any more, not a step, and was 20 pounds overweight. Nothing physical happened to him. He just got tired of all that running.

Compare last year's US marathon list with this year's. Notice that close to 50% of the sub-2:30 men from last year didn't return to that category. That statistic says something.

Addressing himself to these problems, and specifically to the less-than-championship-level marathoner, Tom Osler (author of *The Conditioning of Distance Runners*) writes:

"I have concluded that the marathon race is a definite form of self-abuse for one who trains as I do (60-80 slow miles a week). That is, to stand on the road and tell yourself that you will run as fast as possible for 26 miles is a most unnatural endeavor, and one which the body was not designed to withstand. I do it, and will continue to do it, because I like to. However, I am aware that as the fatigue progresses, I am likely to become injured and to lower my overall resistance in a most foolish way.

"Thus I only run an all-out marathon race once, or at most twice, per year. At other times, I give a measured effort, but not a total one. Most marathoners think that racing the marathon does them good. It does not, and only serves to decondition rather than condition the body. I am sure most runners are going to accuse me of babying myself. Believe me, I suffered with the best of them, until I learned to read my body's signs of fatigue and to respect them."

But this is another problem. This refers to the second, and third and later marathons. We started out talking about the first one, and that's a good way to end this piece. Whether you run 100 more or no more, you'll remember the first one. It's like a first romance. It may be pleasurable or it may be painful (most likely it'll be a combination of the two), but there'll never be anything quite like it again.

# HOT WEATHER HINTS

BY GABE MIRKIN

The one thing no one can foresee is the temperature on race day. Runners and promoters alike pray for cool air and cloudy skies, and if a little rain falls—all the better. Runners and heat don't get along at all. Statistical evidence indicates that the 40-60-degree range is ideal. Every degree over 60 can add as much as a minute to a runner's time over 26 miles.

The problem is, a depressingly large number of marathons are held on days warmer than 60. Last year, one field had to struggle through a 100-degree steam bath, and two other races drew 90-degree days.

Heat poses much more serious dangers than adding minutes to a man's time. His health is at stake. Dr. Gabe Mirkin, a marathoner from the Washington, D.C., area, offers advice on coping with this problem.

Deaths and injuries due to competition in the heat are entirely avoidable and can always be blamed on ignorance on the part of the officials or the competitor. A few simple rules can improve performance in the heat and prevent unnecessary complications from the heat.

1. *Allow 4-14 days to acclimatize to the heat.* You must exercise and sweat in hot weather to be able to handle the heat. Lying in the sun does not improve your ability to handle the heat. Do not attempt hot weather racing until you have trained in the heat for at least 4-14 days and can handle adequate workouts without being destroyed by your workout.

2. *Do not train in the sun.* The hot sun will inhibit you from adequate training. Train before the sun comes up or after the sun goes down.

3. *If you are forced to race in the heat of the day, always wear a white hat.* The effect of the hot sun on your head is detrimental.

4. *In long races pour water on your head.* It is not always necessary to drink during a race. In fact, it has been shown that you cannot absorb enough water during a race to do much good. However, evaporation of water will significantly cool your overheated body and improve your performance.

5. *After a hard workout or a race, do not drink water.* This is where the cause of injuries lies. You lose many salts and electrolytes in your sweat and when you replace just water, you dilute your body salts and are very susceptible to injuries. Drink orange juice, Gatorade, lemonade, apple juice, etc.

6. *Never take salt tablets.* First of all, you lose more than just sodium chloride (salt). You lose potassium, magnesium, etc. When you take salt tablets, you increase the disparity between these elements and sodium. Remember, the ratio of these elements to each other is important. In addition, getting used to heat has a great deal to do with the ability of the sweat glands and the kidneys to retain electrolytes. Thus, when you give your body excess salt, you are delaying the body's ability to handle heat. However, you do need to replace the lost electrolytes. This can be done by salting your food as your taste buds tell you, drinking fruit juices in place of water and Coke, and getting a balanced diet.

7. *Do not live in air conditioning if you want to race in the heat.* You must prime your sweat glands and they are not challenged in air conditioning.

8. *Know the signs and symptoms of heat stroke.* You do not suddenly get heat stroke, you will have plenty of warning.

- Your legs really start to burn.
- Breathing suddenly becomes very difficult; it burns in your chest.
- Your head starts to ache.
- You get dizzy.
- When you slow down, it hurts even worse; the warning of heat stroke is that it does not feel better to stop, *but feels worse after you stop.*

● If you faint, you are really in trouble and treatment must be started immediately; you can die.

9. *Treatment.* Forget about giving the victim fluid by mouth. It is worthless. You are interested in cooling him immediately. His temperature may be 110.

- Shock position. Legs up, head down.

● Evaporation is the key. Pour anything you can on the victim immediately (water, milk, Coke, Garorade, etc.). Rub his skin vigorously to open up the surface blood vessels. Hose water on him. The best thing to do is to rub ice cubes all over his body. Get him out of the sun.

**Above all, keep pouring something wet on him.**

If the patient is not lucid and able to communicate with you intelligently, get them to a hospital as soon as possible. But keep the person wet.

10. *Every case of heat stroke in a trained athlete must be assumed to be caused by amphetamine or other stimulant until proved otherwise.* Most deaths due to heat stroke are due to taking amphetamines before a competition on a hot day. The three bicyclists who died in the Olympics were on amphetamine. The deaths in road races on the east coast were due to amphetamines. Every athlete who has heat stroke should have his urine sent to a lab for a check of amphetamine levels. Anyone found to be taking amphetamines before athletic competition should be banned from competition for life.

# THE NEW SCHOOL SPIRIT

BY HAL HIGDON

Road runners tend to underestimate the sympathy college and high school coaches have for their cause. A case in point: 42 races on the coming year's schedule are either directly or indirectly by schools—or more specifically, by coaches and teachers at schools. Another major relay meet—Florida—has joined Kansas and Drake with a marathon on the schedule. And for the first time there'll be at least one national collegiate championship at this distance. The NAIA will hold its first race in June. The NCAA is considering one, too—possibly for late fall.

The schools, whose coaches once took an attitude ranging from indifference to outright hostility towards long distance running, have now jumped into it with both feet. The lists in this booklet reflect their new spirit. Writer-distance runner Hal Higdon suggests directions for further growth.

Two times, during a running career that has spanned a quarter-century, I have competed in the Drake Relays. In 1953 as a senior at Carleton College, I ran the two-mile and saw the finish from the other side of the track as Charlie Capazzoli won. In 1971 as a near senior citizen, I ran the marathon and was somewhere on a Des Moines sidestreet when Bruce Mortenson finished first.

But significantly, on both occasions I was running in the relay carnival's longest open event. That says something right there.

Back in 1953 there were maybe two or three full-distance marathons held in the United States. In 1971 the number of marathons was more than a hundred.

Several of these marathons took place under the sponsorship of NCAA institutions: Drake, Kansas, Oregon, Wichita State. In other cases, college and high school coaches took active part in the organizations of or encouraged their athletes to compete in these races. Those who would emphasize the differences between the NCAA and AAU often forget that many members of these two organizations have common interests, including love of sport and a desire to provide competition.

Within the next year or two the NCAA probably will add the marathon to its list of national championships. This will come about not through pressure from coaches with axes to grind, but as a natural recognition that this is where a lot of our runners already are at.

And the next logical step, or perhaps a concurrent one, will be the development of NCAA institutions of road running as a third sport, separate from cross-country or track and field.

If the name of the game is participations and not merely victory at all costs, there are a number of boys who will benefit from the establishment of such a third sport. My college team of two decades ago had a number of runners who competed in fall cross-country yet wouldn't bother coming out for track in the spring. Either they didn't enjoy going around in tight, 440-yard circles, or they weren't good enough to place in dual track meets. In the fall, of course, they could run in the woods. Also, they were close enough to fifth place (and



the scoring) to have some sense of team participation.

As any cross-country coach knows, the team is only as strong as its fifth man. So in my role of team captain I would try to lure these mediocre runners out for track. "That way you can stay in shape for cross-country," I would advise. This was opposite of the traditional viewpoint, which says you go out for cross-country to get in shape for track.

But with the new explosion of interest in road running, these fifth-man members of the cross-country team need not bother with track. They can join the marathon crowd.

Word has it that the NCAA may schedule its inevitable marathon championship in December in a warm-climate state. This certainly is preferable to tossing the race in as an adjunct to the June track and field championships. But the December date would cause NCAA road running to become merely a tack-on to its cross-country program.

I think an NCAA marathon championships might more logically come in early spring, as a climax to a winter of outdoor road running. There are several logical reasons for this. One is that racing more than two miles on a small, indoor track is an act of insanity. It not only causes blisters, but also boredom.

Second, it is difficult, if not impossible, to achieve the volume necessary for success as a long distance runner today while remaining indoors. The risk of injury from running constantly in circles far exceeds the risk of frostbite. A well-balanced training program requires outdoor winter training even if it means facing zero weather (or California smog). Actually I enjoy brutally cold weather, but I suppose all marathoners have a bit of the masochist in them.

So a college road running program might best encompass the months between December and April. After that, the better runners can rejoin the track team where 10,000- and 5000-meter races are at least tolerably fun on 440-yard tracks. If the NCAA is looking for a site for its first marathon championship, both the Kansas and Drake Relays have marathons, and in April.

But that raises another point. I consider it an act of illogic that these two relay carnivals, so near in time of year and location, should both include full-distance marathons. I can understand why, since there is magic in the word "marathon." But I wish Bob Timmons and Bob Ehrhardt would get together and say: "This year I'll make my race 13 miles, and next year it's your turn to switch."

Because of the obvious public relations value of the word marathon, promoters new to road running often turn first to that traditional distance. While praising the more than 100 marathons in the United States, I am mindful of the fact that we would have been better served had a number of those races been 10-20 miles. We need more races of medium length. As the NCAA moves into the distance running game, I hope the college coaches will not fall into the marathon trap. Their runners may be better off if they race mostly at medium distances and not necessarily ever weekend.

The new trend in club track, in fact, has been toward distance carnivals. Perhaps the most prestigious such event is the Springbank International, held in London, Ontario, at the end of September. Four road races are held together: 3 miles high school, 4½ mile open, 6 miles masters, and 12 miles open. Canton, Ohio, pioneered a new type of event recently: the mini-midi-maxi (races of 6½, 13 and 26 miles). The runners start at the same time but at different starting lines headed toward a common finishing point. In my home town of Michigan

City, Ind., we run a 5-mile high school and 10-mile open race on the same circular course. One group goes clockwise while the other group goes counter-clockwise, thus they see each other pass.

When I was stationed in Europe in the mid-1950s, I used to compete in German cross-country meets and they always held multi-events. There were class events for young boys and young girls as well as for the *herrenklasse* (the equivalent of our masters program). It was enjoyable, because in addition to competing yourself, you could watch others.

In this country where so much of our athletic program in the past has been tied to the schools, we have tended to race in isolation. A single cross-country race and everybody goes home. I see no reason why high school, college, open, masters and women's programs cannot be integrated for the enjoyment and benefit of all.

## **MARATHON HANDBOOKS**

We still have available copies of our 1970 and 1971 Marathon Handbooks. They are priced at \$1.50 (70) and \$1.75 (71) each but together we will sell them for \$2.50 while the supplies last. These two previous Handbooks are still very valuable to have. Here are some more details—

### **1970**

Our first year was a good one. The Handbook was 56 pages with eight photos one being a full center spread of the European championships in Athens. A big feature was the 1970 Calendar—a five page section. Other features that are still very timely today include: "Meet the Marathoners"—Derek Clayton, Ron Hill, Jerome Drayton, Bill Adcocks, Ken Moore, Chuck Smead. An article on LSD—Long Slow Distance, Running—Business or Art?, Race and Survive, etc. Plus of course our marathon lists. If you don't have a copy you should. **\$1.50**

### **1971**

Our second year was even better than our first. The Handbook went 68 pages and for the first time we listed everyone who broke three hours during 1971. This would be a good reason alone to buy a copy—see how you ranked for the year. But there are other reasons why you should own a copy—Pacing Chart, Who's Who in Marathoning—William Andberg, Jack Bacheler, Bob Fitts, Herb Lorenz, Byron Lowry, Ken Moore, Eamon O'Reilly, Bill Scobey, Caroline Walker, Ed Walkwitz, plus several other important articles. **\$1.75**

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Ron Hill, who says, "I'll win at Munich." (Mark Shearman photo)

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# ALL-TIME WORLD LIST

Derek Clayton came off another injury to run another time that ranks in the top eight in marathoning history. That gives him three up there. Otherwise there were few additions to the all-time world list compiled by Roger Gynn, the skilled British running statistician.

From left to right, the information on the list includes: all-time ranking, name, age, nation, number of times the individual appears on the list (his second-best mark, third, etc.), time, location of the race and date.

NAME (AGE, NATION)	TIME	SITE	DATE
1. Derek Clayton (26, Aus)	2:08:33.6	Antwerp, Belgium	30 May 69
2. Ron Hill (31, GB)	2:09:28	Edinburgh, Scot	23 Jul 70
3. Derek Clayton (25)—2	2:09:36.4	Fukuoka, Japan	3 Dec 67
4. Ron Hill (31)—2	2:10:30	Boston, Mass.	20 Apr 70
5. Akio Usami (27, Japan)	2:10:37.8	Fukuoka, Japan	6 Dec 70
6. Bill Adcocks (27, GB)	2:10:47.8	Fukuoka, Japan	8 Dec 68
7. Bill Adcocks (27)—2	2:11:07.2	Athens, Greece	6 Apr 69
8. Derek Clayton (28)—3	2:11:08.8	Hobart, Aus.	25 Sep 71
9. Eamon O'Reilly (25, US)	2:11:12	Boston, Mass.	20 Apr 70
10. Jerome Drayton (24, Can)	2:11:12.8	Fukuoka, Japan	7 Dec 69
11. Seiichiro Sasaki (22, Japan)	2:11:17	Fukuoka, Japan	3 Dec 67
12. Akio Usami (25)—2	2:11:27.8	Antwerp, Belg.	30 May 69
13. Ken Moore (27, US)	2:11:35.8	Fukuoka, Japan	6 Dec 70
14. Ron Hill (31)—3	2:11:54.4	Fukuoka, Japan	7 Dec 69
15. Morio Shigematsu (24, Jpn)	2:12:00	Chiswick, Eng.	12 Jun 65
Jerome Drayton (24)—2	2:12:00	Detroit, Mich.	19 Oct 69
17. Hayami Tanimura (25, Jpn)	2:12:03.4	Fukuoka, Japan	7 Dec 69
18. Jim Alder (30, GB)	2:12:04	Edinburgh, Scot.	23 Jul 70
19. Abebe Bikila (32, Ethiopia)	2:12:11.2	Tokyo, Japan	21 Oct 64
20. Yoshiaki Unetani (26, Jpn)	2:12:12	Fukuoka, Japan	6 Dec 70
21. John Farrington (29, Aus)	2:12:14	Hobart, Aus.	25 Sep 71
22. Bill Adcocks (26)—3	2:12:16.8	Karl-Marx-Stadt	19 May 68
23. Jack Foster (38, NZ)	2:12:17.8	Fukuoka, Japan	6 Dec 67
24. Don Faircloth (21, GB)	2:12:19	Edinburgh, Scot.	23 Jul 70
25. Dave McKenzie (24, NZ)	2:12:25.8	Fukuoka, Japan	3 Dec 67
26. Ron Hill (32)—3	2:12:39	Manchester, Eng.	13 Jun 71
27. Yoshiaki Unetani (24)—2	2:12:40.6	Fukuoka, Japan	8 Dec 68
28. Frank Shorter (24, US)	2:12:50.4	Fukuoka, Japan	5 Dec 71
29. Pablo Garrido (31, Mexico)	2:12:52.8	Fukuoka, Japan	7 Dec 69
30. John Farrington (28)—2	2:12:58.4	Fukuoka, Japan	6 Dec 70
31. Toshiharu Sasaki (23, Jpn)	2:13:06.4	Fukuoka, Japan	7 Dec 69
32. Karel Lismont (22, Bel)	2:13:09	Helsinki, Fin.	15 Aug 71
33. Akio Yoshida (24, Japan)	2:13:21	Fukuoka, Japan	7 Dec 69
34. Akio Usami (28)—3	2:13:22.8	Fukuoka, Japan	5 Dec 71

35. Seiichiro Sasaki (22)—2	2:13:23.8	Beppu, Japan	4 Feb 68
36. Kenji Kimihara (28, Jpn)	2:13:25.8	Athens, Greece	6 Apr 69
37. Niculae Mustata (27, Rum)	2:13:26.2	Karl-Marx-Stadt	19 May 68
38. Trevor Wright (24, GB)	2:13:27	Manchester Eng.	13 Jun 71
39. Ken Moore (26)—2	2:13:27.8	Fukuoka, Japan	7 Dec 69
40. Bill Adcocks (29)—4	2:13:32	Fukuoka, Japan	6 Dec 70
41. Kenji Kimihara (25)—2	2:13:33.4	Beppu, Japan	5 Feb 67
42. Tadaaki Ueoka (26, Jpn)	2:13:37.6	Fukuoka, Japan	8 Dec 68
43. Seiichiro Sasaki (21)—3	2:13:38.6	Beppu, Japan	5 Feb 67
44. Derek Clayton (27)—4	2:13:39	Traralgon, Aus.	6 Jun 70
45. Toru Terasawa (30, Jpn)	2:13:41	Chiswick, Eng.	12 Jun 65
46. Ron Hill (30)—5	2:13:42	Manchester, Eng.	20 Jul 69
47. Ismail Akcay (26, Turkey)	2:13:43.6	Fukuoka, Japan	8 Dec 68
48. Jack Foster (39)—2	2:13:44.2	Fukuoka, Japan	5 Dec 71
49. Alastair Wood (33, GB)	2:13:45	Forres, Scot.	9 Jul 66
Akio Usami (27)—4	2:13:45	Manchester, Eng.	23 Aug 70
51. Jurgen Busch (25, EG)	2:13:45.2	Karl-Marx-Stadt	19 May 68
Hayami Tanimura (27)—2	2:13:45.2	Kyoto, Japan	7 Feb 71
53. Bill Adcocks (28)—5	2:13:46	Otsu, Japan	12 Apr 70
Tadaaki Ueoka (28)—2	2:13:46	Fukuoka, Japan	6 Dec 70
55. Akio Usami (24)—5	2:13:49	Otsu, Japan	12 Apr 70
Yoshiaki Unetani (24)—3	2:13:49	Boston, Mass.	21 Apr 69
57. Akio Usami (24)—6	2:13:51.8	Fukuoka, Japan	8 Dec 68
58. Basil Heatley (30, GB)	2:13:55	Chiswick, Eng.	13 Jun 64
59. Trevor Wright (24)—2	2:13:59.6	Helsinki, Finland	15 Aug 71
60. Jurgen Busch (28)—2	2:14:03	Manchester, Eng.	13 Jun 71
61. Tadaaki Ueoka (26)—3	2:14:03.2	Beppu, Japan	2 Feb 69
62. Mike Ryan (24, NZ)	2:14:04.6	Fukuoka, Japan	27 Nov 66
63. Hidekuni Hiroshima (29, Jn)	2:14:05.2	Fukuoka, Japan	27 Nov 66
64. Gilbert Gauthier (35, Fr)	2:14:08	Berchem, Belg.	18 Sep 70
65. Ron Hill (25)—7	2:14:12	Chiswick, Eng.	13 Jun 64
66. Jim Alder (27)—2	2:14:14.4	Karl-Marx-Stadt	19 May 68
67. Yoshiaki Unetani (25)—4	2:14:19	Otsu, Japan	12 Apr 70
68. Yoshiaki Unetani (23)—5	2:14:24	Otsu, Japan	14 Apr 68
69. Bud Edelen (25, US)	2:14:28	Chiswick, Eng.	25 Jun 63
Yuriy Volkov (32, USSR)	2:14:28	Fukuoka, Japan	6 Dec 70
71. Amby Burfoot (22, US)	2:14:28.8	Fukuoka, Japan	8 Dec 68
72. Bud Edelen (27)—2	2:14:34	Chiswick, Eng.	12 Jun 65
73. Ron Hill (32)—8	2:14:34.8	Helsinki, Fin.	15 Aug 71
74. Toru Terasawa (31)—2	2:14:35	Beppu, Japan	13 Feb 66
75. Toru Terasawa (30)—3	2:14:38	Beppu, Japan	7 Feb 65
Jeff Julian (34, NZ)	2:14:38	Fukuoka, Japan	7 Dec 69
77. Masatsuga Futsuhara (29, J)	2:14:40	Fukuoka, Japan	3 Dec 67
78. Jurgen Busch (27)—3	2:14:41.2	Karl-Marx-Stadt	10 May 70
79. Brian Kilby (25, GB)	2:14:43	Port Talbot	6 Jul 63

80. Kazuo Yamashita (25, Jpn)	2:14:44	Fukuoka, Japan	8 Dec 68
Jack Foster (38)—3	2:14:44	Edinburgh, Scot.	23 Jul 70
82. Jim Alder (27)—3	2:14:44.8	Fukuoka, Japan	3 Dec 67
83. Kenji Kimihara (27)—3	2:14:46	Otsu, Japan	14 Apr 68
84. Derek Clayton (25)—5	2:14:47.8	Hobart Aus.	25 May 68
85. Toru Terasawa (29)—4	2:14:48.2	Fukuoka, Japan	6 Dec 64
86. Yoshiaki Unetani (23)—6	2:14:49.6	Fukuoka, Japan	3 Dec 67
87. Akio Usami (23)—7	2:14:50.2	Beppu, Japan	5 Feb 67
88. Hirokazu Okabe (24, Jpn)	2:14:52	Beppu, Japan	13 Feb 66
89. Pat McMahon (28, Ire)	2:14:53	Boston, Mass.	20 Apr 70
90. Don Faircloth (22)—2	2:14:58.6	Kyoto, Japan	7 Feb 71
91. Gyula Toth (31, Hungary)	2:14:59	Karl-Marx-Stardt	19 May 68
Pentti Rummakko (26, Fin)	2:14:59	Boston, Mass.	20 Apr 70
93. Sean Healy (25, Ire)	2:15:02.6	Kaduna, Nigeria	28 Aug 71
94. John Stephen (28, Tanz)	2:15:05	Edinburgh, Scot.	23 Jul 70
95. Ismail Akcay (26)—2	2:15:07.6	Athens, Greece	6 Apr 69
96. Hirokazu Okabe (25)—2	2:15:09.2	Fukuoka, Japan	27 Nov 66
97. Bud Edelen (26)—3	2:15:09.6	Kosice, Czech.	13 Oct 63
98. Bill Adcocks (28)—6	2:15:10	Edinburgh, Scot.	23 Jul 70
99. Kenji Kimihara (27)—4	2:15:15	Chiswick, Eng.	15 Jun 68
100. Toru Terasawa (28)—5	2:15:15.8	Beppu, Japan	17 Feb 63

# 1971 WORLD LIST

World marathoning was generally quiet in the pre-Olympic year, but still had considerably better performances in depth than ever before. For the second straight year, there were 100 times under 2:20. Frank Shorter made a strong push for world leadership as he ran the year's fourth-fastest time and won two major championships—Pan-American Games and Fukuoka.

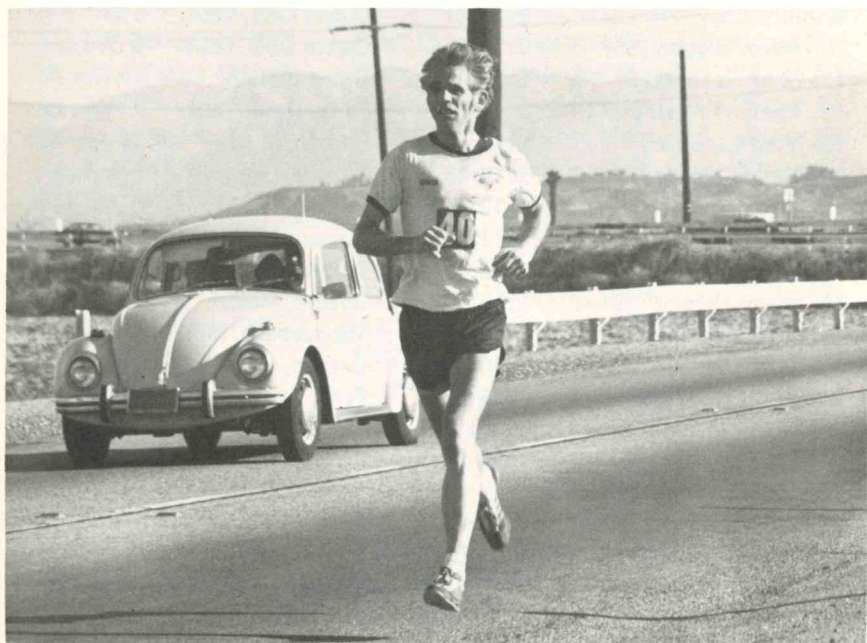
This list is also the work of Roger Gynn, and it follows the same format as the preceding one.

NAME (AGE, NATION)	TIME	SITE	DATE
1. Derek Clayton (28, Aus)	2:11:08.8	Hobart, Aus.	25 Sep
2. John Farrington (29, Aus)	2:12:14	Hobart, Aus.	25 Sep
3. Ron Hill (32, GB)	2:12:39	Manchester, Eng.	13 Jun
4. Frank Shorter (24, US)	2:12:50.4	Fukuoka, Japan	5 Dec
5. Karel Lismont (22, Belg)	2:13:09	Helsinki, Fin.	15 Aug
6. Akio Usami (28, Japan)	2:13:22.8	Fukuoka, Japan	5 Dec
7. Trevor Wright (GB, 24)	2:13:27	Manchester, Eng.	13 Jun
8. Jack Foster (39, NZ)	2:13:44.2	Fukuoka, Japan	5 Dec
9. Hayami Tanimura (27, Jpn)	2:13:45.2	Kyoto, Japan	7 Feb
10. Trevor Wright (24)—2	2:13:59.6	Helsinki, Fin.	15 Aug
11. Jurgen Busch (28, EG)	2:14:03	Manchester, Eng.	13 Jun
12. Ron Hill (32)—2	2:14:34.8	Helsinki, Fin.	15 Aug
13. Don Faircloth (22, GB)	2:14:58.6	Kyoto, Japan	7 Feb
14. Sean Healy (25, Ire)	2:15:02.6	Kaduna, Nig.	28 Aug
15. Jeff Julian (35, NZ)	2:15:19	Manchester, Eng.	13 Jun
16. Colin Kirkham (26, GB)	2:15:21	Manchester, Eng.	13 Jun
Bill Scobey (26, US)	2:15:21	Culver City, Calif.	5 Dec
18. Alex Wight (28, GB)	2:15:27	N. Berwick, Scot.	8 May
19. Jim Wight (26, GB)	2:15:43	N. Berwick, Scot.	8 May
Jim Alder (30, GB)	2:15:43	Manchester, Eng.	13 Jun
21. Steve Badgery (24, GB)	2:15:44	Manchester, Eng.	13 Jun
22. John Farrington (29)—2	2:15:46	Hamilton, N.Z.	23 Oct
23. Karel Lismont (22)—2	2:15:48.2	Brussels, Belg.	20 Jun
24. Norm Higgins (35, US)	2:15:52	Culver City, Calif.	5 Dec
Akio Usami (28)—2	2:15:52	Munich, W.G.	12 Sep
26. Brenton Norman (26, Aus)	2:16:03	Hobart, Aus.	25 Sep
27. Alastair Wood (38, GB)	2:16:06	Manchester, Eng.	13 Jun
28. Neal Cusack (Ireland)	2:16:18.2	Atlanta, Ga.	18 Dec
29. Mike Hazilla (25, US)	2:16:20.6	Detroit, Mich.	17 Oct
30. Seppo Nikkari (23, Fin)	2:16:21.4	Fukuoka, Japan	5 Dec
31. Colin Kirkham (26)—2	2:16:22	Helsinki, Fin.	15 Aug
32. Jerry Manners (NZ)	2:16:23.4	Fukuoka, Japan	5 Dec
33. Eric Austin (35, GB)	2:16:24	Manchester, Eng.	13 Jun
34. Pentti Rummakko (27, Fin)	2:16:33.6	Mantsala, Fin.	28 Mar

35. Seppo Nikkari (23)—2	2:16:35.4	Mantsala, Fin.	28 Mar
Markku Salminen (24, Fin)	2:16:35.4	Mantsala, Fin.	28 Mar
37. Lutz Philipp (30, WG)	2:16:39.2	Kyoto, Japan	7 Feb
38. Jeff Norman (26, GB)	2:16:45	Manchester, Eng.	13 Jun
39. Yoshiaki Unetani (26, Jpn)	2:16:45.4	Otsu, Japan	21 Mar
40. Ken Moore (27, US)	2:16:48.6	Eugene, Ore.	6 Jun
41. Kenji Kimihara (29, Jpn)	2:16:52	Beppu, Japan	7 Feb
42. Bernie Allen (25, GB)	2:16:54.2	Enschede, Neth.	4 Sep
43. Kenji Kimihara (30)—2	2:17:00.6	Munich, WG	12 Sep
44. Mike Freary (32, GB)	2:17:10	Manchester, Eng.	13 Jun
45. Dave McKenzie (27, NZ)	2:17:16.4	Invercargill, NZ	6 Mar
46. Alvaro Mejia (30, Col)	2:17:22.2	Burlingame, US	7 Mar
47. Agustin Fernandez (Sp)	2:17:26.4	Brussels, Belg.	20 Jun
48. Gennadiy Soldatov (Su)	2:17:27.8	Kaliningrad, SU	17 Oct
49. Jurgen Busch (28)—2	2:17:30	Karl-Marx-Stadt	1 May
Jacinto Savinal (29, Mexico)	2:17:30	Culver City, Calif.	5 Dec
51. Joachim Truppel (20, EG)	2:17:34.2	Karl-Marx-Stadt	1 May
52. Kunio Fujita (25, Japan)	2:17:37.6	Kyoto, Japan	7 Feb
53. John Farrington (29)—3	2:17:41	Fukuoka, Japan	5 Dec
54. Bjarne Sletten (32, Nor)	2:17:42.8	Meisingset, Nor.	10 Jul
55. Harold Leeming (25, GB)	2:17:44	Manchester, Eng.	13 Jun
56. Frank Shorter (23)—2	2:17:44.6	Eugene, Ore.	6 Jun
57. Jim Craven (31, GB)	2:17:48	Manchester, Eng.	13 Jun
58. Gaston Roelants (34, Bel)	2:17:48.8	Helsinki, Fin.	15 Aug
59. Carlos Perez (35, Spain)	2:17:49	Brussels, Bel.	20 Jun
60. Ferdy le Grange (22, SA)	2:17:51.4	Durbanville, S.A.	8 May
61. Laurie Austin (29, GB)	2:17:56	Manchester, Eng.	13 Jun
62. Pentti Rummakko (27)—2	2:17:57	Fukuoka, Japan	5 Dec
63. Pentti Rummakko (27)—3	2:17:58.8	Helsinki, Fin.	15 Aug
64. Yasunori Hamada (24, Jpn)	2:18:00	Kyoto, Japan	7 Feb
65. Kalle Hakkarainen (30, Fin)	2:18:01.2	Karl-Marx-Stadt	1 May
66. Juan Hidalgo (25, Spain)	2:18:04	Palencia, Spain	16 May
67. Toshiharu Sasaki (24, Jn)	2:18:05.2	Beppu, Japan	7 Feb
68. Lutz Philipp (30)—2	2:18:08.6	Helsinki, Fin.	15 Aug
69. Boris Maslakov (30, SU)	2:18:10	Kaliningrad, S.U.	17 Oct
70. John Newsome (30, GB)	2:18:10.2	Prague, Cze.	16 Oct
71. John Newsome (29)—2	2:18:15	Huddersfield, Eng.	12 Apr
72. Jan Wawrzuta (27, Pol)	2:18:17.2	Karl-Marx-Stadt	1 May
73. Kimio Otsuka (27, Japan)	2:18:17.6	Nagano, Japan	18 Apr
74. Dave Holt (27, GB)	2:18:22	Harlow, Eng.	23 Oct
75. Yuiry Maurin (27, SU)	2:18:24		
76. Einar Weidemann (26, Nor)	2:18:25.6	Meisingset, Nor.	10 Jul
77. Roland Winkler (24, EG)	2:18:26.4	Prague, Cze.	16 Oct
78. Agustin Fernandez—2	2:18:26.6	Helsinki, Fin.	15 Aug
79. Phil Hampton (36, GB)	2:18:31	Chiswick, Eng.	26 Jun



	Neil Ryan (28, Aus)	2:18:31	Tyabb, Aus.	26 Jul
81.	Andy Boychuk (30, Can)	2:18:34	Weribee, Aus.	31 Jul
82.	Alvaro Mejia (30)—2	2:18:45	Boston, Mass.	19 Apr
	Kalle Hakkarainen (30)—2	2:18:45	Helsinki, Fin.	15 Aug
84.	Anatoliy Kopanyev (SU)	2:18:47	Kaliningrad, S.U.	17 Oct
85.	Pat McMahon (29, Ire)	2:18:47.4	Anaheim, Calif.	6 Feb
86.	Kenichi Otsuki (25, Japan)	2:18:48.6	Kyoto, Japan	7 Feb
87.	Pat McMahon (29)—2	2:18:50	Boston, Mass.	19 Apr
88.	George Brockbank (27, GB)	2:18:51	Manchester, Eng.	13 Jun
89.	Fumikatsu Okita (20, Jpn)	2:18:54.6	Beppu, Japan	7 Feb
90.	Paul Angenvoorth (25, WG)	2:18:57	Manchester, Eng.	13 Jun
91.	Gyula Toth (34, Hun)	2:18:59.6	Helsinki, Fin.	15 Aug
92.	Don Macgregor (31, GB)	2:19:00	N. Berwick, Scot.	8 May
93.	Don Macgregor (32)—2	2:19:00.2	Bensberg, W.G.	
94.	Ferdy le Grange (22)—2	2:19:02.2	Durbanville, S.A.	6 Mar
95.	Vaclav Mladek (29, Cze)	2:19:04.2	Munich, W.G.	12 Sep
96.	Vasiliy Sterlyagov (29, SU)	2:19:05	Kaliningrad, S.U.	17 Oct
97.	Jurgen Vesper (EG)	2:19:10.4	Karl-Marx-Stadt	1 May
98.	Dan McDaid (30, Ireland)	2:19:07.2	Helsinki, Fin.	15 Aug
99.	Yuiry Velikorodnikh (29)	2:19:10.6	Moscow, S.U.	17 Jul
100.	Dave McKenzie (27)—2	2:19:14	Christchurch, N.Z.	23 Jan



**Norm Higgins returned after five years away from marathoning to run his best time of 2:15:52—at age 35! (Donald Duke photo)**

# ALL-TIME U.S. LIST

The all-time top 100 gets tougher to crack every year. Last year, marks over 2:25 would still make it. Now it takes 2:23:46 just to get on, and runners have to go below 2:20 to get in the top 25%.

The following list has the top 100 times by US citizens (including details on all-time rank, name, age, number of times the individual is on the list, time, site and date). There's a supplementary list at the end of other runners who have broken 2:30.

In all US lists this year, strong emphasis is being put on course accuracy. Courses that aren't certified as full-distance by the AAU are marked with an \*.

NAME (AGE)	TIME	SITE	DATE
1. Eamon O'Reilly (25)	2:11:12	Boston, Mass.	20 Apr 70
2. Kenny Moore (27)	2:11:35.8	Fukuoka, Japan	6 Dec 70
3. Frank Shorter (24)	2:12:50.4	Fukuoka, Japan	5 Dec 71
4. Kenny Moore (26)—2	2:13:27.8	Fukuoka, Japan	7 Dec 69
5. Bud Edelen (25)	2:14:28	Chiswick, England	15 Jun 63
6. Amby Burfoot (22)	2:14:28.8	Fukuoka, Japan	8 Dec 68
7. Bud Edelen (27)—2	2:14:38	Chiswick, England	12 Jun 65
8. Bud Edelen (25)—3	2:15:09.6	Kosice, Czech.	13 Oct 63
9. Bill Scobey (26)	2:15:21	Culver City, Calif.	5 Dec 71
10. Norm Higgins (35)	2:15:52	Culver City, Calif.	5 Dec 71
11. Mike Hazilla (25)	2:16:20.6	Detroit, Mich.	17 Oct 71
12. Eamon O'Reilly (23)—2	2:16:39.8	Santa Rosa, Calif.	21 Apr 68
13. Tom Laris (26)	2:16:48	Boston, Mass.	19 Apr 67
14. Kenny Moore (27)—3	2:16:48.6	Eugene, Ore.	6 Jun 71
15. Frank Shorter (23)—2	2:17:44.5	Eugene, Ore.	6 Jun 71
16. Lou Castagnola (30)	2:17:48	Boston, Mass.	19 Apr 67
17. Bud Edelen (27)—4	2:18:12.4	Tokyo, Japan	21 Oct 64
18. Norm Higgins (29)—2	2:18:26	Boston, Mass.	19 Apr 66
19. Tom Heinonen (22)	2:18:29.4	Minneapolis, Minn.	19 May 68
20. Mike Hazilla (20)—2	2:18:46.5	Detroit, Mich.	26 Nov 66
21. Bud Edelen (25)—5	2:18:56.8	Fukuoka, Japan	2 Dec 62
22. Norm Higgins (29)—3	2:19:13	Culver City, Calif.	11 Dec 65
23. Herb Lorenz (32)	2:19:16.7	Eugene, Ore.	6 Jun 71
24. Kenny Moore (26)—4	2:19:47	Boston, Mass.	20 Apr 70
25. John Kelley (26)	2:20:05	Boston, Mass.	20 Apr 57
John Vitale (22)	2:20:05	Eugene, Ore.	6 Jun 71
27. John Kelley (29)—2	2:20:13.6	Yonkers, N.Y.	22 May 60
28. John Vitale (23)—2	2:20:16.2	Enschede, Holland	4 Sep 71
29. Scott Bringham (22)	2:20:18*	Las Vegas, Nev.	6 Feb 71
30. Ralph Buschmann (25)	2:20:20	Boston, Mass.	19 Apr 65
31. Ron Daws (31)	2:20:23	Boston, Mass.	21 Apr 69

32. Bill Scobey (26)—2	2:20:35	Eugene, Ore.	6 Jun 71
33. Bill Clark (26)	2:20:39.2	Beppu, Japan	8 Feb 70
34. Herb Lorenz (31)—2	2:20:40.8	Toronto, Canada	24 Aug 70
35. Steve Matthews (26)	2:20:41	Minneapolis, Minn.	19 May 68
36. Floyd Godwin (23)	2:50:52	Minneapolis, Minn.	19 May 68
37. John Kelley (27)—3	2:20:55.6*	Jersey City, N.J.	11 Oct 58
38. Kenny Moore (26)—5	2:20:58*	Seaside, Ore.	28 Feb 70
39. Bud Edelen (27)—6	2:21:00.3	Krefeld, W. Ger.	2 May 65
40. John Kelley (27)—4	2:21:00.4	Yonkers, N.Y.	18 May 58
41. Byron Lowry (23)	2:21:07.6	Culver City, Calif.	6 Dec 70
42. Bruce Mortenson (27)	2:21:09.8	Seaside, Ore.	27 Feb 71
43. Mike Mittelstadt	2:21:21	Viareggio, Italy	14 Jun 70
44. Herb Lorenz (31)—3	2:21:34.8	Long Island, N.Y.	3 May 70
45. Jose Cortez (19)	2:21:38*	Eugene, Ore.	3 Oct 71
46. Tom Laris (25)—2	2:21:44	Boston, Mass.	19 Apr 66
47. Jay Dirksen (24)	2:21:53*	Naperville, Ill.	6 Dec 69
48. John Kelley (28)—5	2:21:54.4	Yonkers, N.Y.	24 May 59
49. Hal Higdon (32)	2:21:55	Boston, Mass.	20 Apr 64
50. Jack Bacheler (26)	2:22:00*	Atlanta, Ga.	26 Dec 70
Tom Robinson (20)	2:22:00	Seaside, Ore.	27 Feb 71
52. Bob Deines (21)	2:22:04	Las Vegas, Nev.	25 Jan 69
53. Skip Houk (26)	2:22:05	Santa Rosa, Calif.	21 Apr 68
54. Russ Pate (24)	2:22:09*	Eugene, Ore.	3 Oct 71
55. Jeff Galloway (25)	2:22:10	Eugene, Ore.	6 Jun 71
56. John Kelley (33)—6	2:22:15	Holyoke, Mass.	14 Jun 64
Bob Scharf (29)	2:22:15	Boston, Mass.	19 Apr 66
58. Amby Burfoot (21)—2	2:22:17	Boston, Mass.	19 Apr 68
Bill Clark (26)—2	2:22:17	Boston, Mass.	20 Apr 70
60. Gordon McKenzie (32)	2:22:18	Boston, Mass.	19 Apr 60
61. Mike Mahler (26)	2:22:25	San Diego, Calif.	10 Jan 70
62. Bob Deines (20)—2	2:22:28	Culver City, Calif.	12 May 68
63. Bud Edelen (24)—7	2:22:32	Cardiff, Wales	21 Jul 62
64. Byron Lowry (24)—2	2:22:33	Burlingame, Calif.	7 Mar 71
65. Jim Green	2:22:37	Boston, Mass.	19 Apr 60
66. Bill Clark (27)—3	2:22:38	San Diego, Calif.	9 Jan 71
67. Frank Shorter (23)—3	2:22:40	Cali, Colombia	5 Aug 71
68. Carl Hatfield (24)	2:22:44	Canton, Ohio	10 Oct 71
69. Byron Lowry (24)—3	2:22:45	Eugene, Ore.	6 Jun 71
John Vitale (22)—3	2:22:45	Boston, Mass.	19 Apr 71
71. Castagnola (30)—2	2:22:46	Washington, D.C.	19 Feb 67
72. Bill Clark (24)—4	2:22:49	Boston, Mass.	19 Apr 68
Bob Deines (21)—3	2:22:49	Boston, Mass.	21 Apr 69
74. Norm Higgins (29)—4	2:22:50.8	Yonkers, N.Y.	15 May 66
75. Jim Freeman (25)	2:22:53.9	Culver City, Calif.	10 Dec 67
76. Norm Higgins (34)—5	2:22:54.2	New York, N.Y.	19 Sep 71

77. Dave White (19, Cal)	2:22:55	Culver City, Calif.	5 Dec 71
78. Bill Mills (26)	2:22:55.4	Tokyo, Japan	21 Oct 64
79. Nick Kitt	2:22:59	Culver City, Calif.	12 May 68
80. Skip Houk (29)—2	2:23:06	Eugene, Ore.	6 Jun 71
Don Lakin	2:23:06	Santa Rosa, Calif.	21 Apr 68
82. Herb Lorenz (32)—4	2:23:06	Enschede, Holland	4 Sep 71
83. Jeff Galloway (24)—2	2:23:08*	Atlanta, Ga.	26 Dec 70
84. Greg Brock	2:23:19	Culver City, Calif.	5 Dec 71
85. Byron Lowry (24)—4	2:23:20	Boston, Mass.	19 Apr 71
86. Art Coolidge (24)	2:23:23	Boston, Mass.	19 Apr 71
87. Bill Scobey (25)—3	2:23:23.2	Culver City, Calif.	6 Dec 70
88. Charles Harris (30)	2:23:24	Burlingame, Calif.	7 Mar 71
89. Ed Walkwitz (19)	2:23:26	Boston, Mass.	20 Apr 70
90. Wayne Van Dellen (30)	2:23:30	Culver City, Calif.	10 Dec 67
91. Steve Matthews (26)—2	2:23:31	Las Vegas, Nev.	27 Jan 68
92. Doug Wiebe (25)	2:23:34	Santa Rosa, Calif.	21 Apr 68
93. Vic Nelson (21)	2:23:38*	Pullman, Wash.	2 Aug 70
94. John Kelley (28)—7	2:23:43	Boston, Mass.	19 Apr 59
Bruce Mortenson (27)-2	2:23:43*	Hurley, Wisc.	14 Aug 71
96. Jon Anderson	2:23:44	Petaluma, Calif.	12 Dec 71
97. Tom Fleming (19)	2:23:44.2	New York, N.Y.	21 Mar 71
98. Ron Daws (29)—2	2:23:45	Minneapolis, Minn.	21 May 67
Doug Wiebe (25)—2	2:23:45	Las Vegas, Nev.	27 Jan 68
100. McKenzie (32)—2	2:23:46	Yonkers, N.Y.	22 May 60

#### 2:23:47 to 2:24:59

2:23:47	Steve Dean (21) 1971
2:23:54	Willie Speck 1971
2:23:56	Jeff Reneau (24) 1967
2:24:03*	Barry Brown (27) 1971
2:24:10	Bob Fitts (27) 1970
2:24:19	Doug Schmenk (19) 1971
2:24:20	Mike Kimball (27) 1967
2:24:29	Moses Mayfield (25) 1970
2:24:48	Eddie Cadena 1968
2:24:49	Gene Comroe 1968

#### 2:25:00 to 2:25:59

2:25:06	Gar Williams (32) 1965
2:25:14*	Ron Eller 1967
2:25:16	Jose Barela 1968
2:25:16	Chuck Walker (18) 1971
2:25:25	George Foulds 1964
2:25:26	Phil Burkewist (20) 1970
2:25:52*	Jim Backus 1970
2:25:52*	Jim Hatcher 1971
2:25:52	Bob Thurston (27) 1971
2:25:54*	Jack Mahurin (28) 1970
2:25:58	Fred Best (35) 1971

#### 2:26:00 to 2:26:59

2:26:00	Jim Colvin (21) 1970
2:26:06	Jeromee Liebenberg (23) '71
2:26:02*	Bruce LaBudde 1967
2:26:10	John Loeschhorn 1970
2:26:24	Peter McArdle (35) 1964
2:26:25*	Greg Carlberg (22) 1971
2:26:25	Bill Norris 1971
2:26:30	Al Confalone 1960
2:26:32*	Tom Hoffman (23) 1971
2:26:36*	Phil Camp (22) 1970
2:26:42*	Jerry Jobski (26) 1971
2:26:43	Lou Coppens 1970
2:26:44*	Ted Corbitt (38) 1958
2:26:50	Ed Goodfriend (19) 1970
2:26:51	Joe Smith 1942
2:26:52	Karl Weiser 1967
2:26:52*	Rudy Mendez 1956
2:26:56*	Jim McFadden (30) 1970
2:26:56	Larry Pontinen 1971

#### 2:27:00 to 2:27:59

2:27:05	Ken Mueller (34) 1971
2:27:09*	Gareth Hayes 1971

2:27:12 Jack Fultz 1971  
 2:27:15 Bill Anderson (27) 1970  
 2:27:17 Alex Breckenridge (30) '62  
 2:27:24 Ed Hereford 1969  
 2:27:29 Grif Balthis (28) 1970  
 2:27:27 Tarzan Brown 1940  
 2:27:29 Gary Vann (20) 1967  
 2:27:34\* Chuck Ceronsky 1970  
 2:27:37 Rick Bayko (23) 1971  
 2:27:37 Howard Labrie (20) 1971  
 2:27:40 Rich Goldner 1971  
 2:27:46\* Terry Ziegler (20) 1971  
 2:27:48 Tom Ratliffe (21) 1969  
 2:27:53 Gary Muhrcke 1969  
 2:27:56 Tom Bache (28) 1971

**2:28:00 to 2:28:59**

2:28:01 Chuck Smead (19) 1971  
 2:28:03 Lou Gregory (36) 1942  
 2:28:03 Justin Gubbins (19) 1971  
 2:28:03\* Hal Jackson 1971  
 2:28:08\* Gerry Garcia 1967  
 2:28:12 Gary Miller (20) 1971  
 2:28:27 Virgil Yehnert (41) 1970  
 2:28:28\* Jack Barry 1958  
 2:28:30\* Charles Warthan (21) 1971  
 2:28:30 Jim Vedder (29) 1970  
 2:28:31 Peter Stipe (22) 1970  
 2:28:33 John Brennand (36) 1971  
 2:28:34 George Husaruk 1965  
 2:28:35 Danny Cole 1970

2:28:38\* Marshall Adams (26) 1970  
 2:28:43 Darren George (23) 1971  
 2:28:49 Jim McDonagh (46) 1970  
 2:28:49 Ron Sayers 1971  
 2:28:50 John Lesch (30) 1971  
 2:28:52 Jack Leydig (25) 1969  
 2:28:53 Darryl Beardall (34) 1970  
 2:28:55\* Richard Ashley 1964

**2:29:00 to 2:29:59**

2:29:01 Len Lundmark 1968  
 2:29:04 Tom Osler (26) 1967  
 2:29:06 Bob Carman (28) 1960  
 2:29:09 John Booras 1965  
 2:29:09\* Don Kennedy 1971  
 2:29:14 Ron Elijah (18) 1971  
 2:29:21 Bill Gookin (35) 1967  
 2:29:22 Bill Harvey 1967  
 2:29:23 Phil Weiser 1967  
 2:29:24\* Lee Fidler 1971  
 2:29:25 Ralph Thomas (35) 1971  
 2:29:29\* Mike Manley (29) 1971  
 2:29:33 Tom McCarthy 1965  
 2:29:38\* Robert Yslas 1968  
 2:29:39 Dave Russell (23) 1971  
 2:29:42 Coleman Mooney 1964  
 2:29:42\* Phil Ryan (23) 1970  
 2:29:43\* Mike Gregorio 1970  
 2:29:52 Scott Daggatt (18) 1971  
 2:29:55 Gary Dobrenz (24) 1971  
 2:29:57 Tom Derderian (21) 1970

***RUN IN THE MARATHON WHERE  
 EVERYONE IS WELCOME!***

**AMERICAN MARATHON – CANTON, OHIO  
 (also half- and quarter-marathons and women's quarter-marathon)**

**SATURDAY, OCTOBER 8, 1972 – 1 P.M.**

**Contact: Marathon Committee, Downtown Canton YMCA, 405-2nd St. N.W.  
 Canton, Ohio 44702 – Phone (216) 456-7141**

# 1971 U.S. LIST

Both the 2½ and three-hour figures are significant. Two-thirty is the cutoff point for the nation's leaders, and 3:00 gives a good idea of the country's depth. Look what's happening in US marathoning. There are 120 sub-2:30 races listed for 1971 (compared to 70 in 1970, and just 28 in 1969). The number of sub-3:00 runners is up from about 700 a year ago to over 1000 now.

This US list includes citizens as well as resident non-citizens such as Alvaro Mejia, Pat McMahon and Neal Cusack. Information given in the sub-2:30 listings is yearly rank, name, age, state, individual's performance (second-best, third-best, etc.), time, site and date. "Jr" indicates a junior runner—under 20 years old. "Sr" represents senior, or over 40.

Again, stress is put on certified courses. Those that aren't certified officially by Ted Corbitt's AAU standards committee are marked with an \*.

NAME (AGE, STATE)	TIME	SITE	DATE
1. Frank Shorter (24, Fla)	2:12:50.4	Fukuoka, Japan	5 Dec
2. Bill Scobey (26, Calif)	2:15:21	Culver City, Calif.	5 Dec
3. Norm Higgins (35, Conn)	2:15:52	Culver City, Calif.	5 Dec
4. Neal Cusack (Tenn/Ireland)	2:16:18.2*	Atlanta, Ga.	18 Dec
5. Mike Hazilla (25, Mich)	2:16:20.6	Detroit, Mich.	17 Oct
6. Kenny Moore (27, Ore)	2:16:48.6	Eugene, Ore.	6 Jun
7. Alvaro Mejia (30, Cal/Col)	2:17:22.2	Burlingame, Calif.	7 Mar
8. Frank Shorter (23)—2	2:17:44.5	Eugene, Ore.	6 Jun
9. Alvaro Mejia (30)—2	2:18:45	Boston, Mass.	19 Apr
10. Pat McMahon (29, Mass/Ire)	2:18:47.4	Anaheim, Calif.	6 Feb
11. Pat McMahon (29)—2	2:18:50	Boston, Mass.	19 Apr
12. Herb Lorenz (32, NJ)	2:19:16.7	Eugene, Ore.	6 Jun
13. John Vitale (22, Conn)	2:20:05	Eugene, Ore.	6 Jun
14. John Vitale (23)—2	2:20:16.2	Enschede, Holland	4 Sep
15. Scott Bringham (22, Utah)	2:20:18*	Las Vegas, Nev.	6 Feb
16. Wayne Badgley (27, Ca/Aus)	2:20:25	Culver City, Calif.	5 Dec
17. Bill Scobey (26)—2	2:20:35	Eugene, Ore.	6 Jun
18. Bruce Mortenson (27, Min)	2:21:09.8	Seaside, Ore.	27 Feb
19. Jose Cortez (19, Cal)	2:21:38*	Eugene, Ore.	3 Oct
20. Tom Robinson (20, Wash)	2:22:00	Seaside, Ore.	27 Feb
21. Russ Pate (24, Ore)	2:22:09*	Eugene, Ore.	3 Oct
22. Jeff Galloway (25, Fla)	2:22:10	Eugene, Ore.	6 Jun
23. Johnny Halberstadt (21, SA)	2:22:23	Tulsa, Okla.	13 Mar
24. Byron Lowry (24, Calif)	2:22:33	Burlingame, Calif.	7 Mar
25. Bill Clark (27, Calif)	2:22:38	San Diego, Calif.	9 Jan
26. Frank Shorter (23)—3	2:22:40	Cali, Colombia	5 Aug
27. Carl Hatfield (24, WV)	2:22:44	Canton, Ohio	10 Oct

28. Byron Lowry (24)—2	2:22:45	Eugene, Ore.	6 Jun
John Vitale (22)—3	2:22:45	Boston, Mass.	19 Apr
30. Norm Higgins (34)—2	2:22:54.2	New York, N.Y.	19 Sep
31. Dave White (19, Cal)	2:22:55	Culver City, Calif.	5 Dec
32. Skip Houk (29, Cal)	2:23:06	Eugene, Ore.	6 Jun
Herb Lorenz (32)—2	2:23:06	Enschede, Holland	4 Sep
34. Greg Brock (Cal)	2:23:19	Culver City, Calif.	5 Dec
35. Byron Lowry (24)—3	2:23:20	Boston, Mass.	19 Apr
36. Art Coolidge (24, NY)	2:23:23	Boston, Mass.	19 Apr
37. Charles Harris (30, Cal)	2:23:24	Burlingame, Calif.	7 Mar
38. Bruce Mortenson (27)—2	2:23:43*	Hurley, Wisc.	14 Aug
39. Jon Anderson (Cal)	2:23:44	Petaluma, Calif.	12 Dec
40. Tom Fleming (19, NJ)	2:23:44.2	New York, N.Y.	21 Mar
41. Herb Lorenz (32)—3	2:23:46.2	Philadelphia, Pa.	9 May
42. Steve Dean (21, Cal)	2:23:47.4	Anaheim, Calif.	6 Feb
43. Willie Speck (RI)	2:23:54	Boston, Mass;	19 Apr
44. Phil Ryan (Cal/Ireland)	2:24:00	Culver City, Calif.	5 Dec
45. Tom Fleming (19)—2	2:24:02	Eugene, Ore.	6 Jun
46. Barry Brown (27, Fla)	2:24:03*	Atlanta, Ga.	18 Dec
47. Doug Schmenk (19, Cal)	2:24:19	San Diego, Calif.	9 Jan
48. Doug Schmenk (20)—2	2:24:28*	Los Angeles, Calif.	6 Mar
49. Mike Kimball (30) Ohio)	2:24:43	Liverpool, N.Y.	8 May
50. Bill Scobey (26)—3	2:24:59.5	Arcata, Calif.	10 Jul
51. Chuck Walker (18, Ariz)	2:25:16	San Diego, Calif.	9 Jan
52. Augustin Calle (31, NY/Col)	2:25:29	New York, N.Y.	21 Mar
53. Tom Robinson (20)—2	2:25:34	Eugene, Ore.	6 Jun
54. Jim Hatcher (Idaho)	2:25:52*	Spokane, Wash.	12 Sep
Bob Thurston (27, DC)	2:25:52	Philadelphia, Pa.	9 May
56. Fred Best (35, NJ)	2:25:58	Eugene, Ore.	6 Jun
57. Jeromee Liebenberg (23, Ca)	2:26:06	Culver City, Calif.	5 Dec
58. Bill Clark (27)—2	2:26:19	Boston, Mass.	19 Apr
59. Moses Mayfield (26, Pa)	2:26:24	New York, N.Y.	21 Mar
60. Greg Carlberg (22, Nebr)	2:26:25*	Falls City, Nebr.	17 Oct
Bill Norris (Ore)	2:26:25	Seaside, Ore.	27 Feb
62. Ed Leddy (Tenn/Ireland)	2:26:28*	Atlanta, Ga.	18 Dec
63. Tom Hoffman (23, Wisc)	2:26:32*	Hurley, Wisc.	14 Aug
64. Jeff Galloway (25)—2	2:26:35	Boston, Mass.	19 Apr
65. Jerry Jobski (26, Ariz)	2:26:42	Tucson, Ariz.	13 Feb
66. Moses Mayfield (26)—2	2:26:44.8	Philadelphia, Pa.	28 Nov
67. Mike Kimball (30)—2	2:26:46	Eugene, Ore.	6 Jun
68. Johnny Halberstadt (21)—2	2:26:51.4	Tulsa, Okla.	13 Mar
69. Larry Pontinen (Cal)	2:26:56	Culver City, Calif.	5 Dec
70. Herb Lorenz (31)—4	2:27:01.6	Athens, Greece	6 Apr
71. Steve Dean (22)—2	2:27:04	Petaluma, Calif.	12 Dec
72. Ken Mueller (34, Mass)	2:27:05	Liverpool, N.Y.	8 May

73. Gareth Hayes (NC)	2:27:09*	Atlanta, Ga.	18 Dec
74. Bob Deines (23, Cal)	2:27:11	Seaside, Ore.	27 Dec
75. Jack Fultz (Va)	2:27:12	Boston, Mass.	19 Apr
76. Charles Harris (30)—2	2:27:16*	Albuquerque, N.M.	12 Sep
77. Bruce Mortenson (27)—3	2:27:23*	Des Moines, Ia.	24 Apr
78. Rick Bayko (23, Mass)	2:27:37	Boston, Mass.	19 Apr
79. Howard Labrie (20, Cal)	2:27:37	Seaside, Ore.	27 Feb
80. Skip Houk (29)—2	2:27:37.1*	Madera, Calif.	4 Apr
81. Rich Goldner (Ore)	2:27:40	Seaside, Ore.	27 Feb
82. Terry Ziegler (20, Okla)	2:27:46*	Wichita, Kans.	11 Jun
83. Russ Pate (24)—2	2:27:52	Eugene, Ore.	6 Jun
84. Tom Bache (28, Cal)	2:27:56	Eugene, Ore.	6 Jun
85. Chuck Smead (19, Cal)	2:28:01	Eugene, Ore.	6 Jun
86. Justin Gubbins (19, DC)	2:28:03	Boston, Mass.	19 Apr
Hal Jackson (Ore)	2:28:03*	Eugene, Ore.	3 Oct
88. Gary Miller (21, Cal)	2:28:12	Seaside, Ore.	27 Feb
89. Jay Dirksen (26, SD)	2:28:15.5	Minneapolis, Minn.	10 Oct
90. Jose Cortez (19)—2	2:28:21	Seaside, Ore.	27 Feb
91. Fred Best (35)—2	2:28:24	Boston, Mass.	19 Apr
92. Martins Ande (26, Nigeria)	2:28:27	Boston, Mass.	19 Apr
93. Charles Warthan (21, Ind)	2:28:30*	Des Moines, Ia.	24 Apr
94. Augustin Calle (31)—2	2:28:31	Boston, Mass.	19 Apr
95. John Brennand (36, Cal)	2:28:33	Culver City, Calif.	5 Dec
96. Darren George (23, Cal)	2:28:43	Petaluma, Calif.	12 Dec
97. Ron Sayers (Cal)	2:28:49	Philadelphia, Pa.	9 May
98. John Lesch (30, Ill)	2:28:50	Boston, Mass.	19 Apr
99. Jeff Galloway (26)—3	2:28:58*	Atlanta, Ga.	18 Dec
100. Mike Mittelstaedt (Va)	2:29:08.6	Turku, Finland	21 Aug
101. Don Kennedy (Ga)	2:29:09*	Atlanta, Ga.	18 Dec
102. Ron Elijah (18, Cal)	2:29:14	Eugene, Ore.	6 Jun
103. Bob Fitts (28, Wisc)	2:29:15	Boston, Mass.	19 Apr
104. Ron Sayers—2	2:29:17	Eugene, Ore.	6 Jun
105. John Lesch (30)—2	2:29:18*	Indianapolis, Ind.	14 Mar
106. Bob Crow (21, Cal)	2:29:19	San Diego, Calif.	9 Jan
107. Lee Fidler (SC)	2:29:24*	Atlanta, Ga.	18 Dec
108. John Lesch (30)—3	2:29:24	Culver City, Calif.	5 Dec
109. Ralph Thomas (35, Me)	2:29:25	Liverpool, N.Y.	8 May
110. Pat McMahan (29)—3	2:29:28.9	New Orleans, La.	20 Feb
111. Mike Manley (29, Ore)	2:29:29*	Eugene, Ore.	3 Oct
112. Bob Crow (21)—2	2:29:33	Eugene, Ore.	6 Jun
Bill Gookin (39) Cal)	2:39:33	Santa Barbara, Cal.	3 Oct
114. Dave Russell (23, Cal)	2:29:39	Culver City, Calif.	5 Dec
115. Marshall Adams (26, NC)	2:29:40	Raleigh, N.C.	23 Jan
116. Charles Harris (30)—3	2:29:47	Eugene, Ore.	6 Jun
117. Scott Daggatt (18, Wash)	2:29:52	Seaside, Ore.	27 Feb



118. Gary Dobrenz (24, Cal)	2:29:55	San Diego, Calif.	9 Jan
119. Jack Fultz—2	2:29:58.4	Beltsville, Md.	14 Feb
120. Terry Ziegler (20)—2	2:29:59	Gage, Okla.	8 May

### 2:30:00 to 2:30:59

2:30:03* Pat Leddy (Tenn/Ireland)
2:30:08 Peter Stipe (23, Mass)
2:30:09 Tom Ratliffe (23, Cal)
2:30:10 Charles Kaczorek (20, NY)
2:30:19 Lou Coppens (28, Pa)
2:30:20* Bruce Hannula (Mich)
2:30:21* A. R. Barrett
2:30:23 Paul Thompson (Mass)
2:30:45* Mike Stam (27, Cal/GB)
2:30:47* Ed Goodkin (37, Cal)
2:30:49* Steve Gachupin (NM)
2:30:50 Chris Miller (27, Cal)
2:30:53* Dave Phillips (Minn)

### 2:31:00 to 2:31:59

2:31:02 Craig Stern (Ind)
2:31:02* Chuck Ceronosky (23, Minn)
2:31:07 Orville Atkins (34, Cal)
2:31:07* Ron Johnson (22, Ill)
2:31:09* Sean O'Riordan (27, Wash/Ire)
2:31:13 Terry Gallagher (25, Mass)
2:31:22* Dike Stirrett (22, Ill)
2:31:37* Richard Delgado (31, Cal)
2:31:48 Bob Gray (23, Ore)
2:31:49 Tom Heinonen (25, Cal)

### 2:32:00 to 2:32:59

2:32:01 Jack Leydig (26, Cal)
2:32:07* Bill Anderson (27, Cal)
2:32:08* Steve Lynch (NM)
2:32:11 Jim Pearson (26, Wash)
2:32:23 Jim Howell (27, Cal)
2:32:25 Charles Keating (29, Mass)
2:32:27* Steve Lippitt (21, Wash)
2:32:32 John Phillips (19, Colo)
2:32:38 Richard Ashley (NY)
2:32:41 Chuck Frosolone (19, Ore)
2:32:49* Larry Seethaler (28, Pa)
2:32:52* Gary Mumaw (17, Ind)
2:32:53 Allieu Massaquoi (Mass/SL)

### 2:33:00 to 2:33:59

2:33:00* Dave Anderson (Minn)
2:33:03 Virgil Yehert (42, Ohio)
2:33:05* Kevin Keogh (Ill)
2:33:11* Blair Johnson (NM)
2:33:13 Jim McDonagh (47, NY)
2:33:17* Jim Backus (26, Cal)
2:33:26 Ed Grace (17, Cal)
2:33:29 Spencer Smith (Ariz)
2:33:34 Liam Ryan (Cal/Ireland)
2:33:41* Galen Green (Ia)
2:33:44* Eric Sigmont (23, Tex/Aus)
2:33:45* Dan Murphy (Wash/Ire)
2:33:46 Dan Drechsel (Wash)

2:33:52 Max White (20, NJ)
2:33:57 Larry Miller (20, Ore)

### 2:34:00 to 2:34:59

2:34:02 Wayne Akiyama (18, Cal)
2:34:04* Dennis Spencer (Ga)
2:34:04 Paul Talkington (24, Ohio)
2:34:06* George Wetherbee (27, Ohio)
2:34:07* Brian Sobczak (22, Ohio)
2:34:08 Brian Harrington (24, Ore)
2:34:12 Gordon MacMitchell (17, Cal)
2:34:14* Neil O'Shea (Ill)
2:34:15 Mike McCormick (31, Cal)
2:34:16 Steven Nowacki (24, NY)
2:34:17 Byron Beam (Pa)
2:34:22* Tim Hendricks (25, Nebr)
2:34:25 Jon Sutherland (20, Cal)
2:34:27 Robert Hirst (23, Pa)
2:34:40* Loren Moes (22, Mo) X
2:34:44 Tom Derderian (22, Mass)
2:34:44* Don Franklin (Ill)
2:34:44 Ken Moffitt (18, Cal)
2:34:47 Bill Harvey (31, NY)
2:34:55 Bill Keller (Mich)
2:34:55 Dennis Williams (Mich)
2:34:59 Richard Layer (22, NY)

### 2:35:00 to 2:35:59

2:35:03 Mike Gregorio (26, Cal)
2:35:06 Ed Ayers (29, Va)
2:35:07 Amby Burfoot (24, Conn)
2:35:08 Dave Waco (38, Cal)
2:35:09 Don Castricone (28, Ariz)
2:35:11 Bob Hamilton (Wash)
2:35:18 Steve Squires (Ore)
2:35:19 Larry Olsen (23, Mass)
2:35:23 Steve Litchfield (Cal)
2:35:26* Gary Tomczak (24, Minn)
2:35:27 Elton Horst (Ohio)
2:35:28 David Roosevelt (Cal)
2:35:30* Dave Crockett (Ill)
2:35:45 Wayne Comer (29, Tex)
2:35:48* Web Loudat (NM)
2:35:50* Cliff Clark (26, Cal)
2:35:52 Mike Mahler (Cal)
2:35:36 Patrick Miller (Conn)

### 2:36:00 to 2:36:59

2:36:00* Gary Tuttle (24, Cal)
2:36:02 Gary Muhrcke (30, NY)
2:36:05* Craig Stirling (19, Cal)
2:36:08 Walter Renaud (Me)
2:36:14 Ted Wolfe (Ore)
2:36:17* Carlos Alfaro (Cal)
2:36:23 Darryl Reese (21, NY)

2:36:24 Will Van Dyke (Mass)  
2:36:25 Ed Goodfriend (19, Cal)  
2:36:25\* Tom Higgins (33, Ill)  
2:36:25 Wayne Vaughn (25, Md)  
2:36:27 Al Schofield (23, Cal)  
2:36:33 Bob Price (Cal)  
2:36:36\* Gary Patrick (jr, Mich)  
2:36:37 Kenneth Voss (27, Wash)  
2:36:38 Mike Baer (17, Cal)  
2:36:38 Tom Osler (31, NY)  
2:36:38\* Edward Wagner (Ia)  
2:36:44 John Butterfield (34, Cal)  
2:36:45 Randy Lawson (18, Cal)  
2:36:47 Al Haas (23, Cal)  
2:36:52 Don Ocana (Cal)  
2:36:54\* Dan Lyngaard (17, Minn)  
2:36:55\* Gary Pierson (34, Mich)  
2:36:57\* Steve Hoag (Minn)  
2:36:59 John Garlepp (33, NY)

### 2:37:00 to 2:37:59

2:37:04 Jim Freeman (29, Wash)  
2:37:05 Lee Courkamp (28, Colo)  
X 2:37:19\* Craig Harms (20, Ohio)  
2:37:20\* Ken Young (30, Ill)  
2:37:21 Eduardo Diaz (Cal)  
2:37:21\* Dennis Swift (NM)  
2:37:22\* Paul Hoffmann (18, Tex)  
2:37:24 Eddie Cadena (Cal)  
2:37:27 Dennis Kasischke (25, Cal)  
2:37:33 Peter Hallop (Mich)  
2:37:36 Joel Stein (19, Cal)  
2:37:38 Pat Bastick (NY)  
2:37:38 Rick Hagin (22, Cal)  
2:37:38 Eric Walther (32, NY)  
2:37:42 Hugh Sweeny (27, NJ)  
2:37:44 Donald Slussey (Pa)  
2:37:49 Peter Farwell (20, Mass)  
2:37:49 Jose Garcia (Nev)  
2:37:53 Skip Shaffer (32, Cal)  
2:37:59 John Sproul (Cal)

### 2:38:00 to 2:38:59

2:38:00 Kenneth Bellor (Mich)  
2:38:01\* Leonard Suarez (Ariz)  
2:38:07 Matthew Hassett (29, Ariz)  
2:38:09 Ricky Richardson (25, Ark)  
2:38:10 Ron Blackmore (18, NY)  
2:38:13 Jon Link (NY)  
2:38:18 Mike Maron (21, Cal)  
2:38:18 Neil Weygandt (24, Pa)  
2:38:19 Jim Argilla (Cal)  
2:38:20 Ed Walkwitz (21, Mass)  
2:38:21\* Dale Aberle (Ga)  
2:38:22\* Chuck Koeppen (25, Ind)  
2:38:22\* Carl Owczarzak (30, Kans)  
2:38:24\* Curt Hall  
2:38:25 Frank Freyne (31, Cal)  
2:38:32\* Jeff Brain (Minn)  
2:38:33\* Tony Kalet  
2:38:35\* Howard Miller (45, Wash)

2:38:36\* Ray Darwin (30, Cal)  
2:38:38\* Brian Harrington (25, Tex)  
2:38:39 Damien Koch (Colo)  
2:38:40\* Darryl Beardall (34, Cal)  
2:38:42 Scott Claypoole (Cal)  
2:38:43 Paul Upchurch  
2:38:45\* John Dunn (25, Utah)  
2:38:47\* Jim MacNider (Ill)  
2:38:47 Ray Menzie (36, Cal)  
2:38:51\* Dave Griffith (Minn)  
2:38:52 Michael Cryans  
2:38:55 James Perez (Cal)  
2:38:58 James Johnnides (NY)  
2:38:58 Roy Vogel (Cal)

### 2:39:00 to 2:39:59

X 2:39:03 Martin Smith (21, Cal) BOSTON  
2:39:09 Chris Chambers (24, Mass)  
2:39:10\* George Christopher (Ind)  
2:39:12 Harold DeMoss (35, Cal)  
2:39:12 Wolfgang Schmulewicz (17, Cal)  
2:39:15 Jim Baker (Mass/GB)  
2:39:15\* Ben Huntley (25, Ill)  
2:39:15 David Vahey (27, Cal)  
2:39:16 Jim Green (Mass)  
2:39:19 Sam Torres (Mich)  
2:39:20 August Jarvis (39, Ohio)  
2:39:22 Thomas Knatt (Mass)  
2:39:24 Steve Varga (19, Cal)  
2:39:27 Vince Chiappetta (37, NY)  
2:39:31 Bill Heideman (30, Ohio)  
2:39:33 Louis Paul (Mass)  
2:39:34\* Paul Dale  
2:39:39\* Rudy Alvarez (Wisc)  
2:39:47\* Steven Weiss (Ill)  
2:39:49\* Jim Gorman (Ore)  
2:39:49 Tom Sturak (40, Cal)  
2:39:52 Steve Kent (Ore)  
2:39:52\* John Philyaw (16, Ill)  
2:39:52 Coleman Mooney (31, NY)  
2:39:54 Jim Isenberg (20, NJ)  
2:39:56 Richard Forbes (34, Ore)

### 2:40:00 to 2:40:59

2:40:00\* Pat Chester (Fla)  
2:40:00\* George Bridges (Fla)  
2:40:01 Rick Glider (21, Ariz)  
2:40:11 Bill Kinsella (27, NY)  
2:40:14 Shawn Vallas (16, Cal)  
2:40:19 Tim Nix (16, Ore)  
X 2:40:22 Ken Katzer (29, Nebr)  
2:40:24\* John Savonen (Minn)  
2:40:25 Art Ting (Cal)  
2:40:26 Mike Wade (20, Cal)  
2:40:32\* Phillip Ford (35, Ill)  
2:40:36 Bill Gordon (37, NY)  
2:40:38 Russ Daggatt (15, Wash)  
2:40:40\* Tom Berger (Colo)  
2:40:41 Rod Neely (Cal)  
2:40:41 John Whitehouse (Ill)  
2:40:44 Kevin Furlon (Cal)

2:40:45 Glenn Ayres (17, Md)  
2:40:51 James Speer (20, Wash)  
2:40:56\* John McDonnell (31, Tex)  
**2:41:00 to 2:41:59**  
2:41:00\* Keith Brown (Ohio)  
2:41:00 Mark Evans (Cal)  
2:41:02\* Doug Butt (25, Cal)  
2:41:05 Jeff Freed (Pa)  
2:41:09 Jose Velazquez (25, NY)  
2:41:09\* Robert Waugh (16, Ariz)  
2:41:10\* John Perry (17, Ky)  
2:41:10 Neil Webber (Ore)  
2:41:11 James Baugus (Ark)  
2:41:14 Art Hall (NY)  
2:41:15 Phil Bonfiglio (18, NY)  
2:41:15\* Steve Rybolt (26, Ind)  
2:41:17\* John Pagliano (31, Cal)  
2:41:17\* Roger Pekuri (Wisc)  
2:41:25\* Gary DeVries (25, Utah)  
2:41:30 Jim Carter (30, Mich)  
2:41:33 Paul Bernstein (26, Mass)  
2:41:34\* Jacob Johansen (23)  
2:41:38 Joe Dahl (Maine)  
2:41:39 Rodger Low (Ark)  
2:41:41 Bob Rorabaugh (Ore)  
2:41:41 Derek Walton (Mass/GB)  
2:41:42\* Bob Ackerman (39, Nev)  
2:41:42\* Jim Fleming (Wisc)  
2:41:42 Phil Ryan (27, Mass)  
2:41:43 Nick Vogt (20, Cal)  
2:41:48\* John Jarek (Mass)  
2:41:51\* Steve Goldberg (39, Ill)  
2:41:53 Louis Naeger (Mo)  
2:41:53 Jeff Runner (Cal)  
2:41:55\* Bob Kuchar  
2:41:57 Mark Seder (20, Ore)  
**2:42:00 to 2:42:59**  
2:42:00 Bill Meredith (18, Cal)  
2:42:04 William McNulty (28, Mass)  
2:42:06 T. A. de Lusignan (40, Cal)  
2:42:16 Richard Morse (NY)  
2:42:17 Allen Gibas (25, Pa)  
2:42:19 Jim McKinney (Colo)  
2:42:19 Ray Morrison (24)  
2:42:19\* Rick Stetson (Ala)  
2:42:25\* James Swope (21, Ky)  
2:42:26 Park Barner (27, Pa)  
2:42:26 Gerry Garcia (NM)  
2:42:27\* Dave Bronzan (23, Cal)  
400 2:42:27 Jack Griswold (jr, Cal)  
2:42:28\* Edward Dagner (Ill)  
2:42:30 Peter Helmer (NY/Denmark)  
2:42:30 Dave Phillips (NJ)  
2:42:31\* Eugene Quinn  
2:42:31 David Worthen (Fla)  
2:42:32\* Joe Frontiero (Mass)  
2:42:36\* Pat Durnin (Tenn/Ireland)  
2:42:39\* Evan Shull (28, Wash)  
2:42:43 Lee Holley (38, Cal)

2:42:44 Tully Mann (Cal)  
2:42:47\* Ted Corbitt (51, NY)  
X 2:42:48\* Bob Hunnerdosse (24, Ia)  
X 2:42:51 Hal Higdon (40, Ind)  
2:42:52\* George Kirk (20, Cal)  
2:42:55\* Jim Gossett (Ind)  
2:42:58 Robert Fiorito (21, Wash)  
**2:43:00 to 2:43:59**  
2:43:00 Robert Schmidt (Mich)  
2:43:01 Ken Napier (38, Cal)  
2:43:02 John Holcomb  
2:43:04 Tom Hollander (Mich)  
2:43:04\* Hugh Miller (14, Cal)  
2:43:07 Marc Peuron (21)  
2:43:10\* Mike McCann  
2:43:10\* Charles Riley (Mass)  
2:43:14\* Bruce Gibbs (34, Wash)  
2:43:14\* Ed McDonald (34)  
2:43:17\* Larry Swanson (Ill)  
2:43:17\* Hans Templeman (jr, Cal)  
2:43:19 Jim Martini (19, NY)  
2:43:24 Hector Alonso (30, NY)  
2:43:25\* Ron Daws (34, Minn)  
2:43:25\* Harvey Fahl (Ohio)  
2:43:25\* Richard Waltz (Wisc)  
2:43:28 Gregory Gibson (Mass)  
2:43:30\* Mike Stine (25, Ind)  
2:43:31\* Peter Elliott (Ill)  
2:43:31\* Ed Strable (Ga)  
2:43:31 Frank Takish (Mich)  
2:43:37 Dennis Wilson (14, Cal)  
2:43:40\* Doug Formmsma (Mich)  
2:43:47 Peter Mundle (42, Cal)  
2:43:48 Phil Camp (23, Fla)  
2:43:51 Dave Faherty (26, NJ)  
2:43:51 Tom Grundy (Mass)  
2:43:51 Greg Lee (19, Minn)  
2:43:52 Ernie Wake (41, Cal)  
2:43:55\* Larry Earnest (24, Wash)  
2:43:55\* Greg Klipan (Ohio)  
2:43:57 Steve Regas (26, Cal)  
2:43:58\* Brian Savilonis (Mass)  
2:43:59\* Dan O'Connell (20, Ky)  
**2:44:00 to 2:44:59**  
2:44:00 Jim Legakis (22, NY)  
2:44:04 Chuck Dhulst (17, Ore)  
2:44:04 DeWitt Thomson (26, NY)  
2:44:06 Joe League (Pa)  
2:44:06 George Milligan (Pa)  
2:44:09\* Chris Bousum  
2:44:09 John Kelley (40, Conn)  
2:44:17\* Doug Sailors (Cal)  
2:44:19 Brian Freeman (45, Cal)  
2:44:27 Perry Forrester (Cal)  
2:44:30\* Bob Bruner (29, Cal)  
2:44:32 Harold Ketting (16, Cal)  
2:44:36\* Jack Bannick (Mich)  
2:44:40\* Dan Anderson (19, Cal)  
2:44:40\* Harold Sutherland (37, Wisc)

2:44:41 Mike Sabino (Md)  
2:44:44\* Jerry Smartt (39, Cal)  
2:44:45\* Fred Geswein (24, Ind)  
2:44:45\* Rick Vafaedes (25, Cal)  
2:44:46\* Steven Fiamengo (jr, Cal)  
2:44:48 Owen Gorman (41, Cal)  
2:44:48 Rand Timmerman (NY)  
3:44:50\* Gary Miller (16, Utah)  
2:44:50 Bill Stock (41, Cal)  
2:44:52 Chet Fortier (Mass)  
2:44:54 John Reppy (40, NY)  
2:44:57 John Freemuth (21, Cal)

**2:45:00 to 2:45:59**

2:45:00\* Mike Buzbee (Cal)  
2:45:03\* Mike Baxter  
2:45:04 Ed Horn (20, Colo)  
2:45:05 Charles Barone (Cal)  
2:45:07\* Fred Strauss (Mich)  
2:45:09\* Bob Mintz (Ohio)  
2:45:10\* John Cramer (20, Minn)  
2:45:15\* Willie Cronin (32, Cal/Ire)  
2:45:17 Steven Jaskalla (Cal)  
2:45:18 David Senschalle (31, NY)  
2:45:19 James Boyle (21, NY)  
2:45:23 Tim Welles (31, NY)  
2:45:25\* Francis Maher (Mass)  
2:45:26 Cornelius Branson (23, Cal)  
2:45:27\* Larry Fuselier (La)  
2:45:27\* Bill Schrandt (NM)  
2:45:28 Don Bennette (17, Cal)  
2:45:28 Bennett Gershman (32, NY)  
2:45:28\* Steve Kearney (Ind)  
2:45:30\* Charles Bradley (Ill)  
2:45:30\* David Cortez (13, Cal)  
2:45:31 Marty Simonson (Cal)  
2:45:32\* Timothy Hanson (Wisc)  
2:45:32\* Rick Terhune (jr., Ill)  
2:45:35 Bill Bredenbeck (33, Ohio)  
2:45:35\* Greg Palmer (17, Ill)  
2:45:39 Steve Parker (30, Nev)  
2:45:41 Bob Cooper (32, Cal)  
2:45:42 James Harrison (Md)  
2:45:44 Flory Rodd (47, Cal)  
2:45:45 John Greenwood (Cal)  
2:45:46\* Aaron Hovey (Kans)  
2:45:48 Robert Campbell (20, Colo)  
2:45:49 Ian Jackson (Cal)  
2:45:52 Bill Giuliani (Pa)  
2:45:55 Emilio Rotundi (Mass)  
2:45:57\* Bill Langen (Minn)  
2:45:57\* Louis Marovitch  
2:45:58 John Spurr (32, Ore)  
2:45:59\* Paul Gorgen (17, Wash)

**2:46:00 to 2:46:59**

2:46:00\* Gary Cramer (19, Utah)  
2:46:02\* Bob Pollock (Ga)  
2:46:02 Tim Spiviney (Cal)  
2:46:05 Warren Fowler (Mass)  
2:46:05\* Ron Lancaster (18, Ill)

2:46:09\* Robert Burr  
2:46:11\* Steve Howell (18, Tex)  
2:46:12 Don Schulgasser (27, Cal)  
2:46:14\* Bob Gormley (29, Cal)  
2:46:15\* Ralph Howard (Cal)  
2:46:16 Thomas Ogden  
2:46:16\* George Conn (36, Tenn)  
2:46:20\* Pat Connelly (33, Cal)  
2:46:24\* David Dillman (23, Tex)  
2:46:25\* Primitivo Rivas (Ariz)  
2:46:27 Robert Greene (37, Va)  
2:46:29 Roy Nelson (Cal)  
2:46:32 Al Wells (21, Wash)  
2:46:36 Mike Stewart (Cal)  
2:46:41 John Burns (20, Cal)  
2:46:41\* Brian Walsh (Mo)  
2:46:43\* Bill Botting (32, Ohio)  
2:46:45 James Barker (24)  
2:46:45 George Oja (27, Ore)  
2:46:49\* Robert Godwin (Ohio)  
2:46:49\* Jeff Palmer (17, Ill)  
2:46:51 John Rudberg (37, Cal)  
2:46:51 (unidentified, 114th Boston)  
2:46:52 Mario Alonso (NY)  
2:46:54 Willard Deering (Me)  
2:46:55\* Mel Vos (31, Kans)  
2:46:56\* Rick Whaley (19, Ky)  
2:46:57 Dan Shook (20, Ohio)  
2:46:59 John Weidinger (Cal)  
2:46:— Mitch Kingery (15, Cal)

**2:47:00 to 2:47:59**

2:47:00 Angelo Rivituso (22, NY)  
2:47:02 Dave Pio (Cal)  
2:47:04 Richard Langdon (20, Ore)  
2:47:05 Bruce Brown (16, Nev)  
2:47:05 Kevin Furey (Cal)  
2:47:05\* Gary Nelson (NY)  
2:47:08 Ernie Cunliffe (33, Colo)  
2:47:08\* Jack Petty (27, Tex)  
2:47:11\* Don Coffman (28, Ky)  
2:47:12 (unidentified, 117th Boston)  
2:47:13 Mike Shaw (20, Wash)  
2:47:15\* Bob Congdon (NY)  
2:47:15 Dave LeRose (Cal)  
2:47:15 George Gavras (45, NY)  
2:47:16\* Ken Wilkening (Wisc)  
2:47:18 Mark Donnell (Cal)  
2:47:22 John Lopez (21, Wash)  
2:47:22 Don Putnam  
2:47:23\* Steve Jackson (Ill)  
2:47:24 Richard Raymond (25, Ore)  
2:47:25 Dave Page (32, Wash)  
2:47:26\* Jim Musgrave (Ore)  
2:47:30 William Burley (30, Conn)  
2:47:30 Michael Spitz  
2:47:31 David Blankenship (21, Ohio)  
2:47:32 Jim O'Neil (46, Cal)  
2:47:35 Casey Kingsley (Colo)  
2:47:35\* Steven May (Iowa)  
2:47:36 William Wirtz (Mo)

2:47:37\* David Bishop (Ga)  
2:47:37 Ken Hurst (19, Cal)  
2:47:41 George Bateman (25, NY)  
2:47:42 Walter Shiel (Cal)  
2:47:43\* Carroll Stenberg (sr, Wisc)  
2:47:47 Fred Hurd (33, NC)  
2:47:49\* Ralph Livingston (32, Ill)  
2:47:56 Don Jones (44, Cal)  
2:47:59\* Fred New

### 2:48:00 to 2:48:59

2:48:00\* Alan Jensen (Ore)  
2:48:00\* Mark Kushner (Cal)  
2:48:01 Curt Thomson  
2:48:02 Earl Bradley (37, Ohio)  
2:48:02\* Ron Plemons  
2:48:03 Dan O'Connor (21, NY)  
2:48:05 Alex Ratelle (46, Minn)  
2:48:06 Don Slocumb (Tex)  
2:48:08 Douglas Williamson (Ore)  
2:48:11 William Pollack (22, NY)  
2:48:12 Jeff Kroot (27, Cal)  
2:48:15 Louis Wannemacher (Pa)  
2:48:16\* Gerald Stormer  
2:48:18 David Parker (40)  
2:48:19 James McDade (37, NY)  
2:48:20 Dwight Anderson (22, Ore)  
2:48:21 Joseph Catalano (Mass)  
X 2:48:25\* Jay Thomson (30, Iowa) X  
2:48:26 Dillon Maier (36, NY)  
2:48:28 Peter Borden (20, Mass)  
2:48:29 Bob Michalites (Pa)  
2:48:30\* Mike Conroy (Cal)  
2:48:30 Kevin McCarthy (Cal)  
2:48:38 Clark (sr, West Germany)  
2:48:41\* Greg Johnson (18, Ind)  
2:48:43\* Larry Aduddell (26, Okla)  
2:48:43 Bill King (42, Pa)  
2:48:45 Conrad Eroen (42, Cal)  
2:48:45\* Jorge Sotelo (21, Tex)  
2:48:46\* Lucian Rosa (Wisc)  
2:48:47 George Manriquez (jr, Cal)  
2:48:49 Daniel Ayres (Mass)  
2:48:50 Roger Rouiller (33, Va)  
2:48:53 Carl Lopes (Mass)  
2:48:54\* Randy Cook (23, Kans)  
2:48:59 John Aldrich (19, Cal)  
2:48:59\* Richard Dailey (40, Wash)  
2:48:59 Ron Gaff (Mass)

### 2:49:00 to 2:49:59

2:49:00 Brian Manghan (NY)  
2:49:00\* Robert McLeod (Ala)  
2:49:00\* Jerry Swartsley (30, Ore)  
2:49:01 Joseph Vance (40, Wash)  
2:49:02 Brent Jones (jr, Ark)  
2:49:02 Vlastimil Zak (Ohio)  
2:49:04 Terry Chappell (21, Cal)  
2:49:04\* Steve Miller  
2:49:05 Tom Laubert (23, Okla)  
2:49:05 Mike O'Callaghan (Ariz)

2:49:06 Mike Murray (42, Cal)  
2:49:08\* Chris Cole (jr, Cal)  
2:49:08\* (unidentified, 17th Naperville)  
2:49:12\* Tom Parr  
2:49:12\* Wally Spinolas (18, Ill)  
2:49:14\* Norm Alsobrook (40, Tex)  
2:49:15\* Jim Ackley (20, Ohio)  
2:49:18 Bill Stuart (24, Ore)  
2:49:19 Richard Barnes  
2:49:19\* David Lyngaard (jr, Minn)  
2:49:19\* Gordon Pekuri (Wisc)  
2:49:19\* Brooks Queen (19, Okla)  
2:49:20 Tom Page (21, Minn)  
2:49:20 Jeff Propert (20, Pa)  
2:49:22\* Brian Aho (Mich)  
2:49:23\* Doug Brown (19, Mo)  
2:49:23 Glen Mehrbock (jr, Cal)  
2:49:26 Mike Fornaciari (Cal)  
2:49:29 Bernie Laufgas (26, NY)  
2:49:33\* Carl Carey (34, Ind)  
2:49:33 Daniel Larson (Conn)  
2:49:33 Lloyd Slocum (Me)  
2:49:34 Terry Rice (21, Wash)  
2:49:37 Ron Hopkins (Cal)  
2:49:39 Thomas Cory (Cal)  
2:49:39 John Hargreaves (Pa)  
2:49:39\* David Kelley (Ga)  
2:49:40 Cheryl Bridges (23, Cal)  
2:49:46\* Paul Reese (54, Cal)  
2:49:48 Kenneth Dawson (Mass)  
2:49:50\* George Cyr (Ill)  
2:49:55\* Marshall Jones (20, Ohio)  
2:49:55\* Faustino Salazar (jr, NM)  
2:49:55 Bob Billasenor (Ariz)  
2:49:56 Ken Leonowicz (Mich)  
2:49:56 Nick Priest (jr, Cal)  
2:49:57 Mark Haggerty (Mass)

### 2:50:00 to 2:50:59

2:50:00\* William Linse (27, Wisc)  
2:50:04 Frank Vucci (30, Cal)  
X 2:50:05\* Jesse Eblen (35, Iowa)  
2:50:06 Duane Frederick (Va)  
2:50:07\* Bill Hanselman (30, Ore)  
2:50:08 Richard Burdick (Wisc)  
X 2:50:14\* James Comyns (39, Ohio)  
2:50:14\* David Troy (22, Ill)  
2:50:15 Mark Prigge (Cal)  
2:50:17\* Eric Smith (28, NY)  
2:50:22\* Ron Hebert (Ore)  
2:50:25 Thomas Dillon  
2:50:25 Joe Henderson (27, Cal)  
2:50:25 Sam Parris (33, Utah)  
2:50:27\* Lon Kleisner  
2:50:30\* John Been (16, Ill)  
2:50:30 John Skousen (15, Cal)  
2:50:30 (unidentified, 139th Boston)  
2:50:32 Herbert Scherzer (NY)  
2:50:33\* Roy Morrison  
2:50:33\* Bill Peck (30, Cal)

X 2:50:34\* Dennis Katzer (18, Nebr)  
2:50:35\* Rick Spavins (Cal)  
700 2:50:36 Chris Luther (23, Wash)  
2:50:39 Dave Duba  
2:50:43 Daniel Hindert  
2:50:46 John Winslow (DC)  
2:50:48 Tom Flesch (16, Cal)  
2:50:51 Tomas Rodriguez (17, Cal)  
2:50:51 Benjamin Sawyer (34, Cal)  
2:50:53 Larry Berman (36, Mass)  
2:50:54 Russ Jackson (Pa)  
2:50:54 Ron Vogt (Cal)  
710 2:50:55\* Larry Fauchier (22, Iowa)  
2:50:57 Tony Hackney (15, Ohio)  
2:50:57 Al Meehan (30, Conn)  
2:50:57 Stan Newman (17, Ohio)  
2:50:57\* Mark Rogers (Ill)  
2:50:58 Steven Pusztay (Ohio)  
2:50:58 Jim Van Manen (38, Cal)  
2:50:59 Myron Bigelow (Mass)  
2:50:59\* Gary Roybal

### 2:51:00 to 2:51:59

2:51:00 Ralph Grant (Tex)  
2:51:05 Carl Westberg (Conn)  
2:51:06\* Larry Gnapp (Ill)  
2:51:12 Greg Higgins (Cal)  
2:51:13\* Peter Mattei (47, Cal)  
2:51:17 Bob Schaich (16, Ohio)  
2:51:17\* Tomas Williams (23, La)  
2:51:19\* Ken Scalmanini (Cal)  
2:51:20 Doug Essary (Cal)  
2:51:20 Martin Vrias (Cal)  
2:51:24\* Gary Ten Eyck (Kans)  
2:51:25 Gabe Mirkin (sr, Md)  
2:51:25 Edwin Robey (16, NC)  
2:51:30\* Gerry Walker (21, Utah)  
2:51:33 Finn Espensen (Mass)  
2:51:34 Ronald Grander (Cal)  
2:51:34\* Michael Niemiec (Ohio)  
2:51:36 Tim Wilhelmson (19)  
2:51:38\* Donald Solvig (SD)  
2:51:38 Everett Stahl (42)  
2:51:38\* Marco Velasquez (Mass)  
2:51:39 Truman Clark (Cal)  
2:51:39\* Howard Reed (32)  
2:51:39\* Don Merrick (Iowa)  
2:51:41 Charles Bianciano (NJ)  
2:51:41 Ron Brinster (33, Va)  
2:51:41 Alan Rensen (Cal)  
2:51:42 Wes Crist (Colo)  
2:51:54\* David Trine (Cal)  
2:51:59\* William Marten (34, Wisc)  
2:51:59\* Gary Bryan (34, Wash)  
2:51:59 Phil Stewart (Pa)

### 2:52:00 to 2:52:59

2:52:00\* Peter Brill (NM)  
2:52:00 Robert Hickey (Cal)  
2:52:02\* Jim McFadden (31, Mo)  
2:52:03\* Bill Posedel (Cal)

2:52:03 (unidentified, 158th Boston)  
2:52:05 Gabriel Grosz (19, Cal)  
2:52:05 Tom Martin (Cal)  
2:52:05 Tim Ramey  
2:52:07 Carl Gravandi (26, Ohio)  
2:52:08\* Martin Sanbor (Mass)  
2:52:09 Paul Broderick (19, NY)  
2:52:09\* Wilf Brutsaert (37, NY)  
2:52:10 Tom Cameron (41, NY)  
2:52:11\* Phillip Sparling (21, Ohio)  
2:52:13\* Don Fink (Wisc)  
2:52:15 Roy Cohen (19, Cal)  
2:52:15\* Fred Holcomb (33, Utah)  
2:52:16\* John Zieslerl (Mich)  
2:52:17 Kenneth Brown (Pa)  
2:52:19 Pete League (33, Cal)  
2:52:20 Lou Fritz (28, Neb)  
2:52:22 Stan Koenig (Cal)  
2:52:24 Howard Priest (Cal)  
2:52:25 James Ferris (NY)  
2:52:26\* Paul Edgecombe (jr, Ill)  
2:52:26 Jerry McNeal (34, Minn)  
2:52:27 Tyrone Griffin (Mich)  
2:52:30 Bob Bell (Cal)  
2:52:30\* Curt Ostby (jr, Ill)  
2:52:30\* John Unger (jr, Ill)  
2:52:31 Steve Lubar  
2:52:32\* Walt Churchill (Ohio)  
2:52:33\* Terry Kelly (Wash)  
2:52:33 Butch Welch (Colo)  
2:52:34 Arthur Moore (NJ)  
2:52:36 Mack Yellin (NJ)  
2:52:40 Paul Jarrett (50, Fla)  
2:52:40\* Dick Stark (25, Wash)  
2:52:41 George Calle (29, Conn)  
2:52:41 Charles Hanson (42, Mass)  
2:52:48 Darrell Jeong (19, Cal)  
2:52:48 Ed Zuck (Ariz)  
2:52:51 Donato Balsamo (32, NY)  
2:52:53 John Noble (45, Cal)  
2:52:55\* Dave Eiben (Vt)  
2:52:56 John Seislak (NJ)

### 2:53:00 to 2:53:59

2:53:00 Richard Gustafson (34, Wash)  
2:53:00 Don Todaro (19, Mo)  
2:53:00 Bill Ward (20, Okla)  
2:53:03 Monty Montgomery (65, Cal)  
2:53:05 Romero Mendoza (Cal)  
2:53:07\* Eugene Blueborn (17, Iowa)  
2:53:08 Edward Elder (DC)  
2:53:08\* Jerome Madler (Ill)  
2:53:09 Tim McLoone (NJ)  
2:53:09 Bob Pelikan (19, Kans)  
2:53:12\* Chuck Collins (37, NY)  
2:53:13 Al Wick  
2:53:15 Melvin Bryan  
2:53:15\* Norm Oyler (Ore)  
2:53:15\* Dale Roe  
2:53:15 Robert Watanabe (Cal)  
2:53:20\* Robert Hempy (Minn)

2:53:20\* Mark Van Rosendall (16, Ut)  
 2:53:21 Mike Frederick (18, Wash)  
 2:53:24 William Gordon (43)  
 2:53:25 Mike O'Halloran (16, Cal)  
 2:53:26 Eric Lewis (23, Wash)  
 2:53:27 Ben Malkasian (sr, NY)  
 2:53:27\* Rick Whitaker (Wash)  
 2:53:30 Steve Kling (37, NY)  
 2:53:30\* John Stowers (43, Tex)  
 2:53:35 Richard Steiner (51, Cal)  
 2:53:36\* James Price (Ga)  
 2:53:37\* James Haberkorn (Cal)  
 2:53:38\* Jack Bennick  
 2:53:38\* Alan Edgecombe (jr, III)  
 2:53:40\* Irvin Merein (20, Cal)  
 2:53:40\* Alan Perkin  
 2:53:43 Jean Eudier (La/France)  
 2:53:43 Steven Grotsky (29, NY)  
 2:53:44 Paul Fetscher (25, NY)  
 2:53:44\* Keith Ottosen (Minn)  
 2:53:45\* Richard Pettigrew (jr, Tex)  
 2:53:46 Frank McBride (41, Mich)  
 2:53:48 Ray Tomczuk  
 2:53:51 William Schwab (NY)  
 2:53:52 Dan Callahan (Cal)  
 2:53:52\* Ron Sterling (Ind)  
 2:53:53 Joe Burns (sr, NY)  
 2:53:54\* Bob Faetz (III)  
 2:53:55\* Stuart Adams (sr, Mass)  
 2:53:55\* Frank Krebs (28, Cal)  
 2:53:55 John McBurney (NY)  
 2:53:58 Michael Landreth (21, Ore)

**2:54:00 to 2:54:59**  
 2:54:02 Albert Kimball (33, Mass)  
 2:54:02\* Mike Smith (Kans)  
 2:54:02\* Ross Smith (43, Cal)  
 2:54:02\* Alan Taylor (Ga)  
 2:54:03\* Robert Ford (Ariz)  
 2:54:03\* David Whybrew (Ind)  
 2:54:04 Ed Bouldin (Cal)  
 2:54:06\* Jim Wheeler (III)  
 2:54:07\* Jim Meade (26, NY)  
 2:54:10\* Gary Feltz (III)  
 2:54:10 Rick Jensen (Cal)  
 2:54:10 Don Gregory (Cal)  
 2:54:13 Robert Shank (Pa)  
 2:54:14\* Don Herrman (Ore)  
 2:54:18\* Stewart Thomas (Cal)  
 2:54:19\* John McAllister (Kans)  
 2:54:20 Dave Nickelson (16, Ore)  
 2:54:22 Jim Engle (34, Cal)  
 2:54:22 Tom Stoothoff (NY)  
 2:54:23\* Michael Neal (29, Wash)  
 2:54:24\* Larry Bethel (Minn)  
 2:54:25\* Arnold Jackson (III)  
 2:54:26 Jim Bowles (Cal)  
 2:54:24\* Larry Bethel (Minn)  
 2:54:25\* Arnold Jackson (III)  
 2:54:26 Jim Bowles (21, Cal)

2:54:27 Bob Kiessling (Pa)  
 2:54:30 Sam Paris  
 2:54:33 Dale Story (29, Ore)  
 2:54:35 Tom Campbell (25, Wash)  
 2:54:35\* Robert Kannenberg (jr, III)  
 2:54:35\* Ed Krazeski (Ga)  
 2:54:35 Thomas Pinckard (33, Cal)  
 2:54:35\* Ron Werling (26, Iowa)  
 2:54:36\* Tim Wason (20, III)  
 2:54:37 Ernie Rivas (21, NY)  
 2:54:40\* Stephan Parrish (Pa)  
 2:54:43 Steve Harnick  
 2:54:43 Larry Oberhaltzer (20, Wash)  
 2:54:44 Vernon Kadell (17, Ore)  
 2:54:46 Donald Wilson (Mass)  
 2:54:49\* Dave Bartz (Minn)  
 2:54:54\* Wayne Van Dellen (33, Cal)  
 2:54:55 John Gale (24, Ore)  
 2:54:56 George Sanders (Conn)  
 2:54:57\* Richard Jay (Ind)

**2:55:00 to 2:55:59**  
 2:55:00\* Frank Mejia (Ariz)  
 2:55:00\* Lynn Strong (17, Utah)  
 2:55:03\* Mark Parish (33, Wisc)  
 2:55:03 Tom Wolf (18, Pa)  
 2:55:05 Tim Wilhelmson (19, Minn)  
 2:55:06\* Jack Castner (Fla)  
 2:55:17\* Charles Gibson (Tenn)  
 2:55:19 Erwin Schneider  
 2:55:20 Phillip Kocken (Wash)  
 2:55:20 Lew Roberts (43, Cal)  
 2:55:20 John Romero (42, Nev)  
 2:55:28\* Jim Thielen (Ohio)  
 2:55:22 Beth Bonner (19, Del)  
 2:55:22 Ronald Yuille (Mich)  
 2:55:22 Robert Younger (16, Cal)  
 2:55:23 Dave Knighton (DC)  
 2:55:23 Harry Otley (19, Idaho)  
 2:55:25 Peter Mosenthal (Ohio)  
 2:55:32 Calvin Lantrip (Cal)  
 2:55:33 Don Wilken (32, Mass)  
 2:55:33\* (unidentified, 27th Naperville)  
 2:55:35 Dennis Durbin (Ohio)  
 2:55:35 John Gault (Mich)  
 2:55:36 Gerardo Brown (22, NY)  
 2:55:38\* Byron Cattell (38, Wash)  
 2:55:40 Dan Grace (33, Conn)  
 2:55:41 Terry Habecker (23, NY)  
 2:55:42\* Richard Bracy (15, III)  
 2:55:42\* Jerry Yunker  
 2:55:43\* Ralph Scoles (Ind)  
 2:55:43 Don Starbuck (Colo)  
 2:55:44 Dave Linton (Mass)  
 2:55:44 Tim Quinn (Cal)  
 2:55:46 Tom Tomshany (28, Mo)  
 2:55:47 Meryl Belto (35, Cal)  
 2:55:48\* Bruce Longden (Wisc/Switz)  
 2:55:48\* John Sheehan (18, Cal)  
 2:55:49 Steve Stephenson (40, Ariz)

2:55:51\* Ron Johnson (Ore)  
 2:55:54 Charles Payne (Va)  
 2:55:55\* Mike Kerr (22, Minn)  
 2:55:55\* Stan Smith (23, Iowa)  
 2:55:56 Richard Woltz  
 2:55:58 Ed Soto (16, Cal)

**2:56:00 to 2:56:59**  
 2:56:04 Nina Kuscsik (32, NY)  
 2:56:05\* Greg Fuiten (16, Ill)  
 2:56:07\* Steve Brooks (17, Cal)  
 2:56:09 Rick Lozano (Cal)  
 2:56:10 John Cedarholm (Mass)  
 2:56:10 Joe Skelton (19, Okla)  
 2:56:12 Peter Adams (Mass)  
 2:56:12 Randy Buob (Cal)  
 2:56:12 Robert Knuff (NJ)  
 2:56:14 Terril Wilson (34, Pa)  
 2:56:15 Tony Baccelli (22, Ore)  
 2:56:15\* Bruce Jayne (jr, Ill)  
 2:56:16\* George Stewart (21, Cal)  
 2:56:19 Les Kinion (Md)  
 2:56:20\* Klaus Praesent (32, Nebr)  
 2:56:21 James E. Roberts (Md)  
 2:56:24 Walter McConnell (40, NJ)  
 2:56:30\* Pat Finn (jr, Cal)  
 2:56:30 Jerry King (21, Cal)  
 2:56:30\* Vern Martin (Ill)  
 2:56:31 Jay Pengra (Cal)  
 2:56:32\* John Gores (Mich)  
 2:56:33 Warren Smith (Nev)  
 2:56:34 James L. Roberts (Mass)  
 2:56:35 Gary Padgett (19, SD)  
 2:56:36\* Gordon Bess (Ill)  
 2:56:37 Art Anchum (Cal)  
 2:56:40\* Norm Hedner (28, Wash)  
 2:56:42 Paul Luscuski (26, NJ)  
 2:56:47 Richard Bartek (Cal)  
 2:56:50 Ward Cray (Cal)  
 2:56:50 Paul McSorley (sr, Pa)  
 2:56:53 Mike Alvarez (16, Cal)  
 2:56:54\* Angelo Martinez (Cal)  
 2:56:56 Steve Propert  
 2:56:56\* Robert Sewell (Ill)  
 2:56:58 Donald Kunz (NY)  
 2:56:59 John Tuncliffe

**2:57:00 to 2:57:59**  
 2:57:00 James Bilek  
 2:57:03 William O'Brien (18, NY)  
 2:57:04\* Roy Prior (18, Wash)  
 2:57:05\* Glenn Rodriguez (Ore)  
 2:57:06 Mark Byers (23, Cal)  
 2:57:12 Tom Edwards (Cal)  
 2:57:12 Bart Killam (21, NC)  
 2:57:13\* Danny Frausto (Ariz)  
 2:57:17\* Sam Benedict (Ga)  
 2:57:18 Paul Shimon (Fla)  
 2:57:22 James Leahy (Mass)  
 2:57:23 Allen Brady (36, Nev)  
 2:57:23 Doug Gates (Cal)

2:57:25 Dick Larkhaar (Cal)  
 2:57:27\* Brad Ritchie (Ohio)  
 2:57:29 William Saville (Mass)  
 2:57:30\* Vincent Fandetti  
 2:57:30 Cameron Munter (16, Cal)  
 2:57:31\* Bruce Gilbert  
 2:57:31\* David Thompson (21, Utah)  
 2:57:32 Michael Greenfield (NY)  
 2:57:32 Ted Nelson (Cal)  
 2:57:34 Joe Bernard (41, NJ)  
 2:57:34 Russ Black (jr, Cal)  
 2:57:35\* John Hawkins  
 2:57:35\* Mike Meier (Ill)  
 2:57:37\* Willard Coriz  
 2:57:37\* Larry Mayse (Ill)  
 2:57:37 Gary Szelc (20, NJ)  
 2:57:38 John Landaker (29, Nev)  
 2:57:40 Stan Adkins (16, Wash)  
 2:57:40 Dave Littlehales (22, Del)  
 2:57:41\* Ron Knowlton (38, Ill)  
 2:57:42\* Nick Shamis (33, Ohio)  
 2:57:42 William Squires (Mass)  
 2:57:43 George Guins (28, Ohio)  
 2:57:43 Terry Wells (19, Ore)  
 2:57:45 Joseph Butchko (43, Pa)  
 2:57:47\* John Purves  
 2:57:48 Dave Brownlee (15, Calif)  
 2:57:51\* Jim Kirk (18, Cal)  
 2:57:52\* Brad Eldridge (16, NY)  
 2:57:53 John Fuller (25, Ore)  
 2:57:53 Donald Lindaur (NY)  
 2:57:53 Wendall Sullivan (47, Ohio)  
 2:57:55\* Dick Arkley (30)  
 2:57:55\* Dave Cormier (Mass)  
 2:57:56 Dan Hutton (Cal)  
 2:57:56 James Knight (Ga)  
 2:57:57 Robert Tomshany (29, Ky)

**2:58:00 to 2:58:59**  
 2:58:01 Burton Roseman (Wash)  
 2:58:05 Larry Haney (18, Ill)  
 2:58:05 Marc Lund (Cal)  
 2:58:05 Merlyn Midstokke (sr, Cal)  
 2:58:05\* Michael Realmuto (Ill)  
 2:58:06 Jon Epperson (DC)  
 2:58:06\* Ronald Gayer (29, Ill)  
 2:58:08 James Connelly (37, NY)  
 2:58:09 Robin Lee (Ore)  
 2:58:11 Barry Buob (Cal)  
 2:58:12\* Don Stanley (Ga)  
 2:58:13 Dale Toohey (Mass)  
 2:58:14 Rip Coleman (Tenn)  
 2:58:14 George Cushmac (DC)  
 2:58:16\* Paul Coffin (19, Iowa)  
 2:58:16 Marlin Conrad (Pa)  
 2:58:16\* Gary Goettel (20, Iowa)  
 2:58:17 Allen Smith (Ohio)  
 2:58:18\* Peter Hanson (Cal)  
 2:58:18 Tim Wright (Cal)  
 2:58:20 George Bower (Pa)



2:58:20	Greg Pecchia (Cal)	2:59:11*	John Curtin
2:58:22	Ken Baldwin (Colo)	2:59:11	Bob Sosa (Cal)
2:58:22	Derek Frechette (26, NY)	2:59:12	Edwin Jerome (28, Ind)
2:58:28	Charles Parmalee (27)	2:59:12*	Tom Martinson (Minn)
2:58:29	Ronald Kay (Mass)	2:59:13*	Steve Smith (Cal)
2:58:31	Steve Naylor (18, Cal)	2:59:14*	Ben Greigo (NM)
2:58:31	Brad Roberts (Mass)	2:59:14*	Barry Smith (Cal)
2:58:34*	Joel Diemer (23, Iowa)	2:59:15	Dave Thompson (Cal)
2:58:36	Robert Foley (Minn)	2:59:18*	Gordon Bowman (jr, Wash)
2:58:36*	Steve Newman (Ohio)	2:59:19*	John Moura (18, Nev)
2:58:37*	Jim Beach (Tenn)	2:59:19	Herb Weisheit (41, Cal)
2:58:37	David Marvel (26, Va)	2:59:21*	Wayne Doehlman
2:58:38*	Edward Norberg	2:59:22	Bill Theriault (Cal)
2:58:43	Jimmy Edwards (Ohio)	2:59:26*	Karl Larson (49, Iowa)
2:58:45	David Geisler (Cal)	2:59:26	Jerry Ockerman (24, Cal)
2:58:47	John Cavanaugh (Cal)	2:59:27	Lee Stahl (Cal)
2:58:48	Leslie Caldera (Cal)	2:59:28	John Wallace (sr, Mass)
2:58:48*	Carl Glatze (24, Wash)	2:59:29	Timothy Hansen (Wisc)
2:58:49	Joe Carlson (Cal)	2:59:30*	Dan Keith (jr, Ill)
2:58:49	Bruce Kritzler (Ohio)	2:59:31	Joe Lawson (28, Ore)
2:58:50	Al Carroll (30, Tex)	2:59:32	George Callef (Conn)
2:58:51	Noe Vigil (18, Cal)	2:59:33	Charles Huhtanen (Pa)
2:58:52*	Rick Hill (18, Ky)	2:59:35	Tom McCandles (Cal)
2:58:54	Sam Gratch (NY)	2:59:36*	Len Escarda (39, Cal)
2:58:54	Hugh Nichols (34, Ore)	2:59:36*	Bill Pardie (27)
2:58:56*	Mario Lopez (Ariz)	2:59:36	Bill Phillips (42, Cal)
2:58:56*	Bobby Ruiz (Ariz)	2:59:39	Charles Dyson (37, Conn)
2:58:57*	Johnny Faerber (36, Hawaii)	2:59:40*	Ona Dobratz (26, Ore)
2:58:57	Thomas Frost (Ohio)	2:59:43*	Anthony De Robbio
2:58:57*	Gordon Schafer (Mich)	2:59:44	Don Sheehan (Cal)
2:58:57*	Dennis Wells (NY)	2:59:48*	Mike Devecka (23, Alaska)
2:58:58*	Dave Taylor (15, Cal)	2:59:48	William Greene (18, Cal)
2:58:59	Harry Berkowitz (31, NJ)	2:59:48*	John Notar (Ill)
2:58:59	Bernard Kapell (44, NY)	2:59:48*	Ernest Torres
<b>2:59:00 to 2:59:59</b>		2:59:50	Michael Glynn (Mass)
2:59:00	A. M. LaSorsa (Mich)	2:59:52	David Fitzgerald (Mass)
2:59:04*	Mark Hulbert (17, Cal)	2:59:52*	Paul Ryman (sr, Ore)
2:59:06*	Bob Kaldenberg (Iowa)	2:59:54*	Yusuke Horiguchi (Tex/Japan)
2:59:06*	Bob Kaufman (Ill)	2:59:54*	Michael Nichols
2:59:06	Joel Pasternack (Fla)	2:59:54*	Pat Stordall (19, Cal)
2:59:07*	Bob Fries (40, Cal)	2:59:55	Dan Faubion (jr, Cal)
2:59:08	Bennett Jones (Mass)	2:59:55	Francis Fullam (NY)
2:59:08*	Mike Kitchell (22, Iowa)	2:59:55*	Ed Preston (sr, Cal)
2:59:08*	(unidentified, 17th Los Angeles)	2:59:58	John Schauble (NJ)
		2:59:59*	Scott Williams (jr, Ill)

**LATE NOTE:** Results of two races were received just as the Handbook was going to press.

**Holiday (Pueblo, Colo., Dec. 18)**—1. Ted Castaneda (19, Colo) 2:33:29; 2. Edward Horn (21, Colo) 2:36:30; 3. Charlie Vigil (19, Colo) 2:40:35; 4. Hylke Van der Wal (33, Canada) 2:44:22; 5. Tom Berger (20, Colo) 2:49:08; 6. Mark Weeks (19, Colo) 2:59:23. (18 finished, 13 under 4:00)

**Fiesta Bowl (Phoenix, Ariz., Dec. 27)**—1. Pete Span (Ariz) 2:23:33.7; 2. Jerry Jobski (Ariz) 2:24:17; 3. Damien Koch (Colo) 2:25:12; Skyler Jones (Ariz) & Jose Cortez (Cal) also under 2:30 (only these results were available).

# CANADIAN MARATHONING

Considering the rather small number of marathoners in the country, Canada produces an incredible quantity of top men. Thirteen broke 2:30 during the past year.

Ray Will, a marathoner himself, compiled the all-time list that follows. Will, Lorne Buck, Bill Wyllie and Charlie Thorne helped with the 1971 chart. Both lists include only the best time for each individual.

## ALL-TIME NATIONAL LIST

NAME (AGE)	TIME	SITE	DATE
1. Jerome Drayton (24)	2:11:12.2	Fukuoka, Japan	7 Dec 69
2. Bob Moore (29)	2:16:53.6	Fukuoka, Japan	7 Dec 69
3. Andy Boychuk (27)	2:17:50	Dundas	23 Jun 68
4. Ron Wallingford (32)	2:19:24	Ste. Hyacinthe	4 Sep 66
5. Dave Ellis (28)	2:19:47	Boston, Mass.	19 Apr 66
6. Brian Armstrong (23)	2:21:49	Detroit, Mich.	17 Oct 71
7. Gordon Dickson (26)	2:21:50	Hamilton	14 May 58
8. Wayne Yetman	2:22:13	Antwerp, Belgium	30 May 69
9. Ray Will (31)	2:22:47	Dartmouth	12 Dec 69
10. Garry Harrison (33)	2:22:53	Seaside, Ore.	27 Feb 71
11. Morris Aarbo (30)	2:23:06	Las Vegas, Nev.	21 Jan 67
12. John Cliff (27)	2:24:33.8	Vancouver	26 Apr 70
13. Norm Patenaude (26)	2:24:41	Detroit, Mich.	17 Oct 71
14. Peter Lever (25)	2:25:59	Detroit, Mich.	17 Oct 71
15. Bill Allen (32)	2:26:02	Ste. Hyacinthe	5 Sep 64
16. Doug Scorrar (23)	2:26:35	Canton, Ohio	10 Oct 71
17. Paul Hoffman (29)	2:26:52	Seaside, Ore.	27 Feb 71
18. Art Taylor (44)	2:27:22	Toronto	23 May 71
19. Brian Drewett (28)	2:28:09.6	Enschede, Holland	16 Aug 69
20. Charlie Thorne (23)	2:28:21	Seaside, Ore.	27 Feb 71
21. Bob Fahy	2:28:51	Boston, Mass.	20 Apr 70
22. Gerard Cote	2:28:25.8	Boston, Mass.	19 Apr 43
23. Bob Kochan	2:28:53	Boston, Mass.	19 Apr 71
24. Jim Haddow (38)	2:29:20	Sydney, Aus.	12 Aug 67

## 1971 NATIONAL LIST

### Sub-2:30

2:18:34	Andy Boychuk (30, Aus)	2:25:59	Peter Lever (25, Ont)
2:21:13	Ron Wallingford (37, Ont)	2:26:35	Doug Scorrar (23, Ohio)
2:21:49	Brian Armstrong (23, Ont)	2:26:52	Paul Hoffman (29, Alta)
2:22:53	Garry Harrison (33, BC)	2:27:16	Bob Moore (30, Ont)
2:24:41	Norm Patenaude (26, Ont)	2:27:22	Art Taylor (44, Ont)
2:24:57	John Cliff (27, Ont)	2:28:21	Charlie Thorne (23, BC)
		2:28:53	Bob Kochan (Sask)

**2:30 to 2:39**

- 2:30:48 Gerald Teal (27, Ont)  
 2:31:41 Ray Will (33, Ont)  
 2:32:11 Lorne-Buck (37, Ont)  
 2:32:16 Wolf Schamberger (26, Que)  
 2:32:17 John Mowatt (25, Ont)  
 2:32:48 Darrell Frank (19, Ont)  
 2:32:52 Ernie Wilson (Man)  
 2:33:54 Bill Hopkins (29, Ont)  
 2:33:59 Michael Graham (Sask)  
 2:34:58 Morris Aarbo (34, Alta)  
 2:35:38 Roger Price (Que)  
 2:36:13 Dan Anderson (Ont)  
 2:36:55 James Boyde (26, BC)  
 2:36:55 Billy Dove (26, BC)  
 2:37:13 Bill Herriot (30, Alta)  
 2:37:19 Garry Cumiford (16, BC)  
 2:37:41 Rob Taylor (30, BC)  
 2:38:11 James Haddow (41, Alta)  
 2:39:00 Dennis Coveney (40, BC)  
 2:39:17 James Thorne (16, BC)  
 2:39:23 Jack Taunton (23, BC)  
 2:39:34 Mike Goerke (28, Ont)

**2:40 to 2:49**

- 2:40:50 Jack Burnett (BC)  
 2:42:05 Helmut Boeck (19, Ont)  
 2:42:40 Hugh Mackay (26, BC)  
 2:43:24 Bill Allen (39, Ont)  
 2:44:12 Alexander Stuart (20, BC)  
 2:44:21 Brian Stackhouse (Alta)  
 2:44:40 Brian Bisson (Ont)  
 2:44:43 Patrick Delaney  
 2:45:03 Ivor Davies (44, BC)  
 2:45:30 Bryan Scallion (NS)  
 2:45:40 Jeff Hawker (19, BC)  
 2:46:23 Dave Laundriault (Ont)

- 2:46:40 Neil Coville (Ont)  
 2:46:45 Murray Hunt (21, Alta)  
 2:47:28 James Herriott (30, Alta)  
 2:47:56 Kevin Case (16, Ont)  
 2:48:15 Herb Monck (Ont)  
 2:48:26 Bill Wyllie (38, Alta)  
 2:49:49 Jerry Gonser (37, Ont)  
 2:49:53 Rick Pyne (Ont)  
 2:49:57 Lorne Luhta (Ont)

**2:50 to 2:59**

- 2:50:03 George Ames (Ont)  
 2:50:53 Bill Marcotte (Ont)  
 2:51:25 Vic Dunn (Ont)  
 2:53:34 Peter Oliver (Ont)  
 2:53:42 Marc Podell (Ont)  
 2:53:49 Rudi Lechmann (Ont)  
 2:54:51 William McInnis (45, Ont)  
 2:54:57 Jacques Mainguy (Que)  
 2:55:50 Bill Allison (Ont)  
 2:55:59 James Conway (BC)  
 2:56:34 William Fullerton (40, Ont)  
 2:59:30 Chris Garrett-Petts (23, BC)

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**Ages 50-59**

- 3:13:51 Charlie Ward (52, Ont)  
 3:17:33 Ted Clark (50, Ont)

**Ages 60-Up**

- 4:07:59 Claud Turner (61, Ont)  
 4:11:40 Arthur Dyson (67)

**Women**

- 3:45:30 Cathy Scharge (Ont)  
 3:53:20 Liesje Mulder (17, Ont)

# WOMEN'S MARATHONING

Numerically, women's marathoning made great strides in 1971. Five runners under three hours; more than 100 Americans competing. But numbers don't tell the most significant story. Previously, even when they ran, women usually weren't recognized. Even when allowed to run, sometimes they weren't listed in the summaries. Now there has been a big switch. Despite AAU rules, women are being welcomed most places. Some races go so far as to advertise in bold print, "WOMEN ARE WELCOME!" That's progress.

The all-time women's list gives details on world as well as US marks under 3:30. It uses the same format as the men's lists. Because the top US marks of 1971 are duplications of the all-time, only the names of runners are given.

## ALL-TIME WORLD LIST

NAME (AGE, NATION)	TIME	SITE	DATE
1. Adrienne Beames (28, Aus)	2:46:30	Werribee, Australia	Sep 71
2. Cheryl Bridges (23, US)	2:49:40	Culver City, Calif.	5 Dec 71
3. Beth Bonner (19, US)	2:55:22	New York, N.Y.	19 Sep 71
4. Nina Kuscsik (32, US)	2:56:04	New York, N.Y.	19 Sep 71
5. Ona Dobratz (26, US)	2:59:40*	Eugene, Ore.	3 Oct 71
6. Sara Berman (35, US)	3:00:35*	Brockton, Mass.	30 May 71
7. Beth Bonner (18)—2	3:01:42	Philadelphia, Pa.	9 May 71
8. Caroline Walker (16, US)	3:02:53*	Seaside, Ore.	28 Feb 70
9. Sara Berman (35)—2	3:04:40*	Framingham, Mass.	7 Nov 71
10. Sara Berman (33)—3	3:05:07*	Boston, Mass.	20 Apr 70
11. Nina Kuscsik (32)—2	3:06:57	New York, N.Y.	21 Aug 71
12. Sara Berman (34)—4,	3:07:10	Atlantic City, N.J.	25 Oct 70
13. Anni Erdkamp (W Ger)	3:07:26	West Germany	16 Sep 67
14. Sara Berman (34)—5	3:08:30	Boston, Mass.	19 Apr 71
15. Sara Berman (35)—6	3:08:46	New York, N.Y.	19 Sep 71
16. Nina Kuscsik (32)—3	3:09:00	Boston, Mass.	19 Apr 71
17. Nina Kuscsik (31)—4	3:10:—	Boston, Mass.	20 Apr 70
18. Kirsten Carlsen (33, Den)	3:10:05	Copenhagen, Den.	26 Sep 71
19. Nina Kuscsik (32)—5	3:11:41	New York, N.Y.	21 Mar 71
20. Kirsten Carlsen (32)—2	3:13:24	Denmark	27 Sep 70
21. Denise Green (US)	3:13:—	Culver City, Calif.	5 Dec 71
22. Cheryl Bridges (22)—2	3:14:45	Culver City, Calif.	6 Dec 70
23. Nina Kuscsik (31)—6	3:15:07	Atlantic City, N.J.	25 Oct 70
24. Maureen Wilton (Can)	3:15:22		8 May 67
25. Kathy Miller (24, US)	3:15:28	Liverpool, N.Y.	8 May 71
26. Nina Kuscsik (31)—7	3:16:02	Yonkers, N.Y.	17 May 70
27. Natalie Cullimore (33, US)	3:18:00	Burlingame, Calif.	17 Mar 71

28. Donna Gookin (34, US)	3:18:30	Salt Lake City, Utah	24 Jul 71
29. Nina Kuscsik (32)—8	3:18:51	Atlantic City, N.J.	24 Oct 71
30. Mildred Simpson (NZ)	3:19:33		21 Jul 64
31. Sara Berman (33)—7	3:21:19	Atlantic City, N.J.	Sep 69
32. Kathy Miller (23)—2	3:22:02*	Liverpool, N.Y.	21 Jun 70
33. Natalie Cullimore (33)—2	3:22:16	Petaluma, Calif.	12 Dec 71
34. Sara Berman (32)—8	3:22:46	Boston, Mass.	21 Apr 69
35. Kathy Miller (24)—3	3:25:—	Boston, Mass.	19 Apr 71
36. Donna Gookin (34)—2	3:26:27*	Las Vegas, Nev.	6 Feb 71
37. Vicki Foltz (27, US)	3:26:28	Seaside, Ore.	27 Feb 71
38. Kathy Miller (23)—4	3:28:13*	Brockton, Mass.	24 May 70
39. Nina Kuscsik (31)—9	3:28:—	Bronx, N.Y.	15 Mar 70

### Sub-3:00

2:49:40	Cheryl Bridges (23, Cal)
2:55:22	Beth Bonner (19, Del)
2:56:04	Nina Kuscsik (32, NY)
2:59:40*	Ona Dobratz (26, Ore)

### 3:00-3:29

3:00:35*	Sara Berman (35, Mass)
3:13:—	Denise Green (Cal)
3:15:28	Kathy Miller (24, NY)
3:18:00	Natalie Cullimore (33, Cal)
3:18:30	Donna Gookin (34, Cal)
3:26:28	Vicki Foltz (27, Wash)

### 3:30 to 3:59

3:32:38*	Eileen Waters (25, Cal)
3:35:07	Jacki Sorensen (NJ)
3:37:02	Ivy Gorman (NJ, Cal)
3:37:04	Carolyn McDonald (12, Cal)
3:38:15	Donna Aycoth (22, Md)
3:39:35*	Sandy Brauer (32, Nev)
3:42:25	Patricia Loveland (29, Ore)
3:42:36*	Nancy Laird (Tex)
3:43:01	Anna Mae Cooke (DC)
3:43:29*	Pam Weigle (28, Colo)
3:44:54	Lynn Olson (17, Mich)
3:45:57	Doreen Assumma (Cal)
3:46:10	Lyn Carman (34, Cal)
3:46:21	Mary Etta Boitano (8, Cal)
3:47:20*	Janet Newman (20, Ore)
3:49:00*	Irene Billasenor (Cal)
3:50:51*	Sigred Nadon (Pa)
3:51:05*	Vickie Paulson (14, Cal)
3:52:36*	Elaine Pedersen (34, Cal)
3:56:29	Jean Irvin (38, Ore)
3:56:41	Sue De Lapa (Cal)
3:58:07*	Londa Kingery (15, Cal)

### 4:00 to 4:29

4:02:17*	Sherry Wells (Ore)
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4:02:20*	Maureen Wiemeyer (Cal)
4:03:29*	Gigi Brown (Mont)
4:03:42*	Connie Cunneen (10, Cal)
4:04:27*	Pam Earle (Ore)
4:05:25*	Skip Swannack (29, Cal)
4:09:29*	Calleen King (Ore)
4:12:25	Annabelle Corboy (Tex)
4:16:34*	Sue Taylor (28, Wash)
4:17:17	Brenda Whitman (27, Cal)
4:17:18	Barbara Barnes (43, Cal)
4:18:04*	Christine Nowak (Mich)
4:17:48*	Annette Maillebiau (Cal)
4:19:00*	Margie Mahoney (Alaska)
4:19:50*	Marie Mainville (Mich)
4:20:00*	Lynn Spencer (Alaska)
4:24:04*	Marian May (jr, Alaska)
4:26:10*	Susan Rossiter (Wash)
4:27:46*	Kelly Cunneen (9, Cal)
4:28:48	Terri Stranski (Tex)

### 4:30 to 4:59

4:32:39*	Lyndi Beale (jr, Cal)
4:34:50*	Daphne Fuller (18, Cal)
4:36:00	Alice Rhodes (29, Ohio)
4:37:50*	Kelly Cunneen (8, Cal)
4:38:28	Diana Crockett (21, Ore)
4:40:49*	Peggy Fritz (30, Ill)
4:41:00*	Barbara Page (Alaska)
4:41:05	Christy Klosterman (Cal)
4:41:30	Pat Tarnawsky (34, NY)
4:45:20*	Deborah Teplow (18, Cal)
4:45:28*	Marcie Trent (53, Alaska)
4:47:01*	Laurie Van Enkevort (jr, Alaska)
4:51:10*	Mary Lucille Boitano (47, Cal)
4:52:11*	Anna Wanamaker (Alaska)
4:57:05*	Lilly Lee (Cal)
4:51:10*	Robyn Paulson (37, Cal)
4:59:54*	Gwen Smith (12, Tex)

# TIMES FOR ALL AGES

During the past year, the AAU has officially established age-group competition in the long distances. The seniors (over-40s) had been going at it for some time, but only got the "national championship" designation in 1971. At its recent convention, the AAU also set up the "junior" category, which includes runners under age 20. No national junior marathon will be run this year, but that championship is the coming thing.

Age bears a fairly direct relationship to long distance performance, and deserves the attention it's getting—both in competitive groupings and record-keeping.

Roger Gynn and Jack Shepard supply the basic information for the men's world and American records. Only the US women's marks are listed here—frankly, because that's the only data we have. (\*=uncertified course; best time on certified course also listed. ?=exact age unknown; may be a year older than indicated.)

There are 25-deep lists of juniors and seniors in 1971, along with shorter summaries of marathoning in the extreme age groups.

Time	Name (Country)	Age	Name	Time
4:27:32	Mary Etta Boitano (US)	6	Mary Etta Boitano	4:27:32
3:57:42	Mary Etta Boitano (US)	7	Mary Etta Boitano	3:57:42
3:46:21	Mary Etta Boitano (US)	8	Mary Etta Boitano	3:46:21
3:28:18*	Mike Boitano (US)	9	Mike Boitano	3:28:18*
3:41:29	David Hargus (US)	9	David Hargus	3:41:29
3:24:09*	David Hargus (US)	10	David Hargus	3:24:09*
3:24:34	Bill Tracey (US)	10	Bill Tracey	3:24:34
3:16:04*	David Cortez (US)	11	David Cortez	3:16:04*
3:16:36	Mike Healy (US)	11	Mike Healy	3:16:36
3:02:17*	David Cortez (US)	12	David Cortez	3:02:17*
3:17:20	Mark Ruggles (US)	12	Mark Ruggles	3:17:20
2:45:30*	David Cortez (US)	13	David Cortez	2:45:30*
2:54:47	David Cortez (US)	13	David Cortez	2:54:47
2:43:04*	Hugh Miller (US)	14	Hugh Miller	2:43:04*
2:43:37	Dennis Wilson (US)	14	Dennis Wilson	2:43:37
2:40:07	Craig Streichman (US)	15	Craig Streichman	2:40:07
2:33:23	Craig Streichman (US)	16	Craig Streichman	2:33:23
2:31:55	Craig Streichman (US)	17	Craig Streichman	2:31:55
2:23:59.6	Hans-Joachim Truppel (EG)	18	Chuck Walker	2:25:16
2:19:54	Toshiharu Sasaki (Japan)	19	Jose Cortez	2:21:38*
		19	Dave White	2:22:55
2:15:32	Seiichiro Sasaki (Japan)	20	Mike Hazilla	2:18:46.6
2:12:19	Don Faircloth (GB)	21	Bob Deines	2:22:04
2:11:17	Seiichiro Sasaki (Japan)	22	Amby Burfoot	2:14:28.8
2:13:06.4	Toshiharu Sasaki (Japan)	23	Eamon O'Reilly	2:16:39.8
2:11:12.8	Jerome Drayton (Canada)	24	Frank Shorter	2:12:50.4
2:09:36.4	Derek Clayton (Aus)	25	Eamon O'Reilly	2:11:12
2:08:33.6	Derek Clayton (Aus)	26	Kenny Moore	2:13:27.8
2:10:37.8	Akio Usami (Japan)	27	Kenny Moore	2:11:35.8

2:11:08.8	Derek Clayton (Aus)	28	John Kelley	2:21:54.4
2:12:14	John Farrington (Aus)	29	Norm Higgins	2:18:26
2:12:04	Jim Alder (GB)	30	Lou Castagnola	2:17:48
2:09:28	Ron Hill (GB)	31	Ron Daws	2:20:23
2:12:11.2	Abebe Bikila (Ethiopia)	32	Herb Lorenz	2:19:16.8
2:13:45	Alastair Wood (GB)	33	John Kelley	2:22:15
2:14:38	Jeff Julian (NZ)	34	Norm Higgins	2:22:54.2
2:14:08	Gilbert Gauthier (Fr)	35	Norm Higgins	2:15:52
2:15:17.2	Mamo Wolde (Ethiopia)	36	Lou Gregory	2:28:03
2:17:37.8	Gerhard Honicke (EG)	37	Ted Corbitt	2:26:44*
		37	Dave Waco	2:30:07
2:12:17.8	Jack Foster (NZ)	38	Ted Corbitt	2:29:43*
		38	Dave Waco	2:35:08
2:13:42.4	Jack Foster (NZ)	39	Bill Gookin	2:29:33
2:20:26	Franjo Skrinjar (Yug)	40	Ted Corbitt	2:36:07
2:23:52	Nobuyoshi Sadanaga (Jpn)	41	Virgil Yehmert	2:28:27
2:24:18.8	Heinrich Arians (WG)	42	Virgil Yehmert	2:33:03
2:25:37	Tom Buckingham (GB)	43	Jim McDonagh	2:29:55
2:23:05	Erik Ostbye (Sweden)	44	Ted Corbitt	2:35:03
2:22:18.4	Walter Weba (WG)	45	Jim McDonagh	2:29:07
2:20:12	Erik Ostbye (Sweden)	46	Jim McDonagh	2:28:49
2:20:54.6	Erik Ostbye (Sweden)	47	Jim McDonagh	2:33:14
2:23:56	Erik Ostbye (Sweden)	48	Ted Corbitt	2:41:26
2:30:06	Erik Ostbye (Sweden)	49	Ted Corbitt	2:42:07
2:28:48	Erik Ostbye (Sweden)	50	Ted Corbitt	2:44:15
2:42:47*	Ted Corbitt (US)	51	Ted Corbitt	2:42:47*
2:44:07	Tom Buckingham (GB)	51	Ted Corbitt	2:46:37
2:39:01	Tom Buckingham (GB)	52	Paul Reese	2:58:10
2:41:31	Tom Buckingham (GB)	53	Paul Reese	2:51:04
2:37:42	John Kelley (US)	54	John Kelley	2:37:42
2:54:15	Sven Ekstrom (Sweden)?	55	Joe Abbas	3:26:59
3:01:07.8	Frantisek Mirovsky (Czech)	56	William Andberg	3:07:18
3:06:41	Don Heinicke (US)	57	Don Heinicke	3:06:41
2:51:44	William Andberg (US)	58	William Andberg	2:51:44
2:52:59*	William Andberg (US)	59	William Andberg	2:52:59*
3:04:23	John Kelley (US)	60	John Kelley	3:04:23
2:58:40	John Kelley (US)	61	John Kelley	2:58:40
3:02:18	John Kelley (US)	62	John Kelley	3:02:18
2:54:56	Monty Montgomery (US)	63	Monty Montgomery	2:54:56
2:55:45	Monty Montgomery (US)	64	Monty Montgomery	2:55:45
2:53:03	Monty Montgomery (US)	65	Monty Montgomery	2:53:03
3:37:18	August Grebert (WG)?	66	Leslie Gatz	4:29:43
4:02:08	Willi Roscher (WG)?	67	(none available)	
3:34:09	Bror Karlsson (Sweden)?	68	(none available)	
3:38:45	Fred Grace (US)	69	Fred Grace	3:38:45
3:15:44	Friedrich Tempel (WG)	70	(none available)	
3:53:23	Fred Grace (US)	71	Fred Grace	3:53:23
3:45:20	Fred Grace (US)	72	Fred Grace	3:45:20
5:45:56	Hermann Petzoldt (WG)?	73	(none available)	
	(none available)	74	(none available)	
7:02:20	E. Hampel (WG)?	75	(none available)	
5:12:55	Fritz Schreiber (Swe)?	76	(none available)	
	(none available)	77-78	(none available)	
3:52:30	Arthur Lambert (WG)	79	(none available)	

# 1971 AGE-GROUP LISTS

## JUNIORS

- 2:21:38\* Jose Cortez (19, Cal)  
2:22:55 Dave White (19, Cal)  
2:23:44 Tom Fleming (19, NJ)  
2:24:19 Doug Schmenk (19, Cal)  
2:25:16 Chuck Walker (18, Ariz)  
2:28:01 Chuck Smead (19, Cal)  
2:28:03 Justin Gubbins (19, DC)  
2:29:14 Ron Elijah (18, Cal)  
2:29:52 Scott Daggatt (18, Wash)  
2:32:32 John Phillips (19, Colo)  
2:32:41 Chuck Frosolone (19, Ore)  
2:32:52\* Gary Mumaw (17, Inc)  
2:33:26 Ed Grace (17, Cal)  
2:34:02 Wayne Akiyama (18, Cal)  
2:34:12 Gordon MacMitchell (17, Cal)  
2:34:44 Ken Moffitt (18, Cal)  
2:36:05\* Craig Stirling (19, Cal)  
2:36:25 Ed Goodfriend (19, Cal)  
2:36:36\* Gary Patrick (Mich)  
2:36:38 Mike Baer (17, Cal)  
2:36:45 Randy Lawson (18, Cal)  
2:36:54\* Dan Lyngaard (17, Minn)  
2:36:59\* Dave Phillips (19, Minn)  
2:37:22\* Paul Hoffmann (18, Tex)  
2:37:36 Joel Stein (19, Cal)

## SENIORS

- 2:33:03 Virgil Yehnert (42, Ohio)  
2:33:13 Jim McDonagh (47, NY)  
2:38:35\* Howard Miller (45, Wash)  
2:39:49 Tom Sturak (40, Cal)  
2:42:06 T. A. de Lusignan (40, Cal)  
2:42:47\* Ted Corbitt (51, NY)  
2:42:51 Hal Higdon (40, Ind)  
2:43:47 Peter Mundle (42, Cal)  
2:43:52 Ernie Wake (41, Cal)  
2:44:09 John Kelley (40, Conn)  
2:44:19 Brian Freeman (45, Cal)  
2:44:48 Owen Gorman (41, Cal)  
2:44:50 Bill Stock (41, Cal)  
2:44:54 John Reppy (40, NY)  
2:45:44 Flory Rodd (47, Cal)  
2:47:15 George Gavras (45, NY)  
2:47:32 Jim O'Neil (46, Cal)  
2:47:43\* Carroll Stenberg (40+, Wisc)  
2:47:56 Don Jones (44, Cal)  
2:48:05 Alex Ratelle (46, Minn)  
2:48:18 David Parker (40)  
2:48:38 Clark (40+, WG)  
2:48:43 Bill King (42, Pa)  
2:48:45 Conrad Eroen (42, Cal)  
2:48:59\* Richard Dailey (40, Wash)

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## AGES 10 and UNDER

- 3:24:34 Bill Tracey (10, Cal)  
3:28:18\* Mike Boitano (9, Cal)  
3:44:11 David Jaeger (10, Cal)  
3:46:21 Mary Etta Boitano (8, Cal)  
3:48:56\* Russell Riddell (9, Cal)  
3:45:31 Chuck Assumma (10, Cal)  
4:03:42\* Connie Cunneen (10, Cal)  
4:27:46 Kelly Cunneen (9, Cal)  
4:31:08\* Karl Newland (8, Cal)  
4:33:00 Charles Liman (8, Cal)

## AGES 11 to 13

- 2:45:30\* David Cortez (13, Cal)  
3:13:57\* Joel Bowman (13, Wash)  
3:13:57\* Seth Bowman (12, Wash)  
3:16:36 Mike Healy (11, Cal)  
3:25:39 Nick Priest (13, Cal)  
3:32:22 David Bingley (11, Cal)  
3:37:02 David Hargus (12, Cal)  
3:37:04 Carolyn McDonald (12, Cal)  
3:53:54 Ed Tico (11, Cal)  
3:50:19 David Wilson (11, Cal)

## AGES 14 to 16

- 2:39:52\* John Philyaw (16, Ill)  
2:40:14 Shawn Vallas (16, Cal)  
2:40:19 Tim Nix (16, Ore)  
2:40:38 Russ Daggatt (15, Wash)

- 2:40:45 Glenn Ayres (17, Md)  
2:41:09\* Robert Waugh (16, Ariz)  
2:43:04\* Hugh Miller (14, Cal)  
2:43:37 Dennis Wilson (14, Cal)  
2:44:32 Harold Ketting (16, Cal)  
2:44:50\* Gary Miller (16, Utah)

## AGES 50 to 59

- 2:42:57 Ted Corbitt (51, NY)  
2:49:46\* Paul Reese (54, Cal)  
2:52:40 Paul Jarrett (50, Fla)  
2:53:35 Richard Steiner (51, Cal)  
2:59:55\* Ed Preston (50+, Cal)  
3:00:11\* Bill Tribou (50, Conn)  
3:04:05 Wayne Zook (53, Cal)  
3:04:50 Bill Hargus (50, Cal)  
3:05:25 George Sheehan (52, NJ)  
3:06:41 Don Heinicke (57, Md)

## AGES 60 to 69

- 2:53:03 Monty Montgomery (65, Cal)  
3:08:23 Norman Bright (61, Wash)  
3:16:58 Urban Miller (60, WG)  
3:28:43 Jim Bole (63, Cal)  
3:35:54 John Kelley (63, Mass)  
3:38:58 Walt Frederick (63, Cal)  
3:42:59 Walt Stack (63, Cal)  
4:01:55\* Norman Tamanaha (63, Hawaii)  
4:04:42 Charles Perkins (62, Wash)



4:07:55 Warner Monroe (62, Ore)

## AGES 70 and UP

4:48:48 Noel Johnson (71, Cal)

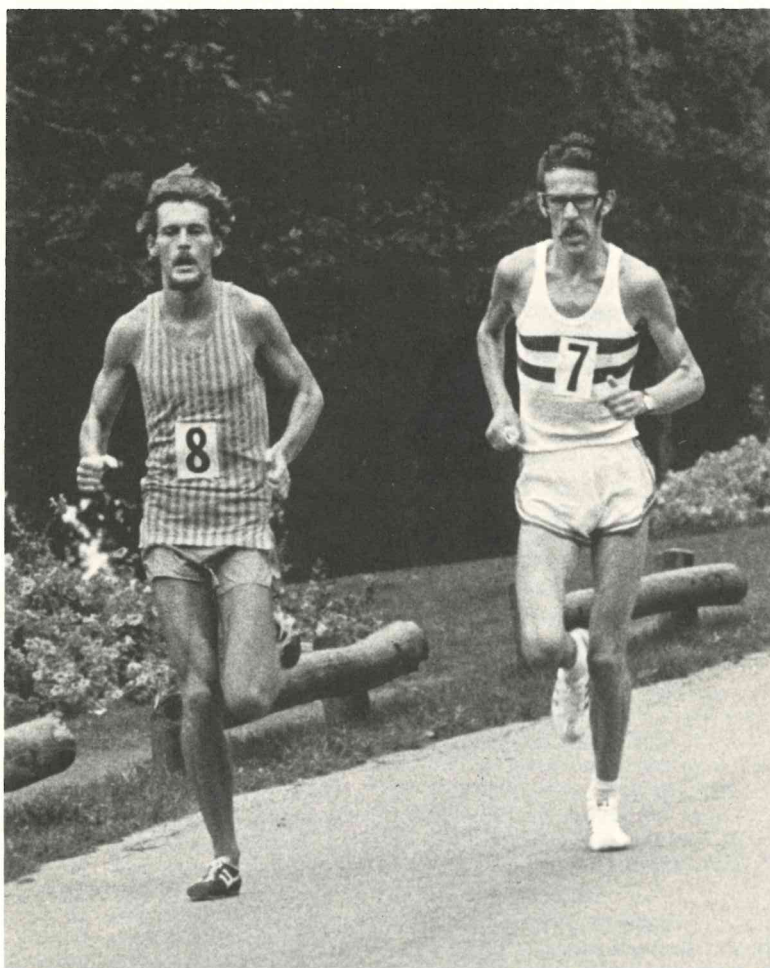
6:00:— Larry Hilt (70+, Ore)

## WOMEN'S BESTS

Age	Name	Time
6	Mary Etta Boitano	4:27:32
7	Mary Etta Boitano	3:57:42
8	Mary Etta Boitano	3:46:21
9	Kelly Cunneen	4:27:46
10	Connie Cunneen	4:03:42
11	Connie Cunneen	4:15:44
12	Carolyn McDonald	3:37:04
13	(none available)	
14	Vickie Paulson	3:51:05*
15	Londa Kingery	3:58:07*
16	Caroline Walker	3:02:53*
17	Pam Schmidt	3:46:59
18	Beth Bonner	3:01:42
19	Beth Bonner	2:55:22
20	Janet Newman	3:47:20*
21	Diana Crockett	4:38:28
22	Cheryl Bridges	3:14:45
23	Cheryl Bridges	2:49:40
24	Kathy Miller	3:15:28
25	Eileen Waters	3:42:40 (3:32:38 in downhill run)
26	Ona Dobratz	2:59:40*
27	Vicki Foltz	3:26:28
28	Pam Weigle	3:43:29
29	Patricia Loveland	3:42:25
30	Peggy Fritz	4:40:49
31	Nina Kuscsik	3:10:—
32	Nina Kuscsik	2:56:04
33	Sara Berman	3:05:07
34	Sara Berman	3:07:10
35	Sara Berman	3:00:35*
36	(none available)	
37	Robyn Paulson	4:59:10*
38	Ivy Gorman	3:37:02
41	Barbara Barnes	4:05:27*
42	Barbara Barnes	4:22:—
43	Barbara Barnes	4:17:18
46	Mary Boitano	4:50:—
47	Mary Boitano	4:38:16
52	Marcie Trent	4:40:03*
53	Marcie Trent	4:45:28*

## Chapter Two

# *The In-Between Events*



Kenny Moore (left) is particularly devastating in the "in-between" events. Here he's beating Mike Freary and is about to break Ron Hill's record in the Springbank International 12-mile. (Rick Levy)

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# FILLING THE GREAT GAP

Contrary to appearances, there isn't a vast empty space between 10,000 meters—the longest track and cross-country distance normally run in the US—and the marathon. In between the two are five national championship distances and nine distances at which records can be set. This range of 20 miles is begging to be exploited by runners from both extremes, yet it gets so little activity compared to track and the marathon that it's hardly noticed.

The reason for the lack of attention could be that times and distances don't mean much. Few Americans have been taught to think in kilometer terms, so they can't relate either to a 20-kilometer race or a time of, say, 1:10 for that distance.

Not many runners throw their full effort into these races, and that's a shame. Obviously many are going to race best in this range. A few years ago, Ron Hill did his best competing between 10 and 20 miles before maturing fully into marathoning. Kenny Moore appears to be even stronger at these distances than at the extremes, judging by his stunning win in the 1971 Springbank International 12-mile in Canada (in which he broke Hill's record). Bill Clark is best here, too. Last year, he broke six American records between one and two hours, and could have walked on to the 20-kilometer mark if he'd known he was so close.

The idea in this short chapter is to give the "in-between" distances more attention and meaning, hoping other Moores and Hills and Clarks will be lured into the gap.

The first thing the "in-betweens" apparently need are generally recognized standards similar to the three-hour marathon. Here are some off-the-head guesses about equivalents.

Quarter-marathon (6m 976y)	38 min.	Half-marathon (13m 192y)	1:20
8 miles	47 min.	15 miles	1:35
15 kilometers (9m 564y)	56 min.	25 kilometers (15m 940y)	1:39
10 miles	1:00	30 kilometers (18m 1128y)	2:00
One hour	10 miles	Two hours	18.7 mi.
20 kilometers (12m 754y)	1:15	20 miles	2:10

This first stab at all-time and 1971 lists at the most common of these distances includes only races on the track—and there aren't a whole lot of them. Most races are on the roads. And in 1972 we'll be keeping lists of those on *certified* (there's that word again) courses. For now, this is a start.

# ALL-TIME LISTS

## WORLD

### 10 Miles

46:37.6	Jerome Drayton (Can) '70
46:44.0	Ron Hill (GB) '68
47:02.0	Ron Grove (GB) '68
47:12.4	Ron Clarke (Aus) '65
47:20.2	Trevor Wright (GB) '70

### One Hour

12m 1478y	Gaston Roelants (Bel) '66
12m 1268y	Ron Hill (GB) '68
12m 1124y	Trevor Wright (GB) '71
12m 1084y	Ron Grove (GB) '68
12m 1075y	Seppo Tuominen (Fin) '71

### 20 Kilometers

58:06.2	Gaston Roelants (Bel) '66
58:39.0	Ron Hill (GB) '68
59:02.2	Trevor Wright (GB) '71
59:05.6	Ron Grove (GB) '68
59:05.8	Seppo Tuominen (Fin) '71

### 15 Miles

1:12:48.2	Ron Hill (GB) '65
1:12:51.0	Jim Alder (GB) '70
1:13:37.0	Tim Johnston (GB) '70
1:13:47.0	Jack Foster (NZ) '71
1:14:01.0	Emil Zatopek (Czech) '55

### 25 Kilometers

1:15:22.6	Ron Hill (GB) '65
1:15:34.4	Jim Alder (GB) '70
1:16:20.6	Tim Johnston (GB) '70
1:16:29.0	Jack Foster (NZ) '71
1:16:36.4	Emil Zatopek (Czech) '55

### 30 Kilometers

1:31:30.4	Jim Alder (GB) '70
1:31:56.4	Tim Johnston (GB) '70
1:32:17.0	Ron Hill (GB) '70
1:32:19.0	Jack Foster (NZ) '71
1:32:25.4	Jim Hogan (Ireland) '66

### 20 Miles

1:39:14.4	Jack Foster (NZ) '71
1:40:59.0	Jim Alder (GB) '64
1:42:07.0	Eric Austin (GB) '64
1:42:07.0	Don Macgregor (GB) '70
1:42:21.0	Alastair Wood (GB) '70

### Two Hours

23m 1071y	Jim Alder (GB) '64
23m 971y	Don Macgregor (GB) '70
23m 562y	Alastair Wood (GB) '70
23m 335y	Eric Austin (GB) '64
22m 1690y	John Newsome (GB) '68

## AMERICAN

### 10 Miles

-1-	Buddy Edelen '63	48:28.0
-2-	Bill Clark '71	48:42.0
-3-	Bill Scobey '71	48:54.0
-4-	Bob Fitts '70	48:58.2
-5-	Ralph Buschmann '67	49:47.8

### One Hour

-1-	Bill Clark '71	12m 527y
-2-	Bill Scobey '71	12m 389y
-3-	Mike Kimball '67	12m 232y
-4-	Greg Brock '71	12m 194y
-5-	Buddy Edelen '62	12m 151y

### 20 Kilometers

-1-	Kenny Moore '66	1:02:25.6
-2-	Van Nelson '65	1:03:47.8
-3-	Bill Clark '71	1:04:31.6

### 15 Miles

-1-	Bill Clark '71	1:17:53.4
-2-	Ron Daws '65	1:18:10.8

### 25 Kilometers

-1-	Bill Clark '71	1:20:42.8
-2-	Lou Castagnola '68	1:21:36.4

### 30 Kilometers

-1-	Bill Clark '71	1:37:33.0
-2-	Richard Haines '63	1:45:28.4
-3-	Darren George '71	1:45:42.8
-4-	Chris Miller '71	1:46:09.4
-5-	Lou Castagnola '68	1:46:50.6

### 20 Miles

-1-	Bill Clark '71	1:44:56.4
-2-	Lou Castagnola '68	1:46:50.6

### Two Hours

-1-	Bill Clark '71	22m 1254y
-2-	Lou Castagnola '68	22m 628y

# 1971 U.S. LISTS

## 10 MILES

48:42.0	Bill Clark (27, Cal)
48:54.0	Bill Scobey (26, Cal)
49:50.0	Peter Duffy (Nev/GB)
49:58.0	Mark Covert (20, Cal)

## ONE-HOUR

12m 527y	Bill Clark (27, Cal)
12m 389y	Bill Scobey (26, Cal)
12m 194y	Greg Brock (23, Cal)
11m 1635y	Mark Covert (20, Cal)
11m 1621y	Mike Kimball (30, Ohio)
11m 1593y	John Casso (21, Cal)
11m 1593y	Jim McDuffie (23, NC)
11m 1545y	Peter Duffy (Nev/GB)
11m 1401y	Vic Nelson (22, Ky)
11m 1325y	Ron Pettigrew (24, Cal)
11m 1313y	Dave Anteonoli (20, Ohio)
11m 1274y	Chuck Smead (19, Cal)
11m 1242y	Tom Bache (28, Cal)
11m 1137y	Don Jayroe (25, NC)
11m 1098y	John Kennedy (27, Cal)
11m 1057y	Phil Ryan (27, Cal/Ire)
11m 1041y	Grant Colehour (Tenn)
11m 1000y	Carl Hatfield (23, WV)
11m 1000y	Pat McMahon (29, Mass/I)
11m 916y	George Wetherbee (27, Ohio)
11m 875y	Skip Houk (29, Cal)
11m 871y	Ron Wise (32, Cal)
11m 865y	Phil Ryan (27, Mass)
11m 829y	Mark Kushner (18, Cal)
11m 808y	Benny Martinez (20, Cal)

## Over-40

10m 1643y Peter Mundle (43, Cal)

## Women

9m 820y Nina Kuscsik (32, NY)

## 20 KILOMETERS

1:04:31.6	Bill Clark (27, Cal)
1:04:31.6	Alvaro Mejia (30, Cal/Col)
1:08:41.0	Chris Miller (27, Cal)
1:09:06.2	Darren George (23, Cal)

## 15 MILES

1:17:53.4	Bill Clark (27, Cal)
1:24:29.8	Chris Miller (27, Cal)
1:24:47.4	Darren George (23, Cal)

## 25 KILOMETERS

1:20:42.8	Bill Clark (27, Cal)
1:27:25.2	Darren George (23, Cal)
1:27:34.0	Chris Miller (27, Cal)

## 30 KILOMETERS

1:37:33.0	Bill Clark (27, Cal)
1:45:42.8	Darren George (23, Cal)
1:46:09.4	Chris Miller (27, Cal)

## 20 MILES

1:44:56.4	Bill Clark (27, Cal)
1:55:03.6	Chris Miller (27, Cal)
1:59:02.0	Jeff Kroot (27, Cal)

## TWO HOURS

22m 1254y	Bill Clark (27, Cal)
20m 1427y	Chris Miller (27, Cal)
20m 669y	Steve Goldberg (38, Ill)
20m 59y	Jeff Kroot (27, Cal)

# THIS YEAR'S SCHEDULE

All the "in-between" AAU championships except the one-hour track run are held on certified road courses. Here are details on the 1972 races.

**15 KILOMETERS (9 miles 564 yards 7.2 inches), Littleton, Colorado, Aug. 7—1971 winner: Tom Hoffman (Wisc) 48:28.3. Contact: Joe Arrazola, 12336 E. Ky. Ave., Auroro, Colo. 80010.**

**20 KILOMETERS (12 miles 754 yards 9.6 inches), Dedham, Massachusetts, Sept. 11—1971 winner: Bob Fitts (Wisc) 1:02:55.4. Contact: Bob Campbell, 39 Linnet St., West Roxbury, Mass. 02132.**

**25 KILOMETERS (15 miles 940 yards 1 foot), San Diego, California, Dec. 18—1971 winner: Bob Fitts (Wisc) 1:21:39. Contact: Bill Gookin, 5946 Wenrich Dr., San Diego, Calif. 92120.**

**30 KILOMETERS (18 miles 1128 yards 1 foot 2.4 inches), New York, New York, Oct. 15—1971 winner: Mike Kimball (Ohio) 1:36:26.6. Contact: Vince Chiappetta, 2 Washington Square Village, Apt. 9D, New York, N.Y. 10012.**

**ONE-HOUR** (results from around the country tabulated on a postal basis in late July)—1971 winner: Greg Brock (Cal) 12 miles 194 yards. Contact: John Brennand, 4476 Meadowlark Lane, Santa Barbara, Calif. 93105. (Junior championship—for runners under 20—is included.)

**JUNIOR 15 KILOMETERS, Greenbelt, Maryland, Sept. 3**—Open only to runners under 20. Contact: Larry Noel, 105 Northway Rd., Greenbelt, Md. 20770.

**JUNIOR 20 KILOMETERS, Aurora, Colorado, July 1**—Open only to runners under 20. Contact: Joe Arrazola, 12336 E. Ky. Ave., Auroro, Colo. 80010.

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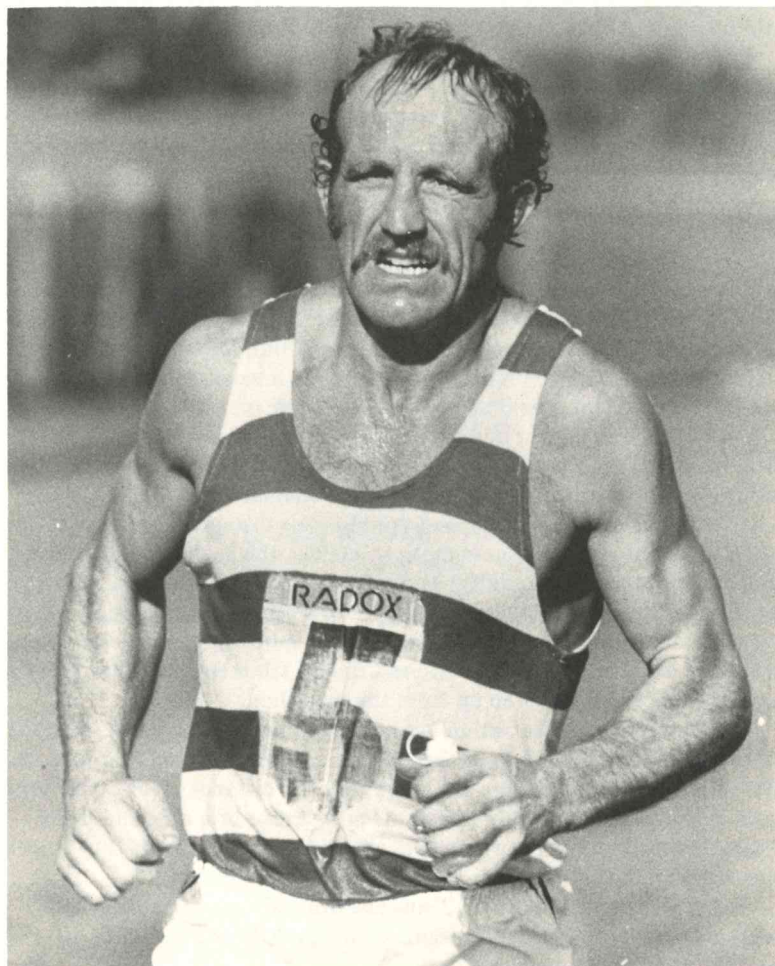
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## Chapter Three

# *Beyond 26 Miles*



Britain's Ron Bentley is running 400 laps on the track—100 miles. His 12:37:55 time was one of the best ever. (Ed Lacey photo)

# A FAR-OUT EXPERIENCE

Participation tails off drastically after the marathon distance. Thousands of people want to run 26 miles. Few want to run 27 or more. The ultra-marathons are special challenges, appealing to a special type of running mentality. They can never be expected to draw like the shorter runs. Or can they?

Each May, the Swiss hold a 100-kilometer race in and around the city of Biel. One-hundred kilometers is a natural obstacle in "metric-speaking" countries. But no matter how you say it—100 kilometers or 62.2 miles—it's still upwards of seven hours of continuous running.

Last spring that race had almost 2000 starters. By comparison, the biggest US race of the year, the San Francisco Bay to Breakers, had about the same number—and it was only about a tenth as long. After the Biel race, West German coach Dr. Ernst Van Aaken said, "I believe *any* runner can train himself to run 100 kilometers." The startling fact was not that so many could do it, but that so many *wanted* to.

There's nothing on that scale in US ultra-marathoning yet. But there are encouraging rumblings in the far-out distances. The little-publicized John F. Kennedy 50-mile in Maryland had 150 finishers (of nearly 600 who started). Eight US men traveled to England for the London-Brighton double marathon. Jose Cortez ran the fastest American 100-mile, and Ken Young set a US mark for 30 miles. Natalie Cullimore ran a world 100 best for women. And at least six US states held ultra-marathon races.

But events are still few and far between. There weren't more than 10 ultra-marathons in the country last year, and most of those were 50 miles or more. Anyone wanting to step up from the standard 26-miler is faced with an awfully long step—like almost doubling his distance.

To make the ultra-distances more accessible, the AAU might be wise to consider adopting 50 kilometers as one of its standard distances. It makes sense. This is already the Olympic distance for walkers. Conversion to the metric system is inevitable in the US, and in fact most other road championships already are at metric distances. And the 50-kilometer (31-mile 120-yard) distance is the logical next step up from the marathon.

The Pacific AAU Association has had a 32-mile run for years. Why 32 miles? Because that's the distance between Kezar Stadium and Stanford University. The race isn't run there any more, but the distance stuck. This year officials in that area will simply knock off nine-tenths of a mile and make it 50 kilometers. Not too many runners would be angry either if they knocked 37-plus miles from the 100-miler and made it 100 kilometers.

As Dr. Van Aaken observed, "Anyone can train himself to run 100 kilometers." Now to get them to want to, and give them the chance. . .



# ALL-TIME LISTS

## U.S. 50- AND 100-MILE BESTS

For Americans, the 50-mile is the most commonly run ultra-marathon.

The 50 is a national championship distance, and is about the same length as the London to Brighton 52½-mile. Americans have been running 50s regularly for about a decade now, and a deep all-time list has developed. Almost all these races have been on roads. +=52½-mile time.

1. Bob Deines (23)	5:15:19.2	Rocklin, Calif.	18 Oct 70
2. Skip Houk (28)	5:15:22	Rocklin, Calif.	18 Oct 70
3. Darryl Beardall (33)	5:18:55	Rocklin, Calif.	18 Oct 70
4. Skip Houk (29)—2	5:19:11	Rocklin, Calif.	17 Oct 71
5. Jose Cortez (18)	5:30:42	Rocklin, Calif.	18 Oct 70
6. Jose Cortez (19)—2	5:31:15	Rocklin, Calif.	17 Oct 71
7. John Pagliano (31)	5:33:03	Rocklin, Calif.	18 Oct 70
8. Ted Corbitt (50)	5:34:01	Rocklin, Calif.	18 Oct 70
9. Jim McDonagh (47)	5:36:52.6	New York, N.Y.	21 Feb 71
10. Ted Corbitt (49)—2	5:38:11+	Brighton, England	28 Sep 69

5:39:14	Vince Chiappetta (37) '71
5:45:19	Wayne Van Dellen (31) '68
5:49:59	Gary Dobrenz (25) '71
5:52:34	Tom Osler (27) '67
5:59:04	Bob Hunnerdosse (23) '70
5:59:43	Jim Bowles (22) '71

### Over-60 Best

8:08:58	Walter Stack (63) '70
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### Women's Best

7:24:50	Natalie Cullimore (33) '71
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### 100-Mile All-Time List

12:50:30	Jose Cortez (19) '71
13:33:06	Ted Corbitt (49) '69
16:11:00	Natalie Cullimore (33) '71
17:30:00	Lu Dosti (43) '70

## WORLD AND AMERICAN TRACK RECORDS

2:47:34.0	Jeff Julian (NZ) '69	-30 miles—	Ken Young '71	3:11:57.0
3:49:49.0	Alastair Wood (GB) '69	-40 miles—	Ted Corbitt '66	4:34:46.0
5:01:01.0	Phil Hampton (GB) '71	-50 miles—	Ted Corbitt '66	5:54:15.0
12:15:09.0	Dave Box (South Africa) '70	-100 miles—	Ted Corbitt '69	13:33:06
159m 562y	Wally Hayward (S Afr) '53	-24 hours—	Lu Dosti '70	127m 600y

# 1971 U.S. LIST

Listed here are the top American 50-milers of the year. A + after a runner's name indicates a 52½-mile time from London to Brighton.

## 5:19 to 5:59

- 5:19:11 Skip Houk (29, Cal)
- 5:31:15 Jose Cortez (19, Cal)
- 5:36:52 Jim McDonagh (47, NY)
- 5:39:14 Vince Chiappetta (37, NY)
- 5:44:12 John Pagliano (32, Cal)
- 5:49:59 Gary Dobrenz (25, Cal)
- 5:55:48 Ted Corbitt (51, NY)
- 5:59:43 Jim Bowles (22, Cal)

## 6:00 to 6:59

- 6:09:51 Darryl Beardall (34, Cal)
- 6:12:12 Martin Smith (Iowa)
- 6:13:41 Ralph Paffenbarger (48, Cal)
- 6:15:42 Elton Horst
- 6:16:28 Reuben Diaz (24, Hawaii)
- 6:17:04+ John Garlepp (NY)
- 6:23:10 Steve Grotzky (29, NY)
- 6:25:12 Dave Waco (39, Cal)
- 6:29:07 Don Lindaur (28, NY)
- 6:33:49+ Bob Deines (24, Cal)
- 6:34:02 Peter Mattei (47, Cal)
- 6:39:50 C.J. Bristol (Cal)
- 6:40:37 Al Meehan (30, Conn)
- 6:40:46 Johnny Faerber (Hawaii)
- 6:50:32+ Mike Allen
- 6:51:40 Paul Reese (54, Cal)
- 6:52:53 Karl Larson (49, Iowa)

- 6:53:40 William Hammack (Hawaii)
- 6:55:25 Mitch Kingery (15, Cal)

## 7:00 to 7:59

- 7:00:25 Joel Stein (19, Cal)
- 7:10:25 Mauro Capurso (45, NY)
- 7:11:38+ Rick Spavins (Cal)
- 7:11:40 Jim Comyns (Ohio)
- 7:20:00 James Harman (Ohio)
- 7:24:50 Natalie Cullimore (33, Cal)
- 7:28:23 Craig Harms (Ohio)
- 7:30:28 Robert Trame (Ohio)
- 7:32:47 Bruce Kritzler (Ohio)
- 7:37:23 Jack Knoll (Ohio)
- 7:42:03 Sam Holland (Md)
- 7:49:11 Wayne Lucas (Cal)
- 7:56:14 Les Mentzer (Md)
- 7:59:24 Mike Ipsen (27, Cal)
- 8:00:45+ Phil Heath

## Women

- 7:24:50 Natalie Cullimore (33, Cal)
- 8:10:04 Maureen Wiemeyer (Cal)
- 9:29:48 Donna Aycoth (Md)

## Ages 14 and Under

- 9:54:17 David Wilson (11, Cal)

## Ages 60 and Over

- 9:09:12 Norman Bright (61, Wash)

## THIS YEAR'S SCHEDULE

Ultra-marathons still aren't at the organizational level of marathons, at least in the US. Many are put together spur-of-the-moment. To the best of our knowledge, though, here are details on scheduled 1972 races—including the biggest internationals.

### UNITED STATES

**30-MILE, Tacoma, Washington, Jan. 16**—New race in 1972. Contact: Jim Pearson, 5050 Hannegan Road, Bellingham, Wash. 98225.

**50-KILOMETER, San Francisco, California area, November**—1971 race (32 miles): 13 finished, won by Darryl Beardall 3:15:52. Contact: Peter Mattei, 1000 North Point, San Francisco, Calif. 94109.

**40-MILE (TRACK), Chicago, Illinois, May**—New race in 1972. Contact: Ken Young, 5048 S. Blackstone Ave. Apt. 2, Chicago, Ill. 60615.

**AAU 50-MILE, Rocklin, California, Oct. 29**—1971 race: 19 finished, won by Skip Houk 5:19:11. Contact: Bob DeCelle, P.O. Box 362, Alameda, Calif. 94501.

**50-MILE, Honolulu, Hawaii, December—1971** race: 6 finished, won by Reuben Diaz 6:16:28. Contact: Sam Bosseti, 1777 Ala Moana, Honolulu, Hawaii 96813.

**50-MILE, Des Moines, Iowa, September—1971** race: 9 finished, won by Martin Smith 6:12:12. Contact: Butch Hammer, 607 S.E. Hughes, Des Moines, Iowa 50315.

4775 S.E. 62nd Ave. 266-3369

**50-MILE, Boonsboro, Maryland, March 25—1971** race: 150 finished, won by Elton Horst 6:15:42. Contact: Buzz Sawyer, 149 N. Potomac St., Hagerstown, Md. 21740.

**50-MILE, New York, New York, February—1971** race: 9 finished, won by Jim McDonagh 5:36:52.6. Contact: Vince Chiappetta, 2 Washington Square Village, Apt. 9D, New York, N.Y. 10012. (Other ultra-marathons probably will be held in the New York area; contact Chiappetta for information on those.)

**100-MILE, Sacramento, California, March 11—1971** race: 4 finished, won by Jose Cortez 12:54:30.8. Contact: Peter Mattei, 1000 North Point, San Francisco, Calif. 94109.

**100-MILE (INDOOR TRACK), Los Angeles, California, Oct. 31—**No information available on 1971 race. Contact: Russ Pierce, Los Angeles Athletic Club, 431 West Seventh St., Los Angeles, Calif. 90001.

## INTERNATIONAL

**COMRADES MARATHON (54 miles), Pietermaritzburg to Durban, South Africa, July—**usually has over 800 runners. Contact: Douglas Alexander, 305 Coral Island, York Ave., Johannesburg, South Africa.

**LONDON-BRIGHTON (52½ miles), England, September—1971** winner: 51 finished, won by Dave Levick 5:21:45. Contact: John Jewell, 296 Barkham Rd., Wokingham, Berkshire, England.

**100-KILOMETER, Biel, Switzerland, May—1971** race: 1518 finished, won by Lynn Hughes 7:42. Contact: Organisation 100-km. lauf von Biel, Postfach 437/2501, Biel, Switzerland.

**100-KILOMETER, Unna, West Germany, September—1971** race: 950 finished, won by Helmuth Urbach 6:57:55. Contact: Meinrad Nagele, D5 Koln (60-Nippes), Budericherstr. 1, West Germany.

## Chapter Four

# *R.W. 24-Hour Relay*



Dos Pueblos High School of southern California ends a record-breaking one-day relay of over 270 miles. (Ray Borges photo)

# HERE'S HOW IT'S DONE

The relay has been standardized and explicit rules set up for good reason. We want to be able to compare teams accurately, even though they're running at different times and places. It's important that the following rules be followed to the letter.

- The relays can be run any time, at any location.
- Any group of runners may form teams, with a minimum of two and maximum of 10 runners. (You needn't be in the same club or school to run as a team. But if your team has members from several different clubs or schools, none of the teams' names can be used.)
- You should decide on a name for your team, to be submitted along with the total mileage you cover in the 24-hour period.
- Before starting, each team must decide on the order its members will be running, and this order must be kept throughout the relay.
- The relay must be run on a 440-yard track.
- Each person must run exactly one mile each time it is his turn to run. (If a runner drops out during his mile, then none of that mile counts, he is out of the relay and the next man starts his mile.)
- Only the original runners can run. No substitutes!
- If a man drops out (either missing his turn or quitting during his mile), then he is out for good. But the team may continue without him. A team can also stop its relay, waiting for a man to show up as long as the man that is scheduled to run is, in fact, the one who runs. (*Note:* If upon completion of your mile, you find that the next man is not on the scene, the stop and wait for him. If you run another lap it just wastes your time and energy because only one mile is recorded for you and the next man still must run his mile.)
- Only completed individual miles count towards the team's total (except at the end of the 24-hour period, when exact yardage of the last partial mile must be measured.)
- Each team must carry a baton at all times, and it must be handed off within a reasonable distance of the starting line.
- A non-competitor (not necessarily the same one all the time) must be on hand at all times recording mileage.
- A team can stop at any time, but of course the clock goes on and since the objective is to run as many miles as possible within the 24-hour period it is wise to keep going. However, if your team gets to the point where it has only a few runners still going, then maybe a couple hours' break would be beneficial. The only rule is that the next man in line must be the man who starts running again.
- The total team mileage, along with individual totals must be reported as soon as possible. Mail results to *Runner's World*, Box 366, Mountain View, Calif. 94040. It isn't necessary to run the full 24 hours to be eligible.

# RELAY RECORDS

At less than two years of age, the 24-hour relay already has an impressive set of records. The teams which have run it represent 31 US states and five countries. Here are the records in various categories—along with the best marks recorded in each state. States not listed haven't yet held a relay.

<b>World</b>	295 miles 269 yards	Olympic Training Camp (Wash)	1970
<b>College</b>	277 miles 896 yards	Furman University (South Carolina)	1971
<b>Club</b>	287 miles 392 yards	Sale Harriers (England)	1971
<b>H.S.</b>	270 miles 1217 yards	Dos Pueblos (California)	1971
<b>Over-40</b>	259 miles 108 yards	Senior Track Club (California)	1971
<b>Women</b>	206 miles 1434 yards	Oregon Track Club (Oregon)	1970
<b>10 men</b>	295 miles 269 yards	Olympic Training Camp (Wash)	1970
<b>9 men</b>	246 miles 1615 yards	Lorain County R.R. (Ohio)	1971
<b>8 men</b>	258 miles 842 yards	New Canaan H.S. (Connecticut)	1971
<b>7 men</b>	174 miles 1234 yards	Los River School (Oregon)	1971
<b>6 men</b>	(no record)		
<b>5 men</b>	164 miles 1606 yards	Chicago Track Club (Illinois)	1970
<b>4 men</b>	104 miles	Enumclaw Spikers (Washington)	1971
<b>3 men</b>	110 miles	Green River College (Washington)	1971
<b>2 men</b>	76 miles	Waltham Runners (Massachusetts)	1970

## STATE ALL-COMERS RECORDS

Ariz.	Arizona All-Stars	263m
Ark.	Ten Harding Runners	259m 1461y
Cal.	Southern Cal All-Stars	290m 1606y
Colo.	Sterling Jr. High	169m
Conn.	New Canaan H.S.	258m 842y
Fla.	Titusville H.S.	259m 331y
Ga.	Ft. Benning Orienteers	257m 963y
Idaho	Idaho Falls Striders	209 m
Ill.	Catholic League	245m 1465y
Ind.	Elkhart Track Club	229m
Md.	Otto Club	257m 1554y
Mass.	S.E. Mass. University	248m 1200y
Mich.	Livonia H.S.	229m 590y
Minn.	Carleton-St. Olaf	274m 141y
Mo.	Florissant Valley T.C.	256m 402y

Mont.	Aadsen Ford, Ronan	203m 350y
N.H.	New England College	223m 270y
N.J.	North Jersey Striders	271m 229y
N.M.	Atomic City T.C.	272m 632y
N.Y.	Finger Lakes Runners	255m 790y
N.D.	Capital City Grease	242m 1320y
Ohio	Ohio Track Club	274m 936y
Okla.	Tulsa Running Club	250m 1294y
Ore.	Honeysuckle T.C.	266m 896y
Pa.	Suburban All-Stars	259m 1161y
S.C.	Furman University	277m 896y
Tex.	Dallas Area Runners	245m 97y
Va.	Winchester A Team	271m 191y
Wash.	Olympic Camp	295m 269y
W.V.	West Virginia Runners	284m 1240y
Wisc.	John Marshall H.S.	256m 433y

## 24-HOUR RELAY PACING CHART

300 miles = 4:48.0 per mile	220 miles = 6:32.4 per mile
290 miles = 4:55.8 per mile	210 miles = 6:51.6 per mile
280 miles = 5:08.4 per mile	200 miles = 7:12.0 per mile
270 miles = 5:19.8 per mile	190 miles = 7:34.8 per mile
260 miles = 5:32.4 per mile	180 miles = 7:46.2 per mile
250 miles = 5:45.6 per mile	170 miles = 8:14.4 per mile
240 miles = 6:00.0 per mile	160 miles = 8:46.4 per mile
230 miles = 6:15.6 per mile	150 miles = 9:19.8 per mile

# BIG RELAY WEEKEND

This year the 24-hour relay becomes more than just a "freak" event. We have made arrangements with the US Olympic Committee to have a National 24-hour relay weekend where we will be raising money for our Olympic team competing in Munich. The weekend is June 9-10-11. Now this doesn't mean that you can't run a relay on another weekend, but on this weekend we are interested in having as many teams as possible run the relay.

We will again have a major relay in the San Francisco Bay area. Last year we had 30 teams and this year we even expect more. The relay becomes much more exciting with a large number of teams. If you have never run one, this would be an excellent place to start. The exact site has not been determined at this time, but we will announce it well in advance in *Runner's World*.

This will be one of the relays. Now we want to find other people interested in holding a relay. We are looking for people who can handle three or more teams. Also, we want people who will put some time into this because you just can't expect to run off a relay without a lot of work. But don't let me scare you. If you are interested, we can supply all the details. If you have a track with at least one good light, you won't have any problems.

If you are interested in holding a relay, follow these suggestions:

- Check with a school in your area and find out if it would be possible to use its track during this weekend.

- Find out if you can use at least one light. You can get by with lanterns, but a stadium light is much better.

- Then write us and tell us you are interested. We will then put you on our list for relays being held that weekend. We will advertise this fact in a full-page ad in the May issue of *Runner's World* and in other publications. We will also supply you with all the information needed to run off a relay. Also, you will receive scoring sheets, and other material needed.

- The deadline for letting us know that you want to hold a relay is April 1. We need to know by this date so we can start spreading the word. If you are at all interested, please contact us at once. Write: Bob Anderson, Box 366, Mountain View, Calif. 94040.

The fund-raising procedure will be very simple. We will encourage teams to search out sponsors for their team. Sponsors can either donate a set amount or pledge so much per mile—e.g., two cents per mile. Then after the relay, this money would be collected and mailed to *Runner's World* in envelopes provided. Also, we will have containers at each site so that people can make donations.

This fund-raising campaign is not limited to just this one weekend. You may run a relay on a different weekend and raise money for the Olympic team, but all money should be received no later than July 3. We will at this time send the entire amount to the Olympic Committee in New York City.

We are going to have a fun weekend June 9-11. If you are interested, write: *Runner's World Magazine*, Box 366, Mountain View, Calif. 94040.

# GROWTH OF A "FREAK"

BY BOB ANDERSON

No one would have thought 30 teams (mostly consisting of 10 runners but one with only three) would have even started a 24-hour relay. But to have 28 of these finish is something beyond reality. Two-hundred eighty-seven runners started the all-night affair July 9, and all but 57 were still running when their mile came around one day later.

It all started 13 months earlier when Joe Henderson (editor of *Runner's World*) and I were sitting around at the office thinking of "freak" events which we had seen or been part of. Somehow the conversation shifted to "how about sponsoring an event?" We had talked about a marathon on the track, a two-hour run. And then it came to me: "How about a 24-hour relay?" It sounded exciting, and by 5:30 p.m. we had most of the rules in order.

The teams would have 2-10 runners. Each would run one mile—no longer and no less—passing off the baton to the next person in line and keeping that order throughout. If a runner missed his turn or dropped out, he could not come back. Since so much can happen in 24 hours, the rules were fixed so a whole team wouldn't have to suffer because of one man.

This was the birth of the 1440-minute-long event. The first relay was held about two weeks later at Foothill College in Los Altos Hills, Calif. Seven teams started, and five were still going at the finish. Joe and I both ran, and in fact the *Runner's World* team covered 258 miles 831 yards for first place and a "world record."

This was only a start. Thirty-five other teams circled the track for 24 hours during the year. What a year it was! The Olympic Training Camp in Pullman, Wash., had a relay. The "Red" team went 295 miles 269 yards with such runners as Gerry Lindgren, Bill Scobey, Jerry Jobski and Bob Bertelsen among the field. The "Blue" team made 289 miles 1512 yards. Later, the Atomic City Track Club ran 272 miles 632 yards (at 7330 feet altitude), an over-40 team (Seniors T.C.) went 232 miles 55 yards and an all-girls team (Oregon T.C.) recorded 206 miles 1434 yards for a girls record.

That was 1970. Fifteen teams had averaged better than six minutes per mile (240 miles) for the entire relay.

Was this it? Would interest die down? It was hard to say. By May only two teams had entered the 1971 postal competition. But things began happening. While we were working on our own relay, results started coming in. In fact, by the time July 9 (the starting date of our relay) came around, 43 teams already had entered. A group from Furman University had ran 277 miles 896 yards for first place and a team from Dos Pueblos High School in Goleta, Calif., hit 270 miles 1217 yards for a high school record.

I had decided the all-weather track at Foothill College in Los Altos Hills would again be the ideal place for our relay. After checking with the track coach several months before the start, everything seemed like it could be worked out. But a phone call three weeks before the start didn't sound very promising.

"The track will be torn up and you simply can not use the track," the lady on the phone said. I then double-checked with the track coach and he just didn't feel the track would be under repair. He told me to check with Bob



Campbell, the summer recreation director at Foothill. (By the way, the track hasn't yet been replaced.)

Bob Campbell was at least to the point, "No, you cannot use our track because of all the problems last year." The only problem was that we didn't ask his permission but just the track coach's. "The reason I have this job is that I can say no . . ." "Yes, I am interested in promoting running, but not freak events. . ." That's what happened to our "sure" track.

So here we were, 21 days before the relay and no track. We had already advertised that Foothill College would be the place, so something had to be done right away. A call to Mike Ipsen (coach of the Redwood City Striders) sounded encouraging. He suggested Sequoia High School in Redwood City, and he was very confident that there wouldn't be any problems in getting things set up there. The track was dirt, but they had lights and bathrooms. The new location would work.

Everything seemed in order except that I really had not talked to anybody at the school. But we printed up new entry blanks, rushed out the July issue to our California subscribers, and were making final arrangements for a good relay. I was sure nearly everyone would hear about the new location.

Wednesday morning, June 30—only nine days before the start—I called just to make sure everything still was in order. "Well, they really don't want an all-night relay because there could be problems. We would have to hire two policemen to spend the night to 'protect us,' and that would cost \$180," Mike said. If we had to hire cops to "protect us," I didn't feel Sequoia was the right place after all. Again we didn't have a track.

Someone suggested San Jose City College and the all-weather track and lights and good bathroom facilities sounded good. "Sure, you can use the track as we don't have anything planned for that weekend," the track coach said. We had a track I thought. "But, you must check with the Community Service director since he is the man that makes all the decisions during the summer."

I called the Community Service office and found the man to be on vacation but set up an appointment for Tuesday morning at 9:30—some 3½ days before the gun would send the first runners off into the night.

As I walked into the office that morning I was hoping just to get an okay and that would be it. It just wasn't so. "We have never had an all-night event and we just don't want to get involved," he said. "What would you do if someone dropped dead from a heart attack during the night?" But the one I really liked was when he said, "Your event is one that just doesn't have to happen." Does any track event have to happen? Oh, we could use the track during the daylight hours but not during the night.

Another "sure" track went down the drain. People had been calling all week and all we could still say was that we didn't have a track. In fact, I had heard from over 20 teams and I wasn't going to let them down.

Leo Long was the next man I called. He is the track coach at Los Altos High School and a man I did know. "I am not positive but I think you can use our track but it is only dirt, we have no lights and the bathrooms are in the locker room away from the track," Leo said. It really didn't seem very good, but he said he would find out who we must check with. "Stan Thompson is the man, but only call him if you really want to use the track. He knows

all about the relay and you shouldn't have any problems," Leo said.

Leo also gave me some phone numbers of other track coaches including Phil Mooers at Sunnyvale High School. Phil said he knew of some schools with lights and that he would check them out for me. This was 8:00 p.m. Tuesday night. He would call about mid-morning on Wednesday. Should I wait or just try to get the Los Altos track? I waited because lights are important.

I had told people on the phone Monday and Tuesday to check back with me Wednesday morning, and so the phone started to ring again. "I am sorry but we don't have a track just right now, could you call me back after lunch," I said. At 10:35 a.m., Phil called. "I can't find a school that has lights that we could use but maybe we could use our track. The only problem is that I couldn't tell you for sure until about 3:00 p.m." I thanked him and said we just had to know before this because we couldn't keep people wondering any longer.

I next called Stan Thompson. "I really can't tell you for sure but if you give me a call right before noon I can tell you for sure. I have to check with Mr. Angus—the principal."

At 11:53 a.m. I called Stan, hoping for the "right" answer. "Yes, you may use our track and we just need you to sign a couple of papers for us," he said. We had a track at last.

Leo would open up the bathrooms, have the track in good shape and find a blackboard for us to record mileage at certain time intervals. Fred Mendoza, who was set to run on the *Runner's World* team could be in charge since he was a member of the faculty at the school.

It was only two days before the start now, and we needed to get the word out. The next 48 hours, the phone was in constant use, and it appeared that most knew about the new location.

For lights, I had been asking teams to bring extra lanterns, and with the full moon and a couple of electric lights enough light could be made. Luckily there was an electrical plug-in right at the starting line.

Friday came and my dream the night before that only three teams showed up and they all dropped out within 3 hours just wasn't true. When Rita (my girl friend) and I showed up at the track at 7:00 p.m. with the tables, scoring forms, packets, batons, sleeping bags, lights, signs, etc., the field already looked like a camping ground as it was filling up. Within an hour, the field was covered with tents of all kinds, kids, sleeping bags and even camp stoves.

We had thought of possibly 25 teams coming and thus we were ready for that number. But when 30 teams reported to the scoring table, we ran out of numbers. However, things still moved smoothly. Runners made up their own numbers. (The teams were numbered from 1 to 30.)

Since we felt some teams would go to the wrong track, I had people stationed at Foothill and at Sequoia, and in fact a few people did come to these other locations but were guided in the right direction.

It started to get dark and people were wondering if the start was still going to be at 9:00 p.m. At 8:57 I asked around for lanterns and several people came through. The electric lights were set up. I got the group together and explained the check-in procedure. "Make sure that every time you finish your mile you check in at the scoring table. If you don't, we can't count that you did anything," I said. After a few questions everyone seemed like they were ready to run. "Would every team have their first runner at the line in five minutes?"

We set up the Dekka timer which was loaned to us and noted that when it read 1440 minutes the race was over.

"Will the first men line up in order of team numbers so that we are sure everyone is here?" "Where is runner number 21?" "Over here." After about two minutes, the 30 runners were ready to head for the first turn where a lonely lantern stood. The crowd was thick and the excitement was overwhelming. Joe Henderson set them off with many running below five minutes on their first leg. With all the confusion around the line, it looked like there would be problems. But as the first runners handed off to the second men, they all checked in. "Team number eight, runner one, Steve." A "1" went down on the scoring sheet.

That's how it went for 24 long hours. At times, a runner would come in yelling, "Where's Tom?" or whoever and find him asleep, but that didn't happen very often. Each time the "Tom" would get up and run. It is really a weird feeling to be asleep one minute and running a mile the next.

The three officials at the scoring table, each taking ten teams, were keeping everything straight. There were still a lot of people at the starting line for several hours. But, as the night wore on, the people started to head for their sleeping bags. But the runners still kept coming out of the dark to take the baton another four laps.

Radios were still going, the moon was making a lot of light, there were still people taking times, the dust was heavy, the air was cool, the lanterns were still burning, all teams were still running. It was 3:00 a.m. Saturday morning.

Jeff and Scott Loughridge and Roy Goodman were recording miles, the clock showed 450 minutes, the lanterns were turned off, feet kept pounding in the dirt, it was getting light. It was almost 5:00 a.m.

We had shifts of five hours each at the scoring table and frankly I think running was just about as easy as taking one of these shifts. But there weren't any complaints.

As it got warmer, people started to come alive again. Almost everyone was still running and the sleep everyone lost really didn't seem missed now that it was light again. The little girls, the well-trained high school runners, the old-timers, the women, the untrained runners were still sticking it out for a mile.

At times, Brian Brown on Team 10 would bring out his bagpipes and play until he tired; Ron Larrieu, a former Olympian and running on our team, changed into the many t-shirts, hats and shorts he brought along; the Redwood City Striders found fun in throwing grapes at each other; but most just waited until their turn again to run. Many were still going strong, but some were already just watching. It was almost noon. Nine hours to go.

The Runner Road Red team had led through the night, but finally the Redwood City Striders team had put the pressure on and moved into the lead. The five-minute pace the Road Runners had held during the night was just too much.

The sun was hot, the dust was bad, the legs were tired, but 28 teams were still going. Even the Buckwheat Brothers, a team of three, were reporting in from time to time. George Stewart was still running some sub-five-minute miles as he did all night, and the relay's end was in sight. It was 4:00 p.m.

Most of the activity besides running had come to a stop, but running was still happening. People would limp to the line, take the baton and run four laps. It was so natural now.

The word started getting around that when their is one minute left a whistle will be blown and then the second whistle would mean to stop—the relay was ending. Excitement like at the beginning was again there, only the pain in the legs was new. And the sun had made a lot of people red, but that was of no concern now. The 24-hour relay was almost over. The day-long event that seemed like it would never end was ending.

Mary Boitano, a 48-year-old housewife, ran 6:30 for her last mile and many others recorded times they really didn't feel they had in them.

The first whistle sounded. The last runners were in full sprint. They stopped. It was the first time in 24 hours that people weren't running on the track. Two latterns were lit and yardage was recorded. At 9:30, only a handful of people remained and as the scoring table was removed by 9:50, the track was left alone to spend the night in peace.

Two hundred thirty runners had completed the relay, and as a group the 30 teams covered 6500 miles or 11 million footsteps. The Veteran Club set an over-40 record with 248 miles 101 yards (which was broken later), but the biggest record was to have this many people run around in circles a full day.

The 24-hour relay surely didn't die in one year, and by the comments we've heard it probably won't be dying for quite awhile yet.

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## COMPLETE 1971 RESULTS

Just as the year was ending, a team of Southern California All-Stars ran the second best distance in the event's history. The team's leader, Mark Covert, averaged 4:41.5 for his 29 individual miles—the fastest ever. In all, 183 teams reported their results.

1. SOUTHERN CALIFORNIA ALL-STARS 290m 1606y 12 Dec  
(John Casso, Mark Covert, Tim Tubb, Dave Babiracki, Doug Schmenk, Dave Lockman, Jon Sutherland, Ed Diaz, Al Siddons, Don Ocana)
2. SALE HARRIERS (England) 287m 392y 14 Nov  
(Dave Farmer, Barney Watkins, Andy Royle, Norman Carrington, Kelvin Breeze, Dai Davies, Brian Goulden, Steve Edmunds, Graham Clarke, Joe Craven)
3. WEST VIRGINIA RUNNERS 284m 1240y 29 Aug  
(Carl Hatfield, Dan Payne, Doug Carder, Don Sauer, Bill Huntington, Paul Talkington, Kim Nutter, Rich Marquez, Mike Mosser, Mike Scott)
4. TORBAY A.A. (England) 277m 1364y 30 Aug  
(Jim Campbell, Dennis Crook, Martin Wilson, Bill Valentine, Chris Mayhew, Jon Hassall, Trevor Honeychurch, Marc Watts, Paul Balland, Mike Dagg)
5. FURMAN UNIVERSITY (S. Carolina) 277m 896y 22 May  
(Lee Fidler, Dave Koss, Ken Jezek, Bill Moody, Paul Barker, Doug Nelson, Mike Caldwell, Jeff Berkshire, Thor Colberg, Steve Redfern)
6. OHIO TRACK CLUB 274m 936y 17 Jul  
(Steve Aumiller, Phil Sparling, Charlie Eickholt, Chuck Sweeney, Steve Gatsch, Jim Kaminsky, Steve McLean, David Vosburgh, Eric Zicht, Tom Bryant)
7. CARLETON-ST. OLAF (Minnesota) 274m 141y 26 May  
(Doug Chase, Dave Troy, Ron Johnson, Mark Aggerbeck, Mike Martin, Jerry Winegarten, Don Gjerdingen, Phil Stewart, Eric Berg, Eric Locher)
8. UNIVERSITY OF VICTORIA (Canada) 271m 761y 29 Aug  
(L. Corbett, W. Schamberger, Rob Ross, Jeff Hawker, Alex Stewart, Richard Kirkham, Alan Vyse, Chris Garrett-Petts, Gary Lockyer, Simon Rogers)

9. NORTH JERSEY STRIDERS (New Jersey) 271m 229y 21 Aug  
(Jay Gsell, Vic Mizzone, Dave Reinhart, Gary Cohen, Paul Donovan, Kevin McGrath, Don Corbo, Bob Buckstad, Jim Fogarty, Bill Arata)
10. WINCHESTER A TEAM (Virginia) 271m 191y 21 Aug  
(Wayne Cromer, Chris Tulou, Mike Blye, Kenney Brannon, Warren Hoke, Don Ganse, Gene Schultz, Baxter Berryhill, Howie Orndorff, Bobby Allanson)
11. DOS PUEBLOS H.S. (California) 270m 1217y 16 Jun  
(Tom Phillips, Carl Udesen, Dale Nickel, Terry Baker, Craig Bjorkman, Doug Hopwood, Joe Lambert, Gil Rocha, Joe Szerwo, Tom Kelsey)
12. REDWOOD CITY STRIDERS (Calif) 269m 101y 10 Jul  
(Randy Lawson, George Kirk, Pat Purcell, Ken White, Jose Cortez, Stu Thompson, Mat Yeo, Mitch Kingery, Dave Robertson, Dan Best)
13. MAD RIVER RUNNERS (California) 265m 156y 9 Jan  
(Ron Elijah, Howard Labrie, Mark Lowry, Dan Mullens, Rich Young, Bob McGuire, Mark Byers, Dave Santos, Fred Leoni, Vince Engle)
14. REICHELO'S RABBITS (Ohio) 264m 512y 4 Sep  
(Pete Haditsch, Ron Addison, Jim Steuhr, Mike Shepherd, Al Tonks, Wally Miekoski, Keith Polko, Mike Murray, Dave Bebenroth, Ken Bebenroth)
15. ARIZONA ALL-STARS 263m 24 Jul  
(Mario Castro, Ruben Moncuaiz, Spencer Smith, Walter Shiel, Mike O'Callaghan, Rudy Lujan, David Kristner, Fred Emerling, Mike Williams, Martin Rodriguez)
16. AGGIE TRACK CLUB (California) 262m 660y 10 Jul  
(George Martin, Chuck Waldman, Rudy Dressendorfer, Kurt Schroers, Martin Dean, William Hansen, Steve Martin, Ed Haver, Dennis Douglas, Jeff Ruble)
17. ILLUSION DWELLERS (Oregon) 260m 962y 8 Aug  
(Richard Forbes, Eric Lewis, Frank Francis, Dave Robbins, Randy Brown, Mark Kainz, John Fuller, Rick Langdon, Marv Pace, Larry Miller)
18. SANDUSKY HIGH SCHOOL (Ohio) 260m 924y 14 Nov  
(team members not reported)
19. WHITE BEAR HIGH SCHOOL (Minn) 259m 1550y 19 Jun  
(Denny Fee, Mark Kittleson, Mike Casper, Linc Woodbury, Brad Holmberg, Joe Schmura, Paul Slocum, Randy Ohman, Bob Sherman, Joe MacFarlane)
20. SUBURBAN ALL-STARS 259m 1161y 26 Jun  
(Dave House, Ed Doelp, Rich Jacovini, Chuck Kegel, John Wilson, Mike McCue, Pete Vaningen, Bob Manning, Frank Carroll, George Christopher)
21. ROAD RUNNER RED (California) 259m 630y 10 Jul  
(Angelo Martinez, Lester Mina, Joe Taxiera, Thomas Weir, Tony Gordinier, Bob Immethun, Barry Smith, Kevin Smith, Steve Smith, Brian Lodge)
22. TITUSVILLE HIGH SCHOOL (Fla) 259m 331y 9 Dec  
(Richard Byrne, Jim Dostakik, Keith Frisbee, Ken Kettenacker, Randy Rogers, Ken Shearer, Brent Smith, Rick Smith, Dave Sortet, Richard Wagoner)
23. SENIOR TRACK CLUB (California) 259m 108y 7 Nov  
(Bill Fitzgerald, Jim Van Tatenhove, Willis Kleinsasser, Don Jones, Lew Roberts, Conrad Eroen, Avery Bryant, Bob Carman, Dick Durand, Ron Watson)
24. NEW CANAAN H.S. (Connecticut) 258m 842y 17 Jun  
(Gerry Baerman, Rusty Tiedemann, John Foran, Chris Chipello, Dan Warfield, Tom Noland, Marcel Aillery, John Ensseler)
25. WORTHINGTON H.S. (Ohio) 258m 482y 10 Jun  
(Ralph Fallon, Greg Anderson, Allen Brown, Vince Carzoni, Bill Earley, Eric Stroo, Mark Duffy, Tom Long, Judd Klinger, Dave Browning)
26. OTTO CLUB (Maryland) 257m 1554y 15 Aug  
(Joe Fisher, Jeff Rundell, Joe Burno, Eric Standifer, Larry Noel, George Malley, Bob Rothenberg, Otto Mazzon, Tom Love, Frenchy Frande)
27. FT. BENNING ORIENTEERING (Ga) 257m 963y 25 Sep  
(Dale Aberle, David Kelley, Eugene Kraszeski, Donald Kennedy, Dennis McCullough, Donald Stanley, Robert McDuffie, James McNeely, Edward Strabel, Jon Nolan)

28. JOHN MARSHALL H.S. (Wisconsin) 256m 433y 30 Jun  
(Glenn Behnke, Richard Zaborske, Al Gamroth, Mark Seltzer, John Messler, Donn Behnke, Joe Czarnecki, Kevin O'Brien, John Toth, Steve Seltzer)
30. FLORISSANT VALLEY T.C. (Mo) 256m 402y 20 Jun  
(Ron DeClue, Otto Schnarr, Mike Porcelli, Randy Bakewell, Dwaine Akins, Ron Newcomb, Charlie Gatti, Dennis Knight, Brad Evans, Dan Casmaer)
31. PLEASANT HILL CLUB (California) 255m 587y 10 Jul  
(Mike Knott, Jim Kilgore, Albino Amador, Larry McGrael, Mike Laverling, Paul Williams, Mike Kinclloe, John Keller, Stan Denton, Joseph Brenick)
32. ROUGH CATS (Ohio) 254m 440y 4 Sep  
(Jim Dietweiler, Doug Leary, Neil Hanson, Greg Williams, Pearce Leary, Rick Cira, Jeff Berg, Tom Bombback, Ken Robinson)
33. BALTIMORE BLISTER POPPERS (Md) 253m 1173y 19 Jun  
(Jimmy Roberts, Jeff Smith, Larry Williams, Larry Johnson, Les Kinion, Tim Giles, Mark Drabkowski, Lee Castleman, John Higdon, Gus Loukas)
34. AMHERST HIGH SCHOOL (Ohio) 251m 1197y 4 Sep  
(Glen Wilburn, Scott Snyder, Tonny Otto, Dale Mitiska, Joe Mulica, Pete Raines, Jim Schneider, John McClure, Bruce Bailey, Joe Kinder)
35. HARRISONBURG RUNNERS (Va) 251m 803y 21 Aug  
(Elton Horst, Duane Frederick, Dave Kanagy, Dave Kiser, Daryl Bylen, Doug Yoder, Ed Ranck, John Shenk, LePama Brenneman, Ron Koppenhaven)
36. TRAVIS ROAD RUNNERS (California) 250m 1714y 10 Jul  
(Steve Burchard, Bob Davies, Danny Dershsel, Adam Ferreria, Bill Frank, Ed Healy, Ed Brennannt, Dan Hughes, James Murphy, William Slaughter)
37. NATO (Maryland) 250m 1581y 15 Aug  
(Kevin McCabe, Craig Tolley, Mike Shoemaker, Steve Nobles, Russ Jackson, Greg Gerlach, Bill Wilson, Mike Evans, Terry McCabe)
38. TULSA RUNNING CLUB (Oklahoma) 250m 1294y 15 Aug  
(Henry Shawnee, John Holderman, Joe Lepley, Dennis Ziegler, Brooks Queen, Tom Kempf, Mark Miller, Terry Lewis, Glen Dorrough, Jeff Fetterman)
39. SOUTHEASTERN MASS. UNIVERSITY 248m 1200y 3 Sep  
(Glenn Nieuwenhuis, Tim Jarvis, Peter Laing, David Ozug, Peter Kuchinski, Dennis Dussault, Howard Bernstein, William Kelly, Peter Murray, Steve Cybett)
40. VETERANS TRACK CLUB (Cal) 248m 1063y 10 Jul  
(Bill Mackey, Frank Harrison, Keith Campbell, Don Pickett, Harry Hill, David Stevenson, Bob Mackey, Ross Smith, Jim Mackey, Peter Wood)
41. SUMMIT TRACK CLUB (Ohio) 247m 1740y 13 Jun  
(Eric Williams, Dave Richard, Brian Barrick, Kirk Isakson, Bob Vandegrift, Keith Runion, Carl Moore, Jim Farren, Carl Glatze, Gary Fredrickson)
42. LORAIN COUNTY RUNNERS (Ohio) 246m 1615y 4 Sep  
(Mike Niomic, Jeff Lardon, Bob Washburn, John Bryant, Steve Zapor, Barry Craig, Doug Sharpnack, Bob Lichmar, Tim Browning)
43. SOLANO TRACK CLUB (California) 246m 1058y 10 Jul  
(Greg Chapman, Richard Langford, Nils Carlson, Jeff Collins, Lambert Kelly, Bill Flodberg, Mike Deatherage, Chuck Rogers, Philip Holder, David Nelson)
44. CANTON LEHMAN H.S. (Ohio) 246m 222y 23 Jun  
(Bob Gattrell, Steve Allensworth, Mike Kent, Don Olynick, Tom Morgan, Dan Rish, Tim Schneider, Chuck Smith, Pat Kelly, Mike Albert)
45. CATHOLIC LEAGUE WOODMEN (Ill) 245m 1465y 20 Jun  
(Ferguson, Kast, Eisenschenk, Krol, Hall, Joe Jackson, Kochalka, Jack Jackson)
46. ANGELL FIELD HARRIERS (Cal) 245m 1421y 10 Jul  
(John Huggins, Angus Morrison, Dave Whiting, Jay Thomas, Kenneth Witt, R.E. Haynes, Raymond White, Gerry Purdy, John Hutchinson, Don Peterson)
47. WILLIAM AND MARY (Virginia) 245m 440y 2 Jun  
(Howell Michael, Andy Roney, Bob Bjorklund, Wayne McBride, Vince Norako, Rick Platt, Chris Nugent, Tom Frantz, Randy Hawthorne, Cornell Christianson)

48. SARATOGA H.S. (California) 244m 987y 10 Jul  
(Ronald Grander, Jan Brandon, Dave Brune, Michael Laurence, Milton Dean, Jim Moore, Pete Mayerhofer, Ray Grander, Jeff Venable, Bill McEwen)
49. RUNNER'S WORLD (California) 243m 457y 10 Jul  
(Bob Stevenson, George Stewart, Frank Hagerty, Ron Larrieu, Ben Sawyer, Kevin Daley, Bruce Ebnother, Fred Mendoza, Bob Anderson, Dennis Stevenson)
50. STERLING TEAM 1 (Illinois) 243m 274y 4 Jun  
(Moses Garcia, Raul Ranjel, Tom Delgado, Ernie Ramos, Jose Avelar, Bill Yemm, Gene Hallman, Locho Rodriguez, Roger Johnson, Lee Johnson)
51. UNIVERSITY OF CHICAGO T.C. (Ill) 243m 120y 20 Jun  
(Dave Artis, Ken Young, Scott Meyer, Ron Gayer, Pete Elliott, Mike Klein, Bob Davis, Dick King, Parnell O'Brien)
52. VALLEY TRACK CLUB (California) 242m 1540y 18 Aug  
(Dan Anderson Ted Quintana, Barry Parr, Ron Luschar, Jay O'Rear, Dave Cooper, Mike Dattke, Mike Rudy, Steve Derr, Randy DeValle)
53. CAPITAL CITY GREASE (N. Dakota) 242m 1320y 1 Aug  
(Joe Cleary, Rich Karlgaard, Bruce Beattie, Darrell Anderson, Gary Bracht, Brian Beattie, John Lange, Paul Puffe, Brad King, Ken Schwahn)
54. JEFFERSON TOWNSHIP T.C. (N.J.) 242m 440y 20 Jun  
(Bill Haggerty, Walt McConnell, Chris Sands, Stan Hankinson, Dave Dixon, Keith Hancock, Russell Glass, Kurt Lancaster, Mike Daswalt, Kevin Rocks)
55. NAPA VALLEY RUNNERS (Cal) 241m 1255y 10 Jul  
(Mike Collier, John McDaniel, Kent Van Vuren, Dave Panzer, John Lynde, Mike Healy, Dave Wright, Brent Masters, James Weil, Gerry Haslam)
56. SAHUARO DESERT RATS (Arizona) 241m 24 Jul  
(team members not reported)
57. BLACK HAWK NIGHT OWLS (Illinois) 240m 960y 24 Aug  
(Jeff Dresser, Rich Green, Steve Thillen, Mitch Wilson, Chris Cook, Gary Peterson, Dan Westadt, Steve Allen, Tom Greenlee, Nick Hutyaqua)
58. RAM ROAD RUNNERS H.S. (Wash) 240m 880y 13 Jun  
(Jeff Purcell, Bart Adams, Tom Mairs, Steve Allsop, Gary Robertson, Rob Masko, Steve Wirth, Bill Brouillet, Brian Brouillet, Kurt Billet)

### 230 to 239 Miles

Eastern Hills League (Ohio)	238m 1320y
Trotwood Madison (Ohio)	238m 877y
Rex Putnam H.S. (Ore)	238m 600y
Moreau H.S. (Cal)	236m 1320y
Middletown H.S. (Pa)	236m 818y
Winchester B Team (Va)	234m 1011y
Wyoming Valley (Pa)	234m 975y
Anderson H.S. 1 (Ohio)	234m 666y
Hillsdale-Aragon H.S. (Cal)	234m 555y
Sunnyvale All-Stars (Cal)	233m 333y
Sterling Team 2 (Ill)	232m 1046y
Saints (Ohio)	231m 654y
Cocoa Beach (Fla)	231m 440y
Proviso Striders B	231m 100y

### 220 to 229 Miles

Livonia H.S. (Mich)	229m 590y
Sylvania H.S. 1 (Ohio)	229m 589y
Brookside H.S. (Ohio)	229m 455y
Pamakid (Cal)	229m 136y
Elkhart Track Club (Ind)	229m
Dayton Fairview (Ohio)	228m 440y
Roxbury H.S. (NJ)	228m
Perryburg H.S. (Ohio)	226m 1500y

Buzz's Boys (Ohio)	224m 487y
New England College (NH)	223m 270y
San Jose Rubbery Legs (Cal)	222m 1548y
Montrose Area Striders (Pa)	222m 1379y
New Ulm H.S. (Minn)	222m 1320y
Plundering Horse (Md)	222m 900y
Redwood City Striders B (Cal)	221m 1692y
Brentwood Track Club (Cal)	221m 887y
Dover High School (NJ)	220m 1660y
Laurel B (Md)	220m 1213y

### 210 to 219 Miles

Monmouth H.S. (NJ)	218m 1470y
Schalmont Runners (NY)	218m 1375y
Road Runners Blue (Cal)	218m 415y
Redwood City Striders C (Cal)	218m 172y
A.W. Harriers T.C. (Ohio)	216m 1728y
Maumee H.S. (Ohio)	216m 1560y
Eglin AFB (Blue) (Ga)	215m 1404y
Evergreen Invitational (Cal)	214m 1313y
Kingsford High School (Mich)	214m 770y
San Lorenzo Runners (Cal)	214m 732y
Ritenour-Normandy H.S. (Mo)	214m 115y
Fort Lee Track Club (Va)	214m 11y
Greenfield Varsity (Wisc)	213m 1533y

Bowling Green H.S. (Ohio)	212m 458y	Toledo Univ. Striders (Ohio)	170m 374y
Eagles (Cal)	211m 283y	Sterling Jr. High (Colo)	169m
South End Rowing Club (Cal)	211m 136y	Dayton Stivers (Ohio)	169m
Eglin AFB (Red) (Ga)	210m 816y	South Brevard All-Stars (Fla)	167m
Wynford (Ohio)	210m 110y	Jefferson Township H.S. (NJ)	166m 1320y
<b>200 to 209 Miles</b>		American School Blue (Italy)	165m 770y
Idaho Falls Striders (Idaho)	209m	Missouri Runners (Mo)	164m
Victoria YMCA (Can)	209m 1167y	Columbus Striders (Ohio)	161m
Summit T.C. 2 (Wash)	206m 605y	Northeastern J.C. (Colo)	160m
Blister Poppers B (Md)	206m 587y	Dumont High School (NJ)	159m 840y
Scott H.S. (Ohio)	206m 538y	American School Red (Italy)	158m 990y
Lavender Team (Ind)	206m	Junior High Girls (NJ)	156m 1320y
Hudson Mohawk (NY)	205m 245y	Zaragoza Red Team (Spain)	150m
State University Faculty (NY)	205m 245y	<b>100 to 149 Miles</b>	
Aadsen Ford, Ronan (Mont)	203m 350y	Valley T.C. Gold (Cal)	148m
Pamakid B (Cal)	203m	Ohio Track Club (Ohio)	144m
24-Hour Terrors (Md)	201m 1472y	Timberettes 2 (Mont)	142m
Anderson H.S. 2 (Ohio)	201m	Amherst County H.S. (Va)	138m 39y
Redwood Frosh-Soph (Cal)	200m 1415y	Anderson H.S. Band (Ohio)	137m 140y
Walnut Ridge H.S. (Ohio)	200m	Proviso Striders A (Ill)	136m
<b>180 to 199 Miles</b>		Hillsdale H.S. Girls (Cal)	135m
S.S.S. (Ohio)	197m 1367y	Upper Arlington H.S. (Ohio)	127m
Webb Junior H.S. (Fla)	196m 880y	G.D.Y.C. (Cal)	126m
Hachepstown Striders (NJ)	196m 550y	Roxbury T.C. 2 (NJ)	117m
Winchester C Team (Va)	196m 281y	McCann's Boys (NJ)	113m 453y
Sylvania H.S. 2 (Ohio)	195m 1419y	Green River College (Wash)	110m
St. Francis Square (Cal)	194m 1510y	Holmes Hawks (Mich)	109m
Greenfield J.V. (Wisc)	194m 1055y	Del Mar H.S. (Cal)	105m
R.C. Striders Girls (Cal)	194m 237y	Enumclaw Spikers (Wash)	104m
Dayton Meadowdale (Ohio)	192m 440y	Fickett Junior High (Ariz)	104m
Road Runner Gold (Cal)	191m 449y	Wilson High School (Wash)	103m 795y
Ridgeville H.S. (Ohio)	191m	Woodward H.S. (Ohio)	101m
Elkhart Red Team (Ind)	188m 1320y	Amherst H.S. (Ohio)	100m
Rensselaer R.R. (Ind)	186m 904y	<b>99 Miles and Under</b>	
Florida Rangers (Fla)	186m 563y	Muncie Buris H.S. (Ind)	98m
Pamakid Girls (Cal)	184m 1174y	Zaragoza Blue (Spain)	97m
Pheidippides (Md)	183m 423y	West Virginia E (Va)	92 m
Speelman's Bee Farm (Mont)	182m 1200y	Buckwheat Brothers (Cal)	86m 361y
<b>150 to 179 Miles</b>		Parkway West H.S. (Mo)	84m
J.C. & Boys (Ohio)	179m	Niceville H.S. (Ga)	75m 1013y
Timberettes 1 (Mont)	176m 1320y	Falls Church T.C. (Md)	72m
Lost River School (Ore)	174m 1234y	Val & Gals (NJ)	61m
		Schwida A.C. (Md)	49m

## ALL-TIME WORLD LIST

TEAM (STATE)	DISTANCE	SITE	DATE
1. Olympic Training Camp (Wash)*	295m 269y	Pullman, Wash.	21 Jul 70
2. Southern Cal. All-Stars (Calif)	290m 1606y	Fullerton, Cal.	12 Dec 71
3. Olympic Camp Blue (Wash)	289m 1512y	Pullman, Wash.	21 Jul 70
4. Sale Harriers (England)	287m 392y	Sale, England	14 Nov 71
5. West Virginia Runners (WV)	284m 1240y	Morgantown, WV	29 Aug 71
6. Torbay A.A. (England)	277m 1364y	Torbay, England	30 Aug 71
7. Furman University (SC)	277m 896y	Greenville, S.C.	22 May 71
8. Ohio Track Club (Ohio)	274m 936y	Columbus, Ohio	17 Jul 71



9. Carleton-St. Olaf Striders (Min)	274m 141y	Northfield, Minn	26 May 71
10. Atomic City T.C. (NM)	272m 632y	Los Alamos, N.M	9 Aug 70
11. University of Victoria (Can)	271m 761y	Victoria, B.C.	29 Aug 71
12. North Jersey Striders (NJ)	271m 229y	Oakland, N.J.	21 Aug 71
13. Winchester A Team (Va)	271m 191y	Winchester, Va.	21 Aug 71
14. Dos Pueblos H.S. (Cal)	270m 1217y	Goleta, Calif.	16 Jun 71
15. Redwood City Striders A (Cal)	269m 101y	Los Altos, Calif.	10 Jul 71
16. Honeysuckle T.C. (Ore)	266m 896y	Eugene, Ore.	17 Aug 70
17. Mad River Runners (Cal)	265m 156y	Arcata, Calif.	9 Jan 71
18. Reichelo's Rabbits (Ohio)	264m 512y	Elyria, Ohio	4 Sep 71
19. Arizona All-Stars (Ariz)	263m	Tucson, Ariz.	24 Jul 71
20. Aggie Track Club (Cal)	262m 666y	Los Altos, Calif.	10 Jul 71
21. Illusion Dwellers (Ore)	260m 962y	Beaverton, Ore.	8 Aug 71
22. Sandusky H.S. (Ohio)	260m 924y	Sylvania, Ohio	14 Nov 71
23. Ten Harding Runners (Ark)	259m 1461y	Searcy, Ark.	5 Dec 70
24. White Bear H.S. (Minn)	259m 1550y	White Bear, Minn.	19 Jun 71
25. Suburban H.S. All-Stars (Pa)	259m 1161y	Folsom, Pa.	26 Jun 71
26. Road Runner Red (Cal)	259m 630y	Los Altos, Calif.	10 Jul 71
27. Titusville H.S. (Fla)	259m 331y	Titusville, Fla.	9 Dec 71
28. Senior Track Club (Cal)	259m 108y	Torrance, Cal.	7 Nov 71
29. New Canaan H.S. (Conn)	258m 842y	New Canaan, Ct.	17 Jun 71
30. Runner's World (Cal)	258m 831y	Los Altos, Calif.	20 Jun 70
31. Worthington H.S. (Ohio)	258m 482y	Worthington, O	10 Jun 71
32. Otto Club (Md)	257m 1554y	Camp Spgs, Md.	15 Aug 71
33. Calgary Runners (Can)	257m 1096y	Calgary, Alta.	5 Sep 70
34. Ft. Benning Orienteering (Ga)	257m 963y	Ft. Benning, Ga.	25 Sep 71
35. John Marshall H.S. (Wisc)	256m 433y	Milwaukee, Wis.	30 Jun 71
36. Florissant Valley T.C. (Mo)	256m 402y	Florissant, Mo.	20 Jun 71
37. Finger Lakes Runners (NY)	255m 790y	Ithaca, N.Y.	6 Sep 70
38. Pleasant Hill Club (Cal)	255m 587y	Los Altos, Calif.	10 Jul 71
39. Rough Cats (Ohio)	254m 440y	Elyria, Ohio	4 Sep 71
40. Baltimore Blister Poppers	253m 1173y	Baltimore, Md.	19 Jun 71
41. Sylvania H.S. (Ohio)	252m 1324y	Sylvania, Ohio	21 Nov 70
42. Amherst H.S. (Ohio)	251m 1197y	Amherst, Ohio	4 Sep 71
43. Harrisonburg Runners (Va)	251m 803y	Winchester, Va.	21 Aug 71
44. Garden Grove H.S. (Cal)	251m 227y	Garden Grove	7 Dec 70
45. Travis Road Runners (Cal)	250m 1714y	Los Altos, Calif.	10 Jul 71
46. Nato (Md.)	250m 1581y	Camp Spgs, Md.	15 Aug 71
47. Tulsa Running Club (Okla)	250m 1294y	Tulsa, Okla.	15 Aug 71
48. S.E. Massachusetts Univ.	248m 1200y	N. Dartmouth	3 Sep 71
49. Veterans Track Club (Cal)	248m 1063y	Los Altos, Calif.	10 Jul 71
50. Summit T.C. (Wash)	247m 1740y	Tacoma, Wash.	13 Jun 71

(\* Members of number one team: Bob Bertelsen, Dennis Bayham, Jerry Dirkes, Mike Hanley, Mark Hiefield, Jerry Jobski, Steve Kelley, Gerry Lindgren, Bill Scobey, Don Timm)

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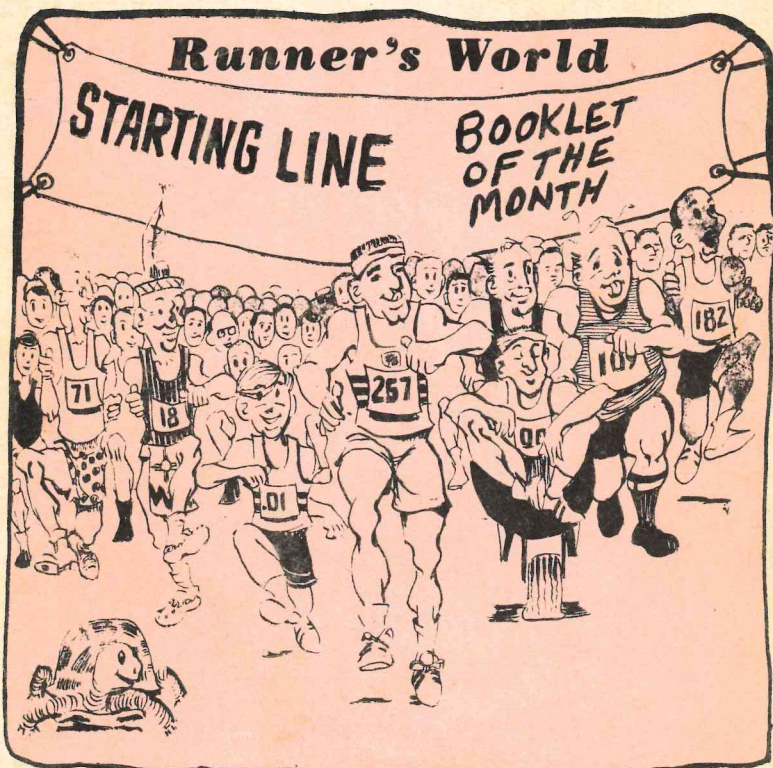
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