

**1974
MARATHON
HANDBOOK**

Runner's Monthly Booklet

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Chapter I

FEATURES



Pause that refreshes at the Paavo Nurmi race. (McNally)

WHO'S WHO IN RUNNING

By recycling a paragraph from the last *Handbook*, we can spell out again the "pyramid theory" as it applies to long distance running in the US and Canada.

"The theory is this. The wider and sturdier a program's foundation, the higher the tip will rise. Concentrate on building a foundation, and the tip will take care of itself. The three- and four-hour people are the base. The Olympians are the peak."

In 1972, it was the Olympians—three of them in the top nine at Munich. In 1973, the base was more sound than ever, and the top of the pyramid reached even higher.

- Frank Shorter won at Fukuoka for the third straight year, and had two of the year's three best times.

- The US had a winner in its own biggest race, the Boston, for only the third time in the last quarter-century. Jon Anderson was the man, and Tom Fleming ran second.

- Women's marathoning grew up enough to earn its own official AAU championship, less than four years after an AAU official had called it "just a lark." Miki Gorman improved the world record by three minutes.

- The number of longer-than-marathon races in the country almost tripled, and one of the largest events at any distance was a 50-miler—the JFK run-hike with a field of 1700. Eileen Waters took advantage of the new opportunity to set a world women's best for 50 miles. Martin Smith did the same for men, while Max White later ran even better.

The people below, the "base" of 5000 or so active long distance runners, are the supporting cast for those on top. The Shorters and Andersons and Gormans stand above the mass of us, but not apart from us. The 10 here are our representatives at the summit.

JON ANDERSON—He'd meant to run his first serious marathon earlier, but his emotions got in the way. The marathon was meant to be Anderson's event at the Olympics in 1972, if he had an event there. But his hometown crowd in Eugene charged him up so much that he made the team in the 10,000.

Jon reponds well to emotional situations. They bring his immense talent out from under his mild-mannered exterior. He was planning to give his best at the Boston marathon, the first time he really had gone all-out at this distance. But he wasn't counting on much more than maybe "sub-2:20 and possible first American."

On the last set of hills, though, Anderson passed defending champion Olavi Suomalainen to go into the lead. "As soon as I passed him," Jon said (see June 73 *RW*), "things went through my head and I started choking up. I fought back a few tears before getting back in control. I get really emotional about these things. It's weird."

He won in 2:16:03. Later in the year, after he'd finished his alternative service as a conscientious objector (he washed dishes in a California hos-



pital for two years) and moved back to Eugene, he finished fourth at Fukuoka in 2:15:52.

All along, Jon had been Oregon-oriented in his training. "I follow an easy-hard pattern. Three days a week are hard. That would be Tuesday, Thursday and Sunday—Sunday being the traditional long run."

The "easy" days are 7-8 miles with 110s at the end. Tuesdays and Thursdays, he runs intervals on the track. The long runs are 20-25 miles. Three weeks before Boston, Jon put in a 30-miler at 6½-minute pace. He had more than emotion going for him.

BRIAN ARMSTRONG—It's a supreme pleasure to be able to include Brian here. *Runner's World* carried a profile on him in March 1973. A reader wrote in to the effect, "Why do you bother to put nobodies like Brian Armstrong in the magazine? There must be plenty of good runners you can feature."

At the time, Armstrong had run two 2:18's. These had come after he'd licked some stubborn injuries and apparently had qualified for the Canadian Olympic team, only to be left home. (The Canadians decided to take no marathoners to Munich.)

Brian said in *RW*, "My basic goal in training is to minimize injuries so as to be able to train consistently and at least to make it to the starting line of the races I want to run. Almost every year I have developed nagging and tenacious, although not awfully serious, injuries... I feel that my basic problem has been trying to get too much mileage. And for me the breaking point has been rather low."

He kept the mileage relatively low during 1973, and had an injury-free year. He ran three major marathons, each slower than the one before, and didn't win any of them. But the times were 2:13:30 (third at the Maxol marathon in England), 2:13:39 (second in the national championship), and 2:13:43 (second at Fukuoka). A good case could be made for ranking Brian second in the world behind Frank Shorter.

TED CORBITT—Ted has an enduring quality about him that makes him the object of admiration and envy among distance runners. He is 53 years old. Since 1951, he has finished some 170 marathons and longer races. After that, it would seem he'd have a hard time finding new peaks to climb or reclaiming old ones.

Yet in 1973, Corbitt squeezed a bit more from his endurance supply to establish an American record for 24 hours. He flew to England to run around the track all day—134 miles 1220 yards worth.

He ran more marathons during 1973, too, and the best one of 2:45:29 was the fastest for the year for men over 50. Ted offered a glimpse into his running philosophy in the July 1973 *RW* when he wrote, "Since a relatively few runners can win all of the races, one's best times—not medals and trophies—are the main measure of achievement. Beyond this, a breakthrough

LEFT: Brian Armstrong, the Canadian who ran three 2:13 marathons during 1973. (Stan Pantovic photo)

can be a source of joy and personal satisfaction. It also demonstrates to the runner's amazed comrades that it is indeed possible to improve, and that there is still hope for them."

TOM FLEMING—Tom idolizes the great runners of the world. He thinks so much of them, he doesn't try to hide the fact that he wants to be one of them.

He's tough-minded. Hanging in his bedroom along with pictures and prizes is a sign that reads, "Somewhere in the world, there is someone training when you're not. When you race him, he'll win."

Not many of those runners were beating Fleming in 1973. In the winter, he raced an international field in Puerto Rico and lost only to Colombian Victor Mora and Finn Tapio Kantanen. He beat, among others, Lasse Viren.

Still, Tom complained to Hugh Sweeny before the Boston marathon, "A lot of people still don't know who Tom Fleming is. After I run at Boston, they all will know."

Jon Anderson beat Tom to the finish there, but second place contributed a great deal to Fleming's growing stature as a runner. He added more with his 15-mile and 25-kilometer American records in the summer.

A "national reputation" means a lot to Tom, according to Sweeny. "That, I think, is where his motivation comes from now. He wants to be one of the stud road runners everybody knows of and respects. I think he wants to reach the stage where he doesn't need the medals and pictures to remind himself how good he is."

MIKI GORMAN—Her names—a nickname and a married one—hide her background. She was born Michiko Suwa 38 years ago. Her parents are Japanese. She was reared in a hard environment, and May 1971 told an *RW* reporter, "My mother would deliberately put foods I didn't like in my lunch bag to teach discipline." Miki walked 1½ hours to and from school and in the process learned to "like to do hard things."

In 1970, she ran 100 miles around an indoor track in 21 hours. But she had never done any standard marathoning of note until December 1973. Miki was pacing along behind her training partner Jacki Hansen ('73 Boston women's winner) at Culver City. They went through five miles in 31 minutes, 10 in 1:02, 15 in 1:34. A muscle injury then forced Jacki out. Miki continued. She finished in 2:46:36—three minutes faster than a woman had raced before.

Gorman, who is 5½" tall and weighs 87 pounds, had trained for the race with two coaches: Lu Dosti for distance (20 miles a day) and Laszlo Tabori for speed (intervals twice a week).

Her aim now is to return to the land of her ancestors, Japan, to "integrate" the famed Fukuoka race. No woman, Japanese or otherwise, has ever run it.

MITCH KINGERY—Kingery seems to have come at running the wrong way around. Typically, runners start short—on the track or in cross-country in school—and then go longer as they mature. Mitch, however, has been running marathons for years. He ran cross-country as a freshman in high school, but passed up track to train for the Olympic Trials in the marathon. He was a 2:29 runner at the time, and just 15 years old.

Only after that did he start running track with any regularity. As a sophomore, he ran a 9:09 two-mile and 14:12 for three. In the fall of his junior year, during cross-country season, he improved to nine-flat and 13:56.

But in between, Mitch showed what Frank Shorter, Kenny Moore, Jack Bachelier and Jon Anderson already have pointed out on a higher level: that the short distances and the long ones complement each other. A runner needs marathoner's endurance for the track and trackman's speed for the roads.

In February 1973, Kingery ran the marathon in 2:23:47—almost six minutes faster than any other US “junior” did during the year. And he was still only 16.

LILI LEDBETTER—There's one last time, ending at about age 12, when a young girl and a young boy are still on almost equal terms. Hormones still haven't put a great physical gulf between them, and a girl can still run about as well as a boy.

Lili Ledbetter is a case in point. In 1973, she ran a marathon in 3:03. Only one boy her age, 12, has ever gone faster than that. He went only four minutes faster.

Lili still runs with the junior high boys team at her school in Eugene, Ore., and is faster than most of the young boys in town. This will change, of course, in a year or two. But for now the 4'8", 68-pound girl is their equal.

She loves to run. “If I don't run,” she says, “then the day feels like there's something missing from it. If I don't run, I feel guilty. I feel really bad when I see other people running and I'm not. Even if I didn't have competition, I'd run.”

Before her October marathon of 3:30, she ran to the tune of 70-plus miles a week, often twice a day, at 7-8 minute pace.

“Sometimes people ask me why I run,” she says, “and that kind of bothers me. You don't ask football players why they play football...”

DOUG SCHMENK—Schmenk is a go-for-broke kind of runner, willing to go high mileages for what he wants from the sport. Often, the gamble has gone against him.

It happened before the Olympic Trials, he told Garrett Tomczak (*RW* Interview, Oct. 73). “Prior to the Trials, I had built my mileage to over 200 miles a week. I felt good and was running well. That is, until I got a stress fracture in the metatarsal area of my foot.”

But Doug went back up to that level in 1973. This time, he stayed healthy and won the AAU marathon championship in 2:15:48. He said afterwards of his mileage:

“I don't believe that it's something you should do for long periods of time. Two hundred miles a week takes at least three hours a day of pure running. It takes so much time that when I'm doing it I almost can't stand myself.”

There's no doubt in his own mind, though, that this kind of running has made him what he is. “I'm pretty much convinced,” says Doug, who is 5'3" tall, weighs 110 pounds and has a best mile of 4:16, “that I don't have any more talent than anyone else. I think that my success is due mostly to the fact that I train consistently. I haven't missed a workout in over a year.”

FRANK SHORTER—So dominant is Frank Shorter in the marathon—which he doesn't even consider to be his primary event—that he can get hurt in the spring, miss a season of racing, yet come back at the end of the year to win the world's feature event.

The Olympic champion was much in demand after Munich—perhaps too much. After the Games, he ran 2:10 and 2:12 marathons in Japan in the next six months. After the second one, he raced in Finland. He dropped out with a foot injury, a stress fracture.

Frank missed six weeks of training and the entire outdoor track season. Most of his training was by himself, and he raced only in local events when he came back. His condition was questionable when he ran the AAU cross-country race in Gainesville, a week before the Fukuoka marathon.

Was the cross-country race his test? "No," said Shorter. "I consider myself a 10,000-meter runner who runs an occasional marathon. I don't really train for marathons. I'm getting ready for today."

He won that day, and the following Sunday won the Fukuoka marathon for the third time in 2:11:45.

MAX WHITE—The AAU added the 50-kilometer run to its program in 1973. Fifty kilos, as every race walker knows, is 31-plus miles. It's almost precisely five miles longer than a marathon, and a natural next step up from it.

Max White had a good chance to win it, he thought. And the winner would get a trip to the London-to-Brighton 52 ½-miler. But four days before the 50K, Max came down with the flu. He'd trained 160 miles a week throughout the summer (at 6:30-7:00 pace, with no speed work but many short races), only to end up like this.

Still somewhat weak, he was able to race and win, however. And four weeks later, White had the finest 50-mile ever run by an American. He finished fourth in 5:26:26 at London-to-Brighton. That was a little faster than the US track mark Martin Smith had set earlier in the year—and at a distance 2½ miles longer. Converted, it would be about 5:10.

How conceivable is a five-hour 50? Max said in the November 1973 *RW*, "Even for me, I definitely feel a five-hour 50-mile is within reach. But there are a number of fast marathoners who put in more mileage than I do. Such US runners as Frank Shorter, Tom Fleming and Doug Schmenk might readily burn a 50-miler if inspired to compete at that distance."

The point is, Max White was inspired and has competed, and for now is the leader in a comparatively new field.

BACK IN BOSTON'S PAST

BY JERRY NASON

Having had this obsession entitled "marathon" since approximately the age of five, in the Woodrow Wilson administration, you will have to forgive me for breaking the peace in this orderly, well-mannered metatarsus seed-catalog.

The obsession can be traced to the fact of birth and upbringing, and escapades and errors of youth, on the Newton hills of the Boston race course. My pique is inspired by the young guys today who'd give you the impression that the marathon had been a nothing, just sitting there waiting for them to discover it recently... "Look, ma—I'm running."

My reply to that is an unqualified, unsophisticated one: "Nuts!" It is likewise a rather remarkable misstatement of fact that 10 years ago there were only 50 people running marathons. Even a C-minus staded curbstone cirtic in eastern Massachusetts is aware that 254 runners started in the Boston race of '28 and that the New England AAU alone had more than 100 registered road runners at that time, and before.

This is the sort of putdown of the past that I mean. The proprietary interest of today's young guys in the sport of distance running is good, up to a point. But you can't just stand there with your hands in your pockets when they put the knock on the old boys, the "pioneers," which they often do—or ridicule their winning times which, by today's standards, were slow.

They simply peruse the old records and take it from there. They say, "Hah—a 2:30 marathon. What was keeping the guy?" They should be genuflecting a little to the pioneers—and would, if they'd researched some of those bygone races as I have.

Case in point: A vexsome mix of curiosity and doubt once prodded me into investigating the performance of Tom Longboat, the famous Onondaga Indian distance runner of six decades ago. At age 19, in his first marathon, Tom had broken the Boston record. Preparing for it, the Indian had logged merely 60 training miles a week for a period of two months, when the Canadian storms of that severe winter permitted.

Clarence H. De Mar, a learned, bookish man who later captured seven Bostons, was never shaken from his conviction: "The Indian, Longboat, would have run the Boston course (then 25 miles) in 2:08 under today's race conditions."

Those early Boston races were run for the first 20 miles over the typical rutted, rocky, dusty (or muddy) rural roads of April in New England. No sleek macadam showed itself until the city limits were reached—like an oasis, in all probability.

Stone bruises, the pea-sized pebble announcing itself within the upper in Doomsday tones, massive blisters—these were the dreaded racing risks of the pioneers. To combat these hazards, the runners deliberately were shod "heavy"—heavy uppers, thick durable soles. (Some cobbled their own foot gear.) The course also swarmed with darting bicycle "attendants," plus the inevitable entourage of wheeling Yankee schoolboys on holiday. One Boston winner had been actually knocked down by a bicycle only a dozen tired strides from the tape.

That Longboat could average 5:36 per mile in the Boston race of 1907, under these conditions, appeals to me as an extraordinary feat—especially in the light of Ken Moore's anxiety and concern prior to the Munich Olympic race because a fragment of that contest, in the area of English Gardens, was to be run over gravel.

Ken, and Frank Shorter, have no admirers more ardent than I. They have emphasized the American marathon potential. But I have some reservations as to their prospects were they to race the first 20 miles of Boston shod in the "slim thins" of today, on the implausibly bad road conditions faced by Longboat and the other pioneers.

Boston, being the "elder statesman" of our marathons, it more often than not the vehicle for comparison via the agency of "past times." Few, however, weigh in balance the prevailing condition that Boston winners from 1921 through 1947 ran surrounded by a convoy of fumes-spewing cars. Runners sucked gas fumes into their lungs for 26 miles. Spectators saw only glimpses of the marvelous Kyriakides-Kelley duel, and those glimpses through a blue haze. It was this preposterous respiratory torture in 1946 that led to a severe limitation of vehicles on the course. Race times quickly accelerated.

They were a tough breed of cat back there. They brought the marathon to this continent and kept it alive, and should be respected for it. They were, mostly laborers and blue-collar people working a 68-hour week, limited in their training hours and thin in the purse. Very thin.

Another case in point: at Munich in 1972, I asked Frank Shorter if he had considered running the Boston, a race eight Olympic champions have in the past attempted and failed to win.

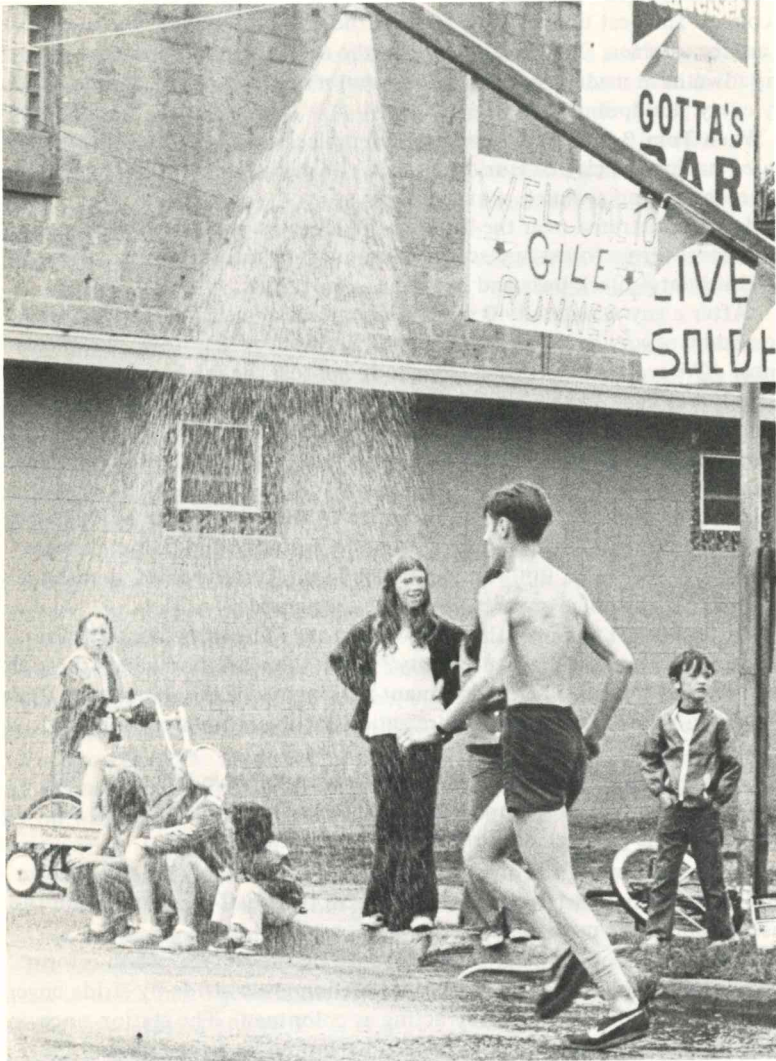
"Yes," replied Frank, "but I won't 'hitchhike' up there to run in it!"—the inference being, one supposed, the the non-expense policy of the Boston AA would have to be altered were Frank to be involved.

This is beside the point, which is that many of those old pioneers actually did hitchhike to Boston to compete. It is no fable that Bill Kennedy, the 1917 winner, rode the rods of a New York Central freight car to the site, bedding down on a South End poolhall table the night before his race. Sid Hatch, a formidable candidate in the early years, rode the rods from Chicago to Boston. No runner of marathons possible ever traveled lighter to the scene of his victory than Frank Zuna in '21. Zuna thumbed from Newark, N.J., wearing his racing suit as underwear and carrying a running shoe in each jacket pocket.

What I ask is not so much a show of reverence as of respect for these old heroes of a bygone day. They casually accepted and overcame racing hazards that would incite today's "easy riders" to rebellion. These old boys, the pioneers, may not have run marathons as fast as they are being run today... but when you study their performances against the backdrop of primitive race conditions, racing gear, and the economy of their day, they come on tough.

PAAVO NURMI MARATHON

BY JAY MC NALLY



One of the many Paavo Nurmi bonuses. (Jay McNally)

"I'll tell you what has happened here because of the marathon," Vic Godfrey explained on the eve of the Paavo Nurmi marathon last August. "We've got 14 runners from this area entered, and one of them has a 2:28 best."

Godfrey spoke of Hurley, Wisc., and the unique breed of people that

inhabit the once iron-rich "range," the unlikely site for a successful marathon.

Godfrey, cross-country coach at the University of Wisconsin-Parkside, is also on the staff of Olympia Sport Village, the camp just outside of Hurley. From this camp, the marathon sprang in 1969.

What makes the marathon worthy of notice is not the results on the hilly course—the best time is 2:22:59—but the severe handicaps the race faces and overcomes. The 2400 people in the economically depressed former mining town have made it one of the best run marathons in the country, from nearly every standpoint.

When Tom Rosandich, owner of Olympia and a longtime track coach, proposed having the city of Hurley sponsor the marathon, he had the people in the town in mind as much as the runners.

He was frustrated over the ill-fated "Wilderness marathon" that wound through dense virgin forest and subjected runners to meetings with unfriendly local inhabitants—black bear and beaver, among others.

"After a guy wandered 40 miles off course and we finally found him in the middle of nowhere, we decided that was not the way to go," Godfrey explains. "We realized next time somebody got lost, he might be lost for good."

So it was back to the Finnish sauna, where Rosandich says much of the thinking gets done at Olympia. Rosandich came up with the idea of running the marathon from Olympia to Hurley, with the finish on Silver Street, Hurley's major thoroughfare.

The idea caught fire with Hurley officials, and with the help of the first full-paged marathon ad in *Runner's World* five years ago the first race drew 75 runners. A year later, 200 runners showed up. And the third year the race leveled off at 400 entrants, where it has remained.

But that is not the marathon's success story. The story lies with the 6000 persons who make up Iron County, where the marathon winds through seven of its tiny towns. The predominant nationality of the population there is Finnish, and they have a deep appreciation for the mother country and their heritage.

"We were thinking of the people in the area," Rosandich says. "We had the marathon idea in a Finnish sauna, the people are Finnish and we named it after the greatest Finn runner, Paavo Nurmi."

The level of marathon awareness in Hurley is probably greater than in any other marathon town in the nation, due to the small population and the intense coverage the media gives the race.

Daily articles in the local paper a month before the marathon inform the people of the race, and the local radio station gives stride-by-stride coverage of the marathon, with Godfrey acting as color man. The station once got an interview of the eventual winner as he approached the city and the finish line, perhaps a first in sports reporting.

"I think the big feature of the marathon," says Gary Wieneke, program director at Olympia and Olympia's major planner for the race in 1973, is the attitude of the people and the host families."

The host families numbered over 100 last year, and they put up at least half of the marathon field in their homes for the marathon weekend, according to Rosandich.

Host families usually throw in meals and entertainment as part of the

free package for the runners, and they are delighted to be part of the mammoth affair Rosandich says is the biggest happening of the year in Hurley.

Elizabeth Weis and her family have welcomed about a dozen runners into their home for the race over the years. "We really enjoy it," she says, and we learn a lot from the runners."

Some of the marathoners have made it to all five races and have stayed with the same family each time. Others not they exchange letters with their "family" all year, and manage to visit at other times during the year.

But this has not come about without meticulous planning by scores of people the Chamber of Commerce has rounded up to lend a hand. Judy Krankala, who handled enormous organizational duties for the race last year, explains the planning that goes into the marathon:

"We have 30 committees, each with its own chairman and members. *Everything* for the race is covered by a chairman," she says, "such as the finish line, start, timers publicity, Gatorade, and so on."

The committee chairman, including "city chairman" for each city the race runs through, begin weekly race-planning meetings in February. By race weekend, everything is scheduled with almost space-program precision and is ready to go.

In 1973, there were festivities in downtown Hurley Thursday and Friday night, including an impressive torch-lighting ceremony in preparation for the Saturday morning race.

Hurley high school football players and cheerleaders man aid stations along the course. In addition to these and the 125 adult volunteers, there are workers who receive pay in cooperation with a program to provide work for underprivileged youth.

Race officials even manage to get the army involved. A nearby base provides men to direct runners on the course, and an army fire truck was on hand to spray finishers with water from fine mist nozzle if they desire.

The growth of the marathon appears threatened, however. Hurley is located in northern Wisconsin 25 miles from Lake Superior. The area relies heavily on winter sports and tourism for revenue which are in jeopardy with the energy crisis stifling travel.

Race officials feel the threat of insufficient gas may have kept a substantial number of participants from last year's race, but the field of 379 still ranked as the biggest for a marathon between the east and west coasts.

The race even out-drew the early summer Glass City marathon, a well-run affair in much more geographically convenient Toledo, Ohio, and way among the five largest nationally.

Despite the fuel shortage, Hurleyites and Paavo Nurmi veterans are confident the race will continue to prosper. They point to the scenic course, which winds through wild territory much of the way, the rural wide-open areas near towns.

"This race is more like a vacation," one runner commented at the finish last year. "You come up here to get away from it all in the middle of nowhere, and would have a great time even if there weren't a marathon."

A HIKE THAT GREW UP

BY BRUCE BURNSIDE

Teddy Roosevelt had the idea in 1908... John Kennedy revived it in 1962... The Cumberland Valley Athletic Club wouldn't forget it. And for years a small group of runners kept the JFK 50-mile hike/run alive, from Bonsboro to Hagerstown, Md., alive until unexpectedly in 1969 it began the phenomenal growth that has continued to the present. In 10 years, it went from 11 participants to more than 1700.

The rapid growth of distance running had something to do with this growth, but it isn't the whole story. Tall, soft-spoken William J. (Buzz) Sawyer of Hagerstown, who organized the Cumberland Valley A.C. in 1960, explains it this way:

"Mainly it's the appeal of a unique course with a tremendous variety of scenery. You have paved roads at the beginning and end, the Appalachian Trail and the canal towpath. The main thing is you're completely away from crowds and automobiles for most of 39 miles. It's not like most marathons—running through streets or along highways. It's just you on the mountain or your beside the river, or as Teddy Roosevelt put it, 'The only others are the people in the arena with you'—for miles and miles. I think there are few events where this is duplicated, where you're so isolated from the modern world for so long a time."

Sawyer was eventually forced to give up competing when the mounting pressure of paperwork left insufficient time for training. His final fling came in 1970 when he set a course record for age 40 and over.

Each year since 1968 the number of finishers has about doubled: 17...40...74...150...307...673. The event has become very competitive.

Paul Freer, a longtime official at the event, says, "Originally the emphasis was on hiking and the only objective was to finish the course. Three- and four-way ties were common for the leaders. When the race got bigger, it got more and more competitive, but that was not the original intention."

In 1963, Buzz Sawyer placed a notice in the *Hagerstown Morning Herald* that the Cumberland Valley A.C. would do a 50-mile hike on March 30. It was informally arranged. Buzz thought this would be a change for his CVAC boys and he had picked out a route two weeks before. All of them were runners who had never before tried such a long hike. At 6 a.m., 11 of them started slowly up South Mountain, travelling as light as possible. They carried only canteens, and bought food and soft drinks at several stores along the way. After 13 hours 10 minutes, Sawyer and three others reached the finish line in darkness, hiking most of the distance and running only a short part.

Sawyer assumed it would be only a one-shot event. But the next year the CVAC boys wanted to do it again and seven of 16 finished, the three co-leaders posting a time of 12:33. For the next several years near the end of March, the group would set out over the horseshoe-shaped course after first leaving a few cars at the finish line which was actually only nine miles away. Each year the winning time crept downward.



With barely a trail to follow, runners descend a thousand feet in a mile and a half.
(Dave Harp)

Sawyer recalls, "It used to be simple. Write the names on a pad, fire the gun and away we'd go." By 1966, the word had spread over the mountain to the next county and the *Frederick News* began to write about the enthusiastic few who liked to hike, run, limp and ache their way for so many miles. In 1968, the race was recognized for the first time by the *Baltimore Sun*.

The real breakthrough came in 1969 when, without any advance warning, four times as many starters showed up as the year before. Sawyer believes the spurt stemmed from the writings of Bill Bowerman and Dr. Kenneth Cooper. He says, "The jogging craze had been building up for about a year. Many people now had better conditioning and increased confidence, and they wondered if they could meet the challenge of our mountain trail."

The Appalachian Trail is great for hikers, but it was never designed with runners in mind. Tony Saitta of the *Hagerstown Morning Herald* described it as 13 miles of "terrain like a roller coaster—a narrow path with boulders, hard stones and razor-sharp rocks. In gullies of different depths we climbed up one way and down another."

A runner's account in a company newspaper put it this way: "An obstacle course built by nature, with fallen trees, mud and rocks to make the trail hazardous. Weverton Cliffs are unbelievable. I was hanging on to trees and bushes and descending a step at the time."

When you get to the canal towpath, you've really earned that flat path for the next 26 miles.

More race officials were needed as the race grew in size, and formal checkpoints were established at trail intersections. Friends of Buzz Sawyer and co-organizer Guy Whidden have helped year after year. Many volunteers

have also come recently from the Mack Truck Company, where Buzz has worked since 1962. Sawyer says, "The JFK 50 has gotten to be almost a part of the company."

Each year many checkpoint volunteers get caught up in the excitement of the race and become competitors instead of race officials the following year. There are also many loyal runners and hikers who return to compete year after year. And one enthusiastic hiker even persuaded his only daughter to change her wedding day to avoid a conflict with race day—after his wife had already signed a contract for the reception hall!

Not everyone comes well-prepared. A Wheaton high school student accidentally brought his bowling shoes, ran 35 miles anyhow, and developed eight of the most outstanding blisters ever seen in the state of Maryland. And a runner from Delaware who made it over the mountains exclaimed in amazement as he reached the towpath, "Hey, these people are serious about this! The longest hike I've had lately was when I ran out of gas at 3:00 a.m."

Although many hikers are attracted to the race because of its sheer size, only experienced distance runners can conquer such a mountainous course in less than nine hours. In the last three years the number of these has successively gone from nine to 17 to 47. The 1972 and 1973 winners, Park Barner and Max White, each went on to England six months later to become the top American finisher in the 52½-mile London to Brighton race.

Sawyer talks of the problems of expansion: "Definitely there'll come a time when we have to limit the field. We were bordering on that last year because of traffic problems on the small county roads and the limitations of the narrow Appalachian Trail."

One of the officials, Bill Draper, adds, "Let's face it. What are you going to do a couple of years from now with 10,000 people in Boonsboro?"

For one thing, more emphasis will be put on completing the course, but Sawyer does not want to limit entries strictly on a time basis. Instead, the entry date would be set much earlier with no more applications accepted after a certain number is reached. He states, "Of course, I would always let the well-trained runner in—one with first-class credentials. This would not swell the field by more than a hundred, anyway, and we handled 1700 last time."

PACING THE MARATHON

BY PAUL SLOVIC

Proper pacing in the marathon can make the difference between achieving one's goals and disaster. Yet in this scientific age, the approach to pacing remains at a prescientific level. The runner looking for guidance in pacing must rely on intuition and past experience. Unless his experience is considerable and unless he has remarkably good knowledge of his present condition, he will likely start out too fast or too slow for optimal performance.

We know that an even pace is the economical way to run and there are charts available telling us what even pace to run to achieve a particular finishing time. For example, a three-hour marathon requires just under a 6:52 pace per mile which, the charts indicate, will bring the runner to the 10-mile mark in 68:40, the 15-mile mark in 1:43, etc.

But what the runner really wants to know is, "What is the fastest even pace I can hold for the entire distance?" or "Allowing for some slowdown during the latter stages of the run, how fast should I start out in order to finish in three hours?" I provide no definitive answers to these questions, but can describe some first attempts to take a systematic look at pacing in the marathon.

Two types of data were obtained from the 1973 Trail's End marathon. First was a complete listing of the runner's times at 10, 15 and 20 miles as well as their final times. Second was the responses of runners to a questionnaire concerning personal background and training practices in the two months prior to the run.

Some of the relationships between answers on the questionnaire and performance are described in the Oct. 73 *Runner's World*.

Thirty-one runners finished between 2:55 and 3:05 minutes, with an average of about three hours. These runners did not hold a steady 6:52 pace throughout the run. Their average time at 10 miles was 64:48, at 15 miles 1:38, and at 20 miles was 2:11. All of these times are faster than 6:52 pace. But these individuals took an average of 49 minutes to go the last 6.2 miles.

Table 1 shows the intermediate times for nine categories of runners at Seaside. Runners in each category finished within five minutes of a specific time. It illustrates that the slowdown in the latter stages of the race exhibited by the three-hour and slower finishers is almost universal, and is particularly great in the last 6.2 miles. The runners are surprisingly close together after 10 miles. It is wide differences in slowdown during the later miles that spread them so far apart at the finish. The faster the final time, the closer the runner was to even pace. Runners who finished in excess of four hours had typically slowed by 4-5 minutes per mile.

A measure of "slowdown" is calculated by subtracting each runner's average pace per mile (in seconds) during the first 10 miles from his average pace during the final 6:22 miles. Table 2 presents some basic descriptive statistics for the slowdown measure for 176 respondents to the survey questionnaire. Included in the table are the maximum and minimum values in the group, the average values, the median, and the 25th and 75th percentile

TABLE 1: INTERMEDIATE TIMES AND AVERAGE PACE

Within Five Minutes of	Number of Runners	10 Miles (ave. mile)	15 Miles (ave. mile)	20 Miles (ave. mile)	Final (ave. mile)
2:30	16	55:32 (5:34)	1:24:12 (5:30)	1:52:36 (5:41)	2:29:36 (5:57)
2:45	22	1:00:30 (6:03)	1:31:36 (6:13)	2:02:42 (6:13)	2:45:36 (6:54)
3:00	31	1:04:48 (6:29)	1:38:06 (6:40)	2:11:12 (6:37)	2:58:54 (7:40)
3:15	28	1:08:35 (6:52)	1:44:36 (7:11)	2:20:42 (7:13)	3:14:42 (8:42)
3:30	37	1:14:12 (7:25)	1:52:36 (7:41)	2:32:18 (7:56)	3:30:06 (9:18)
3:45	28	1:16:54 (7:41)	1:57:06 (8:02)	2:40:18 (8:38)	3:36:12 (10:35)
4:00	30	1:17:48 (7:47)	1:59:54 (8:25)	2:47:54 (9:36)	3:59:42 (11:31)
4:15	19	1:18:12 (7:49)	2:00:30 (8:28)	2:52:18 (10:22)	4:15:06 (13:18)
4:30	11	1:20:36 (8:04)	2:06:54 (9:16)	3:04:24 (10:30)	4:30:00 (13:47)

values (denoted P-25 and P-75). The median is the score above and below which half the values are located. The 25th percentile is a value that exceeds 25% of the cases and P-75 exceeds 75% of the cases.

TABLE 2: DESCRIPTIVE STATISTICS FOR SLOWDOWN (SECOND PER MILE)

Minimum	-36	Mean	138
P-25	42	P-75	320
Median	108	Maximum	653

The average slowdown is 138 seconds per mile between early and late pace. More than 25% of the runners slowed by at least five minutes per mile. Only seven out of 176 respondents ran the last six miles at a pace faster than they ran the first 10 miles.

What factors in a runner's background, training and early pacing are associated with the amount that his pace slows during the race? In an attempt to answer this, two dozen items of information obtained from the survey questionnaire were examined for their relationship to slowdown.

It was expected that the faster a runner went during the first 10 miles, relative to his maximum, the greater would be his slowdown during the latter stages. To test this hypothesis, an index of "relative pace" was calculated by dividing the runner's fastest reported mile time during the past year (in seconds) by his pace in seconds during the first 10 miles of the marathon. The closer the runner's 10-mile pace was to his fastest mile time, the higher the index of relative pace and the greater the expected slowdown.

The results, surprisingly, showed the opposite. As Table 3 illustrates, the faster runners in the marathon (those with the least slowdown) had the *highest* relative pace. The slower runners deteriorated more during the late miles, despite the fact that during the earlier stages they ran relatively slower

TABLE 3: AVERAGE RELATIVE PACE BY TIME CATEGORY
(Average mile in first 10 of marathon compared with fastest single mile in past year)

	2:20-	2:46-	3:01-	3:16-	3:31-	3:46-	4:01-	4:31-
	2:45	3:00	3:15	3:30	3:45	4:00	4:30	Up
Relative pace	.82	.78	.73	.74	.73	.77	.71	.66

compared to their capabilities.

A statistical technique known as multiple-regression analysis was used to generate equations to predict slowdown on the basis of background and training information obtained from the questionnaire. As one might expect, higher training mileages, greater number of long continuous training runs (over 20 miles), leanness, and previous marathon experience, along with faster miles times in the past year, were all associated with less slowdown in the marathon. These same variables were found to predict final time in the run (see *Runner's World*, Oct. 1973).

The equations showed that every second improvement in a runner's fastest recent mile time predicted an average decrease in slowdown of 0.9-second. Thus, if Runner A had a fastest mile that was one minute better than Runner B's, A would be expected to slow down by 54 seconds less per mile.

Likewise, every mile run in the longest continuous training run reduced predicted slowdown by about six seconds. Every training run in excess of 20 miles reduced slowdown by 12 seconds. Having successfully completed a previous marathon predicted a reduction in slowdown of about 48 seconds. Each mile run during the week of maximum mileage was worth a 1.26-second reduction in slowdown. And an increase of 1.0 units in the "ponderal index" was associated with a 70-second reduction in slowdown. (Ponderal index is calculated by dividing height in inches by cube root of weight in pounds.)

Of particular interest is the fact that frequency and length of long (over 20-mile) training runs were associated with less slowdown. This was not simply because long runs produce greater total mileage. The regression analysis showed that the effect of long runs was independent of total mileage. Given two runners with the same total training mileage, the one with more long runs would be expected to show less reduction in speed later in the marathon.

The fact that having completed a marathon was associated with a 48-second reduction in slowdown is also of special interest. This effect, too, is independent of total mileage run or other aspects of training. It may be that runners who have previously completed a marathon are motivated to improve their times rather than simply finish the race. Or perhaps experience gives them confidence that the escalating discomfort can be endured.

It should be emphasized that these results are preliminary. Generalizations should be made with caution for several reasons. First, the findings may be specific to the particular sample of respondents to the questionnaire, who tended to be older and faster than the non-respondents. In addition, the results may be somewhat specific to the particular marathon course, and the weather on the day of the race and during the preceding weeks of training. Certainly this type of study needs to be repeated with other groups of marathon runners.

Perhaps the most important result of this study is that it demonstrates the feasibility of studying the relationships between training and performance in the marathon in a precise, quantitative way. A scientific approach to training and pacing will never eliminate the excitement and uncertainty inherent in distance running. It may, however, help each individual train and run more efficiently and, as a result, maximize his enjoyment of the sport.

GOING OVER "THE WALL"

BY KEN YOUNG

What is the "collapse point?" In simple terms, it is the maximum distance a runner can expect to go before the urge to slow down overwhelms him. More commonly, the collapse point is called "the wall" (which one runs into) or "the bear" (which jumps on one's back). Ted Corbitt calls it the "quitting" point. The collapse point is characterized by a sudden decrease in performance, often occurring within a single mile. Pace may drop by two to three minutes per mile or more.

The collapse point should not be confused with a "fatigue" point, which is considerably more gradual and the performance drop is usually less than one minute per mile. The fatigue point occurs as a result of a progressive imbalance i.e., salt loss or lactic acid/waste product buildup. "Collapse" occurs as a result of the exhaustion of glycogen stores available for muscular exercise.

What causes this collapse? In terms that I understand, the energy utilized in running comes largely from the oxidation of glucose (glycogen), which produces ATP (adenosine triphosphate), which in turn functions to produce muscular contraction. The exhaustion of glycogen stores available for muscular exercise cuts off this source of energy and results in a rapid drop in energy output or performance.

What determines glycogen storage and what determines the collapse distance? I'm not a physiologist so the ideas I present are merely hypotheses, based on my rudimentary understanding of running physiology and on observations of my own running. Glycogen is stored both in the liver and also in muscle tissue. It appears that the glycogen stored in muscle tissue is that pertinent to muscular exercise. Studies have shown that the level of glycogen stores in muscle tissue can vary over a fairly wide range in accordance with training and diet. Low-carbohydrate diet and/or heavy mileage loads in training produce low levels of glycogen. Light training and high-carbohydrate diet can produce relatively high levels of muscle glycogen.

Utilizing proper training and diet, one can saturate the available sites with glycogen. Then, in a race, one can convert this stored glycogen to energy.

What happens beyond the collapse point? When stored glycogen is no longer available for oxidation and production of ATP, the body converts fats (and eventually proteins) to glucose. However, this is a relatively slow process. Thus, the sudden drop in performance level is associated with a shift from direct conversion of stored glycogen to a two-step conversion of fat to glucose and glucose to ATP. In this process, the rate-controlling step is the conversion of fat to glucose. Beyond the collapse point, this conversion limits performance levels to probably not faster than 10-12 minutes per mile.

The metabolism of fats at rates commensurate with running produces acetone as a by-product. This acetone can be detected on the breath about 5-10 minutes following extended exercise under conditions of low glycogen storage. "Acetone breath" is a useful indicator as a clue to poor performance or in conjunction with proper carbohydrate loading.

I've found acetone breath occurs regularly as a result of heavy mileage over a 3-5-day period followed by a hard run of 10-15 miles. After the hard

run, I frequently note the odor of acetone which indicates my glycogen stores are very low. If glycogen storage is purposely low, e.g., in preparation for carbohydrate loading, I try to maintain this low level until two days before the race and then load with carbohydrate. Otherwise, it is an indicator that a high carbohydrate meal is needed to maintain training performance.

So much for theory. As runners, the pertinent questions are (1) How can I determine my collapse point; (2) How can I extend my collapse point, and (3) What can I do to optimize performance beyond my collapse point?

The collapse point appears to be determined almost entirely by training mileage. The simple rule of thumb is to take the maximum mileage for two consecutive months, determine the daily average over these two months and triple it. For example, for November and December 1971, I ran 450 and 470 miles respectively. The daily average is 15 miles. Tripling this gives a collapse point of 45 miles. I was able to test this in a 100-mile race and found that I indeed collapsed at 45 miles.

In order to extend one's collapse point, then, it is clear that the total mileage must be increased over a time span of two or more months. But for some races, such as the 100-mile, it is virtually impossible to run enough mileage to increase the collapse point beyond the distance to be run. This would mean averaging 33.3 miles per day of 233 miles per week over a period of at least two months. Few people have the time, energy or physical stamina to endure such a volume of training. For such races, then, the object is to increase the collapse distance as much as is feasible according to one's circumstances.

For short races, such as those shorter than 10 miles, minimum mileage based on the collapse point is of little value since virtually everyone who races has a collapse point well beyond this distance. Hence, race performance is determined by the type of training and the basic capabilities of the runner rather than his ability to store glycogen.

In races between 10 and 50 miles, extension of the collapse point beyond the race distance is directly related to race performance. For example, racing a marathon six minutes per mile through 20 miles and then hitting the collapse point, dropping an eight-minute pace, puts you barely under 2:50. By comparison the runner whose collapse point is well beyond 26 miles runs six-minute miles for the entire distance, finishing in 2:37.

In training for these types of races, one would like to have a safety factor, and a margin of five miles in the collapse distance should be adequate—*provided* the runner maintains sensible pacing (considering terrain and weather) and employs carbohydrate-loading prior to the race so as to fully utilize the glycogen storage capacity which has been developed through training. Thus, a marathoner should average 10+ miles per day, giving a collapse point of 30-32 miles. To run a good 50-miler, a daily average of 18 miles is suggested. For a 30-kilometer race, one need average only eight miles per day.

The collapse point can be extended markedly through proper training.

Beyond the collapse point, the runner is limited by two factors, namely (1) the rate at which energy can be supplied and (2) electrolyte imbalance/waste product buildup in the muscle tissues. Optimal performance beyond the collapse point, then, is related to increasing the available energy and minimizing the effects of electrolyte imbalance and waste product buildup.

With proper training, it may be possible to increase the efficiency with

which fats are broken down and converted to glucose. This has not been demonstrated, although it would seem likely that the efficiency of this system might be increased by stressing it, in a manner similar to stressing the glycogen storage capacity in order to increase it. This would be accomplished by training under the conditions of low glycogen storage previously outlined—producing acetone breath following some workouts, indicative of the utilization of fats for energy.

During a race, it is also possible to increase the available energy by ingestion of glucose. Since glucose—in the form of dextrose—is readily absorbed into the blood stream, additional glucose can be supplied in this manner. A 25-gram dextrose tablet supplies nearly 100 kilocalories of energy, roughly the energy required to run a mile. From my own experience, the absorption and utilization of 25 grams of dextrose requires roughly 30 minutes. If one can maintain a 10-minute mile pace, this means that roughly 30% of the required energy can be supplied via the ingestion of dextrose.

In order to reduce the effects of electrolyte imbalance, it is suggested that the runner consume isotonic solutions such as Gatorade or ERG at regular intervals. This is essential to maintain a reasonable balance of water and salts such as sodium and potassium. In addition, Kenneth Cooper has shown that magnesium is lost to the intestines during exercise. The loss of magnesium is associated with muscular cramping, and the isotonic solutions mentioned do not contain this mineral. Thus, it is recommended that magnesium (Dolomite) be ingested at regular intervals as well. Muscular cramping frequently occurs beyond the collapse point—not only leg cramps, but also cramping in the lower back, shoulders and chest area, frequently making breathing difficult. This cramping can be largely eliminated through ingestion of magnesium.

I have outlined a *theory*, advanced on the basis of observation and some knowledge of physiology. I know of no scientific studies of human performance near and beyond the collapse point, although the potential contribution to race performance by such studies would be great. When we have full understanding of the physiological principles involved with marathon and longer training and racing, I feel certain that truly incredible performance will be achieved.

Chapter II

THE RACES



Western Hemisphere marathon (by Doug Schwab)

1974 MARATHON CALENDAR

The number of marathon races in the United States is leveling off. But if it must level off, this is a good place to do it... at well over 100 events a year.

This has been the progression in numbers in recent years:

1968-38	1971-102
1969-44	1972-124
1970-73	1973-127

For 1974, we have 127 US races listed here. As the year goes along, much of this information is bound to change since some race directors sent in questionnaires a year in advance of their marathons and other races weren't even planned when the booklet went to press. Watch *Runner's World* each month for additions and corrections.

Some dates aren't certain. Those are listed with a "?".

"Certified" courses are those which had been approved as the official distance by the national AAU committee on standards, headed by Ted Corbitt. Others, of course, will be okayed before the '74 race is held.

"Loop" courses are those starting and finishing in the same place, but not repeating themselves. "Laps" are repeated runs over the same circuit. "Out-and-back" courses are as the name implies, going to a turnaround then retracing themselves. "Point-to-point" courses start and finish in different locations and have no repeating.

The records indicated are bests for the particular *race*, not for the course.

Both men's and women's winners are included.

If you get the booklet late and miss the races listed, keep in mind that most of them are annual events held at about the same time each year. Use relevant information for the following year.

We advise you to write the race director (whose address is listed) well in advance of the race, including a stamped return envelope as a matter of courtesy. Most marathons have entry deadlines, and details often change without notice.

-
- ALL-AMERICAN MAYFAIR (2nd annual), Milwaukee, Wisconsin, June (?). Course: uncertified, no other details available. Record: 2:37:47 Steve Hoag '73. 1973 race: 71 finished, 11 under 3:00, 32 under 3:30, 54 under 4:00; won by Steve Hoag 2:37:47 and Sharon Cogbill no time. Contact: G. Roger Bodart, Mayfair Associates Inc., 2500 N. Mayfair Rd., Milwaukee, Wisc. 53226.
 - AAU MASTERS (7th annual), Portland, Oregon (Sauvie Island), 7 July. (6 a.m.). Course: certified, 2 laps, flat. Record: 2:32:37, Bill Gookin '73.

1973 race: 76 finished, 18 under 3:00, 53 under 3:30, 69 under 4:00; won by Bill Gookin 2:32:37 and Luanne Kralick 3:29:07. Age 40-up. \$5.00 fee. Contact: Jim Puckett, Mt. Hood Community College, 26000 S.E. Stark, Gresham, Ore. 97030.

● AAU NATIONAL CHAMPIONSHIP, Yonkers, New York (Yonkers Raceway), 2 June (noon). Course: certified, 4 laps. Record: 2:15:48, Doug Schmenk '73. 1973 race (at San Mateo, Calif.): 311 finished, 17 under 2:30, 94 under 3:00, 205 under 3:30, 259 under 4:00; won by Doug Schmenk 2:15:48 and Margie Norem 2:59:30. Entries close 27 May. No fee. Contact: Mel Goldberg, Yonkers Raceway, Yonkers, N.Y. 10704.

● AAU NATIONAL WOMEN'S CHAMPIONSHIP (new in 1974), San Mateo, California (San Mateo High School), 10 February (9 a.m.). Course: certified, 5-mile laps plus 1.2 at end, flat. Record (unofficial): 2:59:30, Margie Norem '73. \$1.50 or \$2.00 fee. Contact: Jack Leydig, West Valley Track Club, Box 1551, San Mateo, Calif. 94401.

● AMERICAN NATIONAL (7th annual), Galveston, Texas (Galveston Island), 23 November (11 a.m.). Course: certified, point-to-point, flat. Record: 2:29:35, Gary Tuttle '73. 1973 race: 112 finished, 1 under 2:30, 7 under 3:00, 46 under 3:30, 86 under 4:00; won by Gary Tuttle 2:29:35 and Kathy Loper 3:36:18. Ages 15-up. \$2.00 fee. Contact: Gerrit Hoogenboezem, Box 2052, Galveston, Tex. 77550.

● ANDREW JACKSON (3rd annual), Jackson, Tennessee, 28 September



ATHENS MARATHON

MARCH 10, 1974, SUNDAY NOON

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(7 a.m.). Course: certified, 2 laps. Record: 2:41:31, Mark Bauman '72. 1973 race: 24 finished, 4 under 3:00, 17 under 3:30, 21 under 4:00; won by Kevin Harper 2:45:05 and Cathy Sigler 3:59:24. \$2.00 fee. Contact: Burt Parker, YMCA, Box 3264, Jackson, Tenn. 38301.

● **ANDY PAYNE** (2nd annual), Weathersford, Oklahoma, August (?). Course: uncertified, no other details available. Record: 2:55:44, Mickey Sullivan '73. 1973 race: 8 finished, 3 under 3:00, 5 under 3:30, 8 under 4:00; won by Mickey Sullivan 2:55:44 (no women). Contact: Andy Payne Marathon, Box 364, Weathersford, Okla. 70396.

● **ARIZONA ADMISSIONS DAY** (6th annual), Tucson, Arizona, 9 or 16 February (9 a.m.). Course: uncertified, 26-mile loop, 200 feet of climbing in first half. Record: 2:26:42, Jerry Jobski '71. 1973 race: 88 finished, 22 under 3:00; won by Ron Hall 2:32:24 (no women). \$2.00 fee (\$5.00 late). Contact: J. McGee Evans, 400 N. 2nd Ave., Tucson, Ariz. 85705.

● **ATHENS** (8th annual), Athens, Ohio (Peden Stadium), 10 March (noon). Course: uncertified, out-and-back. Record: 2:20:41.8, Carl Hatfield '73. 1973 race: 73 finished, 2 under 2:30, 28 under 3:00, 49 under 3:30, 64 under 4:00; won by Carl Hatfield 2:20:41.8 (no women). Ages 17-up. \$2.00 fee. Contact: Ellsworth Holden Jr., 26 Northwood Dr., Athens, Ohio 45701.

● **ATLANTIC CITY** (15th annual), Atlantic City, New Jersey, 27 October (noon). Race is also the Road Runners Club of America championship for men and women. Course: certified, out-and-back 3 times, flat. Record: 2:24:42.4, Bob Scharf, '67. 1973 race: 80 finished, 22 under 3:00, 63 under 3:30; won by Till Luftt 2:34:56.4 (no women). \$1.00 fee. Contact: Ed League, Box 732, Atlantic City, N.J. 08404.

● **AVENUE OF THE GIANTS** (3rd annual), Weott, California, 5 May (9 a.m.). Course: certified, out-and-back through redwood groves. Record: 2:17:43, Bill Scobey '73. 1973 race: 101 finished, 1 under 2:30, 37 under 3:00, 69 under 3:30, 87 under 4:00; won by Bill Scobey 2:17:43 and Irene Rudolf 3:26:57. \$2.00 fee. Contact: Dave McGrath, 1206 Oasis St., Arcata, Calif. 95521.

● **BAY STATE** (4th annual), Framingham, Massachusetts, October (?). Course: certified, 5 laps. Record: 2:27:21, Ralph Thomas '72. 1973 race: 133 finished, 2 under 2:30, 47 under 3:00, 119 under 3:30, 128 under 4:00; won by William Rodgers 2:28:12 and Marilyn Cushing 3:16:00. Contact: Director, YMCA, 280 Old Connecticut Path, Framingham, Mass. 01701.

● **BIRCH BAY** (6th annual), Blaine, Washington, 13 April (noon). Course: certified, out 2½ miles, 10.6-mile loop, back 2½. Record: 2:26:26.8, Jim Pearson '72. 1973 race: 66 finished, 2 under 2:30, 15 under 3:00, 29 under 3:30, 46 under 4:00; won by Wolf Schamberger 2:27:57 and Maria Brzezinska 3:41:55. \$2.00 fee. Contact: Jim Pearson, 521 17th St., Bellingham, Wash. 98225.

● **BOSTON ATHLETIC ASSOCIATION** (78th annual), Hopkinton to Boston, Massachusetts, 15 April (noon). Course: certified, point-to-point. Record: 2:10:30, Ron Hill '70. 1973 race: 1220 finished, 21 under 2:30,

242 under 3:00, 722 under 3:30, 1061 under 4:00; won by Jon Anderson 2:16:03 and Jacki Hansen 3:05:59.2. Ages 19-up, sub 3:30 marathon required between 1 Apr 73 and 1 Apr 74, entries close 1 Apr. Contact: Will Cloney, Boston Garden, North Station, Boston, Mass. 02114.

● BOSTON QUALIFIER (5th annual), Ithaca, New York (Barton Hall), 24 March (or 31 March in case of snow). Course: certified, 26-mile loop, 800 feet of climbing. Record: 2:38:48, Bob Congdon and Keith Hartman '73. 1973 race: 25 finished, 6 under 3:00, 21 under 3:30, 25 under 4:00; won by Bob Congdon & Keith Hartman 2:38:48 (no women). \$1.00 fee. Contact: James Hartshorne, 108 Kay St., Ithaca, N.Y. 14850.

● BRECKENRIDGE (2nd annual), Breckenridge, Michigan, 29 June or 6 July (7 a.m.). Course: uncertified, no other details available. Record: 3:03:33, Ed Kimmel '73. 1973 race: 11 finished, 6 under 3:30 and 4:00; won by Ed Kimmel 3:03:33 (no women). \$2.00 fee. Contact: Breckenridge Track Club, 5811 East Olive Rd., Breckenridge, Mich. 48615.

● CANTON (5th annual), Canton, Ohio (Downtown YMCA), 6 October (1 p.m.). Course: new course in 1974, not yet determined. Record: 2:22:44, Carl Hatfield '71. 1973 race: 115 finished, 23 under 3:00, 60 under 3:30, 93 under 4:00; won by Brian Sobczak 2:33:24 and Rose Thomas 3:46:31. \$3.00 fee. Contact: Tom White, Downtown YMCA, 405 2nd St. N.W., Canton, Ohio 44702.

● CHAMPLAIN VALLEY (4th annual), Rouses Point to Plattsburgh, New York, 11 May (noon). Course: certification pending, point-to-point, flat, along Lake Champlain. Record: 2:27:40, Ralph Thomas '73. 1973 race: 101 finished, 1 under 2:30, 25 under 3:00, 52 under 3:30, 71 under 4:00; won by Ralph Thomas 2:27:40 and Sue Brown 3:50:04. \$4.00 fee. Contact: John Francis, YMCA, 13 Oak St., Plattsburgh, N.Y. 12901.

● CHENEY (3rd annual), Cheney, Washington, November (?). Course: certified, 26-mile loop. Record: 2:39:30, Terry Heath '72. 1973 race: 5 finished, 4 under 3:30, 5 under 4:00; won by Russ Akers 3:05:19 (no women). Contact: Richard Redman, 418 Cocolalla, Cheney, Wash. 99004.

● CHICAGO (new in 1974), Chicago, Illinois (Riis Park), 24 February. No other details available. Contact: George Gabauer, 1440 W. Diversey Parkway, Chicago, Ill. 60614.

● CITY OF LOS ANGELES (5th annual), Los Angeles, California (Elysian Park), 6 April (8 a.m.). course: uncertified, out-and-back. Record: 2:28:48, Doug Schmenk '73. 1973 race: 148 finished, 1 under 2:30, 10 under 3:00, 37 under 3:30, 82 under 4:00; won by Doug Schmenk 2:28:48 and Gloria Bassler 4:32:31. \$2.00 fee. Contact: Larry Brenner, 3401 Riverside Dr., Los Angeles, Calif. 90027.

● CONNECTICUT AAU (3rd annual), Middletown, Connecticut, March (?). course: certification pending, 2 laps. Record: 2:19:01.6, John Vitale '72. 1973 race: 97 finished, 30 under 3:00, 75 under 3:30, 90 under 4:00; won by John Foran 2:31:57 and Kathy Lynch 3:22:30. Contact: Bernie O'Rourke, Director of Recreation, Municipal Building, Middletown, Conn. 06457.

- COVERED BRIDGE (5th annual), Indianola to Winterset, Iowa, 13 October (9 a.m.). Course: uncertified, point-to-point. Record: 2:32:44, Loren Moes '72. 1973 race: 27 finished, 4 under 3:00, 10 under 3:30, 15 under 4:00; won by John Samore 2:38:01.8. \$1.00 fee. Contact: Robert Kaldenberg, R.R. 1, St. Charles, Iowa 50240.
- CYCLONE COUNTRY (4th annual), Ames, Iowa, June (?). Course: certification pending. Record: 2:27:11, Wes Crist '72. 1973 race: 20 finished, 5 under 3:00, 13 under 3:30, 18 under 4:00; won by Kenneth Katzer 2:42:32 (no women). Contact: Karl Larson, 2721 Luther Dr., Ames, Iowa 50010.
- DEERFIELD BEACH (5th annual), Deerfield Beach, Florida, December (?). Course: uncertified, out-and-back, flat. Record: 2:38:50, Weston Bruner '72. 1973 race: see "late news" section in back of booklet. Contact: Bill Boynton, Deerfield Beach High School, Deerfield Beach, Fla. 33441.
- DELAWARE SPORTS CLUB (new in 1974), Wilmington, Delaware, 15 December (noon). Course: uncertified, 26-mile loop. \$2.00 fee. Contact: Thomas Fort, Delaware Sports Club, Box 226, Wilmington, Del. 19899.
- DESERET NEWS (5th annual; formerly called "Pioneer"), Big Mountain to Salt Lake City, Utah, 24 July (6 a.m.). Course: uncertified, point-to-point, 6500 to 7400 to 4500 feet elevation. Record: 2:29:57, William Haviland '73. 1973 race: 93 finished, 1 under 2:30, 15 under 3:00, 46 under 3:30, 81 under 4:00; won by William Haviland 2:29:57 and Mary Mathews 3:39:08. \$2.00 fee. Contact: Deseret News Marathon, Box 1257, Salt Lake City, Utah 84110.
- DETROIT NEWS (2nd annual), Detroit, Michigan (Belle Isle), 9 March. Course: certified, 5 laps, flat. Record: 2:24:04.6, Norm Patenaude '73. 1973 race: 81 finished, 2 under 2:30, 39 under 3:00, 70 under 3:30, 78 under 4:00; won by Norm Patenaude 2:24:04.6 (no women). Contact: Ernie Smith, 39500-242 Warren Rd., Plymouth, Mich. 48170.
- DIXON (2nd annual), Chester, Pennsylvania (Widener College), 15 December (11 a.m.). Course: uncertified, out-and-back. Record: established in 1973. 1973 race: see "late news" section in back of booklet. \$2.00 fee. Contact: H.C. Durney, Track Coach, Widener College, Chester, Pa.
- DRAKE RELAYS (6th annual), Des Moines, Iowa (State Capitol), 27 April (9:15 a.m.). Course: uncertified, point-to-point. Record: 2:22:13, Lucien Rosa '72. 1973 race: 84 finished, 3 under 2:30, 39 under 3:00, 64 under 3:30, 79 under 4:00; won by Lucien Rosa 2:25:18.4. Ages 19-up. No fee. Contact: Bob Ehrhardt, Track Coach, Drake University, Des Moines, Iowa 50311.
- EARTH DAY (16th annual), Westbury, New York (Roosevelt Raceway), 17 March (noon). Course: certification pending, 8-mile laps. Record: 2:23:17.6, Tom Hollander '72. 1973 race: 287 finished, 54 under 3:00, 178 under 3:30, 259 under 4:00; won by Larry Frederick 2:30:25.6 and Nina Kuscsik 3:09:52. \$3,00 fee. Contact: Paul Fetscher, 183 Maxine Ct., West Hempstead, N.Y. 11552.

- **EASTERN NEW MEXICO** (3rd annual; formerly called "Portales"), Portales, New Mexico, 16 February (9 a.m.). Course: uncertified, out-and-back, flat. Record: 2:23:28, Larry Blancett '73. 1973 race: 50 finished, 3 under 2:30, 19 under 3:00, 34 under 3:30, 43 under 4:00; won by Larry Blancett 2:23:28 (no women). \$2.00 fee. Contact: Bill Silverberg, Physical Education Dept., Eastern New Mexico University, Portales, N.M. 88130.
- **EQUINOX** (12 annual), Fairbanks, Alaska, 21 September (8 a.m.). Course: uncertified, on trails, 2000 feet of climbing. Record: 2:58:19, Chris Haines '73. 1973 race: 123 finished, 1 under 3:00, 5 under 3:30, 17 under 4:00; won by Chris Haines 2:58:10 and Marcie Trent 4:15:22. Ages 10-up. \$4.00 fee. Contact: Marathon Coordinator, Dept. of Physical Education, Box 9551, University of Alaska, Fairbanks, Alaska 99701.
- **FIESTA BOWL** (4th annual), Cave Creek to Scottsdale, Arizona, 20 December (9 a.m.). Course: certified, point-to-point. Record: 2:20:27, Pete Span '72. 1973 race: see "late news" section in back of booklet. \$3.00 fee. Contact: Tom Harris, 350 N. First Ave., Phoenix, Ariz. 85003.
- **FINGER LAKES** (5th annual), Ithaca to Marathon, New York, 13 October (12:30 p.m.). Course: certified, point-to-point, 1600 feet of climbing. Record: 2:33:54, Bill Hopkins '71. 1973 race: 42 finished, 16 under 3:00, 29 under 3:30, 39 under 4:00; won by Dan Larson 2:37:25 and Nikki Kilgore 3:39:47. \$2.00 fee. Contact: James Hartshorne, 108 Kay St., Ithaca, N.Y. 14850.
- **FIRST TRUST** (5th annual), Liverpool, New York, May (?). Course: certified, 26-mile loop. record: 2:24:42.8, Edmund Norris '72. 1973 race: 62 finished, 2 under 2:30, 25 under 3:00, 45 under 3:30, 61 under 4:00; won by Bob Thurston 2:25:58 and Kathy Switzer 3:35:04. Contact: Mel Slotnik, 410 S. Main St., North Syracuse, N.Y. 13212.
- **FLORIDA** (7th annual), Ft. Myers, Florida, 18 March (9 a.m.). Course: uncertified, no other details available. Record: 2:51:33, Ron Chase '73. 1973 race: 4 finished, 1 under 3:00, 2 under 3:30, 2 under 4:00; won by Ron Chase 2:51:33 (no women). \$5.00 fee. Contact: Lou Cappi, Physical Director YMCA, Box 6488, Ft. Myers, Fla. 33901.
- **FLORIDA RELAYS** (3rd annual), Gainesville, Florida, 30 March. Course: certified, out-and-back. Record: 2:30:53.8, Dennis Spencer '73. 1973 race: 42 finished, 12 under 3:00, 25 under 3:30, 42 under 4:00; won by Dennis Spencer 2:30:53.8 (no women). \$1.00 fee. Contact: Roy Benson, Asst. Track Coach, University of Florida, Gainesville, Fla. 32601.
- **FREEDOM** (6th annual), Monticello, Illinois (Allerton Park), 29 June (6 a.m.). Course: certified, 9-mile laps. Record: 2:30:47, Dike Stirrett '73. 1973 race: 69 finished, 28 under 3:00, 41 under 3:30, 67 under 4:00; won by Dike Stirrett 2:30:47 (no women). \$3.00 fee. Contact: Illinois Track Club, Box 2976, Station A, Champaign, Ill. 61820.
- **GLASS CITY** (4th annual), Toledo, Ohio (University of Toledo), 16 June (8 a.m.). Course: certification pending, out-and-back, flat. Record: 2:32:15, Sid Sink '73. 1973 race: 186 finished, 38 under 3:00, 100 under 3:30, 148 under 4:00; won by Sid Sink 2:32:15 and Sigrid Nadon 3:18:44. \$3.00 fee

(\$5.00 late). Contact: J.G. Edwards, 3809 Maxwell Rd., Toledo, Ohio 43613.

● **GOLD COAST** (2nd annual), Boca Raton, Florida (St. Andrew's School), 27 January (8:30 a.m.). Course: uncertified, out 2 miles, 3 laps of 7+ miles, back, flat. Record: 2:38:50.6, Dennis Wuidler '73. 1973 race: 27 finished, 4 under 3:00, 14 under 3:30, 24 under 4:00; won by Dennis Wuidler 2:38:50.6 (no women). \$3.00 fee (\$4.00 late). Contact: Ray Russell, 2506 N.E. 8th St., Ft. Lauderdale, Fla. 33304.

● **GOLDEN GATE** (4th), Tiburon to San Francisco, California, 25 May (8:30 a.m.). Course: uncertified, point-to-point, crosses Golden Gate Bridge at 21 miles. Record: 2:31:37, Richard Delgado '71. 1973 race: not held. Contact: Richard Perry, 3909 Pepper Tree Ct., Redwood City, Calif. 94061.

● **GRAND VALLEY** (5th annual), Grand Rapids, Michigan (Grand Valley State College), November (?). Course: certified, no other details available. Record: 2:26:42, Barney Hance '73. 1973 race: 64 finished, 2 under 2:30, 13 under 3:00, 42 under 3:30, 52 under 4:00, won by Barney Hance 2:26:42 (no women). \$3.00 fee. Contact: Don Brown, Grand Rapids Central YMCA, 33 Library St. N.E., Grand Rapids, Mich. 49502.

● **GREENS-WINSTON** (9th annual), Greensboro to Winston-Salem, North Carolina, 17 August (6 a.m.). Course: certified, point-to-point. Record: 2:29:50, Gareth Hayes, '72. 1973 race: 26 finished, 6 under 3:00, 18 under 3:30, 23 under 4:00; won by Gareth Hayes 2:30:26. \$1.00 fee. Contact: Scott Brent, 2725 Brightwood Ct., Winston-Salem, N.C. 27107.

● **GROUND HOG DAY** (7th annual), Morrilton, Arkansas (Petit Jean State Park), 2 February. Course: certified, no other details available. Record: 2:21:55.2, Terry Ziegler '73. 1973 race: 38 finished, 1 under 2:30, 14 under 3:00, 29 under 3:30, 31 under 4:00; won by Terry Ziegler 2:21:55.2 (no women). Contact: Bill Nutter, Dept. of Health and P.E., State College of Arkansas, Conway, Ark. 72032.

● **HARRISBURG NATIONAL** (2nd annual), Harrisburg, Pennsylvania, 3 November (9:30 a.m.). Course: uncertified, point-to-point. Record: 2:56:33, Bill Dawson '73. 1973 race: 51 finished, 2 under 3:00, 9 under 3:30, 12 under 4:00; won by Bill Dawson 2:56:33 and Pauline Bayer 5:15:18. Contact: Jack Scarbrough, YMCA, Front and North Sts., Harrisburg, Pa. 17101.

● **HAWIIAN** (20th), Kahului to Kaanapali, Maui, Hawaii, 6 April (8 a.m.). Course: uncertified, point-to-point. Record: 2:39:14, Gordon Haller '73. 1973 race: 25 finished, 8 under 3:00, 17 under 3:30, 25 under 4:00; won by Gordon Haller 2:39:14 and Caroline Miyashiro 3:45:30. \$2.00 fee. Contact: Bob Getzen, Box 215, Hana, Maui, Hawaii 96713.

● **HEART OF AMERICA** (15th annual), Columbia, Missouri, 2 September (6 a.m.). Course: certification pending, out, 17-mile loop, back. Record: 2:34:07, Barry Crawford '66. 1973 race: 48 finished, 8 under 3:00, 26 under 3:30, 34 under 4:00; won by Tim Hendricks 2:43:40 (no women). \$2.00 fee. Contact: Joe Duncan, 4004 Defoe Dr., Columbia, Mo. 65201.

● **HEART-WATCHERS** (2nd annual), Toledo, Ohio, 24 March (1:30 p.m.). Course: uncertified, no other details available. record: 2:45:29, John

Schauble. 1973 race: won by John Schauble 2:45:29. Contact: J.G. Edwards, 3809 Maxwell Rd., Toledo, Ohio 43613.

- **HINSDALE CENTRAL** (6th annual), Hinsdale, Illinois (Hinsdale Central High School), February (?). Course: certified, loops, of 1.1, 10.2 (twice), 4.1 miles. Record: 2:36:44, Bill Cooke '73. 1973 race: 64 finished, 15 under 3:00, 43 under 3:30, 59 under 4:00; won by Bill Cook 2:36:44 (no women). Contact: Conrad Truedson, 3305 York Rd., Oak Brook, Ill. 60521.
- **HOLIDAY** (3rd) Pueblo, Colorado (Pueblo County High School), 14 December (10 a.m.). Course: uncertified, out-and-back. Record: 2:33:29, Ted Castaneda '71. 1973 race: see "late news" section in back of booklet. Contact: Jeff Arnold, Rt. 5, Box 226, Rye, Colo. 81069.
- **HONOLULU** (2nd annual), Honolulu, Hawaii, December (?). Course: certified, out-and-back. Record: established in 1973. 1973 race: see "late news" section in back of booklet. \$2.00 fee. Contact: Department of Recreation, City and County of Honolulu, Honolulu, Hawaii.
- **HOUSTON** (3rd annual), Houston, Texas (Memorial Park), 28 December (10 a.m.). Course: certified, 5-mile laps. Record: 2:32:33, Danny Green '72. 1973 race: see "late news" section in back of booklet. \$2.00 fee. Contact: Pete League, 5471 Jackwood, Houston, Tex. 77035.
- **IRISH DAY** (4th annual; formerly called "All-American"), Pittsburgh, Pennsylvania, July (?). course: uncertified, out-and-back. Record: 2:37:39, Marc Peuron '72. 1973 race: 6 finished, 2 under 3:00, 3 under 3:30, 5 under 4:00; won by Don Slusser 2:44:00 (no women). Contact: C.A. Herman, 5001 Lougean Ave., Pittsburgh, Pa. 15207.
- **ISLAND** (3rd annual), Portland, Oregon (Sauvie, Island), 23 November (11 a.m.). Course: certified, 2 laps, 19 feet elevation variation. Record: 2:22:07.2, Joe Skaja '73. 1973 race: 168 finished, 6 under 2:30, 46 under 3:00, 112 under 3:30, 146 under 4:00; won by Joe Skaja 2:22:07.2 and Marilyn Paul 3:05:41. \$2.00 fee. Contact: Ken Weidkamp, 14230 S.W. Derby St., Beaverton, Ore. 97005.
- **JERSEY SHORE** (3rd annual), Asbury Park, New Jersey, 20 January (11 a.m.). Course: certified, out-and-back along ocean, flat. Record: 2:19:16, Tom Fleming '73. 1973 race: 132 finished, 4 under 2:30, 43 under 3:00, 87 under 3:30, 112 under 4:00; won by Tom Fleming 2:19:16 and Patricia Barrett 3:04:50. \$2.00 fee. Contact: Tom Baum, 1307 Ocean Ave., Spring Lake, N.J. 07764.
- **JUNEAU** (4th), Juneau, Alaska, 1 June (7 a.m.). Course: uncertified, out-and-back twice. Record: 3:01:07, Dale Harmer '73. 1973 results: won by Dale Harmer 3:01:07. \$1.00 fee. Contact: Jim Dumont, Recreational Director, Juneau, Alaska 99801.
- **KALISPELL** (4th annual), Kalispell, Montana (Woodland Park), 10 July (4 p.m.). Course: uncertified, out-and-back. Record: 2:46:00.2, Ed Walkwitz '72. 1973 race: 6 finished, 1 under 3:00, 1 under 3:30, 3 under 4:00; won by Rich Casperson 2:47:43 and Gigi Brown 3:58:36. No fee. Contact: Larry O'Neil, 233 5th Ave. E., Kalispell, Mont. 59901.

- **KANSAS RELAYS** (5th annual), Lawrence, Kansas (University of Kansas), 20 April (7 a.m.). Course: certified, out-and-back. Record: 2:21:15, Terry Ziegler '73. 1973 race: 96 finished, 3 under 2:30, 48 under 3:00, 69 under 3:30, 85 under 4:00; won by Terry Ziegler 2:21:15 (no women). \$1.00 fee. Contact: Bob Timmons, Track Coach, University of Kansas, Lawrence, Kans. 66044.
- **KNIGHTS OF COLUMBUS** (2nd annual), Cupertino, California, 7 April (9 a.m.). Course: certified, 26-mile loop. Record: 2:39:01, Ritchie Geisel '73. 1973 race: 109 finished, 10 under 3:00, 35 under 3:30, 64 under 4:00; won by Ritchie Geisel 2:39:01 and Nancy Ihrman 3:05:32. Contact: Daniel O'Keefe, 20186 Forest Ave., Cupertino, Calif. 95014.
- **KNOXVILLE TRACK CLUB** (new in 1974), Knoxville, Tennessee, 17 February. Course: not yet determined. Contact: Harold Canfield, 502 Alandale Rd., Knoxville, Tenn. 37920.
- **LAGUNA LAKE** (2nd annual), San Luis Obispo, California, April (?). Course: uncertified, no other details available. Record: 2:36:44.6, Keith Jeffers '73. 1973 race: 21 finished, 10 under 3:00, 13 under 3:30, 16 under 4:00; won by Keith Jeffers 2:38:44.6 and Jana Ellis 4:54:06. Contact: Brian Waterbury, 1320 Foothill Blvd., San Luis Obispo, Calif. 93401.
- **LAND OF LAKES** (12th annual), White Bear Lake, Minnesota, 20 October (1 p.m.). Course: uncertified, 6.85-mile laps. Record: 2:26:27.6, Steve Hoag '73. 1973 race: 38 finished, 2 under 2:30, 10 under 3:00, 28 under 3:30, 36 under 4:00; won by Steve Hoag 2:26:27.6 and Valerie Rogosheske 3:21:57. Contact: John Christian, Rt. 1, Box 32, Maple Plain, Minn. 55359.
- **LAS VEGAS** (8th annual), Las Vegas, Nevada (University of Nevada), 2 February (9 a.m.). Course: certified, 26-mile loop. Record: 2:19:24, Scott Bringham '72. 1973 race: 100 finished, 21 under 3:00, 65 under 3:30, 89 under 4:00; won by Leonard Suarez 2:31:20 and Gwen Brauer 3:44:59. \$4.00 fee (42.00 for ages 19-under). Contact: William Freedman, Box 869, Las Vegas, Nev. 89101.
- **LINN TECH** (5th annual), Linn to Jefferson City, Missouri, October (?). Course: uncertified, point-to-point. Record: 2:29:58, Jim McFadden '70. 1973 race: not reported. Contact: James Symmonds, Linn Technical College, Linn, Mo. 65051.
- **LIVERMORE** (new in 1974), Livermore, California, 7 December. Course: uncertified, 26-mile loop. Contact: Dan Moore, 663 Jefferson Ave., Livermore, Calif. 94550.
- **LONE PEAK** (2nd annual), Draper, Utah (Draper Park), 27 May (8 a.m.). Course: uncertified, 3 laps. Record: 2:53:45, Forest Simmons. 1973 race: 10 finished, 3 under 3:00, 8 under 3:30, 9 under 4:00; won by Forest Simmons 2:53:45 (no women). \$3.00 fee. Contact: Ben Peterson, 1054 E. 8600 S., Sandy, Utah 84070.
- **LONGEST DAY** (5th annual), Brookings, South Dakota, 16 November (noon). Course: certified, 26-mile loop. Record: 2:31:34, Cliff Karthaus '73. 1973 race: 27 finished, 4 under 3:00, 15 under 3:30, 25 under 4:00;

won by Cliff Karthaus 2:31:34 (no women). \$2.00 fee. Contact: Jay Dirksen, Track Coach, South Dakota State University, Brookings, S.D. 57006.

● MACKINAW TRAILS (3rd annual), Saginaw, Michigan, 8 June (6:30 a.m.). Course: certified, 26-mile loop. Record: 2:29:02.2, Martins Ande '73. 1973 race: 61 finished, 8 under 3:00, 26 under 3:30, 47 under 4:00; won by Duane Spitz 2:30:13 and Kathleen Mitchell 5:06:04. \$3.00 fee (\$5.00 late). Contact: Ray Anderson, 5456 Adrian St., Saginaw, Mich. 48603.

● MADERA (7th annual), Madera, California, 14 December (10 a.m.). Course: uncertified, 2 laps, flat. Record: 2:26:11, Skip Houk '72. 1973 race: see "late news" section at back of booklet. \$2.00 fee. Contact: Dee Dewitt, Madera High school, Madera, Calif. 93637.

● MARATHON (3rd annual), Terre Haute, Indiana, 22 June. Course: certified, no other details available. Record: 2:26:24, William Gavaghan '73. 1973 race: 119 finished, 1 under 2:30, 32 under 3:00, 72 under 3:30, 93 under 4:00; won by William Gavaghan 2:26:24 and Nina Kuscsik 3:05:53. Contact: Pierre Burke, 1624 N. 3rd St., Terre Haute, Ind. 47804.

● MARATHON OF THE LAKES (3rd annual; formerly called "San Martin"), San Martin, California, 24 March (8 a.m.). Course: certified, 26-mile loop. Record: 2:39:30.2 (no women). RRC membership required. \$1.50 fee. Contact: William Foldberg, 12925 Foothill, San Martin, Calif. 95046.

● MARCH OF DIMES (new in 1974; replaces "Memorial Day"), Roseburg, Oregon (Community Center), 27 April (9 a.m.). Course: uncertified, 26-mile loop. Contact: Stanley Stafford, 1778 N.W. Lemans, Roseburg, Ore. 97470.

● MARDI GRAS (12th annual), New Orleans, Louisiana, 2 February (8 a.m.). Course: certified, 18- and 8-mile loops, flat. Records: 2:20:24, Amby Burfoot '73. 1973 race: 44 finished, 4 under 2:30, 10 under 3:00, 25 under 3:30, 34 under 4:00; won by Amby Burfoot 2:20:24 (no women). Contact: Dreux Summers, 549 Brookmeade Dr., Gretna, La. 70053.

● MARYLAND (2nd annual), Baltimore, Maryland, November (?). Course: certified, no other details available. record: 2:22:56, Vic Nelson '73. 1973 race: 4 under 2:30, 67 under 3:00; won by Vic Nelson 2:22:56 and Kathy Switzer 3:10:37. Contact: Marathon Commission, 610 N. Howard St., 4th Floor, Baltimore, Md. 21201.

● MELBOURNE (4th annual), Melbourne, Florida (Wickham Park), 27 December (8 a.m.). Course: certification pending, flat. Record: 2:28:22, Clayton Craig '72. 1973 race: see "late news" section in back of booklet. \$2.00 fee. Contact: Carl Meyer, Melbourne Recreation Dept., Melbourne, Fla. 32901.

● MEL VOS MEMORIAL (3rd annual), Topeka, Kansas (Lake Shawnee), 30 November (noon). Course: uncertified, 4 laps around lake. Record: 2:34:18, Jerome Howe '72. 1973 race: 56 finished, 10 under 3:00; won by Roberto Rosales 2:41:18 and Tammy Gilpin 3:25:36. \$2.00 fee (\$3.00 late). Contact: Karlton Naylor, 120 N.W. 35th, Topeka, Kans. 66617.

● MILE-HIGH (4th annual), Denver, Colorado, 26 May (7:30 a.m.). Course:

certified, 5½-mile laps, flat. Record: 2:41:27, Jim Gusek '73. 1973 race: 71 finished, 17 under 3:00, 48 under 3:30, 60 under 4:00; won by Jim Gusek 2:41:27 (no women). \$3.00 fee. Contact: Alan Cunniff, 424 S. Clarkson, Denver, Colo. 80209.

- MISSION BAY (10th annual), San Diego, California (Mission Bay Park), 12 January (8 a.m.). Course: certified, 2 laps. Record: 2:17:45, Doug Schemnk '73. 1973 race: 226 finished, 7 under 2:30, 65 under 3:00, 146 under 3:30, 200 under 4:00; won by Doug Schmenk 2:18:06 and Judy Ikenberry 3:00:05. \$2.00 fee. Contact: Bill Gookin, 5946 Wenrich Dr., San Diego, Calif. 92120.
- MOTOR CITY (12 annual), Detroit, Michigan (Belle Isle), 27 October (a.m.). Course: certified, 5.3-mile laps, flat. Record: 2:12:00, Jerome Drayton '69. 1973 race: 110 finished, 2 under 2:30, 45 under 3:00, 78 under 3:30, 108 under 4:00; won by Duane Spitz 2:23:05 (no women). Ages 18-up. \$2.00 fee. Contact: Edward Kozloff, 10144 Lincoln, Huntington Woods, Mich. 48070.
- MOUNTAIN (7th annual), Boone to Grandfather Mountain, North Carolina, 13 July (11 a.m.). Course: certified, point-to-point, 3266 to 4279 feet elevation. Record: 2:38:13, Kon Kennedy '73. 1973 race: 33 finished, 2 under 3:00, 14 under 3:30, 23 under 4:00; won by Don Kennedy 2:38:13 (no women). \$2.00 fee (\$3.00 late). Contact: Ed Strabel, Rt. 3, Box 335, Boone, N.C. 28607.
- NAIA CHAMPIONSHIP (3rd annual), with NAIA track and field meet, May (?). Record: 2:26:01, Lucien Rosa '73. 1973 race: 33 finished, 2 under 2:30, 25 under 3:00, 32 under 3:30; won by Lucien Rosa 2:26:01. Eligible collegians only. Contact: NAIA, 106 W. 12th St., Kansas City, Mo. 64105.
- NEW YORK CITY (5th annual), New York, New York (Central Park), 29 September (11 a.m.). Course: certified, 2.2-mile and 4 x 6-mile laps. Record: 2:21:54.8, Tom Fleming '73. 1973 race: 249 finished, 6 under 2:30, 59 under 3:00, 180 under 3:30, 247 under 4:00; won by Tom Fleming 2:21:54.8 and Nina Kuscsik 2:57:07.2. \$2.00 fee (\$3.00 late). Contact: Fred Lebow, Box 881, FDR Station, New York, N.Y. 10022.
- NITTANY TALLEY TRACK CLUB (2nd annual), State College, Pennsylvania, 17 February (11 a.m.). Course: uncertified, out, loop, back. Record: 2:45:45, Carl Bechdel '73. 1973 race: 9 finished, 2 under 3:00, 9 under 3:30; won by Carl Bechdel 2:45:25. \$2.00 fee. Contact: Harry Groves, Track Coach, Penn State, 247 Recreation, University Park, Pa. 16802.
- NORTH CENTRAL (8th annual), Naperville, Illinois (North Central College), 1 December (11 a.m.). Course: uncertified, out-and-back twice; Record: 2:21:53, Jay Dirksen '69. 1973 race: 185 finished, 3 under 2:30, 72 under 3:00, 152 under 3:30, 180 under 4:00; won by Pete Farwell 2:27:45.8 and Kim Piper 3:03:27. \$2.00 fee (\$3.00 late). Contact: Robert Schrader, Asst. Track Coach, North Central College, Naperville, Ill. 60540.
- NORTH TEXAS (3rd annual), Denton, Texas, 12 January (9 a.m.). Course: uncertified, 26-mile loop. Record: 2:20:43.8, Tom Hess '73. 1973 race: 27 finished, 2 under 3:39, 13 under 3:00, 18 under 3:30, 26 under 4:00; won by Tom Hess 2:20:43.8 (no women). \$3.00 fee. Contact: Ken Swen-

son, Asst. Track Coach, North Texas State University, Denton, Texas 76203.

- **NORTHERN IOWA** (3rd annual), Cedar Falls, Iowa, 7 April (noon). Course: uncertified, no other details available. Record: 2:38:06.6, Galen Green '73. 1973 race: 21 finished, 5 under 3:00, 7 under 3:30, 9 under 4:00; won by Galen Green 2:38:06.6 (no women). \$1.00 fee. Contact: Jack Jennett, Track Coach, University of Northern Iowa, Cedar Falls, Iowa 50613.
- **OCEAN TO BAY** (12th annual), Half Moon Bay to Belmont, California, 3 August. Course: uncertified, point-to-point, climbs to 2000 feet in first 10 miles. record: 2:27:58.8, Tom Hale '72. 1973 race: 69 finished, 10 under 3:00, 31 under 3:30, 50 under 4:00, won by John Sheehan 2:40:36.2 and Carol Shelton 4:16:54. Contact: Belmont Recreation Dept., 1225 Ralston Ave., Belmont, Calif. 94002.
- **ODESSA** (3rd annual), Odessa, Texas (Nimitz Junior High), 14 December (9 a.m.). Course: certification pending, out-and-back, flat. Record: 2:37:39, Mike Pinocci '72. 1973 race: 54 finished, 5 under 3:00, 15 under 3:30, 28 under 4:00; won by Mike Albert 2:38:02 and Nancy Adams 5:32:46. \$2.00 fee. Contact: West Texas Running Club, 907 W. 2nd, Odessa, Tex. 79763.
- **OIL CAPITAL** (4th annual), Tulsa, Oklahoma (Mohawk Park), 23 March (9 a.m.). Course: certified, 3.1-mile laps, flat. Record: 2:24:37.8, Larry Blancett '72. 1973 race: 44 finished, 1 under 2:30, 14 under 3:00, 33 under 3:30, 43 under 4:00; won by Terry Ziegler 2:26:48 and Geri Stormer 4:17:34. \$2.00 fee. Contact: Larry Aduddell, 4519 S. Kingston, Tulsa, Okla. 74135.
- **OREGON TRACK CLUB-NIKE** (4th annual), Eugene, Oregon (Alton Baker Park), October (?). Course: certified, no other details available. Record: 2:25:11, Jon Anderson and Steve Savage '72. 1973 race: 34 finished, 1 under 2:30, 12 under 3:00, 23 under 3:30, 34 under 4:00; won by George Oja 2:27:07 and Lili Ledbetter 3:03:32. Contact: Geoff Hollister, 855 Olive St., Eugene, Ore. 97401.
- **PAAVO NURMI** (6th annual), Upson to Hurley, Wisconsin, 10 August (8 a.m.). Course: certified, point-to-point. Record: 2:22:50.6, Lucien Rosa '73. 1973 race: 316 finished, 5 under 2:30, 76 under 3:00, 202 under 3:30, 280 under 4:00; won by Lucien Rosa 2:22:50.6 and Janice Arenz 3:49:45. \$3.00 fee. Contact: Hurley Chamber of Commerce, 203 Silver St., Hurley, Wisc. 54534.
- **PALOS VERDES** (8th annual), Palos Verdes Estates, California, May (?). Course: certification pending, point-to-point. Record: 2:25:23.2, Ron Kurrle '72. 1973 race: 499 finished, 35 under 3:00, 152 under 3:30, 340 under 4:00; won by Tom Howell 2:35:00 and Susan Maughan 3:39:12. Contact: Terry Wallace, Box 152, Palos Verdes Estates, Calif. 90274.
- **PAUL SMITHS** (new in 1974; replaces "Circle K-Kiwanis"), Paul Smiths, New York, 21 September (noon). Course: uncertified, 26-mile loop. Ages 17-up. \$3.00 fee. Contact: Tom Agan, Box 83, Paul Smiths, N.Y. 12970.
- **PEACH BOWL** (12th annual), Atlanta, Georgia (Westminster School), 28 December (noon). Course: certification pending, 2 laps. Record: 2:16:18, Neil Cusack '71. 1973 race: see "late news" section in back of booklet. \$2.00

fee (\$4.00 late). Contact: Tim Singleton, Dean of Men, Georgia State University, Atlanta, Ga. 30303.

● **PENN RELAYS** (2nd annual), Philadelphia, Pennsylvania (Fairmount Park), 22 Paril (11 a.m.). Course; certified, out-and-back three times. Record: 2:32:07, Karl Thornton '73. 1973 race: 29 finished, 12 under 3:00, 25 under 3:30, 28 under 4:00; won by Karl Thornton 2:32:07 and Eileen Diskin 4:00:34. Ages 16-up. \$3.00 fee. Contact: J.P. Tuppeny, Weightman Hall, University of Pennsylvania, Philadelphia, Pa. 19714.

● **PHILADELPHIA** (5th annual), Philadelphia, Pennsylvania (Fairmount Park), 1 December (noon). Course: certified, out-and-back, three times. Record: 2:26:44.6, Moses Mayfield '71. 1973 race: not reported. \$2.00 fee. Contact: Tom Sander, 515 W. Godfrey Ave., Philadelphia, Pa. 19126.

● **PIKE'S PEAK** (19th annual), Manitou Springs, Colorado, 11 August (7:30 a.m.). Course: uncertified, 26.8 miles, out-and-back, 7537 to 14,110 feet elevation and return. Record: 3:39:46, Rick Trujillo '73. 1973 race: 19 finished, 3 under 3:00, 5 under 4:30, 14 under 5:00; won by Rick Trujillo 3:39:46, \$3.00 fee. Contact: Rudy Fahl, 2400 W. Colorado Ave., Colorado Springs, Colo. 80904.

● **PLODDERS'** (9th annual), Avon, Massachusetts, May (?). Course: certified, 5 laps, flat. Record: 2:39:17, Earl McGilvery '73. 1973 race: 50 finished, 9 under 3:00, 35 under 3:30, 44 under 4:00; won by Earl McGilvery 2:39:17 (no women). Contact: William Hansbury, 218 Main St., Avon, Mass.

● **POLICE OLYMPICS** (8th annual), California, July (?). No further details available. 1973 race: 2 under 3:00, won by Ken Scalmanini 2:51:06. California police officers only. Contact: Bob Burke, 1800 N. Academy Dr., Los Angeles, Calif. 90012.

● **POWER** (2nd annual) formerly called "National Capital"), Washington, D.C. (Washington Monument), 27 October (10 a.m.). Course: certified, 3 laps, flat. Record: 2:22:33, Tom Fleming '73. 1973 race: 110 finished, 4 under 2:30, 26 under 3:00, 79 under 3:30, 103 under 4:00; won by Tom Fleming 2:22:33 (no women). \$2.00 fee. Contact: Lee Shelton, 15000 Bitterroot Way, Rockville, Md. 20853.

● **QUINCY** (4th annual), Quincy, Illinois, August (?). Course: certified, 4.3-mile laps. Record: 2:40:52, Ed Steinbraber '73. 1973 race: 25 finished, 7 under 3:00, 12 under 3:30, 16 under 4:00; won by Ed Steinbraber 2:40:52 and Sharon Cogbill 4:13:06. Contact: Steve Goers, 2501 Katherine Rd., Quincy, Ill. 62301.

● **RACE OF CHAMPIONS** (13th annual), Holyoke, Massachusetts, 9 June (noon). Course: certified, figure-8. Record: 2:38:14, Tom Derderian '72; 1973 race: 47 finished, 8 under 3:00, 25 under 3:30, 39 under 4:00; won by James Green 2:43:02.4 (no women). Contact: Walter Childs, Box 1484, Springfield, Mass. 01100.

● **RALEIGH** (8th annual; formerly called "Duraleigh"), Raleigh, North Carolina, 19 January (11 a.m.). courses: certified, 2 laps. Record: 2:22:32, Ed Hereford '73. 1973 race: 25 finished, 2 under 2:30, 12 under 3:00, 21 under

3:30, 24 under 4:00; won by Ed Hereford 2:22:32 (no women). Contact: Russell Combs, Dept. of Physical Education, North Carolina State University, Raleigh, N.C. 27607.

● REDWOOD EMPIRE (4th annual), Arcata, California, July (?). Course: uncertified, no other details available. Record: 2:24:59.6, Bill Scobey '71. 1973 race: 23 finished, 6 under 3:00, 18 under 3:30, 21 under 4:00; won by Mark Elias 2:32:06 and Irene Rudolf 3:29:10. Contact: Jim Hunt, Track Coach, California State University Humboldt, Arcata, Calif. 95521.

● RESURRECTION PASS TRAIL (4th annual), Hope, Alaska, 27 July (10 a.m.). Course: certification pending, out-and-back, 1500 feet of climbing. Record: 2:41:59, Chris Haines '73. 1973 race: 45 finished, 3 under 3:00, 11 under 3:30, 17 under 4:00; won by Chris Haines 2:41:59 and Marian May 3:25:16. \$2.00 fee. Contact: John Trent, 1700 Tudor Rd., Anchorage, Alaska 99507.

● ROAD RUNNER (6th annual), Gage, Oklahoma, May (?). Course: certified, out-and-back. Record: 2:29:59, Terry Ziegler '71. 1973 race: 16 finished, 1 under 3:00, 5 under 3:30, 10 under 4:00; won by Jim Ewing 2:53:20.8 (no women). Contact: John Froage, Gage, Okla. 73843.

● ROCHESTER (3rd annual), Rochester, New York (Central YMCA). Date: 2 September (10 a.m.). Course: certified, 6 miles out, 14-mile loop, back. Record: 2:36:11.6, Gerald Teal '72. 1973 race: 50 finished, 2 under 3:00, 22 under 3:30, 33 under 4:00; won by Dick Buerkle 2:51:41.2 and Alice Culhane 4:48:15. \$2.00 fee. Contact: Leonard Bagley, 88 Nettle Creek Rd., Fairport, N.Y. 14450.

● ROTARY SHAMROCK (2nd annual), Virginia Beach, Virginia, 16 March (10 a.m.). Course: certified, out-and-back, flat. Record: 2:43:31, Glen Logan '73. 1973 race: 38 finished, 6 under 3:00, 20 under 3:30, 31 under 4:00; won by Glen Logan 2:34:31 (no women). \$3.00 fee (\$3.50 late). Contact: Virginia Beach Rotary Club, Box 4218, Virginia Beach, Va. 23454.

● SAN MIGUEL (3rd annual), Mangilao to Tumon, Guam, 30 March (4 a.m.). Course: certified, point-to-point. Record: 3:16:16, John Uson '73. 1973 race: 7 finished, 2 under 3:30, 7 under 4:00; won by John Uson 3:16:16 (no women). Contact: Joe Lawton, University of Guam, Box EK, Agana, Guam 96910.

● SANTA BARBARA (10th annual), Santa Barbara, California (La Playa Stadium, 13 October (7:30 a.m.). Course: uncertified, out-and-back. Record: 2:28:43, Bill Scobey '73; 1973 race: 131 finished, 1 under 2:30, 25 under 3:00, 76 under 3:30, 109 under 4:00; won by Bill Scobey 2:28:43 and Donna Gookin 3:08:26. \$2.00 fee. Contact: John Brennand, 4476 Meadowlark Ln., Santa Barbara, Calif. 93105.

● SEATTLE (5th annual), Seattle, Wash., 30 November (11 a.m.). Course: certified, 2 laps, flat. record: 2:25:55, Wolf Schamberger '72. 1973 race: 65 finished, 12 under 3:00, 33 under 3:30, 54 under 4:00; won by Jim Pearson 2:33:45 and Donna Hoffman 3:56:13. \$2.00 fee. Contact: Ambrose Salmini, 4525 N.E. 124th St., Seattle, Wash 98125.

- SENIOR OLYMPICS (5th annual), Irvine, California, 2 June (7 a.m.). Course: uncertified, point-to-point, flat. Record: 2:35:58, Orville Atkins '73. 1973 race: 12 finished, 2 under 3:00, 7 under 3:30, 12 under 4:00; won by Orville Atkins 2:35:58 (no women). Ages 25- up; \$5.00 fee if first event in meet, \$3.00 for second, etc. Contact: Senior Sports International Inc., 5225 Wilshire Blvd., Suite 302, Los Angeles, Calif. 90036.
- SPOKANE (3rd annual), Spokane, Washington, September (?). Course: certified, out-and-back, flat. Record: 2:35:02, Gary Bryan '72. 1973 race: not reported. \$2.00 fee. Contact: Ken Hendrix, S. 1621 McDonald, tunity, Wash. 99612.
- SPOKANE EXPO (2nd annual), Spokane, Washington, May or June (?); Course: certified, out-and-back, flat. Record: 2:56:04, Pat Carey '73. 1973 race: won by Pat Carey 2:56:04. \$2.00 fee. contact: Ken Hendrix, 2. 1621 McDonald, Opportunity, Wash. 99216.
- SPORTS AND ARTS FESTIVAL (2nd annual), Santa Monica, California, August (?). Course: uncertified, no other details available. Record: 2:24:12.8, Bill Scobey '73. 1973 race: 212 finished, 1 under 2:30, 27 under 3:00, 101 under 3:30, 156 under 4:00; won by Bill Scobey 2:24:12.8 and Clare Choate 3:15:44. Contact: Maynard Law 1685 Main St., Santa Monica, Calif. 90401.
- THIRD OLYMPIAD MEMORIAL (2nd annual, St. Louis, Missouri, 3 March (8 a.m.). Course: certified, point-to-point. Record: 2:27:25, Bob Fitts '73. 1973 race: 88 finished, 1 under 2:30, 30 under 3:00, 62 under 3:30, 84 under 4:00. \$3.00 fee. Contact: Don Beckman, 1528 Locust St., St. Louis, Mo. 63103.
- TOUR OF ALBUQUERQUE (5th annual), Albuquerque, New Mexico, 20 October (8 a.m.), Course: uncertified, 26-mile circuit. Record: 2:27:16, Charles Harris '71. 1973 race: 34 finished, 7 under 3:00, 20 under 3:30, 26 under 4:00; won by Mike Mittelstaedt 2:37:43 (no women). \$2.50 fee (\$3.00 late). Contact: Gil Duran, Box 4071, Albuquerque, N.M. 87106.
- TRAIL'S END (5th annual), Seaside, Oregon, 23 February (11:30 a.m.). Course: certified, 26-mile loop. Record: 2:20:16.4, Jerry Tighe '73. 1973 race: 444 finished, 11 under 2:30, 92 under 3:00, 190 under 3:30, 289 under 4:00; won by Jerry Tighe 2:20:16.4 and Debbie Collins 3:27:15. \$3.00 fee. Contact: Seaside Chamber of Commerce, Box 7, Seaside, Ore. 97138.
- TRI STATES (9th annual), White Cloud, Kansas, to Falls City, Nebraska, 20 October (8 a.m.). Course: uncertified, point-to-point through three states. Record: 2:26:25, Greg Carlberg '71. 1973 race: 38 finished, 13 under 3:00, 26 under 3:30, 34 under 4:00; won by Greg Carlberg 2:33:07 (no women). \$2.00 fee. Contact: Louis Fritz, Verdon, Nebr. 68457.
- USTFF CHAMPIONSHIP (6th annual), Wichita, Kansas, 1 June (7:30 a.m.). Course: uncertified, no other details available. Record: 2:27:27, Terry Ziegler '72. 1973 race: 34 finished, 1 under 2:30, 6 under 3:00, 22 under 3:30, 28 under 4:00; won by Dennis Delmott 2:29:40.8 and Laura Shepherd 3:29:57. \$1.50 fee. Contact: Herman Wilson, Box 8084, Wichita State University, Wichita, Kans 67208.

- **WASHINGTON'S BIRTHDAY** (13 annual), Beltsville, Maryland (National Agricultural Research Center), 17 February (1 p.m.). Course: certified, 3 laps. record: 2:24:17.8, Marshall Adams '73. 1973 race: 169 finished, 3 under 2:30, 53 under 3:00, 115 under 3:30, 156 under 4:00; won by Marshall Adams 2:24:17.8 and Teri Johnson 3:57:40. \$2.00 fee (\$3.00 late). Contact: William Mish, 5614 Duchaine, Dr., Lanham, Md. 20801.
- **WESTERN HEMISPHERE** (27th annual), Culver City, California, 1 December (8 a.m.). Course: certified, 6-mile lap, out-back 14 miles, 6-mile lap. Record: 2:15:21, Bill Scobey '71. 1973 race: 10 under 2:30, 109 under 3:00; won by Raimo Paukkonen 2:16:31.6 and Miki Gorman 2:46:36. \$3.00 fee. Contact: Carl Porter, 4117 Overland Ave., Culver City, Calif. 90230.
- **WEST VALLEY** (4th annual), San Mateo, California (San Mateo High School), 10 February (9 a.m.). Course: certified, 5-mile laps plus 1.2 at end, flat. Record: 2:17:22.2, Alvaro Mejia '72. 1973 race: 177 finished, 6 under 2:30, 65 under 3:00, 116 under 3:30, 148 under 4:00; won by Ron Zarate 2:23:15.4 and Mary Cortez 3:35:30. \$1.50 or \$2.00 fee. Contact: Jack Leydig, West Valley Track Club, Box 1551, San Mateo, Calif. 94401.
- **WHITE ROCK** (4th annual), Dallas, Texas (White Rock Lake Park), 23 February (9 a.m.). Course: certification pending, 3 laps. Record: 2:23:18, Paul Hoffmann '72. 1973 race: 107 finished, 14 under 3:00, 33 under 3:30, 69 under 4:00; won by Wayne Comer 2:37:45 and Patricia Price 4:27:45. \$3.00 fee. Contact: Ralph Taite, 6891 Avalon, Dallas, Texas 75214.
- **WHITEWATER** (7th annual), Whitewater, Wisconsin, 7 July (5 a.m.). Course: certified, 15-mile and 4-mile loops, repeat portions, flat. Record: Jim Vedder '70. 1973 race: 65 finished, 17 under 3:00, 48 under 3:30, 62 under 4:00; won by Tom Hoffman 2:33:51 and Jeanne Crandall 3:40:19. Contact: Rex Foster, Route 4, Whitewater, Wisc 53190.
- **WINDY** (5th annual), Indianapolis, Indiana (Eagle Creek Park), 9 March (noon). Course: uncertified, out, 5½-mile loop, back. Record: 2:29:18, John Lesch '71. 1973 race: 37 finished, 6 under 3:00, 25 under 3:30, 29 under 4:00; won by Steve Goldberg 2:44:47 (no women). \$2.00 fee. Contact: Carl Carey, Route 5, Greencastle, Ind. 46135.
- **WORLD MASTERS** (4th annual), Orange, California, 27 January (7:30 a.m.). Course: uncertified, 26-mile loop, flat. Record: 2:22:35, Mark Covert '72. 1973 race: 184 finished, 2 under 2:30, 27 under 3:00, 78 under 3:30, 130 under 4:00; won by Ron Kurrle 2:26:08 and Gloria Bassler 4:22:38. \$3.00 fee. Contact: Bill Selvin, Box 5694, Orange, Calif. 92667.
- **YONKERS** (38th annual), Yonkers, New York (Yonkers Raceway), 2 June (noon). Course: certified, 4 laps. Record: 2:20:13.6, John Kelley '60. 1973 race: 164 finished, 3 under 2:30, 68 under 3:00, 125 under 3:30, 163 under 4:00; won by Norbert Sander 2:25:56.2 and Nina Kuscsik 2:58:50. No fee. Contact: Mel Goldberg, Yonkers Raceway, Yonkers, N.Y. 10704.

Canada

- ALBERTA (6th annual), Calgary, Alberta, 15 April (9 a.m.). Course: no details available. record: 2:32:48, Wolf Schamberger '73. 1973 race: 10 finished, 7 under 3:00, 9 under 3:30, 10 under 4:00; won by Wolf Schamberger 2:32:48 (no women). Contact: Lawrence King, 816 Canna Cres., Calgary, Alberta, Canada.
- BOARDWALK (8th annual), Toronto, Ontario, 15 September. Course: out-and-back, flat. Record: 2:30:23, Jonh Cliff '72. 1973 race: 17 finished, 8 under 3:00, 15 under 3:30, 17 under 4:00; won by Orville Atkins (no women). Contact: John Dovaston, 135 Parkhome Ave., Willowdale, Ontario, Canada.
- CANADA DAY (4th annual), Toronto, Ontario, July (?). Course: 6-mile laps, flat. Record: 2:37:47, Lorne Buck '72. 1973 race: 39 finished, 4 under 3:00, 23 under 3:30, 35 under 4:00; won by Dave Viney no time and Judy Kazdan 4:33:15. Contact: Lorne Buck, 19 Avonmore Sq., Scarboro, Ontario, Canada.
- CANADIAN CHAMPIONSHIP, Brantford, Ontario, 28 September (6 p.m.). Course: no details available. Record: 2:13:26.8, Jerome Drayton '73. 1973 race: 22 finished, 13 under 2:30, 20 under 3:00, 22 under 3:30; won by Jerome Drayton 2:13:26.8 (no women). Contact: Brantford Track and Field Club, Box 1172, Brantford, Ontario, Canada.
- ILE D'ORLEANS (new in 1974), Ile D'Orleans, Quebec, 13 October. No other details available. Contact: Jean Guy Cote, 26 rue Goudrenault, St. Brigitte De Laval, Quebec, Canada.
- LIONS GATE INTERNATIONAL (3rd annual), Vancouver, British Columbia, May (?). Course: 5.2-mile laps. Record: 2:21:45.2, Tom Howard '73. 1973 race: 53 finished, 9 under 2:30, 26 under 3:00, 37 under 3:30, 53 under 4:00; won by Tom Howard 2:21:45.2 and Debbie Collins 3:24:38.4. Contact: Jack Taunton, 604, 1330 Harwood St., Vancouver, 5, B.C., Canada.
- MANITOBA (new in 1974), Winnipeg, Manitoba, date pending. No other details available. Contact: Rick Bourrier, 1244 Mathers Ave., Winnipeg 9, Manitoba, Canada.
- METRO TORONTO ROAD RUNNERS (4th annual), Toronto, Ontario, 12 May (11 am). Course: not yet designed. Record and 1973 race not reported. \$2.00 fee (\$4.00 late). Contact: Mike Freeman, 154 Cactus Ave., No. 57, Willowdale, Ontario, Canada.
- MONTREAL (2nd annual), Montreal, Quebec, 17 March. Course: out-and-back, 1976 Olympic route. Record and 1973 race: not reported. Ages 18-up. \$2.00 fee. Contact: Michel Rose 12-232 Armand Bombardier, Montreal 476, Quebec, Canada.
- NOVA SCOTIA (6th annual), Shelburne, Nova Scotia, September (?). Course: no details available. Record: 2:46:36, Randy Barkhouse '72. 1973 race: not reported. Contact: Ron Jefferson, Box 400, Shelburne, Nova Scotia, Canada.

- OKTOBERFEST (3rd annual), Kitchener-Waterloo, Ontario, 12 October (1 p.m.). Course: out, 12-mile loop, back. Record: 2:27:01.8, Arthur Taylor '73. 1973 race: 42 finished, 2 under 2:30, 13 under 3:00, 31 under 3:30, 40 under 4:00; won by Arthur Taylor 2:27:01.8 (no women). \$2.00 fee. Contact: Race Director, Waterloo Family Y, 145 Lincoln Rd., Waterloo, Ontario, Canada.
- ONTARIO (new in 1974), Toronto area, 26 May (8 a.m.). No other details available. Contact: Chris Pickard, Box 612, Station F, Toronto, Ontario, Canada.
- POLICE INTERNATIONAL (7th annual), Toronto, Ontario (Exhibition Stadium), 27 July (9 a.m.). Course: 26-mile loop. Record: 2:30:48, Gerald Teal '71. 1973 race: 3 under 3:00; won by Dan Anderson 2:41:18.2. \$1.00 fee. Contact: D.R. McBrien, Metropolitan Toronto Police, 590 Jarvis St., Toronto, Ontario, Canada.
- ST. HYACINTHE (28th), St. Hyacinthe, Quebec, 30 June. Course: 4 laps. Record: 2:19:24, Ron Wallingford '66. 1973 race: not held. Contact: Gerard Cote, Le Courrier, C.P. 340, St. Hyacinthe, Quebec, Canada.
- ST. JOACHIM (new in 1974), St. Joachim, Quebec, 2 June. No other details available. Contact: Michel Rose 12232 Armand Bombardier, Montreal 476, Quebec, Canada.

Great Britain

This list, compiled by photographer and head of the *RW* European office Mark Shearman, includes all major British races 20 miles and above. (Note in entry fees that 1p equals 2.4 US cents.)

- SPENBOROUGH 20-MILE, 31 March (2 p.m.). 15p fee. Entries close 17 March. Contact: F. Wheeler, 16 Woodview Ave., Tong Park, Baildon Shipley, Yorks.
- FINCHLEY 20-MILE (incorporating Southern, Bucks, Middlesex, Berks championships), 20 April (2 p.m.). 25p fee. Entries close 8 April. Contact: A. Chidley, 9 Conway Gardens, Wembley, Middlesex.
- EPSOM TRACK 40-MILE, 27 April (9:30 a.m.). Invitational. No entry fee. Contact: J. Dixon, 9 Lyncroft Gardens, Ewell, Epsom, Surrey.
- RUGBY OPEN MARATHON, 4 May (2 p.m.). 40p fee. Entries close 22 April. Contact: R. Bridges, 19 Rainsbrook Ave., Rugby, Warwickshire.
- PEMBROKE 20-MILE, 18 May (3 p.m.). 25p fee. Entries close 4 May. Contact: A. Napier, 117 Taunton Dr., Aintree, Liverpool, Lancs.
- ISLE OF MAN 40-MILE, 27 May (11 a.m.). 10p fee. Contact: A. Currie, 7 St. Ninians Rd., Douglas, Isle of Man.
- MAXOL INTERNATIONAL MARATHON, Manchester (incorporating RRC championship), 2 June. Contact: V. Gutteridge, 42 Withy Croft, George Glen, Slough, Bucks.



- BELGRAVE 20-MILE (incorporating Surrey championship), 20 July. (3 p.m.). Contact: G. Biscoe, 34 Pams Way, Ewell, Surrey.
- WOODFORD TO SOUTHEND 37½-MILE, 27 July (9:30 a.m.). 25p fee. Entries close 13 July. Contact: J. Fenn, 27 Cleveland Rd., South Woodford E18 2AN.
- POLYTECHNIC MARATHON (incorporating Southern championships), 17 August (2:45 p.m.). 50p fee. Entries close 21 July. Contact: P. Price, 60 Pembroke Rd., London E. 17.
- SOUTH LONDON HARRIERS 30-MILE, 7 September (2:30 p.m.). 35p fee. Entries close 27 August. Contact: M. Laker, 11 Woodmansterne Rd., Coulsdon, Surrey.
- LONDON TO BRIGHTON 52½-mile, 29 September (7 a.m.). 50p fee. Entries close 9 September. Contact: M. Tomlins, 56 Squires Lane, London N3.
- HARLOW MARATHON, 26 October (1:30 p.m.). 30p fee. Entries close 14 October. Contact: T. Drady, 78 The Maples, Harlow, Essex.
- NEWPORT TO TREDEGAR 22-MILE, 21 December (1 p.m.). 25p fee. Entries close 16 December. Contact: B. Baldwin, 9 Campbell Terrace, Mountain Ash, Glamorgan.

LEFT: Leading British marathoner of 1973, Ian Thompson, who ran 2:12:40 in his first race at the distance and won the national championship. (Mark Shearman photo)

MARATHON DATES

UNITED STATES

JANUARY

- 12 Mission Bay, San Diego, Calif.
- 12 North Texas, Denton, Tex.
- 19 Raleigh, NC
- 20 Jersey Shore, Asbury Park, NJ
- 27 Gold Coast, Boca Raton, Fla.
- 27 World Masters, Orange, Calif.

FEBRUARY

- 2 Ground Hog, Morrilton, Ark.
- 2 Las Vegas, Nev.
- 2 Mardi Gras, New Orleans, La.
- 9 Ariz. Admissions Day, Tucson, Ariz.
- 10 AAU Women's, San Mateo, Calif.
- 10 West Valley, San Mateo, Calif.
- 16 Eastern New Mexico, Portales
- 17 Knoxville TC, Tenn.
- 17 Nittany Valley, State College, Pa.
- 17 Washington's Birthday, Beltsville
- 23 Trail's End, Seaside, Ore.
- 23 White Rock, Dallas, Tex.
- 24 Chicago, Ill.
- ? Hinsdale Central, Ill.

MARCH

- 3 Third Olympiad, St. Louis, Mo.
- 9 Detroit News, Detroit, Mich.
- 9 Windy, Indianapolis, Ind.
- 10 Athens, Ohio
- 16 Rotary Shamrock, Va. Beach, Va.
- 17 Earth Day, Westbury, NY
- 18 Florida, Ft. Myers, Fla.
- 23 Oil Capital, Tulsa, Okla.
- 24 Boston Qualifier, Ithaca, NY
- 24 Marathon of Lakes, San Martin
- 24 Heart-Watchers, Toledo, Ohio
- 30 Florida Relays, Gainesville
- 30 San Miguel, Guam
- ? Conn. AAU, Middleton, Conn.

APRIL

- 6 City of Los Angeles, Calif.
- 6 Hawaiian, Maui, Hawaii
- 7 K. of C., Cupertino, Calif.
- 7 Northern Iowa, Cedar Falls
- 13 Birch Bay, Blaine, Wash.
- 15 Boston AA, Boston, Mass.
- 20 Kansas Relays, Lawrence
- 23 Penn Relays, Philadelphia
- 27 Drake Relays, Des Moines
- 27 March of Dimes, Roseburg
- ? Laguna Lake, San Luis Obispo, Calif.

MAY

- 5 Ave. of Giants, Weott, Calif.
- 11 Champlain Valley, Plattsburgh, NY
- 25 Golden Gate, San Francisco, Calif.
- 26 Mile-High, Denver, Colo.
- 27 Lone Peak, Draper, Utah
- ? First Trust, Liverpool, NY
- ? NAIA Championship
- ? Palos Verdes, Calif.
- ? Plodders, Avon, Mass.
- ? Road Runner, Gage, Okla.
- ? Spokane Expo, Wash.

JUNE

- 1 Juneau, Alaska
- 1 USTFF, Wichita, Kans.
- 2 AAU Men's, Yonkers, NY
- 2 Senior Olympics, Irvine, Calif.
- 8 Mackinaw Trails, Saginaw, Mich.
- 9 Race of Champs, Holyoke, Mass.
- 16 Glass City, Toledo, Ohio
- 22 Marathon, Terre Haute, Ind.
- 29 Breckenridge, Mich.
- 29 Freedom, Monticello, Ill.
- ? All-American Mayfair, Milwaukee
- ? Cyclone Country, Ames, Iowa

JULY

- 7 AAU Masters', Portland, Ore.
- 7 Whitewater, Wisc.
- 10 Kalispell, Mont.
- 13 Mountain, Grandfather, NC
- 24 Deseret News, Salt Lake City
- 27 Resurrection, Hope, Alaska
- ? Irish Day, Pittsburgh, Pa.
- ? Police Olympics, California
- ? Redwood Empire, Arcata, Calif.

AUGUST

- 3 Ocean-Bay, Belmont, Calif.
- 10 Paavo Nurmi, Hurley, Wisc.
- 11 Pike's Peak, Manitou Springs, Colo.
- 17 Greensboro-Winston Salem, NC
- ? Andy Payne, Weathersford
- ? Quincy, Ill.
- ? Sports & Arts, Santa Monica

SEPTEMBER

- 2 Heart of America, Columbia, Mo.
- 2 Rochester, NY
- 21 Equinox, Fairbanks
- 21 Paul Smiths, NY

- 28 Andrew Jackson, Tenn.
- 29 New York City, NY
- ? Spokane, Wash.

OCTOBER

- 6 Canton, Ohio
- 13 Covered Bridge, Winterset
- 13 Finger Lakes, Marathon, NY
- 13 Santa Barbara, Calif.
- 20 Land of Lakes, Minn.
- 20 Tour of Albuquerque, NM
- 20 Tri-States, Falls City, Neb.
- 27 Atlantic City, NJ
- 27 Motor City, Detroit, Mich.
- 27 Power, Washington, DC
- ? Bay State, Framingham, Mass.
- ? Linn Tech, Linn, Mo.
- ? Oregon TC, Eugene, Ore.

NOVEMBER

- 3 Harrisburg National, Pa.
- 16 Longest Day, Brookings, SD
- 23 American Natl., Galveston, Tex.
- 23 Island, Portland, Ore.
- 30 Mel Vos, Topeka, Kans.
- 30 Seattle, Wash.
- ? Cheney, Wash.
- ? Grand Valley, Mich.
- ? Maryland, Baltimore, Md.

DECEMBER

- 1 North Central, Naperville, Ill.
- 1 Philadelphia, Pa.
- 1 Western Hemis., Culver City
- 7 Livermore, Calif.
- 14 Holiday, Pueblo, Colo.
- 14 Madera, Calif.
- 14 Odessa, Tex.
- 15 Delaware, Wilmington
- 15 Dixon, Chester, Pa.
- 20 Fiesta Bowl, Scottsdale, Ariz.
- 27 Melbourne, Fla.
- 28 Houston, Tex.
- 28 Peach Bowl, Atlanta, Ga.
- ? Deerfield Beach, Fla.
- ? Honolulu, Hawaii

CANADA

MARCH

- 17 Montreal, Que.

APRIL

- 15 Alberta, Calgary, Alta.

MAY

- 12 Metro Toronto RR, Toronto

- 26 Ontario, Toronto area
- ? Lions Gate, Vancouver, BC

JUNE

- 2 St. Joaquin, Que.
- 30 St. Hyacinthe, Que.

JULY

- 27 Police Intl., Toronto
- ? Canada Day, Toronto, Ont.

SEPTEMBER

- 15 Boardwalk, Toronto, Ont.
- 28 Canadian Ch., Brantford, Ont.
- ? Nova Scotia, Shelburne, N.S.

OCTOBER

- 12 Oktoberfest, Waterloo, Ont.
- 13 Ile D'Orleans, Que.

DATE PENDING

- ? Manitoba, Winnipeg, Man.

MAJOR INTERNATIONAL

FEBRUARY

- 2 Commonwealth, Christchurch
- 6 Beppu-Mainichi, Japan
- 6 Kyoto, Japan

APRIL

- 1 Turku, Finland
- 6 Marathon-Athens, Greece
- 25 Varese, Italy

MAY

- 5 Karl Marx Stadt, E.G.
- 11 Maasluis, Netherlands
- 19 Ankara, Turkey
- ? World Vets, Draveil, France

JUNE

- 2 Maxol, Manchester, England
- 16 Debno, Cedynia, Poland

JULY

- 6 Rotterdam, Netherlands
- 21 Szeged, Hungary

SEPTEMBER

- 8 European, Rome, Italy
- 17 Berchem, Belgium

OCTOBER

- 6 Kosice, Czechoslovakia
- 23 Novi Sad, Yugoslavia
- 31 Budapest, Hungary

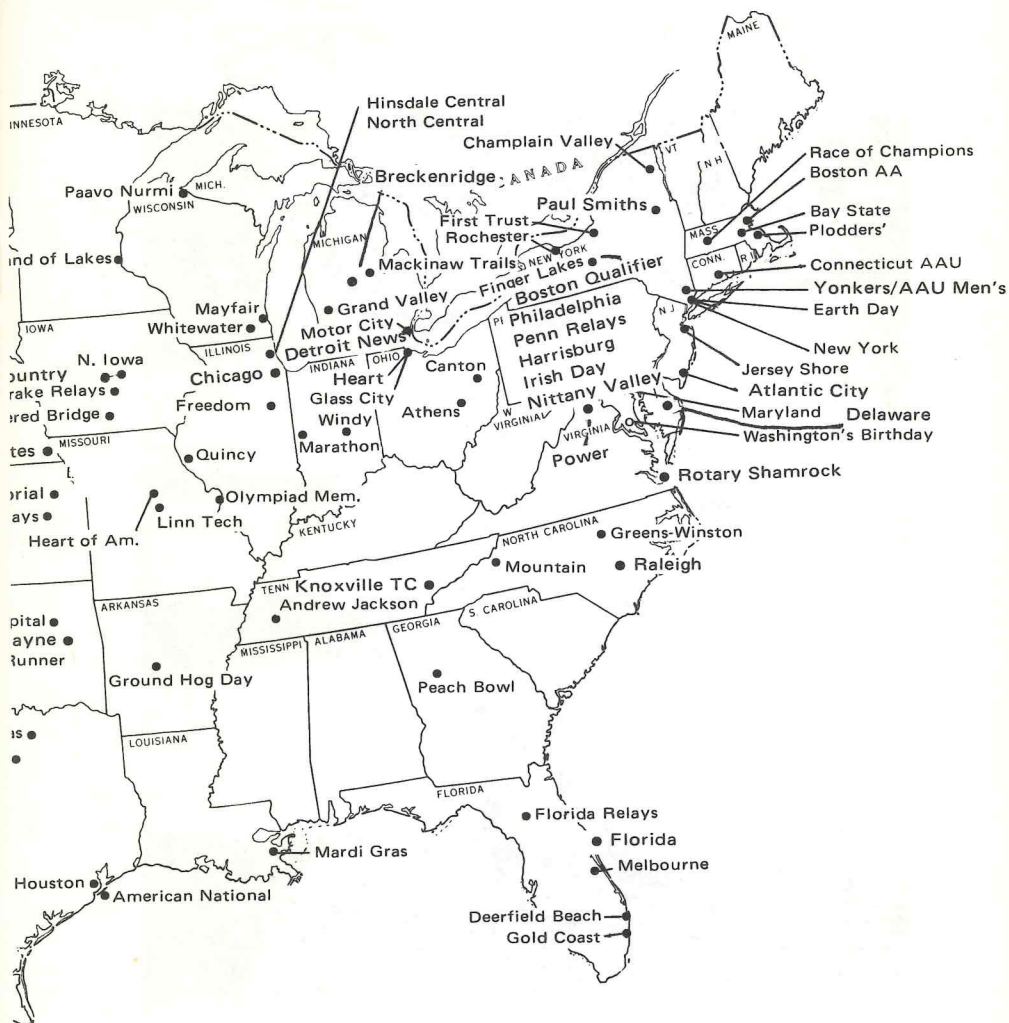
DECEMBER

- 3 Fukuoka, Japan

UNITED STATES MAR

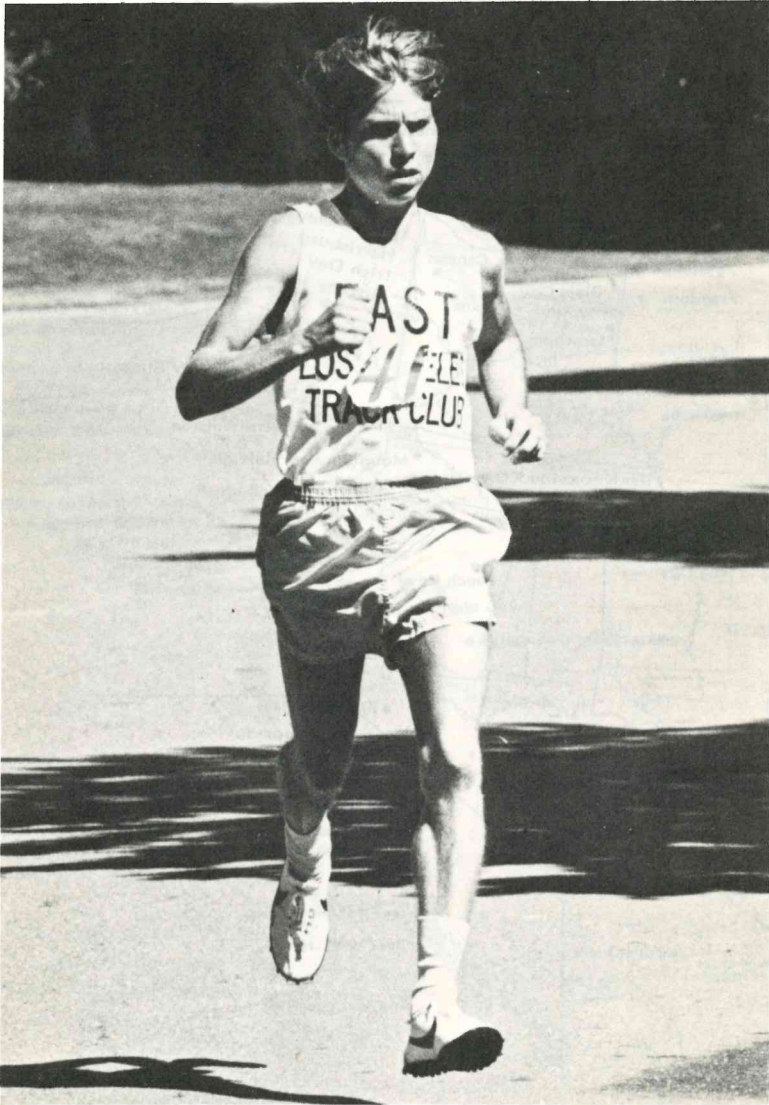


ATHON MAP — 1974



Chapter III

THE TIMES



A magic mark in marathoning is two hours 20 minutes.

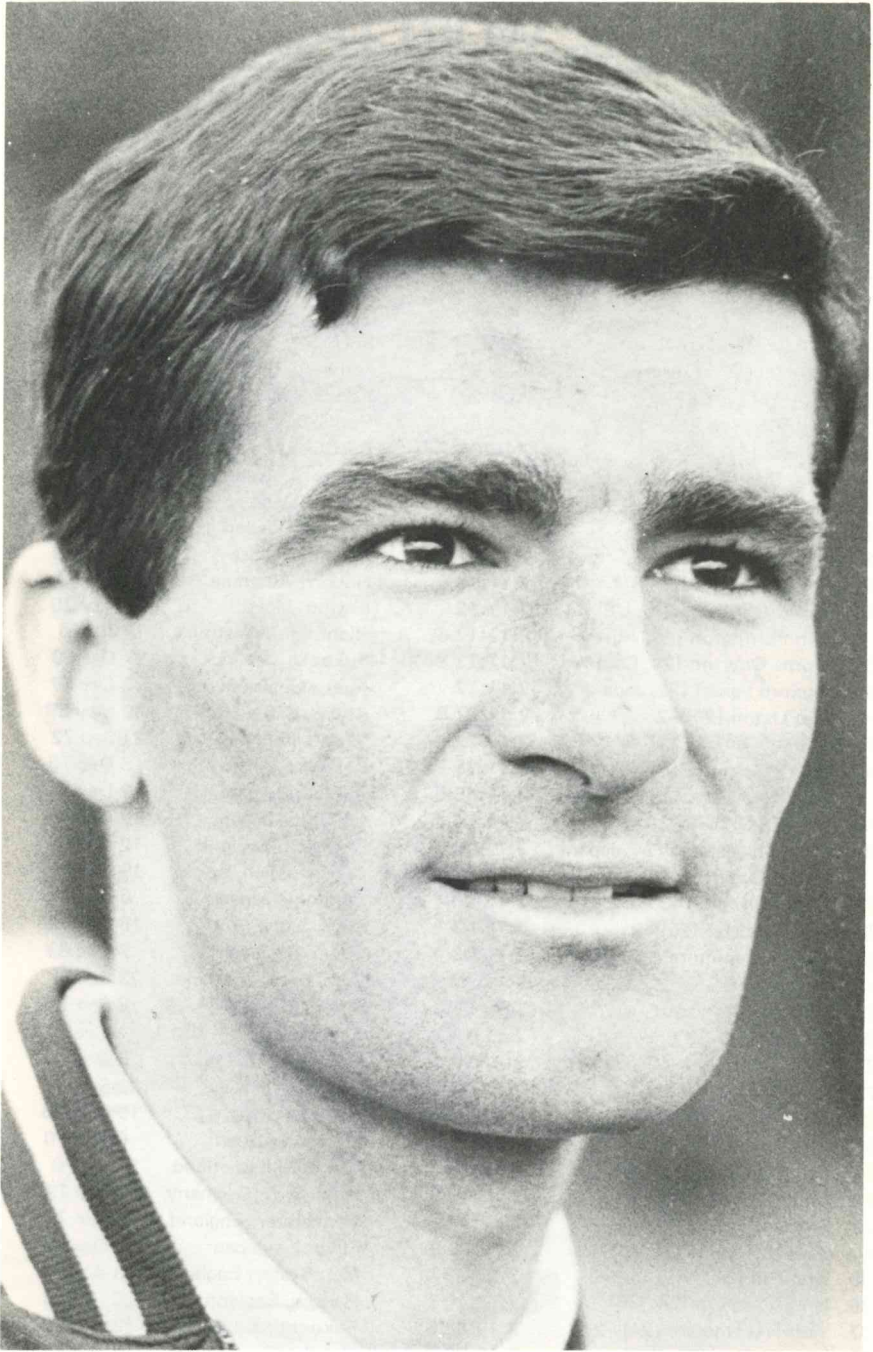
ALL-TIME WORLD LIST COMPILED BY ROGER GYNN

No new time from 1973 made it into the top 10. But on down through the all-time list, fresh marks contributed to the steady upgrading of standards.

It now takes a time under 2:14:30 to rate among the top 100 performances in history. Last year the top figure was 2:14:47. In addition to those 100 performances, we're also including all other runners who've broken 2:15.

See the "late news" section in the back of the booklet for possible additions or corrections.

NAME (AGE, NATION)	TIME	SITE	DATE
1. Derek Clayton (26, Aus)	2:08:33.6	Antwerp, Belgium	30 May 69
2. Ron Hill (21, GB)	2:09:28	Edinburgh, Scotland	28 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
Frank Shorter (25, US)	2:10:30	Fukuoka, Japan	2 Dec 72
6. Akio Usami (27, Japan)	2:10:37.8	Fukuoka, Japan	6 Dec 70
7. Bill Adcocks (27, GB)	2:10:47.8	Fukuoka, Japan	8 Dec 68
8. Bill Adcocks (27)—2	2:11:07.2	Athens, Greece	6 Apr 69
9. Derek Clayton (29)—3	2:11:08.8	Hobart, Australia	25 Sep 71
10. Eamon O'Reilley (25, US)	2:11:12	Boston, Mass.	20 Apr 70
11. John Farrington (31, Aus)	2:11:12.6	Richmond, Australia	14 Jul 73
12. Jerome Drayton (24, Can)	2:11:12.8	Fukuoka, Japan	7 Dec 69
13. Seichiro Sasaki (22, Japan)	2:11:17	Fukuoka, Japan	3 Dec 67
14. Akio Usami (25)—2	2:11:27.8	Antwerp, Belgium	30 May 69
15. Vladimir Bugrov (27, SU)	2:11:32	Minsk, USSR	21 Sep 72
16. Kenny Moore (27, US)	2:11:35.8	Fukuoka, Japan	6 Dec 70
17. Frank Shorter (26)—2	2:11:45.0	Fukuoka, Japan	2 Dec 73
18. Ron Hill (31)—3	2:11:54.4	Fukuoka, Japan	7 Dec 69
19. Morio Shigematsu (24, Japan)	2:12:00	Chiswick, England	12 Jun 65
Jerome Drayton (24)—2	2:12:00	Detroit, Mich.	19 Oct 69
21. John Farrington (30)	2:12:00.4	Fukuoka, Japan	3 Dec 72
22. Frank Shorter (25)—3	2:12:03	Otsu, Japan	18 Mar 73
23. Hayami Tanimura (25, Japan)	2:12:03.4	Fukuoka, Japan	7 Dec 69
24. Jim Alder (30, GB)	2:12:04	Edinburgh, Scotland	23 Jul 70
25. Derek Clayton (30)—4	2:12:07.6	Perth, Australia	8 Sep 73
26. Abebe Bikila (32, Ethiopia)	2:12:11.2	Tokyo, Japan	21 Oct 64
27. Yoshiaki Unetani (26, Japan)	2:21:12	Fukuoka, Japan	6 Dec 70
28. John Farrington (29)—3	2:12:14	Hobart, Australia	25 Sep 71
29. Bill Adcocks (26)—3	2:12:16.8	Karl Marx Stadt, EG	19 May 68
30. Jack Foster (38, NZ)	2:12:17.8	Fukuoka, Japan	6 Dec 70
31. Don Faircloth (21, GB)	2:12:19	Edinburgh, Scotland	23 Jul 70
32. Frank Shorter (24)—2	2:12:19.8	Munich, W. Germany	10 Sep 72
33. Eckhard Lesse (24, EG)	2:12:24	Manchester, England	3 Jun 73
34. Dave McKenzie (24, NZ)	2:12:25.8	Fukuoka, Japan	3 Dec 67
35. Ron Hill (32)—4	2:12:39	Manchester, England	13 Jun 71
36. Ian Thompson (24, GB)	2:12:40	Harlow, England	27 Oct 73
37. Yoshiaki Unetani (24)—2	2:12:40.6	Fukuoka, Japan	8 Dec 68
38. Lutz Philipp (31, WG)	2:12:50	Manchester, England	4 Jun 72
39. Frank Shorter (24)—5	2:12:50.4	Fukuoka, Japan	5 Dec 71
40. Ron Hill (33)—5	2:12:51	Manchester, England	4 Jun 72
41. Pablo Garrido (31, Mexico)	2:12:52.8	Fukuoka, Japan	7 Dec 69



The world's fastest marathoner—Derek Clayton. (Shearman)

42. John Farrington (28)—4	2:12:58.4	Fukuoka, Japan	6 Dec 70
43. Toshiharu Sasaki (23, Japan)	2:13:06.4	Fukuoka, Japan	7 Dec 69
44. Karel Lismont (22, Bel)	2:13:09	Helsinki Finland	15 Aug 71
45. Igor Shcherbak (28, SU)	2:13:16.2	Uzhgorod, USSR	29 Apr 72
46. Eckhard Lesse (23)—2	2:13:19.4	Karl Marx Stadt, EG	29 Apr 72
47. Akio Yoshida (24, Japan)	2:13:21	Fukuoka, Japan	7 Dec 69
48. Ron Hill (35)—6	2:13:22	Harlow, England	27 Oct 73
49. Akio Usami (28)—3	2:13:22.8	Fukuoka, Japan	5 Dec 71
50. Seiichiro Sasaki (22)—2	2:13:23.8	Beppu, Japan	44 Feb 68
51. Yoshinobu Kitayama (24, Jpn)	2:13:24	Otsu City, Japan	18 Mar 73
52. Kenji Kimihara (28, Japan)	2:13:25.8	Athens, Greece	6 Apr 69
53. Nicolae Mustata (27, Rum)	2:13:26.2	Karl Marx Stadt, EG	19 May 68
54. Jerome Drayton (28)—3	2:13:26.8	St. Johns, Canada	15 Sep 73
55. Trevor Wright (24, GB)	2:13:27	Manchester, England	13 Jun 71
56. Kenny Moore (26)—2	2:13:27.8	Fukuoka, Japan	7 Dec 69
57. Yoshinobu Kitayama (24)—2	2:13:29	Manchester, England	3 Jun 73
58. Brian Armstrong (24, Can)	2:13:30	Manchester, England	3 Jun 73
59. Bill Adcocks (29)—4	2:13:32	Fukuoka, Japan	6 Dec 70
60. Kenji Kimihara (25)—2	2:13:33.4	Beppu, Japan	5 Feb 67
61. Tadaaki Ueoka (26, Japan)	2:13:37.6	Fukuoka, Japan	8 Dec 68
62. Seiichiro Sasaki (21)—3	2:13:38.6	Beppu, Japan	5 Feb 67
63. Derek Clayton (27)—5	2:13:39	Traralgon, Aus.	6 Jun 70
64. Brian Armstrong (25)—2	2:13:39.2	St. Johns, Canada	15 Sep 73
65. Toru Terasawa (30, Japan)	2:13:41	Chiswick, England	12 Jun 65
66. Ron Hill (30)—7	2:13:42	Manchester, England	20 Jul 69
67. Jack Foster (39)—2	2:13:42.4	Fukuoka, Japan	5 Dec 71
68. Brian Armstrong (25)—3	2:13:43.4	Fukuoka, Japan	2 Dec 73
69. Ismail Akcay (26, Turkey)	2:13:43.6	Fukuoka, Japan	8 Dec 68
70. Alastair Wood (33, GB)	2:13:45	Forres, Scotland	9 Jul 66
Akio Usami (27)—4	2:13:45	Manchester, England	23 Aug 70
72. Jurgen Busch (25, EG)	2:13:45.2	Karl Marx Stadt, EG	19 May 68
Hayami Tanimura (27)—2	2:13:45.2	Kyoto, Japan	7 Feb 71
74. Bill Adcocks (28)—5	2:13:46	Otsu, Japan	12 Apr 70
Tadaaki Ueoka (28)—2	2:13:46	Fukuoka, Japan	6 Dec 70
76. Akio Usami (24)—5	2:13:49	Otsu, Japan	14 Apr 68
Yoshiaki Unetani (24)—3	2:13:49	Boston, Mass.	21 Apr 69
78. Akio Usami (24)—6	2:13:51.8	Fukuoka, Japan	8 Dec 68
79. Eckhard Lesse (25)—3	2:13:53.8	Fukuoka, Japan	3 Dec 73
80. Basil Heatley (30, GB)	2:13:55	Chiswick, England	13 Jun 64
81. Ferdy le Grange (24, S Afr)	2:13:58	Manchester, England	3 Jun 73
82. Vladimir Moseyev (31, SU)	2:13:59	Uzgorod, USSR	29 Apr 72
83. Trevor Wright (24)—2	2:13:59.6	Helsinki, Finland	15 Aug 71
84. Kenichi Otsuki (Japan)	2:14:00.6	Fukuoka, Japan	3 Dec 72
85. Seppo Nikkari (24, Fin)	2:14:02.8	Fukuoka, Japan	3 Dec 72
86. Jurgen Busch (28)—2	2:14:03	Manchester, England	13 Jun 71
87. Tadaaki Ueoka (26)—3	2:14:03.2	Beppu, Japan	2 Feb 69
88. Mike Ryan (24, NZ)	2:14:04.6	Fukuoka, Japan	27 Nov 66
89. H. Hiroshima (29, Japan)	2:14:05.2	Fukuoka, Japan	27 Nov 66
90. Yoshiaki Morita (25, Japan)	2:14:06	Manchester, England	3 Jun 73
91. Gilbert Gauthier (35, France)	2:14:08	Berchem, Belgium	18 Sep 70
92. Dave McKenzie (29)—2	2:14:11.2	Dunedin, New Zealand	11 Mar 72
93. Ron Hill (25)—8	2:14:12	Chiswick, England	13 Jun 64
94. Reino Paukkonen (27, Fin)	2:14:14.2	Helsinki, Finland	15 Sep 73
95. Jim Adler (27)—2	2:14:14.4	Karl Marx Stadt, EG	19 May 68

96. Yoshiaki Unetani (25)—4	2:14:19	Otsu, Japan	12 Apr 70
97. Yoshiaki Unetani (23)—5	2:14:24	Otsu, Japan	14 Apr 68
98. Bud Edelen (25, US)	2:14:28	Chiswick, England	15 Jun 63
Yuriy Volkov (32, SU)	2:14:28	Fukuoka, Japan	6 Dec 70
100. Amby Burfoot (22, US)	2:14:28.8	Fukuoka, Japan	8 Dec 68

Others Under 2:15

2:14:33 Brenton Norman (28, Aus) 73	2:14:52 Y. Belete (24, Ethiopia) 1972
2:14:38 Jeff Julian (34, NZ) 1969	2:14:52 H. Okabe (24, Japan) 1966
2:14:40 M. Futsuhara (29, Japan) 1967	2:14:53 P. McMahan (28, Ire) 1970
2:14:43 Brian Kilby (25, GB) 1963	2:14:59 P. Rummakko (26, Fin) 1970
2:14:44 K. Yamashita (25, Japan) 1968	2:14:59 G. Toth (31, Hungary) 1968

1973 WORLD LIST — CONTINUED

2:19:00 to 2:19:59

2:19:01 Vladimir Moiseyev (SU)	2:19:35 Moon Heung Jr (S Kor)
2:19:04 Bob Sercombe (GB)	2:19:36 Shigeki Seri (Japan)
2:19:05 Henry Jonsson (Swe)	2:19:37 Wilfried Irmen (WG)
2:19:10 Bob Moore (Can)	2:19:39 Jim Craven (GB)
2:19:12 Vasilii Shalyminov (SU)	2:19:41 Giuseppe Cindolo (It)
2:19:14 Tadaaki Ueoka (Japan)	2:19:42 Barry Watson (GB)
2:19:22 Paavo Hyronen (Fin)	2:19:42 Cyril Leigh (GB)
2:19:27 Nobuyoshi Takata (Japan)	2:19:43 Max Holmnas (Fin)
2:19:29 Vaclav Mladek (Cze)	2:19:43 Ronald Schwert (EG)
2:19:30 John Newsome (GB)	2:19:50 Cavin Woodward (GB)
2:19:31 Ulrich Hutmacher (WG)	2:19:53 Bryan Rose (NZ)
2:19:32 Yuriy Maksimov (SU)	2:19:55 Urban Larsson (Swe)
	2:19:58 Don Kennedy (US)

Although John Farrington has the year's top time, Frank Shorter again is the year's leading competitor—as he was in 1971 and '72. While Farrington dropped out of his two most important races, the Australian national championship and Fukuoka, Shorter won two important marathons in Japan— in 2:11:45 and 2:12:03.

See the "late news" section in the back of the booklet for possible additions or corrections.

2:11:00 to 2:11:59

- 2:11:12 John Farrington (Aus)
- 2:11:45 Frank Shorter (US)

2:12:00 to 2:12:59

- 2:12:07 Derek Clayton (Aus)
- 2:12:24 Eckhard Lesse (E Ger)
- 2:12:40 Ian Thompson (GB)

2:13:00 to 2:13:59

- 2:13:22 Ron Hill (GB)
- 2:13:24 Yoshinobu Kitayama (Japan)
- 2:13:26 Jerome Drayton (Can)
- 2:13:30 Brian Armstrong (Can)
- 2:13:58 Ferdy le Grange (S Afr)

2:14:00 to 2:14:59

- 2:14:06 Yoshiaki Morita (Japan)
- 2:14:14 Reino Paukkonen (Fin)
- 2:14:33 Brenton Norman (Aus)
- 2:13:53 Jack Foster (NZ)
- 2:14:55 Kenji Kimihara (Japan)

2:15:00 to 2:15:59

- 2:15:04 John Robinson (NZ)
- 2:15:25 Colin Kirkham (GB)
- 2:15:40 Vilho Paajanen (Fin)
- 2:15:47 Noriyasu Mizukami (Japan)
- 2:15:48 Doug Schmenk (US)
- 2:15:52 Jon Anderson (US)
- 2:15:53 Yoshiaki Unetani (Japan)
- 2:15:59 Malcolm Thomas (GB)

2:16:00 to 2:16:59

- 2:16:07 Lutz Philipp (W Ger)
- 2:16:07 Joachim Truppel (E Ger)
- 2:16:15 John Vitale (US)
- 2:16:16 Aleksandr Rumyantsev (SU)
- 2:16:17 Kenichi Otsuki (Japan)
- 2:16:18 Max Coleby (GB)
- 2:16:24 Steve Edmunds (GB)
- 2:16:27 Paul Angenvoorth (W Ger)
- 2:16:28 Katsuki Sakami (Japan)
- 2:16:32 Don Faircloth (GB)
- 2:16:46 Sueki Tanaka (Japan)

2:17:00 to 2:17:59

- 2:17:01 Kim Cha Hwan (S Korea)
- 2:17:02 Mike Critchley (GB)
- 2:17:07 Robert Heron (GB)

- 2:17:13 Matti Vuorenmaa (Fin)
- 2:17:14 Viktor Krauze (SU)
- 2:17:14 Yuriy Velikorodnikh (SU)
- 2:17:18 Pekka Paivarinta (Fin)
- 2:17:18 Mike Child (GB)
- 2:17:21 John Bermingham (Aus)
- 2:17:24 Alan Domleo (GB)
- 2:17:26 Jukka Toivola (Fin)
- 2:17:28 Shigeru Sou (Japan)
- 2:17:37 Tomaru Imamura (Japan)
- 2:17:37 Aleksandr Matveyev (SU)
- 2:17:37 Grigoriy Vinjar (SU)
- 2:17:40 John McLaughlin (GB)
- 2:17:43 Bill Scobey (US)
- 2:17:44 Jozsef Babinyecz (Hun)
- 2:17:45 Antii Pasanen (Fin)
- 2:17:46 Tom Fleming (US)
- 2:17:46 Takeshi Sou (Japan)
- 2:17:50 Don Macgregor (GB)
- 2:17:51 Nikolay Penzin (SU)
- 2:17:56 Igor Scherbak (SU)
- 2:17:57 Damir Mohamed Zyanov (SU)
- 2:17:58 Aleksandr Kopanyev (SU)

2:18:00 to 2:18:59

- 2:18:10 Sheridan (Ireland)
- 2:18:12 Jeff Norman (GB)
- 2:18:14 Viktor Silyayev (SU)
- 2:18:14 Ferenc Szekeres (Hun)
- 2:18:15 Walter van Renterghem (Bel)
- 2:18:19 Fernand Kolbeck (Fr)
- 2:18:21 Olavi Suomalainen (Fin)
- 2:18:22 Keichi Shimokugaki (Japan)
- 2:18:24 Jim Wight (GB)
- 2:18:28 Terry Manners (NZ)
- 2:18:29 Steve Kenyon (GB)
- 2:18:32 Brendan O'Shea (Ireland)
- 2:18:34 Konstantin Popov (E Ger)
- 2:18:39 Richard Brown (GB)
- 2:18:42 Vladimir Merkushin (SU)
- 2:18:44 Kenji Kaya (Japan)
- 2:18:45 Nikolay Kuzin (SU)
- 2:18:46 Peter Bruce (Aus)
- 2:18:52 Anatoliy Anisimov (SU)
- 2:18:56 Marnix Stevens (Bel)
- 2:18:57 Eiki Nomura (Japan)
- 2:18:57 Vasiliy Legar (SU)
- 2:18:59 Tom Howard (Canada)

(Continued on previous page)

ALL-TIME U.S. LIST

When we began publishing this booklet four years ago, we could barely find 100 American performances under 2½ hours. Today the upper limit is 2:22, and going down quickly. It went from 2:25 in 1970, to 2:24 in '71 to just under 2:23 in '72, and improved by almost another minute in the year just past.

* indicates a race run on an uncertified course. Marks here were received by mid-December. Additional ones may appear in the supplement at the back of the booklet.

NAME (AGE)	TIME	SITE	DATE
1. Frank Shorter (25)	2:10:30	Fukuoka, Japan	3 Dec 72
2. Eamon O'Reilly (25)	2:11:12	Boston, Mass.	20 Apr 70
3. Kenny Moore (27)	2:11:35.8	Fukuoka, Japan	6 Dec 70
4. Frank Shorter (26)—2	2:11:45	Fukuoka, Japan	2 Dec 73
5. Frank Shorter (25)—3	2:12:03	Otsu, Japan	18 Mar 73
6. Frank Shorter (24)—4	2:12:19.8	Munich, W. Ger.	10 Sep 72
7. Frank Shorter (24)—5	2:12:50.4	Fukuoka, Japan	5 Dec 71
8. Kenny Moore (26)—2	2:13:27.8	Fukuoka, Japan	7 Dec 69
9. Bud Edelen (25)	2:14:28	Chiswick, England	15 Jun 63
10. Amby Burfoot (22)	2:14:28.8	Fukuoka, Japan	8 Dec 68
11. Bud Edelen (27)—2	2:14:38	Chiswick, England	12 Jun 65
12. Bud Edelen (25)—3	2:15:09.6	Kosice, Czech.	13 Oct 63
13. Bill Scobey (26)	2:15:21	Culver City, Cal.	5 Dec 71
14. Kenny Moore (28)—3	2:15:39.8	Munich, W. Ger.	10 Sep 72
15. Doug Schmenk (22)	2:15:48	San Mateo, Calif.	17 Jun 73
16. Norm Higgins (35)	2:15:52	Culver City, Cal.	5 Dec 71
17. Jon Anderson (24)	2:15:52.8	Fukuoka, Japan	2 Dec 73
18. Kenny Moore (28)—4	2:15:57.8	Eugene, Ore.	9 Jul 72
Frank Shorter (24)—6	2:15:57.8	Eugene, Ore.	9 Jul 72
20. Jon Anderson (23)—2	2:16:03	Boston, Mass.	16 Apr 73
21. John Vitale (24)	2:16:15	Otsu, Japan	18 Mar 73
22. Mike Hazilla (25)	2:16:20.6	Detroit, Mich.	17 Oct 71
23. Eamon O'Reilly (23)—2	2:16:39.8	Santa Rosa, Calif.	21 Apr 68
24. Tom Laris (26)	2:16:48	Boston, Mass.	19 Apr 67
25. Kenny Moore (27)—5	2:16:48.6	Eugene, Ore.	6 Jun 71
26. Jack Bacheler (28)	2:17:38.2	Munich, W. Ger.	10 Sep 72
27. Bill Scobey (28)—2	2:17:43	Weott, Calif.	6 May 73
28. Frank Shorter (23)—7	2:17:44.6	Eugene, Ore.	6 Jun 71
29. Doug Schmenk (21)—2	2:17:45	San Diego, Calif.	15 Jan 72
30. Tom Fleming (21)	2:17:46	Boston, Mass.	16 Apr 73
31. Lou Castagnola (30)	2:17:48	Boston, Mass.	19 Apr 67
32. Don Kardong (23)	2:18:05.6	Burlingame, Calif.	13 Apr 62
33. Doug Schmenk (22)—3	2:18:06	San Diego, Calif.	13 Jan 73
34. Bud Edelen (27)—4	2:18:12.4	Tokyo, Japan	21 Oct 64
35. Norm Higgins (29)—2	2:18:26	Boston, Mass.	19 Apr 66
36. Tom Heinonen (22)	2:18:29.4	Minneapolis, Minn.	19 May 68
37. Mike Hazilla (20)—2	2:18:46.6	Detroit, Mich.	26 Nov 66
38. Bud Edelen (25)—5	2:18:56.8	Fukuoka, Japan	2 Dec 62
39. John Vitale (23)—2	2:19:01.6*	Middletown, Conn.	5 Mar 72

40. Norm Higgins (29)—3	2:19:13	Culver, City, Calif.	11 Dec 65
41. Tom Fleming (21)—2	2:19:16	Asbury Park, N.J.	21 Jan 73
42. Herb Lorenz (32)	2:19:16.8	Eugene, Ore.	6 Jun 71
43. Scott Bringham (23)	2:19:24	Las Vegas, Nev.	5 Feb 72
44. Dave White (20)	2:19:31	Culver City, Calif.	3 Dec 72
45. Jeff Galloway (26)	2:19:34.6*	Ft. Walton Beach	19 Feb 72
46. Kenny Moore (26)—6	2:19:47	Boston, Mass.	20 Apr 70
47. John Vitale (24)—3	2:19:52	San Mateo, Calif.	17 Jun 73
48. Don Kennedy (25)	2:19:58	San Mateo, Calif.	17 Jun 73
49. Bruce Mortenson (28)	2:19:59	Boston, Mass.	19 Apr 72
50. Jeff Galloway (26)—2	2:20:03	Boston, Mass.	17 Apr 72
51. John Kelley (26)	2:20:05	Boston, Mass.	20 Apr 57
John Vitale (24)—3	2:20:05	Eugene, Ore.	6 Jun 71
53. Reid Harter (22)	2:20:06	Culver City, Calif.	2 Dec 73
54. Paul Talkington (26)	2:20:12	Manchester, Eng.	3 Jun 73
55. John Kelley (29)—2	2:20:13.6	Yonkers, N.Y.	22 May 60
56. John Vitale (23)—5	2:20:16.2	Enschede, Holland	4 Sep 71
57. Scott Bringham (22)—2	2:20:18*	Las Vegas, Nev.	6 Feb 71
58. Ralph Buschmann (25)	2:20:20	Boston, Mass.	19 Apr 65
59. Ron Daws (31)	2:20:23	Boston, Mass.	21 Apr 69
60. Amby Burfoot (26)—2	2:20:24	New Orleans, La.	3 Feb 73
61. Wayne Badgley (27)	2:20:25	Culver City, Cal.	5 Dec 71
62. Kenny Moore (28)—7	2:20:26	Eugene, Ore.	9 Apr 72
63. Phil Camp (25)	2:20:27	San Mateo, Calif.	17 Jun 73
Pete Span (24)	2:20:27	Scottsdale, Ariz.	22 Dec 72
65. Steve Dean	2:20:29	Boston, Mass.	17 Apr 72
66. Jack Bacheler (28)—2	2:20:29.2	Eugene, Ore.	9 Jul 72
Jeff Galloway (26)—3	2:20:29.2	Eugene, Ore.	9 Jul 72
68. Bill Scobey (26)—3	2:20:35	Eugene, Ore.	6 Jun 71
69. Wayne Badgley (27)—2	2:20:36	Eugene, Ore.	9 Apr 72
70. Bill Clark (26)	2:20:39.2	Beppu, Japan	8 Feb 70
71. Herb Lorenz (31)—2	2:20:40.8	Toronto, Canada	24 Aug 70
72. Steve Matthews (26)	2:20:41	Minneapolis, Minn.	19 May 68
73. Carl Hatfield (25)	2:20:41.8*	Athens, Ohio	4 Mar 73
74. Tom Hess (22)	2:20:43.8*	Denton, Tex.	27 Jan 73
75. Mike Gregorio (25)	2:20:45	San Diego, Calif.	15 Jan 72
76. Floyd Godwin (23)	2:20:52	Minneapolis, Min.	19 May 68
77. Bill Scobey (27)—4	2:20:55	Culver City, Cal.	3 Dec 72
78. John Kelley (27)—3	2:20:55.6*	Jersey City, N.J.	11 Oct 58
79. Kenny Moore (26)—8	2:20:58*	Seaside, Ore.	28 Feb 70
80. Bud Edelen (27)—6	2:21:00.4	Krefeld, W. Ger.	2 May 65
John Kelley (27)—4	2:21:00.4	Yonkers, N.Y.	18 May 58
82. Byron Lowry (23)	2:21:07.6	Culver City, Cal.	6 Dec 70
83. Doug Schmenk (22)—4	2:21:08	Athens, Greece	6 Apr 73
84. John Kelley (32)—5	2:21:09	Boston, Mass.	19 Apr 63
85. Bruce Mortenson (27)—2	2:21:09.8	Seaside, Ore.	27 Feb 71
86. Terry Ziegler (22)	2:21:15	Lawrence, Kans.	21 Apr 73
87. Mike Mittelstadt	2:21:21	Viareggio, Italy	14 Jun 70
88. Jeff Galloway (27)—4	2:21:27	Boston, Mass.	16 Apr 73
89. George Stewart (24)	2:21:29	Napa, Calif.	30 Sep 73
90. Duncan Macdonald (23)	2:21:31	Burlingame, Calif.	13 Feb 72
91. Russ Pate (26)	2:21:31	Culver City, Calif.	2 Dec 72
92. Herb Lorenz (31)—3	2:21:34.8	Pt. Washington, N.Y.	3 May 70
93. Tom Laris (25)—2	2:21:44	Boston, Mass.	19 Apr 66

94. Dave White (21)—2	2:21:52	San Mateo, Calif.	17 Jun 73
95. Jay Dirksen (24)	2:21:53*	Naperville, Ill.	6 Dec 69
96. John Keeley (28)—6	2:21:54.4	Yonkers, N.Y.	24 May 59
97. Tom Fleming (22)—3	2:21:54.8	New York, N.Y.	30 Sep 73
98. Hal Higdon (32)	2:21:55	Boston, Mass.	20 Apr 64
99. Terry Ziegler (22)—2	2:21:55.2	Petit Jean, Ark.	3 Feb 73
100. Tom Robinson (20)	2:22:00	Seaside, Ore.	27 Feb 71

2:22:00 to 2:22:59

2:22:04 Bob Deines (21) 1969
2:22:05 Skip Houk (26) 1968
2:22:07 Joe Skaja (23) 1973
2:22:15 Bob Scharf (29) 1966
2:22:18 Gordon McKenzie (32) 1960
2:22:19 Tom Hoffman (24) 1972
2:22:25 Mike Mahler (26) 1970
2:22:29 Greg Brock (24) 1972
2:22:31 Dennis Spencer 1973
2:22:32 Ed Hereford 1973
2:22:35 Mark Covert (21) 1972
2:22:40 Ron Kurrle 1973
2:22:54 Jim Freeman (25) 1967
2:22:55 Bill Mills (26) 1964
2:22:56 Vic Nelson (24) 1973
2:22:59 Nick Kitt 1968

2:23:00 to 2:23:59

2:23:03 Bob Thurston (28) 1972
2:23:05 Duane Spitz (24) 1973
2:23:06 Don Lakin 1968
2:23:15 Ron Zarate (21) 1973
2:23:17 Tom Hollander (19) 1972
2:23:18 Paul Hoffmann (19) 1972
2:23:23 Art Coolidge (24) 1971
2:23:24 Charles Harris (30) 1971
2:23:26 Ed Walkwitz (19) 1970
2:23:28* Larry Blancett (25) 1973
2:23:28 Justin Gubbins (20) 1972

2:23:28 Brook Thomas (24) 1972
2:23:30 Wayne Van Dellen (30) 1967
2:23:32 Rick Bayko (24) 1972
2:23:32 Gareth Hayes (23) 1972
2:23:34 Doug Wiebe (25) 1968
2:23:36 George Oja (30) 1973
2:23:47 Mitch Kingery (16) 1973
2:23:49 Ron Wayne (23) 1973
2:23:53 Fred Lands (22) 1972
2:23:54 Willie Speck 1971
2:23:56 Jeff Reneau (24) 1967

2:24:00 to 2:24:59

2:24:00 Phil Ryan 1971
2:24:03* Barry Brown (27) 1971
2:24:06 Wayne Ristau (25) 1973
2:24:10 Bob Fitts (27) 1970
2:24:16 Jim Pearson (28) 1972
2:24:17 Marshall Adams (28) 1973
2:24:17 Jerry Jobski (27) 1971
2:24:20 Mike Kimball (27) 1967
2:24:29 Moses Mayfield (25) 1970
2:24:42 Edmund Norris (25) 1972
2:24:48 Ed Cadena 1968
2:24:49 Gene Comroe 1968
2:24:49 Lee Fidler 1972
2:24:53 Rob Hamilton (23) 1973
2:24:54 Tom Bache (28) 1972

1973 U.S. LIST

We're still listing everyone who breaks three hours. As the marathoning population continues to explode, the list takes an increasingly greater portion of this booklet. In 1970, there were 814 runners under that time; in 1971, 1120; in 1972, 1428. The final count for the past year will be 1700 or higher.

Runners are listed with their age and state of residence when these details are known. "*" means the course was not certified by the national AAU. "Jr" is an athlete under age 20.

See the "late news" section in the back of the booklet for possible additions or corrections.

SUB-2:20

2:11:45 Frank Shorter (26, Fla)
2:15:48 Doug Schmenk (22, Cal)
2:15:52 Jon Anderson (24, Cal)
2:16:15 John Vitale (24, Conn)
2:17:43 Bill Scobey (28, Cal)
2:17:46 Tom Fleming (21, NJ)
2:19:58 Don Kennedy (25, NC)

2:20:00 to 2:20:59

2:20:06 Reid Harter (22, Cal)
2:20:12 Paul Talkington (26, Ohio)
2:20:24 Amby Burfoot (26, Conn)
2:20:27 Phil Camp (25, Cal)
2:20:41* Carl Hatfield (25, WV)
2:20:43* Tom Hess (22, Tex)

2:21:00 to 2:21:59

2:21:15 Terry Ziegler (22, Okla)
2:21:27 Jeff Galloway (27, NC)
2:21:29 George Stewart (24, Cal)
2:21:31 Russ Pate (26, Ore)
2:21:52 Dave White (21, Cal)

2:22:00 to 2:22:59

2:22:07 Joe Skaja (23, Ore)
2:22:31 Dennis Spencer (Ga)
2:22:32 Ed Hereford (NC)
2:22:40 Ron Kurrie (25, Cal)
2:22:56 Vic Nelson (24, Md)
2:22:59 Lucian Rosa (29, Wisc/Ceylon)

2:23:00 to 2:23:59

2:23:05 Duane Spitz (24, Mich)
2:23:15 Ron Zarate (21, Nev)
2:23:28* Larry Blancett (25, NM)
2:23:36 George Oja (30, Ore)
2:23:38 Norbert Sander (31, NY)
2:23:47 Mitch Kingery (16, Cal)
2:23:49 Ron Wayne (23, Ore)

2:24:00 to 2:24:59

2:24:06 Wayne Ristau (25, Ore)
2:24:09 Ron Daws (35, Minn)
2:24:12 Martins Ande (28, NM/Nigeria)
2:24:17 Marshall Adams (28, NC)

2:24:42* Charles Harris (32, NM)
2:24:53 Rob Hamilton (23, Idaho)

2:25:00 to 2:25:59

2:25:08 Joel Pasternak (NJ)
2:25:19 Curtis Ankeny (20, Ore)
2:25:26 Ray Hughes (34, Cal)
2:25:31 Jack Mahurin (30, NC)
2:25:36 Steve Hoag (26, Minn)
2:25:51 Moses Mayfield (28, Pa)
2:25:54 Larry Miller (22, Ore)
2:25:58 Bob Thurston (29, DC)

2:26:00 to 2:26:59

2:26:01 Tony Brien (Kans)
2:26:02 Bill Bragg (24, NJ)
2:26:17 Max White (22, Mass)
2:26:22 Larry Frederick (24, NY)
2:26:22* Gary Royball (NM)
2:26:24 William Gavaghan (22, Ind)
2:26:28 Rob Leutwiler (22, Mo)
2:26:32 Peter Fredriksson (26, Cal/Swe)
2:26:42 Jim Carter (33, Mich)
2:26:42 Barney Hance (23, Ill)

2:27:00 to 2:27:59

2:27:03 Mike Sabino (33, Md)
2:27:13 Gary Dobrenz (26, Cal)
2:27:14* Don Slusser (21, Pa)
2:27:24 Tom Hoffman (25, Wisc)
2:27:25 Bob Fitts (30, Mo)
2:27:26 Arthur Hall (26, NY)
2:27:31 Larry Olsen (26, Mass)
2:27:40 Ralph Thomas (37, Me)
2:27:45* Peter Farwell (22, Ill)
2:27:48 Joe Toledo (25, Cal)

2:28:00 to 2:28:59

2:28:04 Jim Arquilla (Cal)
2:28:12 William Rodgers (Mass)
2:28:19 Ken Moffitt (20, Cal)
2:28:22 Orville Atkins (36, Cal)
2:28:33 Justin Gubbins (21, DC)
2:28:37 Taylor Aultman (La)
2:28:37 Daryl Zapata (27, Cal)

2:28:40 Rick Bayko (25, Mass)
2:28:41 Perry Forrester (20, Cal)
2:28:48 John Caldwell (22, Cal)
2:28:50 Don Ocana (Cal)
2:28:51 Heinz Wiegand (24, Md)
2:28:58 Darren George (25, Cal)

2:29:00 to 2:29:59

2:29:02 Hector Ortiz (24, NY)
2:29:04* Ken Young (32, Ill)
2:29:10 Rob Waugh (19, Ariz)
2:29:11 Roy Lapidus (23, NJ)
2:29:14 Hugh Sweeny (27, NJ)
2:29:15* Paul Hoffmann (20, Tex)
2:29:16 Bob Darling (23, Cal)
2:29:17* Bruce Hannula (Mich)
2:29:18 Jim Pearson (28, Wash)
2:29:21 Chris Berka (19, Cal)
2:29:22 Art Moore (22, NJ)
2:29:22 Guy Renfro (24, Wash)
2:29:29* Wayne Frongello (Mass)
2:29:31 Wayne Badgley (28, Cal)
2:29:31 Glen Logan (22, Va)
2:29:35 Gary Tuttle (Tex)
2:29:37 Reuben Dias (27, Hawaii)
2:29:40* Dennis Delmott (NC)
2:29:42 George Khouri (19, Cal)
2:29:47 Jean-Paul Eudier (La/France)
2:29:53 Pat Chester (Fla)
2:29:53 Terry Heath (19, Idaho)
2:29:53 Sid Sink (24, Ohio)
2:29:55 Mike Bulbee (21, Cal)
2:29:57* William Haviland (Ohio)

2:30:00 to 2:30:59

2:30:04 Robert Busby (Mo)
2:30:10 Mike Shaw (22, Wash)
2:30:25 Tom Derderian (Mass)
2:30:25 Tom Howell (Cal)
2:30:26 Garreth Hayes (NC)
2:30:27 Leon Bombardier (21, Wash)
2:30:42 Ed Chaidex (Jr, Cal)
2:30:43* David Antognoli (Pa)
2:30:47 Bob Price (26, Cal)
2:30:47 Dike Stirrett (24, Ill)
2:30:48 Gary Wallace (NY)
2:30:55 Jack Fultz (Va)

2:31:00 to 2:31:59

2:31:01 Dave Webster (20, Md)
2:31:02 Jim Hays (Kans)
2:31:07 William Tylutki (26, NY)
2:31:10 Mark Kushner (20, Cal)
2:31:18* Lionel Ortega (Colo)
2:31:18 Geoff Pietsch (35, Fla)
2:31:20 Leonard Suarez (24, Ariz)
2:31:24 John Butterfield (35, Cal)
2:31:27* John Branley (Colo)
2:31:29 James Howard (Cal)
2:31:31 Paul Bedford (21, Mich)
2:31:31 Don Gregory (19, Cal)
2:31:33 Mike Baxter (29, Mass)

2:31:34 Cliff Karthaus (20, Nebr)
2:31:39 Chris Chambers (Mass)
2:31:42* Eric Thornton (Ill)
2:31:49* George Chavez (NM)
2:31:51* Steve Goldberg (41, Ill)
2:31:52 Bill Gookin (40, Cal)
2:31:54 Jim Vedder (32, Wisc)
2:31:57 John Foran (17, Conn)

2:32:00 to 2:32:59

2:32:00* Bill Scholl (Ohio)
2:32:00* Wendell Skelley (Ohio)
2:32:02 Peter Hallop (25, Mich)
2:32:02 Tim Jordan (Cal)
2:32:04 Tim Hendricks (27, Neb)
2:32:07 Karl Thornton (Pa)
2:32:12 Ron Fister (Cal)
2:32:22 Pat Bastick (39, NY)
2:32:22* Glenn Cole (Tex)
2:32:24* Ron Hall (Ariz)
2:32:30 Dan Reeks (25, Md)
2:32:31 Roger Rouiller (34, WV)
2:32:33 Bryan Welch (20, Md)
2:32:42* Peter Elliott (26, Ill)
2:32:43 Bill Anderson (29, Cal)
2:32:56 Will Van Dyke (Mass)
2:32:57 Fred New (21, Wash)
2:32:59 Lester Adler (Md)

2:33:00 to 2:33:59

2:33:03* Charles Burrows (Minn)
2:33:06 Phil Stewart (23, DC)
2:33:07* Greg Carlberg (24, Neb)
2:33:08 John Bramley (Kans)
2:33:11 Eddy Cadena (25, Cal)
2:33:14 Kurt Billett (17, Wash)
2:33:14 Brian Brouillet (17, Wash)
2:33:16 Dave Russell (25, Cal)
2:33:20* Carlos Alfaro (27, Cal)
2:33:23 Fred Best (36, NJ)
2:33:24 P.J. Leddy (Tenn/Ire)
2:33:24 Brian Sobczak (25, Ohio)
2:33:25 Bill Harvey (27, NY/GB)
2:33:25 Gary Mumaw (19, Ind)
2:33:27 Mike Butynes (20, NY)
2:33:30 Ken Scalmanini (29, Cal)
2:33:32 Phillip Davis (Ill)
2:33:33 Ken Mueller (Mass)
2:33:34 (Unidentified, Kansas Relays)
2:33:36 Craig Martin (18, Wash)
2:33:45 Dave Waco (40, Cal)
2:33:50 Ron Blackmore (20, NY)
2:33:50* Bill Carr (27, Ohio)
2:33:51 Gary Pierson (36, Ill)
2:33:51 Domingo Tibaduiza (22, Nev/Col)
2:33:53 James Barker (26, Idaho)
2:33:53 Ron Drogan (Mass)
2:33:54 Alex Aguilar (17, Cal)
2:33:57 Robert O'Connell (24, Ill)

2:34:00 to 2:34:59

2:34:02 Pat Buzbee (21, Cal)

2:34:02* Ron Peters (Ia)
 2:34:08 Bill Theriault (28, Cal)
 2:34:10 Gary Muhrcrke (33, NY)
 2:34:12 John Cedarholm (Mass)
 2:34:13 James Maslach (25, Cal)
 2:34:15 Patrick Miller (22, Cal)
 2:34:16 Dave Picket (Cal)
 2:34:19* Ed Steingraber (18, Ill)
 2:34:25 Homer Latimer (Cal)
 2:34:25 Roberto Rosales (31, Kans)
 2:34:26 Ken Katzer (31, Neb)
 2:34:30 Harold DeMoss (38, Cal)
 2:34:37 Steve Karpinos (29, DC)
 2:34:38 R.M. Jones (Mass)
 2:34:40 Jim Varnau (18, Ind)
 2:34:42 Brett Bunkelman (Md)
 2:34:44* Terry Pintane (Cal)
 2:34:45 Douglas Johnson (20, Ore)
 2:34:47 Alan Beardall (35, Ore)
 2:34:47 Roger Vann (18, Ark)
 2:34:51* E. Horn (NM)
 2:34:51* Rick Lower (Colo)
 2:34:53 Jim Lee (24, NC)
 2:34:54 David Cortez (15, Cal)
 2:34:56 Skip Houk (31, Nev)
 2:34:58 Jim Green (40, Mass)
 2:34:59 Brian Larsen (17, Minn)
 2:34:59 Rodger Low (21, Ark)
2:35:00 to 2:35:59
 2:35:01* Bruce Kritzler (25, Ohio)
 2:35:02* Pat Leahy (17, Wisc)
 2:35:06 Mark Brewer (Kans)
 2:35:12 John Brennand (37, Cal)
 2:35:15 Dennis Kasischke (Cal)
 2:35:17 Richard Hebron (23, Wash)
 2:35:24 Gary Bryan (36, Wash)
 2:35:24 Joe Burgasser (Cal)
 2:35:24 Mike Conroy (Cal)
 2:35:25 Michael Boyd (21, Mich)
 2:35:26* Tom Berger (Colo)
 2:35:27 George Christopher (Pa)
 2:35:28 Joseph Merlingolo (18, Ohio)
 2:35:29 Mike Mahler (Cal)
 2:35:33 Gary Johanson (20, Cal)
 2:35:35 Steve Fiamengo (18, NY)
 2:35:36* David Reid (25, Ohio)
 2:35:36 Allen Schofield (26, Cal)
 2:35:37 Mike Cryans (22, NH)
 2:35:37 Paul Huyffer (35, Mass)
 2:35:42* Daniel Winzenried (Wisc)
 2:35:47 Chuck Koeppen (27, Ind)
 2:35:50 David Johnson (Md)
 2:35:50 Ray Morrison (DC)
 2:35:51 Dennis Meyer (40, Wash)
 2:35:52 Ed Strabel (28, Ga)
 2:35:52 Mark Williams (23, Cal)
 2:35:59 George Guins (30, Ohio)
2:36:00 to 2:36:59
 2:36:01* Tom Antczak (22, Ill)
 2:36:02* Mark Elias (Cal)
 2:36:03* Phil Ford (Ohio)
 2:36:04* Tim Wright (19, Cal)
 2:36:08 James Boyle (NY)
 2:36:08 (Unidentified, Boston)
 2:36:09* Galen Green (24, Ia)
 2:36:11 John Hawkins (Nebr)
 2:36:15 Evan Shull (29, Wash)
 2:36:16 Jim Bowles (23, NY)
 2:36:17 Ross Smith (45, Nev)
 2:36:18 Richard Forbes (36, Ore)
 2:36:19 Greg Griffin (Cal)
 2:36:21* Steve Nowacki (NM)
 2:36:23 Terry Habecker (25, NY)
 2:36:27 Gary Long (17, Ind)
 2:36:31 Frank Krebs (29, Cal)
 2:36:34* Richard Waltz (33, Wisc)
 2:36:35* George Lysy (Utah)
 2:36:38 Mike Scarsborough (18, NY)
 2:36:40* Kevin Mahoney (20, Ill)
 2:36:41 Al Haynes (16, Ind)
 2:36:43* Allen Gilman (Minn)
 2:36:44 Bill Cooke (Ill)
 2:36:44* Keith Jeffers (25, Cal)
 2:36:46 Ray Cerankowski (19, Cal)
 2:36:46 Art Ting (Cal)
 2:36:48 Greg Clauson (19, Mo)
 2:36:49 Bennett Gershman (31, NY)
 2:36:49 Ron Young (Cal)
 2:36:52* Gary Barrett (24, Ill)
 2:36:53* Dennis Katzer (20, Neb)
 2:36:54 Jeff Carmody (NJ)
 2:36:58 John Cramer (21, Minn)
2:37:00 to 2:37:59
 2:37:01 Lonnie Cole (22, Md)
 2:37:05 Walter Renaud (40+, Mass)
 2:37:07 John Garlepp (34, NY)
 2:37:07 Steve Barry (NY)
 2:37:15 Ernie Rivas (25, NY)
 2:37:19 Jeff Miller (19, Ky)
 2:37:19 Martin Sudzina (Mass)
 2:37:20 Andy Senorski (Tex)
 2:37:21 Jeff Brain (23, Minn)
 2:37:22* Howard Labrie (22, Cal)
 2:37:25 Todd Fersugon (29, Cal)
 2:37:25 Daniel Larson (22, Conn)
 2:37:26 Ed Bowes (29, NY)
 2:37:28 Ivan Torres (Mo)
 2:37:30 Jim McDonagh (49, NY)
 2:37:33 Dan Grace (35, NY)
 2:37:34 Richard Katz (24, Pa)
 2:37:37 Mike Maron (Cal)
 2:37:40 Fred Clarke (42, W. Ger)
 2:37:41 John Skislak (NJ)
 2:37:41* Harry Welles (28, Wisc)
 2:37:41* John Whitehouse (37, Wisc)
 2:37:42 Brian Harrington (26, Tex)
 2:37:42 Paul Thompson (Mass)
 2:37:43* Mike Mittelstaedt (NM)
 2:37:43* Mark Nelsen (Minn)
 2:37:45 Wayne Comer (31, Tex)

2:37:46 Walter Gantz (27, Mich)
 2:37:48* Lee Cain (NM)
 2:37:48 Dennis Dierckman (20, Ind)
 2:37:50 Mark Bauman (23, Mich)
 2:37:51 Michael Naples (27, NY)
 2:37:57 Ron Gaff (Mass)
2:38:00 to 2:38:59
 2:38:01* John Samore (25, Ia)
 2:38:04 Larry Grecian (Kans)
 2:38:04 Jacob Johansen (Ore)
 2:38:06 Park Barner (29, Pa)
 2:38:06 Dave Robertson (21, Cal)
 2:38:07* Ronnie Hess (20, Tex)
 2:38:08* Frank Bozanich (Okla)
 2:38:09 Edward Forte (20, NJ)
 2:38:11 James Perez (26, Cal)
 2:38:12 Louis Arreola (Cal)
 2:38:12* Gary Johnson (Ia)
 2:38:13 Chuck Riley (Mass)
 2:38:16* Mark Pealstrom (24, Ill)
 2:38:16 Garrett Tomczak (25, Cal)
 2:38:20 Ron Wise (34, Cal)
 2:38:24 Dale Roe (25, Wisc)
 2:38:24 Harold Sutherland (Wisc)
 2:38:25 Loren Moes (Ia)
 2:38:40 Tim Welles (33, NY)
 2:38:41 James Lears (26, Md)
 2:38:42 Timm Lamb (22, Ia)
 2:38:42 Francis McDonald (RI)
 2:38:42 Kevin McDonald (23, NJ)
 2:38:43* Dave Elger (Wisc)
 2:38:43* Phil Svelzer (21, Ill)
 2:38:45 Bill McDermott (Ia)
 2:38:47 Matthew Henderson (24, Wash)
 2:38:48* Bob Congdon (27, NY)
 2:38:48* Keith Hartman (30, NY)
 2:38:48 Rick Stetson (Ala)
 2:38:49 Paul Fetscher (27, NY)
 2:38:50* Dennis Wuidler (22, Pa)
 2:38:51 Bob Long (20, Cal)
 2:38:53 Bruce Fraser (Wisc)
 2:38:53 Terry Helms (NC)
 2:38:56 Randy Spotts (19, Cal)
 2:38:58 Craig Harms (23, Ohio)
 2:38:59 Bob Bazley (22, NJ)
 2:38:59 Dennis Fee (18, Minn)
2:39:00 to 2:39:59
 2:39:01 Ritchie Geisel (27, Cal)
 2:39:01 Gregory Gustafson (17, Ore)
 2:39:02 Hank Brame (20, Ark)
 2:39:02 Earl Ellis (37, Wash)
 2:39:04 Brian Farley (21, NY)
 2:39:05* Ken Burke (19, Ill)
 2:39:05* Rick Livesay (20, Ill)
 2:39:06* Lee Wilcox (35, Wisc)
 2:39:10 Earl Bradley (Ohio)
 2:39:11 Howard Miller (46, Wash)
 2:39:11* Howard Miller (21, Cal)
 2:39:12* Thomas Bryant (19, Ohio)
 2:39:14* Gordon Haller (22, Hawaii)
 2:39:15 Brad Ferguson (19, Ind)
 2:39:16* Randy Cook (25, Kans)
 2:39:17* Jan Ahlberg (Ariz)
 2:39:17 Earl McGilvery (Mass)
 2:39:17* Bill Reiderer (20, Ill)
 2:39:19* Harvey Fahl (Ohio)
 2:39:20 Tom Osler (33, NJ)
 2:39:21 Rick Bruggers (26, Ohio)
 2:39:23 Mike Niemiec (22, Ohio)
 2:39:23 Tim Smith (Conn)
 2:39:25 Aaron Hove (Colo)
 2:39:27 Stephen Norris (19, Mich)
 2:39:28* Larry Vorverk (Ia)
 2:39:35 Charles Korte (18, Mo)
 2:39:37 Richard Warren (26, Cal)
 2:39:37 George Wilson (25, Mich)
 2:39:40* Scott Sundquist (Minn)
 2:39:41 Alan Penberthy (18, NY)
 2:39:42 Sam Torres (22, Mich)
 2:39:43 Howard Herrington (20, NY)
 2:39:44 Robert Ewigleben (19, Mich)
 2:39:48* Lou Wagner (29, Ohio)
 2:39:49 Bruce Fredrikson (35, NY)
 2:39:50 Mike Benson (DC)
 2:39:50 Harry Cottrell (27, Cal)
 2:39:52 David Walters (17, Nev)
 2:39:53 Peter Kuchinski (Mass)
 2:39:56 Herb Parsons (35, Mass)
 2:39:56 Felix Rendina (Ohio)
 2:39:57 Thomas Jiroux (Md)
 2:39:58 Jim Eicken (16, Ill)
2:40:00 to 2:40:59
 2:40:04 Daniel Sekerak (26, Ohio)
 2:40:05 Johnny Lloyd (21, Ind)
 2:40:08 Ray Crothers (Conn)
 2:40:10 Frank Hagerty (25, Cal)
 2:40:11 Roberto Lopez (25, Cal)
 2:40:12* David Hudson (Ia)
 2:40:12 Victor Lantz (20, Ill)
 2:40:14 Daniel Parker (Md)
 2:40:15 Ron Veneman (19, NJ)
 2:40:26 Don Dudley (Mass)
 2:40:27 Truman Clark (37, Cal)
 2:40:27* Oliver Rollie (Minn)
 2:40:28 Jeffrey Greve (Md)
 2:40:28 Bill O'Brien (20, NY)
 2:40:28 Joe Ruffgasser (Cal)
 2:40:29* Fritz Hagerman (Ohio)
 2:40:29* Mark Vernacchia (Ohio)
 2:40:30 Richard Lopez (Cal)
 2:40:36* John Sheehan (Cal)
 2:40:37 Gary Geoffrey (Mass)
 2:40:37* Joel Ireland (Ariz)
 2:40:38 Joseph Duke (28, NJ)
 2:40:39 Bob Thomas (Conn)
 2:40:40 William Parmalee (19, Mo)
 2:40:42 Bill Gordon (39, NY)
 2:40:42 Gordon Rado (18, Cal)
 2:40:43 Sam Simakis (16, Cal)
 2:40:45 Steve Grotzky (31, NY)

2:40:48 Bruce Mortenson (29, Minn)
 2:40:49* Fred Farsjo (Ariz)
 2:40:50* Larry Aduddell (28, Okla)
 2:40:52 Ron Kay (Mass)
 2:40:53 Robert Handloser (Cal)
 2:40:53 Lou Markunas (Conn)
 2:40:58 Dick Bartek (40+, Cal)
 2:40:59 Thomas Frenress (18, Ore)
2:41:00 to 2:41:59
 2:41:00 Bill Nelson (16, Wisc)
 2:41:00 David Parker (42, Cal)
 2:41:03 Bill Long (27, Cal)
 2:41:03* Paul O'Neil (15, Cal)
 2:41:05* John Been (La)
 2:41:05 Chet Fortier (40+, Mass)
 2:41:05 Ron Hopkins (33, Cal)
 2:41:06 Jeff Spangler (Cal)
 2:41:08 Patrick Curl (16, Ore)
 2:41:08* Patrick Davy (17, Mich)
 2:41:09 Dana Blankenship (22, Wash)
 2:41:11 Gary Foltz (20, Ind)
 2:41:12 Joseph Flore (29, Nev)
 2:41:13* Johnny Faerber (Hawaii)
 2:41:13 John Kelley (41, Conn)
 2:41:14 Don Franklin (19, Okla)
 2:41:18 Roy Cobb (30, Ohio)
 2:41:18* Chris Cole (Cal)
 2:41:19 Bryon Cattell (40, Wash)
 2:41:19 Thomas Grundy (RI)
 2:41:20 Ben Huntley (27, Ill)
 2:41:25 John Rudberg (39, Cal)
 2:41:26 Steven Gathje (18, Minn)
 2:41:27 James Guzek (Colo)
 2:41:27 Stephen Mahieu (26, Pa)
 2:41:29 John Zieserl (38, Mich)
 2:41:31* Pat Finn (Cal)
 2:41:33 Frank Freyne (33, Cal)
 2:41:33 Charles Hanson (40+, Mass)
 2:41:33 Herb Lorenz (NJ)
 2:41:36 James Kennedy (Md)
 2:41:38 Benjamin Ewers (Md)
 2:41:40 Terry Lewis (21, Okla)
 2:41:40 John Loeschhorn (29, Cal)
 2:41:40 Jeff Wildfogel (Cal)
 2:41:45 Paul Caseman (29, WV)
 2:41:47 Scott Luchrey (Md)
 2:41:48* Ernest Watts (18, Ohio)
 2:41:50 Jeff Akard (Cal)
 2:41:50 John Sullivan (41, Mass)
 2:41:58 Rick Shriver (NC)
 2:41:59* Chris Haines (Alaska)
2:42:00 to 2:42:59
 2:42:00 Gerardo Brown-Manrique (NY)
 2:42:00* Doug Sailors (Cal)
 2:42:00 Gar Williams (40, Va)
 2:42:03 John Chase (18, NJ)
 2:42:07 Dennis Manske (Va)
 2:42:08* Dave Castricone (Ariz)
 2:42:09 Rob Frantz (20, Ore)
 2:42:10 Alexander Ware (Colo)
 2:42:12 Rick Barnard (19, Cal)
 2:42:12* David Villareal (16, Cal)
 2:42:14 Mervin Bryan (Mass)
 2:42:15* Frank Rodriguez (23, Kans)
 2:42:17 Lee Cohee (32, Cal)
 2:42:21 Kevin Moats (Conn)
 2:42:22 Ed Stephens (NJ)
 2:42:23 Dan. Kacprowicz (22, Mo)
 2:42:23 Jack Levy (21, NY)
 2:42:24 Tim Marr (20, Vt)
 2:42:24 Phil Southerland (Fla)
 2:42:27 Paul Bennett (NJ)
 2:42:28 Paul Sevenson (Mass)
 2:42:28* Martin Smith (24, Ia)
 2:42:30 Roy Prior (20, Wash)
 2:42:30 Donald Starbuck (Colo)
 2:42:33* David Cadiz (Hawaii)
 2:42:35 Syl Pascale (NY)
 2:42:36 Wayne Akiyama (Cal)
 2:42:36 G. McFarland (23, Ore)
 2:42:37 John Gores (23, Mich)
 2:42:39 Vito Bonaiuto (Conn)
 2:42:39 Carl Carey (36, Ind)
 2:42:39 Jerry Pierce (25, Ind)
 2:42:44* Dick Reimers (Ill)
 2:42:45 Dave Johnson (Colo)
 2:42:45 Peter Raven (18, Mich)
 2:42:48 George Bateman (26, Pa)
 2:42:48 Jeffrey Good (Md)
 2:42:49 Bill Benton (23, Mich)
 2:42:49* Chuck Copp (Kans)
 2:42:49 Rick Drake (Cal)
 2:42:49 Julian Nichols (26, NY)
 2:42:52 Topper Powers (Ind)
 2:42:53 John Whitehouse (37, Mich)
 2:42:54* Steve Broten (20, Cal)
 2:42:54 Frank Goldcamp (Pa)
 2:42:54 Bruce Robinson (23, DC)
 2:42:54 John Tetzlaff (Md)
 2:42:55 Brian Dodd (Cal)
 2:42:56 Bob Nanninga (Cal)
 2:42:56 Frank Ratti (23, NJ)
 2:42:59* Reynaldo Calderon (26, Cal)
 2:42:59* Bill Fahl (Ohio)
 2:42:59* Jeff Schnell (19, Ohio)
2:43:00 to 2:43:59
 2:43:03 Dave Stern (Cal)
 2:43:03 M. Sylvester (17, Ore)
 2:43:03 Elwin Wilson (15, Ore)
 2:43:04 Robert Jensen (Cal)
 2:43:04 Steve Lubar (20, Pa)
 2:43:05* Frank Trammel (La)
 2:43:09 Douglas Forsma (Mich)
 2:43:12 Michael Chaffee (Kans)
 2:43:12* Pat Lenahan (Ohio)
 2:43:14 Edwin Gookin (39, Cal)
 2:43:15* S. Hamilton (NM)
 2:43:17 Alan Jensen (34, Ore)
 2:43:17* Steve Mudgett (16, Ill)
 2:43:18 Emilio Rotondi (Mass)

2:43:19 George Schobel (Mass)
 2:43:20 Bob Collette (Mo)
 2:43:20 Harvey Ferrill (35, Cal)
 2:43:23 David Mogk (18, Mich)
 2:43:24 Bruce Jayne (Ill)
 2:43:25 Keith Woodward (Vt)
 2:43:26 Mark Galeazzi (18, Cal)
 2:43:28* John Copeland (Ariz)
 2:43:28 Kevin Kraszeski (Mass)
 2:43:28 Donald Wilken (NY)
 2:43:30 Glen Berwick (28, Cal)
 2:43:30 Ron Johnson (25, Ore)
 2:43:30 Alan Sommerville (28, Pa)
 2:43:32 Scott Durham (19, Ind)
 2:43:32 Robert Harper (Md)
 2:43:37 Lupe Solis (22, Cal)
 2:43:39 Jim Flanigan (23, Cal)
 2:43:42 Jim Isenberg (NJ)
 2:43:42 Dean Perry (23, Conn)
 2:43:43 Bob Harper (23, Md)
 2:43:44* Ken Leonowitz (Mich)
 2:43:45* Ron Lancaster (21, Ill)
 2:43:45 William Saunders (22, Mass)
 2:43:46 Joe Carlson (Cal)
 2:43:46 Mike Sellers (23, Cal)
 2:43:47 Alex Ratelle (48, Minn)
 2:43:48 Paul Luke (17, Nebr)
 2:43:50* David Troy (Ill)
 2:43:50 Harold Ward (36, DC)
 2:43:50 Tom Ward (35, Va)
 2:43:51 Emil Magallanes (17, Cal)
 2:43:52 Joe Burns (43, NJ)
 2:43:52 Tom Pelton (19, Cal)
 2:43:55 Roger Kline (18, Ind)
 2:43:56 William Southland (Fla)
 2:43:57 Terry McCool (20, NY)
 2:43:58 Everett Aultman (La)
 2:43:58* Steve Bradshaw (Ariz)
 2:43:58 Joseph McPherson (20, WV)
 2:43:59 Don Brown (NY)
 2:43:59 Tom Morrison (29, Wash)

2:44:00 to 2:44:59

2:44:01* Richard Jay (20, Ind)
 2:44:03 Steve Chase (18, Cal)
 2:44:03* Bob Lunn (Ohio)
 2:44:04 Wendell Angel (20, Ill)
 2:44:04* Steven Pusztay (25, Ohio)
 2:44:05 Dale Arbour (Mich)
 2:44:06 Bill Cockerham (27, Cal)
 2:44:08 Bill Hammack (36, Va)
 2:44:15 David Phillips (21, Minn)
 2:44:16 Ronnie Bauman (Ky)
 2:44:17 Ray Dombroski (20, Va)
 2:44:17* Dan Hildebrand (Ia)
 2:44:19 Eddie Pacheco (NM)
 2:44:20 Jeffrey Barrie (21, Conn)
 2:44:22 Larry Damon (38, Vt)
 2:44:25* Ron Gayer (31, Ill)
 2:44:26 Chuck Collins (39, NY)
 2:44:26 Keith Rasmussen (NJ)

2:44:27 Louis Castenada (18, Ill)
 2:44:29 Jack Kelley (Mass)
 2:44:30 Jim Howell (29, Cal)
 2:44:30 Kaj Johansen (Cal)
 2:44:33* Mark Dulaney (Cal)
 2:44:33 John Watts (18, Ore)
 2:44:33* Tim Zumbaugh (20, Ind)
 2:44:34 Dave Stevenson (44, Cal)
 2:44:35 Sam Maizel (17, NJ)
 2:44:35* David Nance (Ill)
 2:44:36 David Daley (Colo)
 2:44:38* Aaron Folsom (19, Ohio)
 2:44:42 Clayton Bristol (23, Conn)
 2:44:42 James Harrison (Md)
 2:44:45 Walt Waltmire (19, Cal)
 2:44:46 Tom Sturak (40+, Cal)
 2:44:47 Tom Rachubinski (Wisc)
 2:44:50 Steve Savageau (20, Minn)
 2:44:52 Bernie Sullivan (30, Cal)
 2:44:53 Chris Doyle (24, Ohio)
 2:44:54 Thomas Cory (26, Cal)
 2:44:54 Paul Lucuski (Md)
 2:44:54 John Perry (Ky)
 2:44:55 Dillon Maier (38, NY)
 2:44:55 Steve Rothberg (33, NY)
 2:44:57 Bob Branch (27, Cal)
 2:44:58 Timothy Hansen (21, Wisc)
 2:44:58 Edward Kolasinski (17, Ill)
 2:44:59 Jimmy Edwards (38, Ohio)
 2:44:59 David McGillivray (Mass)

2:45:00 to 2:45:59

2:45:01 Ruben Aguirre (Cal)
 2:45:01* Dan Cloeter (21, Nebr)
 2:45:01 David Faherty (28, NJ)
 2:45:01 Robert Langenbach (36, Wash)
 2:45:03 Patrick Rupel (Colo)
 2:45:03 Kurt Shallenberger (18, Ill)
 2:45:03 Frank Dimuck (Vt)
 2:45:04 William Sayre (23, Pa)
 2:45:04 Richard Billaous (Cal)
 2:45:05 Don Stanezerski (Jr, Ill)
 2:45:05 Kevin Harper (Tenn)
 2:45:08 George Branam (42, Ind)
 2:45:13 Joe Analla (NM)
 2:45:13 Neil Weygandt (26, Pa)
 2:45:16* Rich Peterson (35, Cal)
 2:45:16 Dave Zumwalt (21, Cal)
 2:45:19 John Tengelsen (16, Cal)
 2:45:20 David Marsh (35, Cal)
 2:45:21* Dave Sprandel (31, Ohio)
 2:45:25* Carl Bechdel (Pa)
 2:45:25 Gary Singer (18, Cal)
 2:45:27 Doug Gates (25, Cal)
 2:45:29 Ted Corbitt (53, NY)
 2:45:29* Kurt Karwoski (Minn)
 2:45:30 Michael Nichols (Kans)
 2:45:30 Clyde Villemez (26, Tex)
 2:45:31 John Comisky (31, Cal)
 2:45:34 H. Illium (Cal)
 2:45:36 Curtis Riddling (Cal)

2:45:38 Frank Madin (18, Wash)
 2:45:38 Victor Sasuga (Cal)
 2:45:39 Ron Weins (Jr, Mich)
 2:45:39* Vic Krol (20, Ill)
 2:45:40 Matthew Lynam (NY)
 2:45:40 Jay Rubino (16, Cal)
 2:45:40 Ted Williams (Ore)
 2:45:41 James Campbell (20, Va)
 2:45:46 James Orosulo (Cal)
 2:45:46 Bill Entz (Cal)
 2:45:47 Julio Piazza (Pa)
 2:45:48 Tim Quinn (Conn)
 2:45:49 Dave Anderson (41, Pa)
 2:45:49 Martin Urias (21, Cal)
 2:45:50 Gary Childs (Ill)
 2:45:50 Richard Reynaga (16, Cal)
 2:45:54* Dean Erdal (16, Ill)
 2:45:56* Gerald Smith (Ariz)
 2:45:59 Vince Chiappetta (40, NY)
 2:45:59 James Schrader (22, NY)

2:46:00 to 2:46:59
 2:46:03* Ray Menzie (38, Cal)
 2:46:05 Stuart Brown (28, Ore)
 2:46:06 Gary Patrick (Cal)
 2:46:07 Darrell Fitzgerald (Cal)
 2:46:07 Philip Groves (23, Cal)
 2:46:09* Dennis Werling (32, Ill)
 2:46:10 John Merola (42, Ohio)
 2:46:10 Jim Lambe (21, Mich)
 2:46:12 Pete Elliston (30, NM)
 2:46:13 Marc Lund (Cal)
 2:46:14 John Ferguson (Cal)
 2:46:14 Larry Fox (30, Ohio)
 2:46:15 Jim O'Neil (47, Cal)
 2:46:16* Owen Narikawa (Cal)
 2:46:16 Rick Whaley (21, Ind)
 2:46:19 Doug McLean (19, Cal)
 2:46:23 Keith Martell (21, Vt)
 2:46:23 Robert McCarthy (Conn)
 2:46:24 John Duffield (Conn)
 2:46:24* Glenn Lyle (21, Ill)
 2:46:25* Kim Keller (17, Ariz)
 2:46:25 Wes Parker (40+, Cal)
 2:46:28 James Jacobs (Cal)
 2:46:28 Bradley Starkey (Md)
 2:46:29 Ray Currier (Mass)
 2:46:30 Wes Crist (Colo)
 2:46:32* Larry Hidalgo (Ariz)
 2:46:32 Frank Jackson (NY)
 2:46:32 Jon Manon (NY)
 2:46:33 Gary Miller (23, Cal)
 2:46:34* Larry Fauchier (24, Ia)
 2:46:34 Timothy Ryan (24, Mass)
 2:46:35 Mike Orosco (Jr, Cal)
 2:46:36 Miki Gorman (38, Cal)
 2:46:36 John Haslam (32, Mich)
 2:46:37 Greg Beyerlein (19, Wash)
 2:46:38 Tony Rowe (18, Ind)
 2:46:42 Peter Stipe (Mass)
 2:46:42* Ray Temple (Ariz)

2:46:42 Christopher White (19, Conn)
 2:46:43* Eric Buckland (19, Kans)
 2:46:43 Randy Buob (18, Cal)
 2:46:44 Richard Burdick (28, Wisc)
 2:46:44 David Santry (Tenn)
 2:46:46 Richard Crowell (Mass)
 2:46:46* Tom Turbett (Ill)
 2:46:47 Russell Combs (NC)
 2:46:47 Pablo Drobny (27, Cal)
 2:46:50 Walter Crawford (24, Ill)
 2:46:50 Jarvis Yellowrobe (Kans)
 2:46:51 Clay Steinke (31, Ore)
 2:46:51 Steve White (Cal)
 2:46:53* Edwin Birmingham (Colo)
 2:46:53 Donald Marvel (30, Md)
 2:46:53 Bill Posedel (29, Cal)
 2:46:54 Andy Aiken (Neb)
 2:46:54 Gary Furlong (19, NY)
 2:46:55 Jeff Donaldson (NM)
 2:46:56 Les Kinion (36, Md)
 2:46:56 George Tuthill (Mass)
 2:46:57 Dan Moore (31, Cal)
 2:46:57 Jack Petty (Tex)
 2:46:59 Ed Jerome (29, Va)
 2:46:59 Andrew Levinson (Cal)

2:47:00 to 2:47:59
 2:47:00* John Haraughty (33, Kans)
 2:47:02 Joseph Connor (41, NY)
 2:47:06* Israel Robles (NM)
 2:47:07 Bill Morrow (22, NJ)
 2:47:11 Bill Langen (30, Minn)
 2:47:13 Mark Cocker (NJ)
 2:47:15 Gordon Schafer (38, Mich)
 2:47:16* Tom Edwards (16, Cal)
 2:47:16 Greg Gonzales (Nev)
 2:47:17 Bruce Brown (22, Mich)
 2:47:17 Bob Monzingo (34, Cal)
 2:47:17 John Mutai (22, Mass)
 2:47:18 Ken Turner (Wash)
 2:47:20* Ajim Baksh (Cal)
 2:47:23 Lee Ferrero (26, Ill)
 2:47:23 Michael Konig (27, NY)
 2:47:26* Dan Brewer (33, Kans)
 2:47:26 Randall Ohman (18, Minn)
 2:47:28 Tim Donovan (Cal)
 2:47:29* Charles Davenport (19, Tex)
 2:47:30 Edward Heidbrier (19, Mo)
 2:47:31 Dave Waterfill (18, Ind)
 2:47:32 Don Jones (47, Cal)
 2:47:35* Ron Redfield-Lyon (21, NY)
 2:47:37 Don Tate (Cal)
 2:47:39 Jerome Williams (NY)
 2:47:40 Jim Engle (Cal)
 2:47:41* John Duwell (20, Wisc)
 2:47:41 Peter Jeffers (34, NY)
 2:47:41* Jeff Miller (Ariz)
 2:47:42* Bert Lee (Ia)
 2:47:43* Rich Casperson (33, Ida)
 2:47:43 Gary Poltz (20, Cal)
 2:47:44* Eric Goeglein (20, Neb)

2:47:45* Jerry Adams (33, Mo)
 2:47:45 Peter Brill (25, NJ)
 2:47:45 Greg Switzer (Cal)
 2:47:46 Dan Wojcik (17, Cal)
 2:47:48 Bob Kaplan (30, NY)
 2:47:48* Joe O'Shea (29, Ill)
 2:47:49 George Cushmac (34, Va)
 2:47:49 Heywood Harrell (26, NC)
 2:47:50* Ron Fink (Wisc)
 2:47:50* Steve Rodriguez (Jr, Cal)
 2:47:52 Tom Mann (31, Cal)
 2:47:54 Ed Wood (Mass)
 2:47:55 Bill Lindesmith (Wash)
 2:47:55 Hugh Long (Miss)
 2:47:56 David Bronzan (25, Cal)
 2:47:56 John Hardtla (36, Wash)
 2:47:58 Clayton Belmont (Wash)
 2:47:58 James Dow (Mass)
2:48:00 to 2:48:59
 2:48:00 David Aaby (19, Ill)
 2:48:00* Richard Bowman (21, Ill)
 2:48:04 Leon Cox (NY)
 2:48:07* John Blair (Alaska)
 2:48:07 Irwin Merein (23, Cal)
 2:48:08* Darryl Beardall (Cal)
 2:48:08 Dean MacComb (Cal)
 2:48:08 Vichard Venchakul (34, NY)
 2:48:09 Mark Eames (17, Wisc)
 2:48:09* John Hayes (Hawaii)
 2:48:09 Carl Owczarzak (Kans)
 2:48:09 Steve Ruzicka (Kans)
 2:48:10 David Kaiser (Md)
 2:48:11* Tom McAloon (40, Minn)
 2:48:12 DeWitt Paul (NJ)
 2:48:13 Bob Schug (19, Cal)
 2:48:18 Rich Walline (Cal)
 2:48:21* Matt Hassett (31, Ariz)
 2:48:22 Charles Day (31, Cal)
 2:48:22 Thomas Devine (32, ND)
 2:48:22 Dean Powers (21, Wash)
 2:48:30 Lee Fidler (Va)
 2:48:30 Jack Pottle (Colo)
 2:48:31 Robert Wiese (Ia)
 2:48:32 Roy Buchanan (19, Cal)
 2:48:33* Jim De Vasquez (18, Wisc)
 2:48:33 Irwin Zablocky (Pa)
 2:48:35 Bob Horman (55, DC)
 2:48:35 Carlos Pena (Cal)
 2:48:37 Louis Naeger (Mo)
 2:48:38 Martin Cohen (20, Mich)
 2:48:39 T. A. De Lusignan (42, Cal)
 2:48:40 Tim Murray (18, Wash)
 2:48:40 Joe Stewart (19, Wash)
 2:48:40 Kevin Weitz (Md)
 2:48:42 Robert Coffey (41, Tex)
 2:48:42 Bob Rosen (22, NY)
 2:48:43* Ken Buzzell (Cal)
 2:48:44 Dan Black (Mich)
 2:48:44 Robert Sells (17, Cal)
 2:48:45 Larry Berman (Mass)
 2:48:48 David Askren (18, Cal)
 2:48:49* Bob Faetz (20, Ill)
 2:48:49 James Ochse (19, Kans)
 2:48:50 Robert Schrader (34, Ill)
 2:48:51 Tom Hans (22)
 2:48:51 Roger Pekuri (23, Mich)
 2:48:52 Gary Reel (Wash)
 2:48:54 Frank Fish (16, Ind)
 2:48:54 Dennis McNulty (19, Ind)
 2:48:55 Larry Connolly (Pa)
 2:48:55 Ed Dally (Cal)
 2:48:56 Pat Wilson (Mich)
 2:48:57 Paul Riefberg (NY)
 2:48:59 Mark Adamson (17, Ia)
 2:48:59* Hopfensperger (19, Wisc)
 2:48:59 Gregory Rorke (RI)
2:49:00 to 2:49:59
 2:49:00 Joseph Werner (19, Mo)
 2:49:04 Thomas Fort (38, Del)
 2:49:07 Peter Phillips (Mass)
 2:49:07 Brent Weigner (Wyo)
 2:49:09* Tony Leletano (Ariz)
 2:49:09* Hank Nash (20, Ind)
 2:49:10 James Bredy (18, Cal)
 2:49:10 Charles Collier (26, NY)
 2:49:10 Randy Miller (17, Ohio)
 2:49:10 Ken Schneiderei (17, Cal)
 2:49:11 Bill McMullen (20, NY)
 2:49:12 Dave Linton (29, Mass)
 2:49:14 Anthony Geraledi (Cal)
 2:49:16 Jon Brower (Cal)
 2:49:16 Patrick Carey (22, Wash)
 2:49:16 John McLaughlin (RI)
 2:49:17 Vincent Figueroa (20, Cal)
 2:49:17 Merv Ryan (34, Pa)
 2:49:19 Whitney Azoy (Md)
 2:49:20 Terry Brown (NC)
 2:49:20 Francis Sparado (23, NY)
 2:49:20 Gilbert Uresti (18, Cal)
 2:49:21 Peter Mundle (40+, Cal)
 2:49:24 Wayne Lamothe (33, Mass)
 2:49:25 Tom Higgins (34, Ill)
 2:49:25* R. Luding (NM)
 2:49:27* Mike Considine (Ill)
 2:49:27 Phil Suelzer (21, Ill)
 2:49:28 Mark Elmer (NH)
 2:49:28 Bruce Gibbs (35, Wash)
 2:49:28 Michael Shoemaker (19, Va)
 2:49:29 Pat Hannon (Pa)
 2:49:30 Louis Aguiar (Mass)
 2:49:30 David Austin (Mass)
 2:49:30 Charles Perry (23, Conn)
 2:49:32 Bob Kerrick (17, Md)
 2:49:32 Jim Kimple (30, NY)
 2:49:32 Mike Neal (41, Nev)
 2:49:32* Wendall Sullivan (48, Ohio)
 2:49:35 Donald McMillan (19, Mich)
 2:49:35 Dennis Schmidt (25, Mich)
 2:49:37 James Fitzgerald (Md)
 2:49:37 Lou Fritz (30, Nebr)

2:49:37 Barry Weaver (16, Ohio)
 2:49:38 Rich Cebulski (17, Conn)
 2:49:38* Jose Mendez (16, Ill)
 2:49:39 Bob Carman (40+, Cal)
 2:49:39 George Milligan (NJ)
 2:49:40 Lavern Houseman (25, Ia)
 2:49:40 Mark Lynam (NY)
 2:49:43 Gary Chilton (35, Cal)
 2:49:43* Mike Mullen (17, Ill)
 2:49:43 Robert Przelawski (24, Mich)
 2:49:44 Ron Brinkert (Ore)
 2:49:44 Mark Chandler (17, Wisc)
 2:49:44 Frank Aquirre (17, Cal)
 2:49:46 James McMillan (NY)
 2:49:50* Ron Luethe (18, Wisc)
 2:49:51 Dwight Pierson (38, Minn)
 2:49:52 Bill Bredenbeck (35, Ohio)
 2:49:53 Kevin Fellows (Ariz)
 2:49:55 Thomas Hughes (Kans)
 2:49:56 Frank Matoes (22, Cal)
 2:49:56 Bill Mullen (24, Mass)
 2:49:57 Paul Mingo (24, Mich)
 2:49:57* Stephen Yas (Mass)
2:50:00 to 2:50:59
 2:50:00 Dan Brewer (Kans)
 2:50:00 Paul Fisher (19, NY)
 2:50:00 Jim McFadden (33, Ia)
 2:50:01 Dan Anderson (21, Cal)
 2:50:01 Barry Buob (20, Cal)
 2:50:01 Thomas Myers (NY)
 2:50:02 Steve Prouty (Mass)
 2:50:02 Daniel Tejada (21, NY)
 2:50:03 Lairs Hayes (Cal)
 2:50:03 Mike Heslip (Mich)
 2:50:04 Steve Scudder (Wisc)
 2:50:05 Dick Ashley (Wash)
 2:50:06 Robert Ray (20, Ore)
 2:50:06 Earl Swartzendruber (Md)
 2:50:07* Ben Jimson (21, Ill)
 2:50:09 William Murrow (22, NJ)
 2:50:10 Frank McBride (40+, Mich)
 2:50:10 James Samuelson (23, Wisc)
 2:50:11* David Edwards (Ariz)
 2:50:11 Dave Worthen (37, Fla)
 2:50:12* Sean Hartnett (19, Wisc)
 2:50:14 Joe Giamao (17, NJ)
 2:50:15 Mark Kittleson (20, Minn)
 2:50:16 John Cassani (Mich)
 2:50:16 George Crandell (40, Cal)
 2:50:16 Joseph Kenny (15, Ind)
 2:50:16* Al Ruffner (24, Mich)
 2:50:16 Russ Walline (Cal)
 2:50:18 Alex Monterrosa (26, Cal)
 2:50:20 Wlof Goubau (28, NY)
 2:50:20 Jerry Ockerman (26, Cal)
 2:50:22 DeNorris Bradley (NC)
 2:50:23 Robert MacDougall (Mass)
 2:50:24 Charles Ratti (43, Mass)
 2:50:25 Tom Blake (18, Cal)
 2:50:27 Ron McDonald (Ark)
 2:50:27 Mike McDonnell (31, Okla)
 2:50:27 Dick Gustafson (30, Ore)
 2:50:27 Ron Sterling (29, Ind)
 2:50:28* Kurt Kleinaw (16, Ill)
 2:50:29 Keith Blackmore (21, NY)
 2:50:29 Byron Mundy (25, Pa)
 2:50:30 Phillip Florence (33, Ohio)
 2:50:30 Brian Freeman (47, Cal)
 2:50:30 John Lizza (Mich)
 2:50:36 Francis Byrt (Mass)
 2:50:36 Curtis Schweiger (24, Ore)
 2:50:36 Ernie Wake (43, Cal)
 2:50:37 Bill King 40+, Pa)
 2:50:38 Paul Askins (18, Wisc)
 2:50:38* Frank Lee (21, Cal)
 2:50:39 Craig Lewis (Ill)
 2:50:40 Don Coffman (30, Ind)
 2:50:41 Gary Cook (17, Cal)
 2:50:41 Richard Stukej (17, NJ)
 2:50:44 David Coyne (NY)
 2:50:46 Fred Mansueto (30, Cal)
 2:50:46 Joe Messina (27, NY)
 2:50:48 Jim Patterson (NY)
 2:50:50 Dave Duvall (Mass)
 2:50:53 Wayne Brewer (Wash)
 2:50:53 Brian Savilonis (Conn)
 2:50:54 Ted Farmer (Mich)
 2:50:54 Bill Gates (Tenn)
 2:50:57 Kirk Pfeffer (16, Cal)
 2:50:57 Norm Simon (Cal)
 2:50:58 Robert Ribyat (NY)
 2:50:59 Lindsay Delaplaine (Md)
 2:50:59 Jack O'Rourke (Mass)
2:51:00 to 2:51:59
 2:51:00 Michael Coke (Cal)
 2:51:00 William Hemphill (24, Pa)
 2:51:00 Don Lindaur (31, NY)
 2:51:00* John Schauble (33, Minn)
 2:51:00 Richard Welsh (41, NJ)
 2:51:01* Dean King (25, Cal)
 2:51:01* Roger Villers (Ia)
 2:51:03 Josh Arnold (22, Ohio)
 2:51:05 Richard Jamborsky (36, Va)
 2:51:05 Michael Ward (Md)
 2:51:06* Herb Kimpel (Wisc)
 2:51:07 Robert Meminger (Pa)
 2:51:08 Wayne Baker (Conn)
 2:51:11 Tom Boone (Mass)
 2:51:11 Carlos Mora (44, Cal)
 2:51:13* Alexander Turner (29, Ohio)
 2:51:13 Robert Williams (18, Pa)
 2:51:14* Keith Jacobi (21, Ill)
 2:51:15 John Kelly (43, Cal)
 2:51:15 Jim Simonik (Wisc)
 2:51:17 Charles Dyson (Conn)
 2:51:17 David Mackesey (17, Wisc)
 2:51:20 David Black (18, NJ)
 2:51:20 Nick Hoogenraad (31, Cal)
 2:51:22 Fred Walker (34, NY)
 2:51:23 Louis Daugherty (32, Cal)
 2:51:23 Jim Eisenberg (22, NJ)

2:51:23* A. Rodeny (NM)
 2:51:25 John Druba (NY)
 2:51:25* Mitch Wiley (Wyo)
 2:51:26 Mike Hagmeier (15, Ore)
 2:51:26 William Linse (30, Wisc)
 2:51:27 Michael Hall (21, Wash)
 2:51:28 Bill Wilkins (18, Ill)
 2:51:29* Robert Condon (Conn)
 2:51:29* Don Everett (Tex)
 2:51:30* Alan Kleinsasser (Cal)
 2:51:30 Thomas Majors (20, Ind)
 2:51:32 Stewart Mowry (Kans)
 2:51:32 Alan Sanborn (22, Cal)
 2:51:33* Ron Chase (24, Fla)
 2:51:35 Paul Hamilton (Colo)
 2:51:36 Victor Devinatz (Ill)
 2:51:36 William Ghiorse (32, NY)
 2:51:36* Tom Lambert (17, Ill)
 2:51:37* Richard Kempe (Jr, Ohio)
 2:51:37 Edward Sandifer (NH)
 2:51:37 Rene Zamarillo (Cal)
 2:51:38 Ron Iff (Ore)
 2:51:38 Larry Reyes (Cal)
 2:51:40 David Clark (20, NY)
 2:51:41 Dick Buerkle (26, NY)
 2:51:43* Jeff Jones (17, Ill)
 2:51:43 Gene Wise (NY)
 2:51:46 Charles Miller (17, NJ)
 2:51:48 Larry McDonald (19, Okla)
 2:51:49 Kenneth Baker (Md)
 2:51:50 Tom Knatt (Mass)
 2:51:53 John Rayburn (37, Ohio)
 2:51:53 James Taylor (Mass)
 2:51:54 John Burns (Cal)
 2:51:54 Lon Stewart (23, Wash)
 2:51:56* Bill Fox (31, Mo)
 2:51:57* Gary Hardin (Tex)
 2:51:57 Willie Speck (Mass)
 2:51:57 Jerry Swartsley (32, Ore)

2:52:00 to 2:52:59
 2:52:04 Roger Tootaman (Ohio)
 2:52:06 Joseph Gill (Md)
 2:52:06* Craig Johnson (20, Ind)
 2:52:07 Harry Ainsleigh (25, Cal)
 2:52:07 Bob Creighton (Kans)
 2:52:07 Mike Healy (40, Cal)
 2:52:07* Neil Hoseman (17, Ill)
 2:52:09 Dennis Reid (24, Ind)
 2:52:12 David Koss (20, Ind)
 2:52:15 Ronald Hebert (30, Ore)
 2:52:15* John Pfeil (18, NY)
 2:52:16 Don Choi (Cal)
 2:52:16 David Slaughter (17, Ind)
 2:52:18 Allan Laskowski (30, NY)
 2:52:19 Ed O'Neil (29, NJ)
 2:52:19 Mark Shonerd (Va)
 2:52:22 Michael Benton (Md)
 2:52:23 Mike McGarr (Ore)
 2:52:26* Francisco Bustamante (16, Cal)
 2:52:26 Steven Reid (Md)

2:52:27* Michael Robins (18, Ohio)
 2:52:30 Jack Hackman (Cal)
 2:52:30 Gerald Hastings (Ala)
 2:52:30 Bob Reinertsen (30, NY)
 2:52:33 Michael Cattell (17, Wash)
 2:52:33 David Cuthiell (NY)
 2:52:33 Bob O'Brien (37, Md)
 2:52:36 Eduardo Surman (Cal)
 2:52:38 Fred Albright (26, Wisc)
 2:52:38 John Geer (26, Cal)
 2:52:39 Dave Warren (15, Ill)
 2:52:40 Tom Lowry (Cal)
 2:52:42 Tom Gleason (31, Cal)
 2:52:42* Mike Novotny (19, Ill)
 2:52:42 Jay Romais (Cal)
 2:52:43 Art Duhaime (41, Va)
 2:52:43 David Soukup (39, Wash)
 2:52:44 William Carley (23, Ore)
 2:52:47* James Drews (Wisc)
 2:52:50 Mike Bergkamp (19, Cal)
 2:52:50 Paul Farrier (Md)
 2:52:50 David Hounak (18, Pa)
 2:52:50 Robert Watanabe (Cal)
 2:52:52 Jerry Smith (33, NJ)
 2:52:53 Kay Campbell (NJ)
 2:52:53* Dan Giauque (18, Ohio)
 2:52:53* Lynn Lee (23, Ia)
 2:52:54 David Roche (Vt)
 2:52:55 Jonathan Eber (Mass)
 2:52:55 Guy Yoe (Tenn)
 2:52:56 Ross Cardinali (23, Cal)
 2:52:57 Thomas Antizal (Wisc)
 2:52:58 Gordon Bess (18, Ill)

2:53:00 to 2:53:59
 2:53:00 John Schurbert (20, Pa)
 2:53:02 Mark Foster (Colo)
 2:53:03 Rick Hill (Ky)
 2:53:03 Greg Jacob (27, Ore)
 2:53:04* Ruben Guillen (Jr, Cal)
 2:53:04 Mark Sisson (Mass)
 2:53:05 Eugene McMerriman (Conn)
 2:53:06 Mike Sims (Ohio)
 2:53:07 Len Thornton (42, Cal)
 2:53:08* Nat Goodhue (Alaska)
 2:53:08 Paul Singer (Mich)
 2:53:09 Dennis Leach (NY)
 2:53:09 Frank Rodriguez (Cal)
 2:53:10 Scott Dunham (19, Mo)
 2:53:10 Don Slocumb (38, Tex)
 2:53:11 Don Cannon (18, Wash)
 2:53:13 Thomas Coyle (Md)
 2:53:16* Greg Galen (18, Ill)
 2:53:17 Don Pemberton (18, Cal)
 2:53:19* Dave Casillas (17, Ill)
 2:53:20 Jim Ewing (34, Tex)
 2:53:23 Dave Hoover (17, Ill)
 2:53:25 John Carron (21, No)
 2:53:25 Jeff Kemp (NJ)
 2:53:25 Jerry Maschger (18, Mo)
 2:53:25 Crispin Roaque (17, Cal)

2:53:26 Dave Bruhn (Jr, Cal)
 2:53:26 Don Granberg (Mo)
 2:53:26 Tom Madden (Conn)
 2:53:26 Bob Slick (Cal)
 2:53:27 Charles Gibbs (Tenn)
 2:53:28 Rimantas Pencyla (35, Ill)
 2:53:30 Cliff Comanor (24, NY)
 2:53:30 Andrew Dover (29, Pa)
 2:53:31 Larry Fowler (Ark)
 2:53:31 Bennett Beach (DC)
 2:53:31 Wayne Zook (56, Cal)
 2:53:34* Dalvin Baekler (Jr, Ohio)
 2:53:34* Eldon Jones (Jr, Ohio)
 2:53:35* John Ammerman (21, Ill)
 2:53:36 Gabriel Hiza (30, Va)
 2:53:36 Walter Roose (24, DC)
 2:53:37 Tim Anderson (Cal)
 2:53:37 Vito Barbara (19, NY)
 2:53:37 Bruce Bond (Conn)
 2:53:37 Norm Friedman (27, NY)
 2:53:37 Tom Gardner (Pa)
 2:53:37 Robert Johnson (Mass)
 2:53:38 Vin Fandetti (40+, Conn)
 2:53:38 Lorne Kenyon (Mo)
 2:53:38* Steve Stephenson (42, Ariz)
 2:53:40 Teri Anderson (19, Kans)
 2:53:40 Alan Hoffman (Mass)
 2:53:42 Glen Dorrrough (31, Okla)
 2:53:43 Larry Wiles (24, Ore)
 2:53:45 Mark Buren (Jr, Cal)
 2:53:45* Forest Simmons (25, Utah)
 2:53:46 Joel Lobel (27, Nev)
 2:53:46* Gerald Miller (Ohio)
 2:53:46* Vic Perez (17, Cal)
 2:53:47 Jack Gale (28, Pa)
 2:53:47 John Weiss (39, NY)
 2:53:48 Phil Heit (29, NY)
 2:53:48 Stuart Ruth (36, Cal)
 2:53:49 Thomas Doyle (NJ)
 2:53:49 Frank Weber (NJ)
 2:53:50 Bob Barnett (15, Cal)
 2:53:53* Dave Waddle (Ia)
 2:53:54* Klano Praesent (Ia)
 2:53:54 Bruce Woodford (22, Ohio)
 2:53:54 Vlastimil Zak (NH)
 2:53:55 Doug Allen (33, NY)
 2:53:56 John Hurley (NY)
 2:53:57 Larry Pontinen (29, Cal)
 2:53:59* David Drexler (Wisc)

2:54:00 to 2:54:59
 2:54:00 Robert Marshall (16, Ill)
 2:54:01* Jim Schaefer (Wisc)
 2:54:03 Gary Grosz (Cal)
 2:54:03 Allen Millen (16, Ill)
 2:54:03* Pat O'Malley (Cal)
 2:54:03 Richard Schupback (32, Cal)
 2:54:04* Dave Cloeter (19, Neb)
 2:54:05 Dave Crockett (Cal)
 2:54:05* Bob Catrell (Ohio)
 2:54:06 Randy Dunlevie (19, Cal)

2:54:06* Tom McGuire (19, Pa)
 2:54:06 Ted Oliver (Cal)
 2:54:07* Glen Leckman (Utah)
 2:54:09 Lawrence Bayer (Mass)
 2:54:09 Allan Kirik (29, NY)
 2:54:09* Wayne Lucas (Conn)
 2:54:10 Charles Ross (35, Md)
 2:54:11 Gordon Spicer (Ohio)
 2:54:12 Sam Bosetti (42, Hawaii)
 2:54:14* Todd Davis (15, Cal)
 2:54:15 Joseph Vance (42, Wash)
 2:54:16* Sergio Alarcon (15, Ill)
 2:54:16* Gary Bryan (16, Ohio)
 2:54:16 Bob Cyedke (Jr, Ill)
 2:54:17* Ken Kendall (22, Cal)
 2:54:17 Peter Mattei (49, Cal)
 2:54:18 Joseph Magnan (16, Cal)
 2:54:18 Ronald Wilcox (Md)
 2:54:19 Larry Anderson (16, Fla)
 2:54:19 William Newlin (Md)
 2:54:20 Gerald Laurin (Miss)
 2:54:23 Mike Conley (NC)
 2:54:23 Ed Anderson (Jr, Kans)
 2:54:23 Joseph Vance (43, Wash)
 2:54:23 Joe Viverito (40, NY)
 2:54:25 Lawrence Farrell (25, NY)
 2:54:25 John Raferty (16, Mich)
 2:54:25 Jack Vick (18, Ill)
 2:54:26 Steve Williams (20, Cal)
 2:54:27 Randy Knox (30, Ore)
 2:54:28* Eric Olson (Cal)
 2:54:28 Jay Birmingham (Ohio)
 2:54:28 Bill Snavely (41, Cal)
 2:54:30 Mike Colangelo (Jr, NJ)
 2:54:31* Bert Meyers (18, Ill)
 2:54:32 Edward Kovacs (19, NY)
 2:54:33 Eugene Quinn (RI)
 2:54:34 Adam Ferreira (W Ger)
 2:54:36 Robert Anderson (18, NY)
 2:54:36 Joe Connelly (40+, Mass)
 2:54:36* John Fisanotti (Jr, Cal)
 2:54:36 James Holl (28, Cal)
 2:54:38 James Harper (Cal)
 2:54:40 James Draper (Md)
 2:54:40 Al Honma (Mich)
 2:54:41* Mark Orr (15, Cal)
 2:54:42 Bob Roncker (29, Cal)
 2:54:43 Ralph Jones (Ala)
 2:54:44 Carl Glatze (Wash)
 2:54:44 Mark Hilton (Jr, Cal)
 2:54:44 Richard King (NC)
 2:54:44* Mickey Sullivan (25, Okla)
 2:54:46 James Brianson (Cal)
 2:54:46* Aaron Goldman (40+, Nev)
 2:54:46 Philip Marston (25, Cal)
 2:54:48 John Hale (31, Conn)
 2:54:48 Steve Streeter (Conn)
 2:54:49 Glenn Ayres (Mass)
 2:54:49 Steve Stokowski (17, Ill)
 2:54:50* Jon Brooker (17, Cal)

2:54:51* Paul Reese (55, Cal)
 2:54:51 Robert Spousta (Mass)
 2:54:52 Bob Dehority (40, Cal)
 2:54:52 David Hogle (Colo)
 2:54:54 Kim Magana (Cal)
 2:54:55 Jim Keiser (NJ)
 2:54:57 Sal Calterella (Cal)
 2:54:57 Kim Murphy (Conn)
 2:54:59 Dieter Diekmeyer (41, Cal)
 2:54:59 Chuck Hughes (19, Wash)
 2:54:59* Karlton Naylor (36, Kans)

2:55:00 to 2:55:59

2:55:00* Stephen Molnar (Pa)
 2:55:01 Phil Heath (29, Mass)
 2:55:01 Bob Guyan (41, Cal)
 2:55:01 Dave Littlehales (24, NY)
 2:55:02 Dennis Patterson (Kans)
 2:55:02 Robert Zoellick (Pa)
 2:55:02 Ralph Stadelman (27, Mich)
 2:55:03 Jim Roseboon (17, NY)
 2:55:03 Jim Peichele (Cal)
 2:55:03 Williamson (16, Ore)
 2:55:03 Ragnar Thanning (Cal)
 2:55:04* Steve Naylor (30, Utah)
 2:55:04 Vic Weber (39, Cal)
 2:55:05 Edward Norberg (31, Cal)
 2:55:05 Bruce McLean (Wash)
 2:55:07 Robert Conn (NJ)
 2:55:08* George Groezinger (18, lu)
 2:55:08* Joe Dabill (25, Cal)
 2:55:09 Bill Peck (32, Cal)
 2:55:10 Auldon Johnson (41, Minn)
 2:55:11 Norman Alsobrook (42, Tex)
 2:55:11 John Notch (24, Hawaii)
 2:55:12 Edward King (Conn)
 2:55:12 Richard Gentry (15, Cal)
 2:55:12* Jon Wallace (18, Ore)
 2:55:14 Rudy Dressendorfer (Cal)
 2:55:14 Richard Levy (Cal)
 2:55:14 Paul Johnson (Mass)
 2:55:15 Steve Holme (Cal)
 2:55:15 John Cooke (Mass)
 2:55:15 Cunningham Thomas (Mass)
 2:55:16 Kent Guthrie (36, Cal)
 2:55:16 Bill Ward (Kans)
 2:55:17 Gary Ortner (31, Wash)
 2:55:18 Glenn Hall (Md)
 2:55:19 Tom Cook (Pa)
 2:55:19 Gary Pierce (NJ)
 2:55:21 Justin Halpern (17, Md)
 2:55:22 Seth Bowman (14, Wash)
 2:55:22 John Patrick (18, Ore)
 2:55:23 Paul Thurston (50+, DC)
 2:55:24 Steve Ross (27, Wisc)
 2:55:25 Greg Adams (Cal)
 2:55:28 Mark Sperre (Ga)
 2:55:30 Martin Carle (16, NY)
 2:55:30 Frank Gaval (NY)
 2:55:31 (Unidentified, Boston)
 2:55:32 Wayne Dey (Ore)

2:55:33 Anthony Stagliano (Cal)
 2:55:34 Michael Lough (17, Wash)
 2:55:35 Brian Jeffs (35, Cal)
 2:55:36 Don Granberg (31, Mo)
 2:55:36 Stephen Lorenz (29, Md)
 2:55:37 Ben Lundkuist (24, Cal)
 2:55:38 Larry Hanson (18, Cal)
 2:55:39 Kevin Wiley (Mass)
 2:55:40 Frank Katterman (40+, NY)
 2:55:40 Al Meehan (32, Conn)
 2:55:41 Allen Peterson (Cal)
 2:55:43 Earl Coleman (Md)
 2:55:44 Jan Olson (Mass)
 2:55:44* Phillip Stanforth (SD)
 2:55:45 Lester Page (29, Md)
 2:55:45 Wulfram Koehler (25, Wisc)
 2:55:45 Gary Wiener (20, Mass)
 2:55:51 William Jovall (Mass)
 2:55:51* Robert Lynch (28, Ind)
 2:55:52 Ken Blakely (18, Cal)
 2:55:53 Douglas Logsdon (20, Wash)
 2:55:54 Danny Urriaga (24, Cal)
 2:55:55 Dennis Grillenhall (NJ)
 2:55:56 John Coyle (NJ)
 2:55:57 Ray White (28, Cal)
 2:55:57 John Swain (Jr, Cal)
 2:55:58 Dan Baszler (17, Ore)
 2:55:58* John Cappis (NM)
 2:55:58* William Whiton (Asaska)
 2:55:59 Jeff Gold (16, NJ)
 2:55:59 Jeff Vampas (18, Mich)

2:56:00 to 2:56:59

2:56:00 Ken Blaydow (Cal)
 2:56:00 Mike Durdovic (Mass)
 2:56:00 Jim Reichle (15, Cal)
 2:56:01 John Barbour (Wash)
 2:56:01 Thomas Messer (Md)
 2:56:02 George Bakatsias (NC)
 2:56:02 Wayne Aiken (NY)
 2:56:03* David Saylor (Cal)
 2:56:03* J. Garcia (NM)
 2:56:04* Mark Case (18, Ind)
 2:56:04* Larry Heidebrecht (Utah)
 2:56:04 David Hutchins (29, Mich)
 2:56:05 Kevin Crowley (Mass)
 2:56:05 John Hack (31)
 2:56:05* Dave Walker (Utah)
 2:56:07 Steve Dubin (17, Cal)
 2:56:07 Jeff Brody (16, Cal)
 2:56:07 Graham Huston (31, Va)
 2:56:07* Henry Shawnee (Okla)
 2:56:08 Jim Olesen (50+, Cal)
 2:56:09 (Unidentified, Culver City)
 2:56:10 Joe McCool (Pa)
 2:56:10 Jim Edmondson (Cal)
 2:56:10 John Routh (19, Cal)
 2:56:11 Daniel Russell (41, NJ)
 2:56:11 Rod Smith (22, Cal)
 2:56:11 Albert Wick (Pa)
 2:56:14 Dan Dwyer (Kans)

2:56:15 Theodore Bick (NY)
 2:56:15 Robert Gray (Mass)
 2:56:20 Dan Goodrich (27, Miss)
 2:56:20 John Joyce (29, Ill)
 2:56:20 Fernie Montanez (32, Cal)
 2:56:20 Arne Richards (40, Kans)
 2:56:21 Gerald Good (40+, Mass)
 2:56:21* Sal Sitareua (Cal)
 2:56:22 George Sanborn (NY)
 2:56:25* John Browne (21, Kans)
 2:56:25 Jim Gray (30, Okla)
 2:56:25 Ted Jenes (Wash)
 2:56:25* Joe Kelly (Ohio)
 2:56:28 Barry Glennan (Cal)
 2:56:29 Joe Wommack (Kans)
 2:56:30 Jim Van Manen (Cal)
 2:56:30 John Romero (43, Nev)
 2:56:32 Robert Dail (Cal)
 2:56:32 David Mills (18, Cal)
 2:56:32 Michael Thenell (23, Ore)
 2:56:33 Mike Feis (jr, Cal)
 2:56:33* Bill Dawson (Pa)
 2:56:34 Tom Bleakley (33, Mich)
 2:56:35 Dick Croteau (Cal)
 2:56:35 Irv Frawley (36, NY)
 2:56:36* Sigurd Larson (37, Ill)
 2:56:37* Gary Wilcox (Ia)
 2:56:38 Robert Hempton (Del)
 2:56:38 Roger Johnston (19, Minn)
 2:56:38 Larry Langer (26, NY)
 2:56:39 Bill Flint (19, Cal)
 2:56:40 Chris Brady (Mass)
 2:56:40 John Ragan (28, Ill)
 2:56:44 Don Fass (Wisc)
 2:56:44 Edward Williams (NH)
 2:56:45 Hank Devine (Mass)
 2:56:46 Jim Lilliefors (17, Md)
 2:56:47 Richard Collard (Mass)
 2:56:48* John Peterson (NM)
 2:56:48 Chris Watnes (Cal)
 2:56:51 John Long (Mass)
 2:56:52 John Gamche (22, Cal)
 2:56:52 Tom Jordan (17, Cal)
 2:56:53 Robert Armstrong (Mass)
 2:56:54 Rex Dietderich (48, Cal)
 2:56:55 Richard Hallacy (Colo)
 2:56:55 John Brennan (NY)
 2:56:55 Ted Seymour (Cal)
 2:56:56 Frank McCabe (55, Colo)
 2:56:57 Francis Handelman (NY)
 2:56:57 Fred Helms (28, Del)
 2:56:58 Steven Henson (18, Ore)
 2:56:58* Richard Marshall (Ohio)
 2:56:59 Glenn Charbonneau (mass)
 2:57:00 to 2:57:59
 2:57:00 Paul Cantrell (20, WV)
 2:57:00 Flory Rodd (50, Cal)
 2:57:00 Donald Morris (Mich)
 2:57:04 Charles Benarroch (32, Cal)
 2:57:04 Stanley Chapin (Wash)
 2:57:07 John Karol (Pa)
 2:57:04* John Kotsubka (40+, Wisc)
 2:57:07 Nina Kuscsik (34, NY)
 2:57:07 Perry Longaker (Mass)
 2:57:08 Don Peterson (39, Cal)
 2:57:09 William Brown (26, Tex)
 2:57:09 Steve Flanagan (Conn)
 2:57:10 Ronald Berby (Colo)
 2:57:10 Rick Nulty (Fla)
 2:57:10 Richard Walker (Jr, Wash)
 2:57:11 Frank Wick (Pa)
 2:57:12 Mike Burns (Va)
 2:57:12 John Murphy (22, NY)
 2:57:12 (Unidentified, Boston)
 2:57:13 Richard Westbrook (Fla)
 2:57:14 Jim Dunne (48, Wash)
 2:57:15 Darty Cronin (Cal)
 2:57:15 Richard Dalley (42, Wash)
 2:57:15 Francis Wylam (16, Ore)
 2:57:16* Michael Kenyon (28 Ill)
 2:57:17* Bill Kalal (20, Ohio)
 2:57:18 Michael Cychosz (26, Wisc)
 2:57:18* Maxwell Nichols (Pa)
 2:57:18 Eric Smith (30, NY)
 2:57:19 Ivan Taylor (Ariz)
 2:57:20 Bill McCray (23, Cal)
 2:57:20 (Unidentified, Boston)
 2:57:21* Charles Barone (36, Cal)
 2:57:21 Brad Pinkstaff (19, Ore)
 2:57:22 Chris Kelk (30, NY)
 2:57:22 Bill Kirchmier (42, Cal)
 2:57:22 David Pengelly (22, Wisc)
 2:57:22 Charles Shippee (20, Cal)
 2:57:22 William Walker (Va)
 2:57:23 Jay Lucas (30, Minn)
 2:57:23 Bruce Milliman (20, Md)
 2:57:23* Daniel Sheeran (45, Cal)
 2:57:25 Peter Klopfer (43, NC)
 2:57:26 Mark Kelly (NJ)
 2:57:27* Duane Holz (41, Wisc)
 2:57:27* Pete Richards (38, NM)
 2:57:27 (Unidentified, Palos Verdes)
 2:57:29* Sam Nicholson (43, Cal)
 2:57:30 Ed Arenz (23, Minn)
 2:57:30 Lewis Benedict (25, Wash)
 2:57:30 John Ross (35, NJ)
 2:57:31 Joseph Cleary (48, ND)
 2:57:31* Frederick Schwartz (19, Ohio)
 2:57:32 Robert Green (Colo)
 2:57:34* Albert Becken (41, Okla)
 2:57:34 Brian Moroney (16, Cal)
 2:57:35 Tom Andriola (20, NY)
 2:57:38 Gerard Benedict (27, NY)
 2:57:40* Richard Murray (21, Ill)
 2:57:41 Bill Buhmann (Ill)
 2:57:42 Harry Berkowitz (32, NY)
 2:57:42 Tom Stoothoff (22, NY)
 2:57:42 Tom Webb (35, Tenn)
 2:57:43 Frederick Gordon (Mass)
 2:57:46 Glenn Jewell (18, Cal)

2:57:48 Bob Arce (Cal)
 2:57:49 Bruce Drum (Md)
 2:57:49 Dave Holland (Cal)
 2:57:49* Dwight Pierson (Minn)
 2:57:49* James Stender (21, Ore)
 2:57:50* Bill Rasmussen (Mo)
 2:57:50 Paul Swenson (26, Mass)
 2:57:32 Marvin Rowley (33, Cal)
 2:57:52 David Vaney (28, Ohio)
 2:57:55 Mike Attena (29, NY)
 2:57:55 Herb Weisheit (42, Cal)
 2:57:56* Craig Bemby (17, Ohio)
 2:57:56 Dennis Matheson (34, Tex)
 2:57:57* Richard Bellis (Ark)
 2:57:57 David Hult (34, Ore)
 2:57:58 Christopher Gregg (16, Ore)
 2:57:58 Victor Sipes (Mich)
 2:57:58 Ronald Henson (26, Ore)
 2:57:58 Robert Steiner (26, Ore)
 2:57:59* John Janelle (Colo)
2:58:00 to 2:58:59
 2:58:00 George Davall (Cal)
 2:58:00 Richard Madison (50, Mich)
 2:58:00 Rick Martin (18, Mo)
 2:58:00 Joe Martinez (Colo)
 2:58:00 Bill Scott (25, Cal)
 2:58:02* Doug Chase (24, Ill)
 2:58:02 Carl Hult (Cal)
 2:58:02* Jim Nadeau (Minn)
 2:58:05* Fred Geswein (25, Ind)
 2:58:06 Robert Gehl (44, Cal)
 2:58:07* Arlo Antipas (21, Ill)
 2:58:08* Robert Lujan (Jr, Cal)
 2:58:08 Stephen Whalen (Me)
 2:58:09 Jeff Hawley (Wisc)
 2:58:11 Paul Croissant (17, Wisc)
 2:58:13 Norm Lumian (Cal)
 2:58:13 Beau Willis (16, Cal)
 2:58:14 Chris Huelings (Cal)
 2:58:15 Thomas Armstrong (Conn)
 2:58:15 George Klipan (Ohio)
 2:58:16 Gary Cisneros (16, Cal)
 2:58:16 John Durland (Mass)
 2:58:16 Hal Thackrey (19, Wash)
 2:58:17 James Lytle (DC)
 2:58:19 Doug Roby (19, Ohio)
 2:58:20* Russ Brabenec (21, Cal)
 2:58:20 Dennis Bracher (Cal)
 2:58:20 Ron Knowlton (40, Ill)
 2:58:20 Thomas Solak (28, Ohio)
 2:58:20 Torgny Thorp (La)
 2:58:21 Turyne (jr, Ill)
 2:58:22 Bill Lamb (Cal)
 2:58:22* John Pagliano (Cal)
 2:58:22 Marty Sullivan (43, Va)
 2:58:23 Jim Conaway (18, Mo)
 2:58:23 Bob Jaeger (NJ)
 3:58:23 Dave Nichols (17, Cal)
 2:58:24 Alan Rothenbacher (Ore)
 2:58:25 John Frey (45, Ore)
 2:58:26 John Beaton (Cal)
 2:58:28 Walt Van Zant (34, Cal)
 2:58:29* Ted Carlson (28, Ill)
 2:58:30 Wes Bruner (Fla)
 2:58:31 Carl Kammen (50+, RI)
 2:58:31 Roland Lass (Mass)
 2:58:31 Richard Sexton (Ill)
 2:58:32 Jeff Richman (NY)
 2:58:35* Ivaria (NM)
 2:58:36 Burt Davis (Cal)
 2:58:36 Larry Story (30, Tex)
 2:58:39 Charles Jones (NC)
 2:58:39* Mark Lohman (15, Ohio)
 2:58:39* Bill Turley (Conn)
 2:58:40 Gary Knapp (NY)
 2:58:40* Jerry Miller (Ohio)
 2:58:41 Ron Barker (26, Idaho)
 2:58:44 Phil Grafe (La)
 2:58:45 Ted Jones (Cal)
 2:58:47 Jack Beasley (Ind)
 2:58:47 Larry Bruce (34, Ind)
 2:58:47 Mike Hartman (NJ)
 2:58:48* Cory Thompson (17, Utah)
 2:58:49 Jim Doran (NJ)
 2:58:49 Jerry Jones (Ariz)
 2:58:50 David Berman (25, NY)
 2:58:50* T. Seanlor (NM)
 2:58:50 Alan Witcher (21, Cal)
 2:58:51 Don Bennette (20, Cal)
 2:58:52* Mike Huber (21, Ind)
 2:58:52 Steve Piercy (21, Ill)
 2:58:53* John Notar (Ill)
 2:58:53* Gary Peters (18, Ind)
 2:58:53 Martin Roller (Ill)
 2:58:54 Edward Butrick (Mass)
 2:58:54* Tom Miller (31, Ill)
 2:58:57 Scott Crabirks (28, Va)
 2:58:57 Norman Lee (37, Md)
 2:58:— Jack Bacheler (29, NC)
2:59:00 to 2:59:59
 2:59:01 Craig Tsiminaki (Mich)
 2:59:04 Jon Robertson (31, Wash)
 2:59:04 Jorge Sotelo (22, Tex)
 2:59:05 Jeff Rigdon (19, Cal)
 2:59:06 Bernard Hamrock (NY)
 2:59:06 John Hepner (41, Ore)
 2:59:07* Roger Eischens (Wisc)
 2:59:07 Tom Kempf (48, Okla)
 2:59:08 Dick Bentsen (Ore)
 2:59:09 Dean Shonts (NJ)
 2:59:09 Dave Weilinga (Cal)
 2:59:10* Dana Moessner (16, Ohio)
 2:59:10 Ralph Taitte (30, Tex)
 2:59:12 Margie Norem (20, Ariz)
 2:59:13 Marie McCabe (Ill)
 2:59:13 Gary DeWitt (Cal)
 2:59:13 Don Hall (17, NJ)
 2:59:13 Robin Shipman (19, Ind)
 2:59:13 Ron Tab (19, Mo)
 2:59:14 Willie Jeffcoat (Va)

2:59:15 Pete Hanson (30, Cal)
 2:59:15 John Naukam (Okla)
 2:59:16 (Unidentified, Boston)
 2:59:16 Paul McSorley (Pa)
 2:59:17 Avery Bryant (Cal)
 2:59:18 Mark Gottescdiener (Conn)
 2:59:18 Cody Bakkila (Cal)
 2:59:18 Bill Stuart (Ore)
 2:59:19 Dave Carson (Cal)
 2:59:20 Robert Baker (Cal)
 2:59:20 Jerry Kokesh (23, Mo)
 2:59:23* David Dodd (35, Utah)
 2:59:23 Richard Terhune (Wisc)
 2:59:24 Jim Allen (50+, Cal)
 2:59:25 Gerard LeBlanc (19, NY)
 2:59:25* Charles Pettman (21, Ill)
 2:59:26 Nick Greco (32, Va)
 2:59:30 David Chatfield (Cal)
 2:59:30 Wayne Jones (30, Tex)
 2:59:31 Tim Sheehan (Md)
 2:59:32 Chip Hottela (jr, Cal)
 2:59:33* Greg Moran (Ariz)
 2:59:34 Russ Surkamer (18, Ore)
 2:59:35 Tim Engel (Nebr)
 2:59:36* Larry Swanson (22, Ill)
 2:59:38 Don Davis (30, Ore)
 2:59:38 Dave Heterman (Conn)
 2:59:38 Douglas Kelker (32, Wash)
 2:59:38 David Lawrence (19, Md)
 2:59:40 Stanley Brewer (La)
 2:59:40 Ben Buckner (Ohio)
 2:59:40 Jon Lehman (19, Cal)
 2:59:41 Lou Paquin (Mass)
 2:59:42 Chuck Chillingworth (16, Cal)

2:59:42* Jeffrey Rosenblatt (18, Wisc)
 2:59:43* Steve Fuller (Cal)
 2:59:43 Robert Ensminger (19, Tex)
 2:59:43 Bert Dyer (17, Cal)
 2:59:43 David Vanden Broek (32, NC)
 2:59:44 Paul Bellizzi (16, Cal)
 2:59:44 Harold Parker (Kans)
 2:59:44 Walter Giller (Ark)
 2:59:44* Jeff Schemmel (Kans)
 2:59:45* Maurice Degener (Utah)
 2:59:45 Don Roth (28, Cal)
 2:59:45* Charles Sprandel (39, Ohio)
 2:59:47* Mike Moore (15, Ill)
 2:59:47 Darrell Jeong (21, Cal)
 2:59:47 Park Peterson (32, Wash)
 2:59:49 Gerry Haslam (36, Cal)
 2:59:50 Michael Berry (Vt)
 2:59:51* Bill Kanan (Jr, Mo)
 2:59:51* Jeff Davis (29, Ill)
 2:59:52 Doug Crichton (Ore)
 2:59:52 Mike Larsen (22, Cal)
 2:59:53 Steven Kellog (Cal)
 2:59:53 Russell Giacofei (19, NY)
 2:59:53* Steve Fleenor (24, Ind)
 2:59:53 James Andrews (NY)
 2:59:53 Gary Santti (19, Mich)
 2:59:54 Joe Taxiera (Cal)
 2:59:55 Brice Hammerstein (Cal)
 2:59:55 Stanley Goss (Cal)
 2:59:56 Sam Gratch (40+, NY)
 2:59:57 David Hopkins (NY)
 2:59:58 Ray Hyman (44, Ore)
 2:59:59* Joe Jordan (19, Fla)

CANADIAN MARATHONING

COMPILED BY NORM PATENAUDE

Few runners have ever had the consistently high quality of racing that Brian Armstrong did in 1973. He ran three races with less than 14 seconds separating the times. And they are the fourth, fifth and sixth fastest in Canadian history. Yet Jerome Drayton slipped in ahead of Brian with his and Canada's third fastest ever.

The country's 50th best time is now 1½ minutes faster than it was just a year ago.

See the "late news" section in the back of the booklet for possible additions or corrections. (* = uncertified course.)

All-Time National List

1. Jerome Drayton (24)	2:11:12.2	Fukuoka, Japan	7 Dec 69
2. Jerome Drayton (24)—2	2:12:00	Detroit, Mich.	19 Oct 69
3. Jerome Drayton (28)—3	2:13:26.8	St. Johns, Nfld.	15 Sep 73
4. Brian Armstrong (24)	2:13:30	Manchester, England	3 Jun 73
5. Brian Armstrong (25)—2	2:13:39.2	St. Johns, Newf.	15 Sep 73
6. Brian Armstrong (25)—3	2:13:43.4	Fukuoka, Japan	2 Dec 73
7. Bob Moore (29)	2:16:53.6	Fukuoka, Japan	7 Dec 69
8. Andy Boychuk (27)	2:17:50	Dundas, Ont.	23 Jun 68
9. Andy Boychuk (25)—2	2:18:17	Boston, Mass.	19 Apr 67
10. Andy Boychuk (30)—3	2:18:34	Werribee, Australia	Sep 71
11. Andy Boychuk (29)—4	2:18:45	Edinburgh, Scotland	23 Jul 70
12. Brian Armstrong (24)—4	2:18:46	Detroit, Mich.	22 Oct 72
13. Brian Armstrong (24)—5	2:18:54	Culver City, Calif.	3 Dec 72
14. Andy Boychuk (29)—5	2:18:54.8	Toronto, Ont.	24 Aug 70
15. Bob Moore (28)—2	2:18:55	Toronto, Ont.	20 Aug 69
16. Tom Howard (24)	2:18:59.4	St. Johns, Nfld.	15 Sep 73
17. Bob Moore (32)—3	2:19:10.6	St. Johns, Nfld.	15 Sep 73
18. Ron Wallingford (32)	2:19:24	St. Hyacinthe, Que.	4 Sep 66
19. Bob Moore (29)—4	2:19:30	Toronto, Ont.	24 Aug 70
20. Ron Wallingford (35)—2	2:19:34.4	Dundas, Ont.	23 Jun 68
21. Dave Ellis (28)	2:19:47	Boston, Mass.	19 Apr 66
22. Bob Moore (29)—5	2:20:07	Boston, Mass.	20 Apr 70
23. Wolf Schamberger (27)	2:20:09.4	St. Johns, Nfld.	15 Sep 73
24. Bruce Shaw (27)	2:20:13.8	St. Johns, Nfld.	15 Sep 73
25. Jerry Tighe (27)	2:20:16.4	Seaside, Ore.	24 Feb. 73
26. Bob Moore (29)—6	2:20:47	Edinburgh, Scotland	23 Jul 70
27. Ron Wallingford (30)—3	2:20:51	Boston, Mass.	Apr 64
28. Andy Boychuk (29)—6	2:21:06	Boston, Mass.	20 Apr 70
29. Peter Lever (26)	2:21:19	Detroit, Mich.	22 Oct 72
30. Ron Wallingford (31)—5	2:21:27	Detroit, Mich.	25 Nov 65
31. Bob Moore (28)—7	2:21:28	Boston, Mass.	Apr 69
32. Norm Patenaude (28)	2:21:42.8	St. Johns, Nfld.	15 Sep 73
33. Bob Moore (31)—8	2:21:43	Detroit, Mich.	22 Oct 72
34. Tom Howard (24)—2	2:21:45.2	Vancouver, B.C.	26 May 73
35. Brian Armstrong (23)—6	2:21:49	Detroit, Mich.	17 Oct 71

36. Gordon Dickson (26)	2:21:50	Hamilton, Ont.	14 May 58
37. Wayne Yetman (35)	2:22:13	Antwerp, Belgium	30 May 69
38. Bruce Shaw (27)—2	2:22:16.4	Vancouver, B.C.	26 May 73
39. Ron Wallingford (30)—6	2:22:18	St. Hyacinthe, Que.	6 Sep 64
40. Paul Pearson (25)	2:22:22	Detroit, Mich.	22 Oct 72
41. Wayne Yetman (36)—2	2:22:32	Boston, Mass.	20 Apr 70
42. Bob Moore (29)—9	2:22:35	Antwerp, Belgium	30 May 69
43. Ron Wallingford (31)—7	2:22:39	Holyoke, Mass.	13 Jun 65
44. Ray Will (31)	2:22:47	Dartmouth, N.S.	1969
45. Dave Ellis (26)—2	2:22:49	Boston, Mass.	Apr 64
46. Garry Harrison (33)	2:22:53	Seaside, Ore.	27 Feb 71
47. Andy Boychuk (26)—7	2:23:02.4	Winnipeg, Mant.	4 Aug 67
48. Morris Aarbo (30)	2:23:06	Las Vegas, Nev.	21 Jan 67
49. Jerome Drayton (25)—4	2:23:08	Detroit, Mich.	18 Oct 70
50. Wolf Schamberger (28)—2	2:23:11	Portland, Ore.	24 Nov 73

2:24 to 2:25

2:24:28 Jack Burnett (31) 1968	2:24:42 Carl Christensen (25) 1973
2:24:33 John Cliff (27) 1970	2:24:53 John Mowatt (25) 1972

WOMEN'S ALL-TIME LIST

1. Maureen Wilton (13)	3:15:22		8 May 67
2. Debbie Collins (20)	3:20:13	Portland, Ore.	24 Nov 73
3. Debbie Collins (20)—2	3:24:38.4	Vancouver, B.C.	26 May 73
4. Suzanne Taylor (29)	3:27:12	Vancouver, B.C.	26 May 73
5. Debbie Collins (20)—3	3:27:15	Seaside, Ore.	24 Feb 73
6. Maria Brzezinska (24)	3:27:20.8	Vancouver, B.C.	26 May 73

1973 National List

SUB-2:20

2:13:26 Jerome Drayton (28, Ont)
2:13:30 Brian Armstrong (24, Ont)
2:18:59 Tom Howard (24, BC)
2:19:10 Bob Moore (32, Ont)

2:20 to 2:24

2:20:09 Wolf Schamberger (27, BC)
2:20:13 Bruce Shaw (27, BC)
2:20:16 Jerry Tighe (27, Ore)
2:21:42 Norm Patenaude (28, Ont)
2:23:35 Peter Lever (27, Ont)
2:24:10 Paul Pearson (26, Ont)
2:24:42 Carl Christensen (25, BC)

2:25 to 2:29

2:25:03 Brian Stackhouse (25, Alta)
2:25:21 Rick Hanna (23, BC)
2:25:28 Jack Taunton (25, BC)
2:25:56 Bill Herriot (32, Alta)
2:27:01 Arthur Taylor (47, Ont)
2:27:08 Dave Landriault (21, Ont)
2:27:44 Richard Pyne (26, Que)
2:27:48 William Laughlin (22, BC)
2:28:24 Myron Neville (24, BC)
2:28:57 Doug Scorrar (25, Ont)
2:29:35 Robert Taylor (32, BC)

2:30 to 2:34

2:30:19 Randy Barkhouse (NS)
2:31:12 Michael Graham (25, Sask)
2:31:15 Rick Bourrier (18, Mant)
2:31:— Andy Boychuk (33, Ont)
2:32:12 John Currie (20, BC)
2:32:32* Richard Chouinard (22, Que)
2:32:38 Bruce Macrae (19, BC)
2:32:43 Murray Hunt (23, Alta)
2:32:51 Bruce Dewsberry (18, Ont)
2:33:07 Bill Allen (41, Ont)
2:33:25 Miro Syab (33, Ont)
2:34:43 Dave Lach (32, BC)
2:34:57 Ed MacDonald (36, BC)

2:35 to 2:39

2:35:01 Glenn Groom (28, Ont)
2:35:07 Al Kimick (24, Alta)
2:35:13 Gerald Teal (29, Ont)
2:35:— Jim Haddon (43, Alta)
2:36:08 Dan Anderson (30, Ont)
2:36:44 Gerald Holliday (19, Ont)
2:36:48* Jacques Maingay (22, Que)
2:36:50 John Doyle (40+, Ont)
2:37:03 George Ames (22, Ont)
2:37:45 David Wise (Ont)

2:37:51 Richard Kirkham (18, BC)
2:38:08 Tim Dewey (26, Alta)
2:38:19 Chris Garrett-Petts (25, BC)
2:39:01 Ron Wallingford (39, Ont)
2:39:10 Harry Bradford (25, Ont)
2:39:31* Bob Lazenby (41, Ont)

2:40 to 2:44

2:40:21 Victor Matthews (32, Ont)
2:41:06 Alan Kerr (30, BC)
2:41:32 Barry Ault (28, Ont)
2:43:30 Chris Kelk (30, Ont)
2:43:49 Roar Gjessing (39, BC)
2:44:33 Mike Frizzell (NS)
2:44:55 Douglas Ward (17, Alta)

2:45 to 2:49

2:45:05 Jean Poirer (23, Que)
2:46:44 Alan Vyse (30, BC)
2:46:53 Philip Pyatt (Ont)
2:47:16 John Glassco (Ont)
2:47:40* Steve Cooper (Ont)
2:47:42 David Robins (21, Ont)
2:47:48 Mike McNamara (31, Ont)
2:48:04 Herb Monck (35, Ont)
2:48:08 Don Tretheway (36, BC)
2:48:36 Doug Wolfe (42, Ont)
2:48:54 Yvon Dumont (Que)
2:48:55 Harry Ainslie (21, Ont)
2:49:01 Linden Bland (34, Alta)
2:49:03* Greg McCullough (31, Ont)
2:49:06* Ivon Pardaria (21, Que)
2:49:34 William McInnis (46, Ont)

2:50 to 2:54

2:50:04 Jay Thompson (32, Ont)
2:50:05 John Rafferty (16, Ont)
2:50:25 John Switzer (Ont)
2:50:50 John Reeves (40+, Ont)
2:51:08 Frank Okoh (28, Ont)
2:51:09 Geoff Nowak (18, Ont)
2:51:14 Brent Hall (Ont)
2:51:18 John Field (29, BC)
2:52:01 Allan Thomson (40, BC)
2:52:05 Ron Miskowicz (BC)
2:52:16 Bill Wyllie (40, Alta)
2:52:37 Charles Allen (40+, NS)
2:52:43 Jerry Gonser (39, Ont)

2:52:46* Byron Kangelis (25, Que)
2:53:10 Rick Brooks (19, BC)
2:53:15 Mike Harrington (43, Ont)
2:53:23 David Yaeger (19, Ont)
2:53:35 Pat Reid (24, Ont)
2:53:48 Kjell Gronbaug (37, Ont)
2:53:53 Ron Sweeney (27, BC)
2:54:01 Frank Smith (46, Ont)
2:54:40 Bob Bowman (40, Ont)
2:54:40 John Rae (Ont)
2:54:47 Aldis Hupec (40+, Ont)
2:54:52 Gary Rampton (Ont)

2:55 to 2:59

2:55:43 Dennis Coveney (41, BC)
2:55:44 Scott Bailey (31, Ont)
2:55:46 John Taylor (Ont)
2:56:26 John Kendall (40, Ont)
2:57:05 Bill Buck (40+, Ont)
2:58:29 Fred Gray (NS)
2:58:30 John Bohnet (38, Alta)
2:58:38 Jack Reid (45, Ont)
2:58:45 Ken Parker (Ont)
2:58:57 Michel Dore (32, Que)
2:59:22 Jack Farrell (30, BC)
2:59:26 Peter Haley (40, BC)
2:59:44 Jacques Cyr (37, Que)
2:59:49 Dave Welch (Ont)
2:59:54 Pete McMahan (29, Alta)
2:59:59 Brian Turner (Ont)

AGE 15-UNDER

3:05:36 Gordon McLennan (13, BC)

AGE 60-UP

3:58:01 Arthur Dyson (69, Alta)

WOMEN

3:20:13 Debbie Collins (20, BC)
3:27:12 Suzanne Taylor (29, BC)
3:27:20 Maria Brzezinska (24)
3:42:08 Aileen Murphy (13, BC)
3:46:42 Helen Spiegelman (28)
3:52:36 Beverly McLennan (14, BC)

WOMEN AGE 15-UNDER

4:06:23 Tasha Hodgins (13, BC)

WOMEN AGE 40-UP

4:33:15 Judy Kazdan (54, Ont)

BRITISH MARATHONING

COMPILED BY ROGER GYNN

In the English-speaking world, no country comes close to matching Britain as a marathon center. Though it has only a fraction of the United States' population, Britain has far greater quality in depth on its all-time and yearly lists. The 100th best time in the country's history is four minutes faster than the comparable one in the US. There were 24 Britons under 2:20 during 1973, compared with seven Americans.

See the "late news" section in the back of the booklet for possible additions and corrections.

All-Time National List

NAME (AGE)	TIME	SITE	DATE
1. Ron Hill	2:09:28	Edinburgh	23 Jul 70
2. Ron Hill—2	2:10:30	Boston	20 Apr 70
3. Bill Adcocks	2:10:47.8	Fukuoka	8 Dec 68
4. Bill Adcocks—2	2:11:07.2	Athens	6 Apr 69
5. Ron Hill—3	2:11:54.4	Fukuoka	7 Dec 69
6. Jim Alder	2:12:04	Edinburgh	23 Jul 70
7. Bill Adcocks	2:12:16.8	Karl Marx Stadt	19 May 68
8. Don Faircloth	2:12:19	Edinburgh	23 Jul 70
9. Ron Hill—4	2:12:39	Manchester	13 Jun 71
10. Iam Thompson	2:12:40	Harlow	27 Oct 73
11. Ron Hill—5	2:12:51	Manchester	4 Jun 72
12. Ron Hill—6	2:13:22	Harlow	27 Oct 73
13. Trevor Wright	2:13:27	Manchester	13 Jun 71
14. Bill Adcocks—4	2:13:32	Fukuoka	6 Dec 70
15. Ron Hill—7	2:13:42	Manchester	20 Jul 69
16. Alastair Wood	2:13:45	Forres	9 Jul 66
17. Bill Adcocks—5	2:13:46	Otsu	12 Apr 70
18. Basil Heatley	2:13:55	Chiswick	13 Jun 64
19. Trevor Wright—2	2:13:59.6	Helsinki	15 Aug 71
20. Ron Hill—8	2:14:12	Chiswick	13 Jun 64
21. Jim Adler—2	2:14:14.4	Karl Marx Stadt	19 May 68
22. Ron Hill—9	2:14:34.8	Helsinki	15 Aug 71
23. Brian Kilby	2:14:43	Port Talbot	6 Jul 63
24. Jim Alder—3	2:14:44.8	Fukuoka	3 Dec 67
25. Don Faircloth—2	2:14:58.6	Kyoto	7 Feb 71
26. Don Macgregor	2:15:06	Manchester	4 Jun 72
27. Bill Adcocks—6	2:15:10	Edinburgh	23 Jul 70
28. Colin Kirkham	2:15:17	Manchester	4 Jun 72
29. Colin Kirkham—2	2:15:21	Manchester	13 Jun 71
30. Colin Kirkham—3	2:15:25	Harlow	27 Oct 73
31. Tim Johnston	2:15:26	Cwmbran	27 Jul 68
32. Ron Hill—10	2:15:27	Fukuoka	6 Dec 70
Alex Wight	2:15:27	Berwick	8 May 71
34. Tim Johnston—2	2:15:31.2	Karl Marx Stadt	10 May 69
35. Fergus Murray	2:15:32	Edinburgh	23 Jul 70

36. Juan Taylor	2:15:37	Port Talbot	27 Jun 64
37. Bill Adcocks—7	2:15:41	Cwmbran	27 Jul 68
38. Jim Wight	2:15:43	Berwick	8 May 71
Jim Alder—4	2:15:43	Manchester	13 Jun 71
40. Steve Badgery	2:15:44	Manchester	13 Jun 71
41. Don Faircloth—3	2:15:52	Manchester	4 Jun 72
42. Eric Austin	2:15:59	Manchester	4 Jun 72
Malcolm Thomas	2:15:59	Harlow	27 Oct 73
44. Alastair Wood—2	2:16:06	Manchester	13 Jun 71
45. John Newsome	2:16:07.8	Prague	5 Sep 70
46. Jim Alder—5	2:16:08	Baddesley	26 Aug 67
47. Alastair Wood—3	2:16:16	Forres	8 Jul 67
48. Bernard Plain	2:16:18	Manchester	4 Jun 72
Max Coleby	2:16:18	Harlow	27 Oct 73
50. Basil Heatley—2	2:16:19.2	Tokyo	21 Oct 64
51. Alastair Wood—4	2:16:21	Baddesley	26 Aug 67
52. Colin Kirkham—4	2:16:22	Helsinki	15 Aug 71
53. Eric Austin—2	2:16:24	Manchester	13 Jun 71
Steve Edmunds	2:16:24	Manchester	3 Jun 73
55. Ron Hill—11	2:16:30.6	Munich	10 Sep 72
56. Don Faircloth—4	2:16:32	Manchester	3 Jun 73
57. Jim Alder—6	2:16:34.4	Antwerp	30 May 69
Don Macgregor—2	2:16:34.4	Munich	10 Sep 72
59. Bernie Allen	2:16:34.6	Rotterdam	2 Jul 72
60. Jim Alder—7	2:16:37	Cwmbran	27 Jul 68
61. Don Macgregor—3	2:16:42.4	Fukuoka	3 Dec 72
62. Brian Kilby—2	2:16:45	Coventry	17 Aug 63
Jeff Norman	2:16:45	Manchester	13 Jun 71
64. Colin Kirkham—5	2:16:45.4	Athens	6 Apr 73
65. Ron Hill—12	2:16:47.8	Athens	21 Sep 69
66. Bill Adcocks—8	2:16:50	Port Talbot	21 Aug 63
67. Mike Teer	2:16:52	Belfast	30 May 70
68. Don Macgregor—4	2:16:53	Edinburgh	23 Jul 70
Dave Holt	2:16:53	Manchester	4 Jun 72
Mike Rowland	2:16:53	Manchester	4 Jun 72
71. Bernie Allen—2	2:16:54.2	Enschede	4 Sep 71
72. Mike Critchley	2:17:02	Harlow	27 Oct 73
73. Brian Kilby—3	2:17:02.4	Tokyo	21 Oct 64
74. Juan Taylor—2	2:17:04	Prague	10 Jul 65
75. Robert Heron	2:17:07	Berwick	12 May 73
76. Mike Freary	2:17:10	Manchester	13 Jun 71
77. Ron Hill—13	2:17:11	Cwmbran	27 Jul 68
Jim Alder—8	2:17:11	Edinburgh	16 May 70
79. Don Macgregor—5	2:17:14	Edinburgh	16 May 70
80. Tony Moore	2:17:18	Manchester	4 Jun 72
Mike Child	2:17:18	Manchester	3 Jun 73
82. Don Macgregor—6	2:17:19	Baddesley	26 Aug 67
83. Norman Deakin	2:17:20	Manchester	4 Jun 72
84. Alan Domleo	2:17:24	Harlow	27 Oct 73
85. Alan Domleo—2	2:17:33	Manchester	3 Jun 73
86. Don Macgregor—7	2:17:33.2	Kosice	5 Oct 69
87. Brian Kilby—4	2:17:34	Port Talbot	21 Aug 65
88. Ron Grove	2:17:35.6	Antwerp	30 May 69
89. Jim Peters	2:17:39.4	Chiswick	26 Jun 54

90. John McLaughlin	2:17:40	Harlow	27 Oct 73
91. Chris Wade	2:17:42	Sollentuna	7 Jun 69
Mike Teer—2	2:17:42	Belfast	21 Jun 69
93. Jim Alder—9	2:17:46	Chiswick	13 Jun 64
94. Harold Leeming	2:17:44	Manchester	13 Jun 71
95. Jim Craven	2:17:48	Manchester	13 Jun 71
96. Don Macgregor—8	2:17:50	Edinburgh	23 Jun 73
97. Bob Richardson	2:17:51	Manchester	4 Jun 72
98. Chris Wade—2	2:17:52	Kosice	5 Oct 69
99. Mike Freary—2	2:17:54	Manchester	4 Jun 72
100. Eric Austin—2	2:17:54.4	Kosice	8 Oct 72

1973 National List

2:12 to 2:16

2:12:40	Ian Thompson
2:13:22	Ron Hill
2:15:25	Colin Kirkham
2:15:59	Malcolm Thomas
2:16:18	Max Coleby
2:16:24	Steve Edmunds
2:16:32	Don Faircloth

2:17:00 to 2:17:59

2:17:02	Mike Critchley
2:17:07	Robert Heron
2:17:18	Mike Child
2:17:24	Alan Domleo
2:17:40	John McLaughlin
2:17:50	Don Macgregor

2:18:00 to 2:18:59

2:18:12	Jeff Norman
2:18:24	Jim Wight
2:18:29	Steve Kenyon
2:18:39	Richard Brown

2:19:00 to 2:19:59

2:19:04	Robert Sercombe
2:19:30	John Newsome
2:19:39	Jim Craven
2:19:42	Cyril Leigh
2:19:42	Barry Watson
2:19:50	Cavin Woodward

2:20:00 to 2:20:59

2:20:12	Jim Mouat
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2:20:13	Stanley Curran
2:20:32	Tom O'Reilly
2:20:41	Jim Alder
2:20:43	Bob Richardson
2:20:47	Leo Carroll
2:20:50	Ricky Wilde

2:21:00 to 2:21:59

2:21:10	Bernard Plain
2:21:13	Dave Cannon
2:21:30	Colin Hunt
2:21:40	Doug Fownes
2:21:46	Joe Keating
2:21:56	Derek Pratt
2:21:56	Eric Austin
2:21:59	John Bryant

2:22:00 to 2:22:59

2:22:00	Doug Cockburn
2:22:03	Martin Craven
2:22:28	Colin Youngson
2:22:29	Alastair Wood
2:22:34	Ian Burgess
2:22:46	Geoff Harrold
2:22:49	John Jones
2:22:50	Bob Atkinson
2:22:58	Tony Moore

2:23:00 to 2:23:59

2:23:07	Alex Keith
2:23:13	John Sheridan
2:23:17	Steve Taylor
2:23:39	Dick Evans

WOMEN'S MARATHONING

Miki Gorman is the new women's world record holder, having done 2:46:36 during the year. (This isn't quite as fast as the time run a couple of years back by Australian Adrienne Beames, but we're no longer listing that mark from a time trial.) A German, Christa Kofferschlagler, has a new European record.

Women's marathoning is getting increasing recognition as an event that's here to stay. In 1974, the US AAU will sponsor its first national championship in the event, and the women are available to run it. In 1973, more than 80 of them broke four hours, compared to 53 a year earlier.

See the "late news" section in the back of the booklet for possible additions or corrections. (* = uncertified course.)

All-Time World List

NAME (AGE, NATION)	TIME	SITE	DATE
1. Miki Gorman (38, US)	2:46:36	Culver City, Calif	2 Dec 73
2. Cheryl Bridges (23, US)	2:49:40	Culver City, Calif.	5 Dec 71
3. Teri Anderson (19, US)	2:53:40	St. Louis, Mo.	4 Mar 73
4. Beth Bonner (19, US)	2:55:22	New York, N.Y.	19 Sep 71
5. Cheryl Bridges (24)—2	2:55:44*	Terre Haute, Ind.	12 Aug 72
6. Teri Anderson (19)—2	2:55:45*	Topeka, Kans.	2 Dec 72
7. Nina Kuscsik (32, US)	2:56:04	New York, N.Y.	19 Sep 71
8. Nina Kuscsik (34)—2	2:57:07.2	New York, N.Y.	30 Sep 73
9. Nina Kuscsik (34)—3	2:58:50	Yonkers, N.Y.	20 May 73
10. Margie Norem (20, US)	2:59:12	Culver City, Calif.	2 Dec 73
11. Christa Kofferschlagler (WG)	2:59:25.6	Waldniel, W. Germany	28 Oct 73
12. Margie Norem (20)—2	2:59:30	San Mateo, Calif.	17 Jun 73
13. Nina Kuscsik (33)—4	2:59:43	New York, N.Y.	19 Mar 72
14. Sarolta Monspert (24, Hun)	2:59:53.2	Budapest, Hungary	29 Oct 72
15. Judy Ikenberry (30, US)	3:00:05	San Diego, Calif.	13 Jan 73
16. Paola Cacchi (26, Italy)	3:00:47	Rome, Italy	31 Dec 71
17. Beth Bonner (18)—2	3:01:42	Philadelphia, Pa.	9 May 71
18. Karin Pagaard (Den)	3:02:45	Copenhagen, Den.	30 Sep 73
19. Caroline Walker (16, US)	3:02:53*	Seaside, Ore.	28 Feb 70
20. Manuela Preuss (WG)	3:03:00.2	Waldniel, W. Germany	28 Oct 73
21. Betty Wake (35, US)	3:03:12*	Culver City, Calif.	25 Jun 72
22. Kim Piper (18, US)	3:03:27*	Naperville, Ill.	1 Dec 73
23. Lili Ledbetter (12, US)	3:03:32	Eugene, Ore.	14 Oct 73
24. Sara Berman (35, US)	3:04:40*	Framingham, Mass.	7 Nov 72
25. Patricia Barrett (18, US)	3:04:50	Asbury Park, N.J.	21 Jan 73
Additions to US top 25:			
21. Sara Berman (35)—2	3:05:07	Boston, Mass.	20 Apr 70
22. Nancy Ihrman (17)	3:05:32	Cupertino, Calif.	15 Apr 73
23. Marilyn Paul (35)	3:05:41	Portland, Ore.	24 Nov 73
24. Nina Kuscsik (34)—5	3:05:53	Terre Haute, Ind.	23 Jun 73
25. Jacki Hansen (24)	3:05:59.2	Boston, Mass.	16 Apr 73

3:07 to 3:09

- 3:08:26 Donna Gookin (36) 1973
 3:09:35 Eileen Waters (27) 1973

3:10 to 3:19

- 3:10:37 Kathy Switzer (26) 1973
 3:15:44* Claire Choate 1973
 3:16:00 Merry Cushing (31) 1973
 3:16:18 Kathy Loper 1973

- 3:16:30 Jennifer Taylor (25) 1973
 3:16:44 Patti Hurl (24) 1973
 3:17:29 Joan Ulyot (32) 1973
 3:18:00 Natalie Cullimore (33) 1971
 3:18:14* Sigrid Nadon (31) 1973
 3:18:56* Teri Johnson (21) 1973
 3:19:11 Pam Weigle (29) 1972
 3:19:55 Irene Rudolf (31) 1973

1973 United States List

SUB-3:00

- 2:46:36 Miki Gorman (38, Cal)
 2:53:40 Teri Anderson (19, Cal)
 2:57:07 Nina Kuscik (34, NY)
 2:59:12 Margie Norem (20, Ariz)

3:00 to 3:09

- 3:00:05 Judy Ikenberry (30, Cal)
 3:03:27* Kim Piper (18, Wisc)
 3:03:32 Lili Ledbetter (12, Ore)
 3:04:50 Patricia Barrett (18, NJ)
 3:05:32 Nancy Ihrman (17, Ariz)
 3:05:41 Marilyn Paul (35, Ore)
 3:05:59 Jacqueline Hansen (24, Cal)
 3:08:26 Donna Gookin (36, Cal)
 3:09:35 Eileen Waters (27, Cal)

3:10 to 3:19

- 3:10:37 Kathy Switzer (26, NY)
 3:15:44* Clare Choate (Jr, Cal)
 3:16:00 Merry Cushing (31, Mass)
 3:16:30 Jennifer Taylor (25, Mass)
 3:16:44 Patti Hurl (24, Cal)
 3:17:29 Joan Ulyot (32, Cal)
 3:18:14 Sigrid Nadon (31, Ohio)
 3:18:56* Teri Johnson (21, Va)
 3:19:55 Irene Rudolf (31, Cal)

3:20 to 3:29

- 3:20:45* Linda Heinmiller (Cal)
 3:21:57* Valerie Rogosheske (Minn)
 3:22:30 Kathy Lynch (Conn)
 3:22:33* Janice Arenz (23, Minn)
 3:22:40 Peggy Lyman (25, Cal)
 3:23:03 Calleen King (25, Ore)
 3:24:47 Rebecca White (22, Cal)
 3:24:51 Doreen Assumma (14, Cal)
 3:25:16* Marian May (Alaska)
 3:25:36* Tammy Gilpin (15, Kans)
 3:26:15 Mary Etta Boitano (10, Cal)
 3:27:00 Nikki Kilgore (29, NY)
 3:29:07 Luanne Kralick (41, Cal)
 3:29:57* Laura Shepherd (Tex)

3:30 to 3:39

- 3:30:05 Sara Berman (36, Mass)
 3:30:23 Sharon O'Halloran (Cal)

- 3:31:23 Catherine Shrader (14, NY)
 3:33:59 Janet Newman (22, Ore)
 3:35:30 Mary Cortez (19, Cal)
 3:36:15 Catherine Smith (40, Nev)
 3:36:18 Kathy Loper (31, Tex)
 3:38:20 Lucille Bunz (26, Cal)
 3:39:02 Susan Rossiter (26, Wash)
 3:39:08* Mary Mathews (Utah)
 3:39:12 Susan Maughan (Cal)

3:40 to 3:49

- 3:40:19 Jeanne Crandall (15, Wisc)
 3:42:14 Linda Bottlik (10, Cal)
 3:43:10 Virginia Collins (43, Cal)
 3:44:59 Gwen Brauer (10, Nev)
 3:45:28 Jeanette Cotte (12, Cal)
 3:45:30* Carolyn Miyashiro (28, Cal)
 3:46:31 Rose Thomas (33, Pa)
 3:46:44 Jane Underhill (28, Ore)
 3:47:51 Kathleen O'Conner (16, Cal)
 3:47:57 Londa Kingery (16, Cal)
 3:48:54 Sandra Brauer (34, Nev)
 3:49:43 Elaine Pedersen (36, Cal)

3:50 to 3:59

- 3:50:04* Sue Brown (Vt)
 3:51:08 Linda Winslow (18, Alaska)
 3:51:27 Betsy Schwartz (Cal)
 3:51:37 Yvette Cotte (14, Cal)
 3:51:48 Sherria Simmons (Cal)
 3:52:36 Ruth Anderson (40+, Cal)
 3:53:14 Nora Smiriga (Cal)
 3:53:28 Susan Ferguson (34, Ore)
 3:53:47 Patricia Price (37, Tex)
 3:55:43 Lynn Blackstone (33, NY)
 3:56:13 Donna Hoffman (Wash)
 3:57:41* Betsy Haines (Alaska)
 3:58:27* Gail Churchill (17, Ohio)
 3:58:27 Lisa Schmitz (12, Cal)
 3:58:34 Sharon Cogbill (34, Ill)
 3:58:36* Gigi Brown (Mont)
 3:59:11 Connie McArthur (20, Wash)
 3:59:24 Cathy Sigler (Fla)
 3:59:27 Fran Conley (32, Cal)
 3:59:42* Suzanne Bottlik (10, Cal)

AGE-GROUP MARATHONING

Jack Foster ran 2:14 at age 40, 2:16 at 41. Mitch Kingery did 2:23 when he was still just 16... Miki Gorman, the new women's record holder (2:46), is 38 years old. Lili Ledbetter already has done 3:03 at 12. Times like these are outstanding enough on their own merits, but take on considerably more significance when the age factor is added.

These are the best known "age" marks of all-time, followed by bests by Americans during 1973. We recognize times only from AAU certified courses. Faster non-certified (*) ones are listed for reference only.

The 1973 lists are broken down into the AAU-recognized age groupings: juniors (19-under), masters (40-up), 9 and under, 10-11, 12-13, 14-15, 16-19, 40-49, 50-59, 60-69, 70-up.

See the "Late news" section in the back of the booklet for possible additions or corrections.

World and American Records

TIME	NAME (COUNTRY)	AGE	NAME	TIME
6:56:33*	Kevin Strain (US)	5	Kevin Strain	6:56:33
(no known boys' record; see girls')		6	(see girls' record list)	
4:46:09*	Pat Cunneen (US)	7	Pat Cunneen	4:46:09*
3:45:28	Tom Owen (US)	8	Tom Owen	3:45:28
3:41:29	David Hargus (US)	9	David Hargus	3:41:29
3:28:18*	Mike Boitano (US)		Mike Boitano	3:28:18*
3:18:38	Mike Boitano (US)	10	Mike Boitano	3:19:38
3:03:56	Mike Boitano (US)	11	Mike Boitano	3:30:56
2:59:07	David Hargus (US)	12	David Hargus	2:59:07
2:54:47	David Cortez (US)	13	David Cortez	2:54:47
2:43:37	Dennis Wilson (US)	14	Dennis Wilson	2:43:37
2:43:04*	Hugh Miller (US)		Hugh Miller	2:43:04*
2:29:11	Mitch Kingery (US)	15	Mitch Kingery	2:29:11
2:23:47	Mitch Kingery (US)	16	Mitch Kingery	2:23:47
2:31:55	Craig Streichman (US)	17	Craig Streichman	2:31:55
2:28:22*	Clayton Craig (US)		Clayton Criag	2:28:22*
2:23:59.6	Hans-Joachim Truppel (EG)	18	Chuck Walker	2:25:16
2:16:18.2	Neil Cusack (Ireland)	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	Doug Schmenk	2:17:45
2:11:17	Seiichiro Sasaki (Japan)	22	Amby Burfoot	2:14:28.8
2:13:06.4	Toshiharu Sasaki (Japan)	23	Jon Anderson	2:16:03
2:11:12.8	Jerome Drayton (Canada)	24	Frank Shorter	2:12:19.8
2:09:36.4	Derek Clayton (Australia)	25	Frank Shorter	2:10:30
2:08:33.6	Derek Clayton (Australia)	26	Frank Shorter	2:11:45
2:10:37.8	Akio Usami (Japan)	27	Kenny Moore	2:11:35.8
2:11:08.8	Derek Clayton (Australia)	28	Kenny Moore	2:15:39.8
2:12:14	John Farrington (Australia)	29	Norm Higgins	2:18:26
2:12:00.4	John Farrington (Australia)	30	Lou Castagnola	2:17:48
2:09:28	Ron Hill (GB)	31	Ron Daws	2:20:23

2:12:11.2	Abebe Bilila (Ethiopia)	32	Herb Lorenz	2:19:16.8
2:12:51	Ron Hill (GB)	33	John Kelley	2:22:15
2:14:38	Jeff Julian (NZ)	34	Norm Higgins	2:22:54.2
2:13:22	Ron Hill (GB)	35	Norm Higgins	2:15:52
2:15:59	Eric Austin (GB)	36	Ron Daws	2:24:20
2:16:27	Carlos Perez (Spain)	37	Ted Corbitt	2:26:44
2:12:17.8	Jack Foster (NZ)	38	Ted Corbitt	2:29:43
2:13:42.4	Jack Foster (NZ)	39	Bill Gookin	2:25:31
2:14:53.4	Jack Foster (NZ)	40	Bill Gookin	2:31:52
2:16:46	Jack Foster (NZ)	41	Virgil Yehnert	2:28:27
2:24:18.8	Heinrich Arians (W Ger)	42	Virgil Yehnert	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 (W Ger)	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	2:33:13
2:23:56	Erik Ostbye (Sweden)	48	Jim McDonagh	2:40:12
2:30:06	Erik Ostbye (Sweden)	49	Jim McDonagh	2:37:30
2:28:48	Erik Ostbye (Sweden)	50	Clarence Demar	2:43:30
2:25:19	Erik Ostbye (Sweden)	51	Ted Corbitt	2:46:37
2:39:01	Tom Buckingham (GB)	52	John Kelley	2:44:39
2:41:31	Tom Buckingham (GB)	53	John Kelley	2:44:53
2:37:42	John Kelley (US)	54	John Kelley	2:37:42
2:48:35	Bob Horman (US)	55	Bob Horman	2:48:35
2:49:14	John Kelley (US)	56	John Kelley	2:49:14
2:48:32	John Kelley (US)	57	John Kelley	2:48:32
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
2:56:48	Monty Montgomery (US)	66	Monty Montgomery	2:56:48
(no definite record available)		67	(no record available)	
4:31:20*	Leslie Gatz (US)	68	Leslie Gatz	4:31:20*
3:38:17	Fred Grace (US)	69	Fred Grace	3:38:17
3:15:44	Friedrich Tempel (W Ger)	70	(no record available)	
3:19:25	Friedrich Tempel (W Ger)	71	Fred Grace	3:53:23
3:45:20	Fred Grace (US)	72	Fred Grace	3:45:20
4:03:38	Fred Grace (US)	73	Fred Grace	4:03:38
3:45:15	Fred Grace (US)	74	Fred Grace	3:45:15
4:05:56*	Fred Grace (US)	75	Fred Grace	4:05:56*
(no definite records available)		76-77	(no further records)	
3:52:30	Arthur Lambert	78		

U.S. Women's Records

AGE	NAME	TIME			
			9	Mary Etta Boitano	3:49:01
6	Mary Etta Boitano	4:27:32		Mary Etta Boitano	3:28:17*
7	Mary Etta Boitano	3:57:42	10	Mary Etta Boitano	3:26:15
8	Mary Etta Boitano	3:37:15	11	Lili Ledbetter	3:34:15

12	Lili Ledbetter	3:03:32	34	Nina Kuscsik	2:57:07
13	(no record available)		35	Sara Berman	3:04:40
14	Doreen Assumma	3:24:51		Betty Wake	3:03:12*
15	Sue Parks	3:32:58	36	Donna Gookin	3:19:01
	Tammy Gilpin	3:25:36*	37	Donna Gookin	3:08:26
16	Caroline Walker	3:02:53	38	Miki Gorman	2:46:36
17	Nancy Ihrman	3:05:32	39	Jean Irwin	3:34:01
18	Beth Bonner	3:01:42	40	Catherine Smith	3:36:15
19	Teri Anderson	2:53:40	41	Luanne Kralick	3:29:07
20	Margie Norem	2:59:30	42	Barbara Barnes	2:22:--
21	Janet Newman	3:44:21	43	Virginia Collins	3:43:10
	Teri Johnson	3:18:56*	44	Frances Morrison	4:33:53
22	Cheryl Bridges	3:14:45		Eva Barraza	3:43:59*
23	Cheryl Bridges	2:49:40	45	(no record available)	
24	Cheryl Bridges	2:55:44	46	Mary Boitano	4:50:--
25	Jennifer Taylor	3:16:30	47	Isa Varela	3:53:41
26	Kathy Switzer	3:10:37	48	Isa Varela	3:51:47
27	Eileen Waters	3:09:35	49	Mary Boitano	4:34:26
28	Pam Weigle	3:57:55	50	(no record available)	
	Pam Weigle	3:34:10*	51	(no record available)	
29	Pam Weigle	3:19:11	52	Marcie Trent	4:40:03*
30	Judy Ikenberry	3:00:05	53	Cathy Hargus	4:13:26
31	Nina Kuscsik	3:10:--	54	Marcie Trent	3:43:37*
32	Nina Kuscsik	2:56:04	55	Marcie Trent	4:15:22*
33	Nina Kuscsik	2:59:43			

1973 Age-Group Lists

AGES 9 AND UNDER

3:49:01	Mary Etta Boitano (9, Cal)
4:10:23*	Tom Bassler (9, Cal)
4:22:36*	Jack Gottsche (9, Cal)
4:31:51	Debbie Koffel (9, Ore)

AGES 10-11

3:03:56	Mike Boitano (11, Cal)
3:25:25*	Reginald Heywood (10, Ariz)
3:25:42	John Singer (11, Mich)
3:26:15	Mary Etta Boitano (10, Cal)
3:33:05	Tommy Owen (10, Cal)
3:41:43	Robert Martinez (10, Cal)
3:42:14*	Linda Bottlik (10, Cal)
3:44:59	Gwen Brauer (10, Nev)
3:47:07	Scott Beasley (11, Ind)
3:51:06*	Paul Borlick (11, Cal)

AGES 12-13

3:01:09	Michael Singer (13, Mich)
3:03:32	Lili Ledbetter (12, Ore)
3:07:44	Jeff Shuman (13, Mo)
3:11:04	Kenneth Hurst (13, Ore)
3:15:22	Dan Botti (13, Ore)
3:22:15	Bill Tracey (12, Cal)
3:24:02	David Wilson (13, Cal)
3:24:05*	Lars Cole (13, Hawaii)

AGES 14-15

2:34:54	David Cortez (15, Cal)
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2:41:03*	Paul O'Neil (15, Cal)
2:43:03	Elwin Wilson (15, Ore)
2:50:16	Joseph Kenny (15, Ind)
2:51:26	Mike Hagmeier (15, Ore)
2:52:39	Dave Warren (15, Ill)
2:53:50	Bob Barnett (15, Cal)
2:54:14*	Todd Davis (15, Cal)
2:54:16*	Sergio Alarcon (15, Ill)
2:54:41*	Marie Orr (15, Cal)

AGES 16-19

2:23:47	Mitch Kingery (16, Cal)
2:29:10	Rob Waugh (19, Ariz)
2:29:21	Chris Berka (19, Cal)
2:29:42	George Khouri (19, Cal)
2:29:53	Terry Heath (19, Idaho)
2:30:42	Ed Chaidez (Cal)
2:31:31	Don Gregory (19, Cal)
2:31:57	John Foran (17, Conn)
2:33:14	Kurt Billett (17, Wash)
2:33:14	Brian Brouillet (17, Wash)

AGES 40-49

2:31:51	Steve Goldberg (41, Ill)
2:31:52	Bill Gookin (40, Cal)
2:33:45	Dave Waco (40, Cal)
2:34:58	Jim Green (40, Mass)
2:35:51	Dennis Meyer (40, Wash)
2:36:17	Ross Smith (45, Nev)

2:37:05 Walter Renaud (42, Mass)
2:37:30 Jim McDonagh (49, NY)
2:37:40 Fred Clarke (42)
2:39:11 Howard Miller (46, Wash)

AGES 50-59

2:45:29 Ted Corbitt (53, NY)
2:48:35 Bob Horman (55, DC)
2:53:31 Wayne Zook (56, Cal)
2:54:51* Paul Reese (55, Cal)
2:55:23 Paul Thurston (DC)
2:56:08 Jim Oleson (Cal)
2:56:56 Frank McCabe (55, Colo)
2:57:00 Flory Rodd (50, Cal)
2:58:00 Richard Madison (50, Mich)
2:58:31 Carl Hammen (RI)

AGES 60-69

3:02:— John Wall (60, Md)
3:13:17 Urban Miller (62, Cal)
3:15:41 William Andberg (62, Minn)
3:17:51 Norman Bright (63, Wash)

3:19:50 John Oeltmann (Fla)
3:19:58 John Montoya (61, Cal)
3:26:38 William Bobston (60, NY)
3:27:13 Alan Flanigan (61, Cal)
3:31:52 Walt Stack (65, Cal)
3:36:26 Jim Bole (65, Cal)

AGES 70 AND UP

4:05:46* Fred Grace (75, Cal)
4:50:57 Noel Johnson (73, Cal)

WOMEN AGES 40 AND UP

3:29:07 Luanne Kralick (41, Cal)
3:36:15 Catherine Smith (40, Nev)
3:43:10* Virginia Collins (43, Cal)
3:52:36 Ruth Anderson (40+, Cal)
4:15:22* Marcie Trent (55, Alaska)
4:29:12 Marion Epstein (54, NY)
4:29:19 Dodie Filler (41, Cal)
4:34:14 Mary Vlamides (43, Tex)
4:34:26 Mary Lucille Boitano (49, Cal)



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Chapter IV

OTHER RUNS



Some of the 1700 runners and hikers leave Boonsboro, Md., in the burgeoning JFK 50-miler. (Liz Burnside)

MORE THAN MARATHONS

The marathon is the only road race that makes any sense. *Time* sense, that is. Say "2:55:20" and a marathoner immediately starts getting images. He compares that with his own time. He measures where it would place in the average field. He weighs its relative value. The marathon is run so often by so many people that times make sense.

This isn't true in any other event on the roads. Mention "1:12:10 for 20 kilometers" and you get a lot of blank looks. Twenty-kilometer times don't mean much. Twenty kilos isn't run as often as the marathon, so runners haven't had a chance to erect the same kind of definite comparisons. Or maybe the distance isn't run as enthusiastically because there aren't any comparisons. It probably works both ways.

A computer scientist named Gerry Purdy offers help. Purdy is a distance runner and co-author of the book *Computerized Running Training Programs*. For his doctoral dissertation, Purdy constructed point tables for every running event. The charts weigh the relative merit of running performances.

If you tell Dr. Purdy that you are, say, a 2:55 marathoner, he can tell you your 20-kilometer potential, within a minute or so. He can do it with all sorts of event combinations.

Here are the marathon time equivalents at the other standard distances. They are adapted from Purdy's charts. Times are rounded to the nearest minute. These are averages. An average runner who does three hours for the marathon should be able—conditions being equal—to run 10 miles in 1:01. Maybe he can, maybe he can't. But at least he has an objective reference point. The times mean something.

Marathon	15-km.	10-mi.	20-km.	15-mi.	25-km.	30-km.	20-mi.
2:10	43 min.	46 min.	58 min.	1:11	1:14	1:30	1:37
2:15	44 min.	47 min.	1:00	1:13	1:16	1:33	1:40
2:20	45 min.	49 min.	1:01	1:15	1:18	1:36	1:43
2:25	46 min.	50 min.	1:03	1:17	1:21	1:39	1:47
2:30	48 min.	51 min.	1:05	1:20	1:23	1:42	1:50
2:35	49 min.	53 min.	1:07	1:22	1:25	1:45	1:54
2:40	50 min.	54 min.	1:09	1:25	1:28	1:48	1:57
2:45	52 min.	56 min.	1:11	1:27	1:31	1:51	2:01
2:50	53 min.	58 min.	1:13	1:30	1:34	1:55	2:05
2:55	55 min.	59 min.	1:15	1:33	1:36	1:58	2:08
3:00	57 min.	1:01	1:18	1:36	1:39	2:02	2:12
3:05	59 min.	1:03	1:20	1:38	1:42	2:05	2:16
3:10	1:00	1:05	1:22	1:41	1:45	2:08	2:19
3:15	1:02	1:07	1:24	1:44	1:48	2:12	2:23
3:20	1:05	1:10	1:27	1:47	1:51	2:16	2:27
3:25	1:07	1:12	1:30	1:50	1:54	2:20	2:31
3:30	1:09	1:14	1:33	1:54	1:58	2:24	2:35
3:35	1:11	1:17	1:36	1:57	2:01	2:28	2:39
3:40	1:13	1:19	1:38	2:00	2:04	2:31	2:43
3:45	1:15	1:21	1:41	2:03	2:08	2:35	2:47
3:50	1:18	1:24	1:44	2:07	2:12	2:39	2:52
3:55	1:20	1:26	1:47	2:10	2:15	2:43	2:56
4:00	1:22	1:28	1:50	2:13	2:18	2:47	3:00

World and American Records

Like their counterparts in the standard (10,000 meters and below) distances, all the long records have to be run on the track to be recognized. So even though some road runners have gone faster than the times listed here, these are the official bests.

For the year, however, we include marks run on any type of course—so long as it apparently is accurately measured. Included are the top 10 athletes of 1973 (plus special category leaders) in most events, and all one-hour runners over 11 miles, all 50-kilometers and 50-milers under 3:30 and 7:00

See the "late news" section at the back of the booklet for possible additions or corrections.

WORLD MEN	
MARK	NAME (COUNTRY)
(no record)	
46:06.4	Willy Polleunis (Bel)
12m 1599y	Gaston Roelants (Bel)
57:44.4	Gaston Roelants (Bel)
1:12:22.6	Seppo Nikkari (Fin)
1:14:55.6	Seppo Nikkari (Fin)
1:31:30.4	Jim Alder (GB)
1:39:14.4	Jack Foster (NZ)
23m 1071y	Jim Alder (GB)
2:10:48	Eric Austin (GB)
(no official record)	
2:47:33	Jeff Julian (NZ)
(no record)	
3:49:49	Alastair Wood (GB)
5:01:01	Phil Hampton (GB)
11:56:56	Derek Kay (S Afr)
161m 545y	Ron Bentley (GB)

U.S. MEN		
RACE	NAME	MARK
15 kms.	Buddy Edelen	45:16.8
10 miles	Jeff Galloway	47:49.0
One hour	Bill Clark	12m 527y
20 kms.	Kenny Moore	1:02:25.6
15 miles	Tom Fleming	1:16:11.2
25 kms.	Tom Fleming	1:19:59.2
30 kms.	Bill Clark	1:37:33.0
20 miles	Bill Clark	1:44:56.4
2 hours	Bill Clark	22m 1254y
25 miles	John Cramer	2:29:50
Marathon	John Cramer	2:36:58
30 miles	Ken Young	3:01:54
50 kms.	Ken Young	3:08:49
40 miles	Ken Young	4:08:28
50 miles	Martin Smith	5:26:40
100 miles	Ted Corbitt	13:33:06
24 hours	Ted Corbitt	134m 1220y

WORLD WOMEN	
MARK	NAME (COUNTRY)
56:00	Elsa Pasquali (Italy)
1:00:30.6	Brenda Webb (US)
9m 1625y	Brenda Webb (US)
1:16:00	Elsa Pasquali (Italy)
2:03:04	Elsa Pasquali (Italy)
3:55:15	Eileen Waters (US)
4:26:44	Eileen Waters (US)
4:37:25	Eileen Waters (US)
5:49:51	Eileen Waters (US)
7:05:31	Eileen Waters (US)

U.S. WOMEN		
RACE	NAME	MARK
15 kms.	Brenda Webb	1:00:00
10 miles	Brenda Webb	1:00:30.6
One hour	Brenda Webb	9m 1625y
20 kms.	Eileen Waters	1:50:24.6
30 kms.	Eileen Waters	2:46:17
Marathon	Eileen Waters	3:55:15
30 miles	Eileen Waters	4:26:44
50 kms.	Eileen Waters	4:37:25
40 miles	Eileen Waters	5:49:51
50 miles	Eileen Waters	7:05:31

1973 United States Lists

15 KILOMETERS

45:58	Amby Burfoot (26, Conn)
46:09	Will Durette (Mass)

46:32	Mark Gibbens (25, Ind)
46:42	Dick Bowerman (23, Ind)

46:50	Mike Wagenbach (23, Cal)	11m 440y	Rich Elliott (21, Cal)
46:57	Dennis Williams (27, Mich)	11m 417y	Terry Ziegler (22, Okla)
46:58	Dan Moynihan (Mass)	11m 360y	Walt Renaud (41, Mass)
47:03	George Stewart (23, Cal)	11m 318y	Mike Chambers (24, Cal)
47:05	Dave White (21, Cal)	11m 286y	Robert Tillman (17, Cal)
47:07	Darryl Beardall (36, Cal)	11m 282y	Phil Bonfiglio (21, NY)
47:07	Vic Cary (23, Cal)	11m 241y	Bob Nanninga (26, Cal)
Juniors		11m 229y	Carlos Alfaro (25, Cal)
47:33	Terry Williams (18, Cal)	11m 208y	Dan Shook (21, Ohio)
Masters		11m 160y	Dan Sekerak (26, Ohio)
49:28	Bill Gookin (40, Cal)	11m 150y	Guy Renfro (24, Wash)
Women		11m 151y	Fred Binggeli (21, Mo)
55:02	Nadia Garcia (19, Cal)	11m 150y	Howard Labrie (Cal)
10 MILES		11m 140y	Fred New (21, Wash)
47:49	Jeff Galloway (27, NC)	11m 138y	Jim Boyle (23, NY)
49:15	Bill Herron (21, Tenn)	11m 119y	Dennis Matheson (34, Tex)
49:31	Paul Talkington (26, Ohio)	11m 117y	Frank Bozanich (29, Cal)
50:09	Tom Fleming (21, NJ)	11m 82y	Steve Pulos (20, NY)
50:13	Paul Bannon (19, Tenn)	11m 80y	Mike Baxter (Mass)
50:18	Carl Hatfield (24, Wy)	11m 76y	Don Shanahan (30, Cal)
50:20	Keith Brown (20, Mich)	11m 76y	Brian Harrington (26, Tex)
50:24	Damien Koch (28, Ore)	11m 66y	Larry Hanson (18, Cal)
50:24	Pete Span (24, Ariz)	11m 63y	Don Ocana (22, Cal)
50:32	Joe Skaja (23, Ore)	11m 55y	Brett Dunkelman (20, NY)
Juniors		11m 55y	Terry Lewis (21, Okla)
50:13	Paul Bannon (19, Tenn)	11m 50y	Bill Wilbur (23, NY)
Masters		11m 48y	Bill Welsh (18, Ohio)
52:15	Jim Hershberger (42, Kans)	11m 0y	Bruce Mason (18, NY)
Women		Juniors	
1:02:24	Katy Schilly (16, NY)	11m 1174y	Dan Schlesinger (17, NC)
ONE HOUR		Masters	
12m 100y	Dave White (21, Cal)	11m 677y	Hal Higdon (41, Ind)
12m 95y	John Vitale (24, Conn)	Women	
12m 90y	Amby Burfoot (26, Conn)	9m 1625y	Nadia Garcia (19, Cal)
11m 1531y	Paul Talkington (26, Ohio)	20 KILOMETERS	
11m 1380y	Larry Olsen (26, Mass)	1:01:28	Ron Kurrle (Cal)
11m 1350y	Don Kennedy (25, NC)	1:02:41	Tom Fleming (21, NJ)
11m 1320y	Ron Kurrle (25, Cal)	1:03:11	Gary Tuttle (25, Tex)
11m 1209y	Gary Tuttle (25, Tex)	1:03:30	Larry Miller (23, Ore)
11m 1198y	Mark Gibbens (25, Ga)	1:03:34	Phil Camp (25, Cal)
11m 1174y	Dan Schlesinger (17, NC)	1:03:58	Will Rodgers (Mass)
11m 1167y	Jack Mahurin (30, Md)	1:04:19	Rich Kimball (16, Cal)
11m 1065y	Ken Mueller (36, Mass)	1:04:21	Dick Buerkle (NY)
11m 928y	Ed Hereford (26, NC)	1:04:27	Mark Kushner (29, Cal)
11m 891y	Sheldon Karlin (23, Md)	1:04:31	John Vitale (24, Conn)
11m 848y	Gareth Hayes (24, NC)	Juniors	
11m 842y	Jerry Alexander (19, Cal)	1:04:19	Rich Kimball (16, Cal)
11m 831y	Phil Ryan (29, Cal)	Masters	
11m 814y	Jim Shephard (27, Wash)	1:09:07	Jerry Smartt (41, Cal)
11m 777y	Todd Ferguson (30, Cal)	Women	
11m 770y	Rick Bayko (25, Mass)	1:22:21	Nina Kuscsik (34, NY)
11m 708y	Richie Smith (Ohio)	15 MILES	
11m 696y	Joe Toledo (25, Cal)	1:15:03	Paul Talkington (26, Ohio)
11m 677y	Hal Higdon (41, Ind)	1:16:11	Tom Fleming (21, NJ)
11m 652y	Phil Davis (27, Ill)	1:16:29	Jeff Galloway (28, Fla)
11m 639y	Joe Skaja (23, Minn)	1:17:25	Carl Hatfield (25, Wy)
11m 579y	Don Jayroe (27, NC)	1:18:10	Amby Burfoot (26, Conn)
11m 570y	Peter Kuchinski (Mass)	1:18:10	John Vitale (24, Conn)
11m 472y	Cletus Griffin (22, Ohio)	1:18:55	Jon Anderson (23, Ore)
11m 470y	Bob Thurston (29, DC)	1:18:58	Tom Fleming (22, NJ)

1:19:08 Kim Nutter (19, WV)
1:19:09 Tom Hess (22, Tex)

Juniors

1:19:08 Kim Nutter (19, WV)

Masters

1:22:07 Hal Higdon (42, Ind)

Women

1:39:28 Jacki Hansen (23, Cal)

25 KILOMETERS

1:18:10 Amby Burfoot (26, Conn)

1:18:10 John Vitale (24, Conn)

1:19:51 Tom Derderian (24, Mass)

1:19:59 Tom Fleming (21, NJ)

1:20:06 Rick Bayko (25, Mass)

1:20:18 George Stewart (23, Cal)

1:20:25 Skyler Jones (20, Ariz)

1:20:36 John Foran (17, Conn)

1:20:40 Mike Chambers (Mass)

1:20:45 Doug Conley (Ariz)

Juniors

1:20:36 John Foran (17, Conn)

Masters

1:24:59 Hal Higdon (41, Ind)

Women

1:46:32 Kathy Lynch (Conn)

30 KILOMETERS

1:37:35 Bob Fitts (30 Mo)

1:37:36 Paul Talkington (26, Ohio)

1:37:59 Steve Hoag (26, Minn)

1:38:10 Arthur Hall (26, NJ)

1:38:50 Tom Fleming (21, US)

1:39:10 Joe Toledo (25, Cal)

1:40:04 George Stewart (23, Cal)

1:40:25 Phil Camp (25, Cal)

1:40:38 Chuck Koeppe (27, Ind)

1:40:45 Tom Smith (19, RI)

Juniors

1:40:45 Tom Smith (19, RI)

Masters

1:40:52 Hal Higdon (42, Ind)

Women

2:08:42 Nina Kuscsik (24, NY)

20 MILES

1:41:27 Tom Fleming (21, NJ)

1:44:31 Tom Hess (22, Tex)

1:46:43 Steve Dean (24, Cal)

1:47:35 George Stewart (24, Cal)

1:49:49 Bob Darling (24, Cal)

1:50:09 Gene Fitzgerald (Cal)

1:51:02 Alex Aguilar (18, Cal)

1:51:06 Dan Winzenried (20, Wisc)

1:51:12 Mike Buzbee (Cal)

1:51:57 Dan Reeks (Md)

Juniors

1:51:02 Alex Aguilar (18, Cal)

Masters

1:53:40 Bill Gookin (40, Cal)

Women

2:16:13 Joan Ulyot (33, Cal)

TWO HOURS

21m 1481y Tom Childers (Va)

21m 1190y Ray Morrison (26, DC)

20m 876y Pete Elliott (26, Ill)

20m 680y John Cramer (21, Minn)

20m 658y Ken Young (31, Ill)

Juniors

20m 158y Mike Shoemaker (18, Va)

Masters

19m 814y Tony Diamond (43, Va)

Women

(none reported)

50 KILOMETERS

2:52:24 Bill Scobey (27, Cal)

2:56:06 Steve Dean (24, Cal)

3:03:39 Carlos Alfaro (Cal)

3:10:45 Ken Young (31, Ill)

3:11:59 Bill Anderson (29, Cal)

3:14:00 Doug Sailors (Cal)

3:15:37 John Cramer (21, Minn)

3:17:05 Martin Smith (23, Ia)

3:17:23 Dave Russell (Cal)

3:18:25 Dave Parker (40+, Cal)

3:18:25 Dave Waco (40+, Cal)

3:18:27 Galen Greene (Ia)

3:19:17 Max White (22, Mass)

3:19:56 Orville Atkins (37, Cal)

3:20:45 Larry Fauchier (Ia)

3:21:41 Jim Bowles (24, NY)

3:24:42 Bob Branch (Cal)

3:25:56 Don Jones (40+, Cal)

3:26:24 Ed Walkwitz (23, Mont)

3:26:43 Bennett Gershman (31, NY)

3:28:26 Clayton Bristol (23, Conn)

3:28:24 Frank Krebs (30, Cal)

Juniors

(none reported)

Masters

3:18:25 Dave Waco (Cal)

3:18:25 Dave Parker (Cal)

Women

4:11:58 Nina Kuscsik (34, NY)

50 MILES

5:26:26 Max White (22, Va)

5:26:40 Martin Smith (23, Ia)

5:31:01 Ed Walkwitz (23, Mass)

5:45:14 Richard Warren (26, Md)

5:48:03 Darryl Beardall (37, Cal)

5:50:21 Park Barner (23, Pa)

5:52:35 Vince Chiappetta (40, NY)

6:06:39 Bruce Woolford (22, Ohio)

6:12:20 Rick Warren (Md)

6:15:26 Carlos Alfaro (Cal)

6:15:27 Clayton Bristol (23, Conn)

6:23:09 Bill McCray (Cal)

6:27:50 Tom Cory (Cal)

6:33:15 William Bredenbeck (35, Ohio)

6:34:13 Roy Cobb (30, Ohio)

6:52:18 Truman Clark (Cal)

6:53:13 Ed Jerome (Va)

6:53:13 Steve Yates (Md)
6:59:30 Chuck Day (Cal)
6:59:34 Craig Harms (23, Ohio)
Junior
7:09:21 Tim Wright (19, Cal)
Masters
5:52:35 Vince Chiappetta (40, Cal)

Women
7:05:31 Eileen Waters (27, Cal)
100 MILES
18:09:16 Natalie Cullimore (35, Cal)
22:31:39 John Arberry (Cal)
24 HOURS
134m 1220y Ted Corbitt (53, NY)

1974 Race Schedules

- **NATIONAL AAU OPEN, MASTERS AND JUNIOR ONE-HOUR**, various locations, August 1973 to July 27, 1974. Results tabulated from around the country. Course: 440-yard tracks. 1973 race: 505 runners, won by Dave White 12m 100y, Dan Schlesinger (junior) 11m 1174y, Hal Higdon (Master), 11m 677y, Nadia Garcia (woman) 9 m 1625y. Contact: John Brennand, 4476 Meadowlark Ln., Santa Barbara, Calif. 93105.
- **NATIONAL AAU OPEN 15-KILOMETER**, Littleton, Colorado, 3 August. Course: no information available. 1973 race: 140 runners, won by Chuck Smead 48:23.6 and Donna Messenger 1:09:22. Contact: Joe Arrazola, 12336 E. Kentucky, Aurora, Colo. 80012.
- **NATIONAL AAU MASTERS 15-KILOMETER**, Michigan City, Indiana, 3 August (7 p.m.). Course: two laps. 1973 race: 27 finished, won by Hal Higdon 52:48.8. Ages 40-up. Contact: Hal Higdon, 2815 Lake Shore Dr., Michigan City, Ind. 46360.
- **NATIONAL AAU JUNIOR 15-KILOMETER**, Looking Glass, Oregon, 5 January (1 p.m.). Course: 2 laps. 1973 race: 102 finished, won by Gary Washington 48:10. Ages 19-under. \$1.00 fee. Contact: Stan Stafford, 1778 N.W. Lemans, Roseburg, Ore. 97470.
- **NATIONAL AAU OPEN 20-KILOMETER**, Gardner, Massachusetts, 20 October (2 p.m.). Course: no information available. 1973 race: 166 runners, won by William Rodgers 1:03:58. Contact: Bob Campbell, 39 Linnet St., West Roxbury, Mass. 02132.
- **NATIONAL AAU MASTERS 20-KILOMETER**, Detroit, Michigan (Belle Isle), date pending. Course: 4 laps, flat. 1973 race: 20 finished, won by Steve Goldberg and Hal Higdon 1:12:08.6. Ages 40-up. Contact: Edward Kozloff, 10144 Lincoln, Huntington Woods, Mich. 48070.
- **NATIONAL AAU JUNIOR 20-KILOMETER**, Aurora, Colorado, 30 June (8:30 a.m.). Course: no information available. 1973 race: won by Jack Pottle 1:10:39. Ages 19-under. Contact: Joe Arrazola, 12336 E. Kentucky, Aurora, Colo. 80012.
- **NATIONAL AAU OPEN 25-KILOMETER**, San Diego, California, 21 December (10 a.m.). Course: no information available. 1973 race: 41 fin-

ished, won by Paul Talkington 1:22:37.4. Contact: Bill Gookin, 5946 Wenrich Dr., San Diego, Calif. 92120.

- NATIONAL AAU MASTERS 25-KILOMETER, Tulsa, Oklahoma (Mohawk Park), 9 November (11 a.m.). Course: 5 laps, flat. 1973 race: 13 finished, won by Hal Higdon 1:28:47. Ages 40-up. \$2.00 fee (\$3.00 late). Contact: Vern Whiteside, 6916 S. Knoxville Ave., Tulsa, Okla. 74136.
- NATIONAL AAU OPEN AND MASTERS 30-KILOMETER, Culver City, California, 3 March (7:30 a.m.). Course: probably laps. 1973 race: 86 finished, won by Bob Fitts 1:37:35.2. Masters race for ages 40-up. \$2.00 fee. Contact: Tom Cory, 515 N. Howard, Glendale, Calif. 91206.
- MIDWEST RRC 50-KILOMETER, Chicago, Illinois (Stagg Field), 12 May (9 a.m.). Course: 440-yard Tartan track. 1973 race (50 miles): 1 finished, Martin Smith 5:26:40. \$2.00 fee. Contact: Ken Young, NCAR, Box 1470, Boulder, Colo. 80302.
- NATIONAL AAU OPEN AND MASTERS 50-KILOMETER, Seattle, Washington (Green Lake), 1 September. Course: no information available. 1973 race: 39 finished, won by Max White 3:19:17.4, Vince Chiappetta (master) 3:34:28 and Nina Kuscsik (woman) 4:11:58. Masters race for ages 40-up. Contact: Guy Renfro, 22855 30th Ave. S., No. 8, Kent, Wash. 98031.
- SOUTHERN PACIFIC AAU 50-KILOMETER, Pasadena, California (Rose Bowl), 12 May (7:30 a.m.). Course: 2 laps. 1973 race: 25 finished, won by Bill Scobey 2:52:24 and Linda Bottlik 4:41:22. \$1.50 fee. Contact: Tom Cory, 515 N. Howard, Glendale, Calif. 91206.
- PACIFIC AAU 50-KILOMETER, Sacramento, California, 20 October (10 a.m.). Course: out-and-back, flat. 1973 race: 13 finished, won by Steve Dean 2:56:06.8. Contact: Walt Betschart, 4120 A St., Sacramento, Ca.
- INTERNATIONAL TWO BRIDGES 36-MILE, Washington, D.C., 26 October (8 a.m.). Course: out-and-back. 1973 race: 35 finished, won by Bob Thurston 3:32:22. \$2.00 fee. Contact: Lee Shelton, 15000 Bitterroot Way, Rockville, Md. 20853.
- NATIONAL AAU OPEN AND MASTERS 50-MILE, New York, New York (Central Park), 2 November (9 a.m.). Course: laps. 1973 race: 14 finished, won by Ed Walkwitz 5:31:01.8 and Vince Chiappetta 5:52:35. Masters race for ages 40-up. Contact: Vince Chiappetta, 2 Washington Square Village, Apt. 9D, New York, N.Y. 10012.
- IOWA AAU 50-MILE, Des Moines, Iowa, September (?). Course: laps. 1973 race: 2 finished, won by Loren Moes no time. Contact: Butch Hammer, R.R. 1, Carlisle, Iowa 50047.
- JOHN F. KENNEDY 50-MILE, Boonsboro to Hagerstown, Maryland, 30 March. Course: point-to-point. 1973 race: 675 finished, won by Max White 5:55:30 and Donna Aycoth 8:26:07. Contact: Buzz Sawyer, 149 N. Potomac, Hagerstown, Md. 21740.
- PACIFIC AAU 50-MILE, Rocklin, California, 23 March (8 a.m.). Course: 5-mile laps. 1973 race: 9 finished, won by Darryl Beardall 5:56:02. Contact: Robert DeCelle, Box 1606, Alameda, Calif. 94501.

- **RUNNER'S WORLD 50-MILE**, San Jose, California, July (?). Course: 440-yard Tartan track. 1973 race: 2 finished, won by Bill McCray 6:57:25. Contact: Runner's World, Box 366, Mountain View, Calif. 94040.
- **BEVERLY HILLS STRIDERS 50-MILE**, Santa Monica, California (Santa Monica College), 14 September (3 p.m.). Course: 440-yard track. 1973 race: 8 finished, won by Carlos Alfaro 6:15:26 and Eileen Waters 7:05:31. \$2.00 fee. Contact: Tom Sturak, Box 1602, Santa Monica, Calif. 90406.
- **CAMELIA CAPITAL 100-MILE**, Sacramento, California, 9 March. Course: no information available. 1973 race: 2 finished, won by Natalie Cullimore 18:09:16. Contact: John Hill, 604 Flint Way, Sacramento, California 95818.
- **200-KILOMETER**, Washington, D.C., 26-27 October (7:30 a.m.). Course: out-and-back along flat canal towpath. 1973 race: none finished. \$5.00 fee. Contact: Lee Shelton, 15000 Bitterroot Way, Rockville, Md. 20853.

LONG DISTANCE WALKING

For the first time, we're including race walkers in this booklet. The move is a logical one, since the walkers are the road runners' first cousins. The courses and distances are the same. Only the action varies.

All walking records, like the running ones, must be set on the track. All-time lists and those for 1973, however, include both road and track times.

In the United States list for 1973 are all 20-kilometer walkers under two hours and all 50-K's under six hours. These, of course, are the two Olympic distances.

See the "late news" section in the back of the booklet for possible additions or corrections.

World and American Records

MARK	NAME (COUNTRY)	RACE	NAME	MARK
8m 1294y	Grigoriy Panischkin (SU)	One hour	Ron Laird	8m 420y
1:04:22	Grigoriy Panischkin (SU)	15 kms.	Tom Dooley	1:07:11.8
1:09:16	Peter Frenkel (E Ger)	10 miles	Tom Dooley	1:12:12
1:25:19.4	Peter Frenkel (E Ger)& Hans-Georg Reimann (EG)	20 kms.	Larry Young	1:30:10
1:50:46.6	Alexander Bilek (Czech)	15 miles	Goetz Klopfer	1:52:44
1:52:23	Boris Khrolovich (SU)	25 kms.	Goetz Klopfer	1:56:53
16m 993y	Peter Frenkel (E Ger)	2 hours	Goetz Klopfer	15m 1578y
2:14:45.6	K-H Stadtmuller (E Ger)	30 kms.	Goetz Klopfer	2:33:14
2:31:33	Anatoliy Vedyakov (SU)	20 miles	Goetz Klopfer	2:33:59
2:47:34	Bob Kitchen (US)	35 kms.	Bob Kitchen	2:47:34
3:15:26	Peter Selzer (E Ger)	40 kms.	Bob Kitchen	3:20:00
3:16:24	Peter Selzer (E Ger)	25 miles	Bob Kitchen	3:21:16
3:56:12.6	Peter Selzer (E Ger)	30 miles	Bob Kitchen	4:04:35
4:03:42.6	Venyamin Soldatenko (SU)	50 kms.	Bob Kitchen	4:13:36
7:23:50	Shaul Ladany (Israel)	50 miles	John Kelly	8:47:47
17:18:50.4	Hugh Nielsno (GB)	100 miles	Larry O'Neil	19:24:52.4
134m 202y	Colin Young (GB)	24 hours	(no record)	

All-Time World and U.S. Lists

20 KILOMETERS

1:24:50	Paul Nihill (GB) 1972
1:25:19	Peter Frenkel (EG) 1972
1:25:19	Hans-Georg Reimann (EG) 72
1:25:21	Karl-Heinz Stadtmuller (EG) 73
1:25:21	Gennadiy Agapov (SU) 1968
1:25:26	Vladimir Golubnichiy (SU) 68
1:25:37	Gerhard Sperling (EG) 1972
1:25:45	Boris Khrolovich (SU) 1968
1:25:49	Nikolay Smaga (SU) 1968
1:25:52	Yevgeniy Ivtschenko (SU) 1971

20 KILOMETERS

1:28:18	Ron Laird 1967
1:29:50	Dave Romansky 1970
1:30:10	Larry Young 1972
1:30:39	Tom Dooley 1971
1:31:51	Bob Kitchen 1972
1:32:06	Steve Hayden 1970
1:32:23	Todd Scully 1973
1:32:36	Gary Westerfield 1969
1:32:38	Goetz Klopfer 1971
1:33:21	Bill Ranney 1972

50 KILOMETERS

3:52:44 Bernd Kannenberg (WG) 1972
 3:57:10 Otto Bartsch (SU) 1973
 3:57:25 Christoph Hohne (EG) 1973
 3:59:21 Peter Selzer (EG) 1971
 3:58:24 Venyamin Soldatenko (SU) 1972
 4:00:27 Gerhard Weidner (WG) 1973
 4:00:46 Larry Young (US) 1972
 4:03:16 Bernhard Nermerich (WG) 1972
 4:03:41 Sergey Grigoryev (SU) 1972
 4:04:35 Osvalds Dalke (SU) 1970

50 KILOMETERS

4:00:46 Larry Young 1972
 4:13:35 Bob Kitchen 1972
 4:15:11 John Knifton 1972
 4:15:24 Dave Romansky 1970
 4:18:28 Goetz Klopfer 1968
 4:20:09 Bill Weigle 1972
 4:21:05 Gary Westerfield 1971
 4:21:29 Bob Bowman 1968
 4:23:22 Steve Hayden 1972
 4:23:48 Floyd Godwin 1973

1973 United States Lists

20 KILOMETERS

1:30:27 Ron Laird (35, WG)
 1:32:23 Todd Scully (NJ)
 1:34:05 Jerry Brown (28, Colo)
 1:34:15 Bill Ranney (37, Cal)
 1:34:55 John Knifton (33, NY)
 1:35:02 Bob Kitchen (25, Cal)
 1:35:47 Ray Somers (Md)
 1:36:48 Bill Weigle (32, Cal)
 1:37:09 Bob Henderson (Cal)
 1:38:45 Floyd Godwin (28, Colo)
 1:40:03 Ron Daniel (NY)
 1:40:23 Carl Swift (Cal)
 1:40:23 Pete Van Arsdale (Colo)
 1:40:35 Steve Hayden (29, NY)
 1:40:55 Jim Bean (Ore)
 1:41:05 John Kelly (43, Cal)
 1:41:26 Augie Hirt (Kans)
 1:41:51 Don O'Connor (NY)
 1:43:27 Paul Ide (Kans)
 1:43:42 Ron Kulik (33, NY)
 1:43:58 Rudy Haluza (41, Cal)
 1:44:03 Mike DeWitt (Cal)
 1:44:10 Mike Ryan (Cal)
 1:44:30 Wayne Glusker (23, Cal)
 1:45:01 Rob Frank (Wash)
 1:45:11 Howie Palamarchuk (19, Pa)
 1:45:48 Bob Bowman (33, Cal)
 1:45:58 Jim Murchie (NY)
 1:46:03 Dick Ortiz (Cal)
 1:47:04 Bob Rosencrantz (jr, Wash)
 1:47:41 Gary Westerfield (28, NY)
 1:48:02 Hank Klein (Cal)
 1:49:00 Randy Mimm (Jr, NJ)
 1:49:12 Brian Snazelle (Nev)
 1:49:37 Bob Mimm (40+, NJ)
 1:49:47 Ed Bouldin (Cal)
 1:50:50 John Shilling (NY)
 1:51:07 Francis Maher (Mass)
 1:51:10 Larry Newman (NY)
 1:51:15 Ion Barbu (NY)
 1:53:52 Dan Fitzpatrick (Cal)

1:54:11 Larry Young (30, Mo)
 1:54:20 Roger Duran (31, Cal)
 1:54:30 Al Schrik (Mo)
 1:54:45 Paul Sonnefield (Cal)
 1:55:21 John Markon (40+)
 1:56:36 Don Johnson (50+, NJ)
 1:57:06 Mike Hale (Okla)
 1:57:08 Wayne Danker (Jr, NY)
 1:59:19 Elliott Denman (40+, NJ)
 1:59:27 Jack Memendez (NY)

50 KILOMETERS

4:16:48 John Knifton (33, NY)
 4:22:27 Bill Weigle (32, Cal)
 4:23:48 Floyd Godwin (28, Colo)
 4:29:38 Bob Kitchen (24, Cal)
 4:35:51 Ron Laird (34, Cal)
 4:37:18 Jerry Brown (28, Colo)
 4:39:22 Bob Henderson (Cal)
 4:47:02 Mike Allen
 4:48:50 Augie Hirt (Kans)
 4:52:19 Bob Bowman (33, Cal)
 4:53:19 Dan O'Connor (NY)
 4:56:27 Ron Daniel (NY)
 4:56:43 Al Schrik (Mo)
 4:58:16 John Kelly (43, Cal)
 5:05:50 Tom Knatt (Mass)
 5:07:25 Ed Bouldin (Cal)
 5:08:39 Mike DeWitt
 5:11:25 Bill Walker (36, Mich)
 5:16:27 Jerry Bocci (Mich)
 5:27:58 Dave Eidahl (Ia)
 5:30:42 George Lattarulo (Mass)
 5:34:05 Chuck Hunter (Colo)
 5:34:15 Steve Rebman (Mass)
 5:35:57 Dave Leuthold (Mo)
 5:36:10 Ben Brown (Mass)
 5:41:58 Francis Maher (Mass)
 5:51:21 Jim Breitenbucher
 5:55:12 Larry O'Neil (65, Mont)
 5:56:47 Fred Kuhn (Ill)
 5:57:04 Leonard Busen (Mo)

1974 Race Schedules

The walkers have added a new division for 1974—the so-called “B” classification. This replaces the old “junior” division, which was open to all walkers who hadn’t been national champions or hadn’t been on international teams. Juniors are now athletes 19 years and younger. The AAU is still looking for sites for its “B” races at 25, 30, 50, 75 and 100 kilometers and one hour.

- AAU OPEN 10-KILOMETER, Chicago, Illinois, 25 May. 1973 race: won by Jerry Brown 46:19. Contact: William Ross Jr., 2835 N. Lincoln Ave., Chicago, Ill. 60657.
- AAU “B” 10-KILOMETER, Oregon. Site and date pending. Contact: Don Jacobs, Box 23146, Tigard, Ore. 97223.
- AAU WOMEN’S 10-KILOMETER, Columbia, Missouri, 19 October. 1973 race: won by Ellen Minkow 56:19. Contact: Joe Duncan, 4004 Defoe Dr., Columbia, Mo. 65201.
- AAU JUNIOR 10-KILOMETER, Gainesville, Florida, 22 or 23 June. 1973 race: won by Randy Mimm 51:45.2. Contact: Jimmy Carnes, Track Coach, University of Florida, Gainesville, Fla. 32691.
- AAU OPEN ONE-HOUR, Boulder, Colorado, 14 April. 1973 race: won by Roger Mills 8 miles 252 yards. Contact: Floyd Godwin, 935 Ash St., Broomfield, Colo. 80020.
- AAU JUNIOR ONE-HOUR, New Jersey. Site and date pending. 1973 race: won by Jim Bentley 7 miles 136 yards. Contact: Elliott Denman, 28 N. Locust Ave., West Long Branch, N.J. 07764.
- AAU OPEN 15-KILOMETER, Los Angeles, California, 4 May. 1973 race: won by Jerry Brown 1:13:26. Contact: Bob Bowman, 8711 Pershing Dr., Playa Del Rey, Calif. 90291.
- AAU “B” 15-KILOMETER, Inland Empire Association. Site and date pending. Contact: Dick Baker, 5117 North Adams, Spokane, Wash. 99203.
- AAU JUNIOR 15-KILOMETER, Reno, Nevada, 10 March. 1973 race: won by Jim Bentley 1:18:26.2. Contact: 2973 W. Swain Rd., No. 37, Frank Hagerty, Stockton, Calif. 95207.
- AAU OPEN AND “B” 20-KILOMETER, East Meadow, New York, 9 June. 1973 race: won by Bill Ranney 1:34:15. Contact: Bruce MacDonald, 29 Fairview Ave., Port Washington, N.Y. 11050.
- AAU JUNIOR 20-KILOMETER, West Long Branch, New Jersey, 11 August. 1973 race: won by Jim Murchie 1:56:23. Contact: Elliott Denman, 28 N. Locust Ave., West Long Branch, N.J. 07764.
- AAU MASTERS 20-KILOMETER, Portland, Oregon, 7 July. 1973 race: won by John Kelly 1:51:07. Contact: Don Jacobs, Box 23146, Tigard, Ore. 97223.

- AAU OPEN 25- KILOMETER, Des Moines, Iowa, 28 April. 1973 race: won by John Knifton 2:05:50. Contact: Butch Hammer, R.R. 1, Carlisle, Iowa 50047.
- AAU JUNIOR 25-KILOMETER, East Meadow, New York, 26 May. Contact: Bruce MacDonald, 29 Fairview Ave., Port Washington, N.Y. 11050.
- AAU OPEN 30-KILOMETER, Columbia, Missouri, 20 October. 1973 race: won by Jerry Brown 2:28:12. Contact: Joe Duncan, 4004 Defoe Dr., Columbia, Mo. 65201.
- AAU OPEN 35-KILOMETER, Los Angeles, California, 17 March. 1973 race: won by John Knifton 3:00:30.8. Contact: Bob Bowman, 8711 Pershing Dr., Playa Del Rey, Calif. 90291.
- AAU "B" 35-KILOMETER, Chicago, Illinois, 27 October. Contact: William Ross, Jr., 2835 N. Lincoln Ave., Chicago, Ill. 60657.
- AAU MASTERS 35-KILOMETER, Kalispell, Montana, 10 July. Contact: Larry O'Neil, 233 5th ave. E., Kalispell, Mont. 599901.
- AAU OPEN AND "B" 40-KILOMETER, Long Branch, New Jersey, 4 August. 1973 race: won by John Knifton 3:29:45. Contact: Elliott Denman, 28 N. Locust Ave., West Long Branch, N.J. 07764.
- AAU OPEN 50-KILOMETER, Seattle, Washington, 1 September. 1973 race: won by Bill Weigle 4:22:27. Contact: Dean Ingram, 3729 N.E. 165th, Seattle, Wash. 98156.
- AAU OPEN 75-KILOMETER, West Long Branch, New Jersey, 23 April. Contact: Elliott Denman, 28 N. Lucust Ave., West Long Branch, N.J. 07764.
- AAU OPEN 100-KILOMETER, Des Moines, Iowa, date pending. Contact: Butch Hammer, R.R. 1, Carlisle, Iowa 50047.

R.W. 24-HOUR RELAY

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.

24-HOUR RELAY RECORDS

World	295 miles 269 yards	Olympic Training Camp (Wash)	1970
Club	293 miles 378 yards	Sale Harriers (England)	1972
College	277 miles 896 yards	Furman University (So. Carolina)	1971
H.S.	276 miles 769 yards	Dos Pueblos HS TC (Calif.)	1972
H.S. (girls)	163 miles 697 yards	Crow High Girls (Oregon)	1973
H.S. (Freshman)			
boys)	222 miles, 157 yards	Estacada Frosh (Oregon)	1973
Jr. High	237 miles 880 yards	Webb Jr. High (Tampa, Fla.)	1973
Jr. High			
(girls)	170 miles 30 yards	Hook Jr. High (Victorville, Cal.)	1973
Elem.	198 miles 400 yards	Ocean City Elementary (Fla.)	1973
Am. club	284 miles 224 yards	West Valley Track Club (San Jose)	1973
Indoor	276 miles 576 yards	Ohio State University (Ohio)	1973
Race walk	162 miles 275 yards	Colorado Track Club (COlo)	1973
Over-40	259 miles 108 yards	Senior Track Club (Calif.)	1971
10 men	295 miles 269 yards	Olympic Training Camp (Wash)	1970
10 women	223 miles 80 yards	Kettering Striders (Ohio)	1972
9 men	277 miles 715 yards	Suburban All-Stars (Ill.)	1973
8 men	263 miles 552 yards	New Canaan H.S. (Conn.)	1973
8 women	110 miles 440 yards	Baker Girls (Ohio)	1972
7 men	257 miles 470 yards	Appalachian AC	1972
7 women	126m 440y	Fairborn Girls (Ohio)	1973
6 men	246 miles	Tampa Six Pack (FLorida)	1973
6 women	175 miles 79 yards	Crazy Legs (Maryland)	1973
5 men	227 miles 720 yards	Troy State AC (Alabama)	1972
5 women	127 miles 690 yards	Illinois Belles (Illinois)	1972
4 men	213 miles 904 yards	Goleta Striders (Calif.)	1972
3 men	190 miles	Fresno Pacific Frosh (Calif.)	1972
3 women	115 miles	Pacetroppers of Santa Barbara (Ca)	1972
2 men	181 miles 632 yards	Bowling Green Mar. Club (Ohio)	1972
Police	236 miles 1630 yards	Los Angeles Police Dept. (Calif.)	1972

STATE ALL-COMERS RECORDS

Ala.	Troy State AC	227m 720y	Ida.	Ida. Falls Easy Striders	218m 1370y
Ariz.	Arizona All-Stars	263m	Ill.	Suburban All-Stars	277m 715y
Ark.	Harding Harriers	272m 1713y	Ind.	Oak Hill High	241m 76y
Cal.	So. Cal. All-Stars	290m 1606y	Iowa	Cedar Val. Pounders	259m 1170y
Colo.	Pueblo County RC	216m 1637y	Ky.	Bluegrass Runners	261m 100y
Conn.	New Canaan HS	258m 842y	Me.	Greater Portland AC	278m 1124y
Del.	Del. All-Stars	243m 88y	Md.	Otto Club	257m 1554y
Fla.	Miss. Gulfcoast Striders	259m 1180y	Mass.	SE Mass. U.	248m 1200y
Ga.	Ft. Benning Orienteers	257m 963y	Mich.	Loy Norrix HS	254m 501y

Minn.	Minn. Footpounders	277m 200y	Ok.	McLain HS	275m 959y
Miss.	Miss. Gulf Coast Strid.	259m 1180y	Ore.	Honeysuckle TC	266m 896y
Mo.	Mo. Madmen	274m 1452y	Pa.	Suburban All-Stars	259m 1161y
Mont.	Aadsen Ford	203m 350y	S.C.	Furman U.	277m 896y
N.C.	Charlotte-Meckl. TC	193m 1110y	Tex.	Cross-Country Club	247m 398y
N.H.	N.H. Flakes	232m 480y	Utah	Utah Marathoners	200m 60y
N.J.	N.J. Striders	271m 229y	Va.	Bethesda TC	275m 330y
N.M.	Atomic City TC	272m 632y	Wa.	Olympic Camp	295m 269
N.Y.	Finger Lakes Runners	255m 790y	W.V.	West Va. Runners	284m 1240y
N.D.	Capital City Grease	242m 1320y	Wisc.	Indianhead TC	269m 490y
Oh.	Ohio State U.	276m 576y			

'73 RELAY RESULTS

1.	BLACKHEATH HARRIERS	291m 306y	13-14 April
2.	WEST VALLEY TC	284m 224 y	13-14 July
(Jim Dare, Chris Berka, Gordon MacMitchell, John Sheehan, William Johnson, Rich McCandless, Dave Himmelburger, Dan Anderson, Daryl Zapata, Jim Howell)			
3.	BETHESDA TC	278m 1403y	4-5 Aug.
4.	GREATER PORTLAND AC	278m 1124y	1-2 June
5.	SUBURBAN ALL-STARS	277m 715y	14-15 July
(Arnie Jackson, Jay Sheldon, M ^{rs} Delabruere, Pete Elliott, Brian Powell, Mike Novak, Tony Magdalena, Bob Carpenter, Al Anderson)			
6.	MINN. FOOTPOUNDERS	277m 200y	21-22 July
(Carter Holmes, Randy Ohman, John Cramer, Dave Phillips, Gordy Benfield, Don Hudson, Jim Moes, Kurt Karwoski, Tim O'Donnell, Bill Ebertz)			
7.	OHIO STATE U.	276m 576y	30 Nov. - 1 Dec.
(Ernie Watts, Tom Bryant, Jerry Mounts, Rich Smith, Robin Smith, Steve Barker, Stan Caryle, Dave Glidewell, Ron Moeller, Tom Byers)			
8.	HARDING HARRIERS	272m 1713y	30 Nov. - Dec. 1
(Mak Cealeazzi, Larry Butler, Dave Nixon, Brian Glidersleeve, Kent Johnson, Pat McClafferty, Dave Hamilton, Joe Shepherd, Rock Meservey, Richard Bellis)			
9.	INDIANHEAD T.C.	269m 490y	21-22 Oct.
Bill Luise, Jim Drews, Dan Clark, Jim Jedder, Gary Sasman, Pat McGuire, Doug Jordan, Ken Van Es, Chris Everts, Dave Kayser)			
10.	W. VALLEY 8+ CAL AGGIE	268m 475y	13-14 July
(Mike Bergkamp, Stuart Hobbs, Joe Woods, Tom Pelton, Harvey Sundoval, Emil Magallanes, Doug McLean, Brian Moroney, Pete Dinno, Santos Reynaga)			
Palos Verdes H.S.	266m 825y	Hickory H.S.	246m 49y
N.A.T.O.	266m 111y	Tampa Six Pack	246m
New Canaan H.S.	263m 552y	Do It Earle Gang	245m 660y
St. Louis Metro H.S.	261m 1375y	Porterville Striders	245m 220y
Glen Ellyn Running Club	261m 690y	Baldwinsville 9 + 1	244m 440y
Bluegrass Runners Club	261m 100y	Tidewater Reds	243m 17y
Miss. Gulf Coast Striders "A"	259m 1180 y	Hazen High	242m 1275y
Appalachian AC	257m 1470y	South Side Striders	242m 1000y
Williams Road Runners	256m 1393y	Underwater Demolition Team	241m 880y
Loxnorrix High	256m 1303y	Brandywine H.S.	241m 453y
Crown Point Track Club	255m 1631y	Clinton Pacers	241m 64y
Newts	252m 1100y	Proviso Striders	241m
D.C. Harriers	250m 1508y	Mercy High "A"	240m
No Names	249m 240y	W. Springfield Spartans	239m 440y
Baltimore Road Runners	247m 449y	Churchill T.C.	238m 545y

Alameda T.C.	238m	The Mouse & His Mice	200m 340y
Webb Jr. High	237m 880y	Vargas' Vandals	200m 205y
Turkeys	237m 428y	Bud Crew	199m 1409y
Linton Devils	237m 138y	Redwood City Flyers Girls	198m 1080y
Quantico Runners	236m 974y	5-Man Sweat	198m 551y
Pryor Junior High	235m 330y	Ocean City Elem. School	198m 400y
Coaches' Team	234 m 620y	Oswego Road Runners	197m
St. Bonaventure Univ.	233m 390y	Also-Rans	196m 1729y
Dirteaters	233m	Schalmont H.S. "B"	196m 1094y
New Hampshire Flakes	232m 480y	Mixed Doubles	195m 768y
Hardin Sprinters	231m 464y	McClue North Stars	192m 1327y
Tidewater Blues	230m 336y	Hell No's	192m 6y
Eglin AFB	230m 120y	College All Stars	189m 101y
Melting Pot	227m 1252y	Crow Hi Freshmen Boys	185m 710 y
Bastard 10	22m 1069y	Springfield Joggers Jr. High	183m
Track Rats	227m 30y	Adams & Eve	182m 1066y
Dulaney T.C.	226m 1470y	Crow Hi's Other Team	176m 673y
Hannibal, N.Y. Varsity	226m 600y	Crazy Legs	175m 79y
Greylock Mounties	226m 450y	Tow-Ony	124m 529y
White Rock Striders	226m 230y	Grand Rapids West H.S.	174m
Taft Roadrunners	224m 150y	Peninsula T.C.	174m
Ralston T.C.	223m 1500y	Choctaw	171m 20y
Citrus High School	223m 1390y	Hook Junior High Girls	170m 30y
Bruner Jr. High	223m 1115y	Brandywine B. Jr. High	169m
Schalmont H.S. "A"	223m 752y	Foot Sore 4	166m
Estacada H.S. Freshmen	222m 157y	Sunnyvale Fast Frosh	165m 1320y
Pacific Grove H.S.	222m 20y	Crow Hi Girls	163m 697y
Pueblo County Running Club	216m 1637y	Colorado Track Club	162m 275y
Redwood City Flyers	216m 800y	Bede's Speedys	162m 39y
San Luis Obispo H.S.	216m 582y	Battle Creek St. Phillips H.S.	161m
SUNYA Mathematics Dept.	216m 296y	Riis Park Rejects	161m
Tax Reducers	215m	Missouri Madmen II	160m
Redwood City Flyers	214m 880y	Cakeland Lassies	156m 707y
Miss. Gulf Coast Striders "B"	213m 900y	Road Runners	154m 250y
Interlake H.S. T.C. Eight	213m 883y	Solano T.C.	153m
Niles Shamrock J.C.	212m 1450y	Univ. of Puget Sound	153m
Blacksburg H.S. Varsity	212m	Jordan's Red Team	151m 880y
Indian Head Missiles	211m 981y	STC	150m
Dot-USCGEF	211m 948y	Roxbury H.S. "A"	150m
Pamakid A	211m	Palma H.S.	147m
Masochists	210m 893y	Springfield Joggers Saints	145m
Oswego of Hannibal Jr. High	209m 1450y	Jordan's Blue Team	132m 440y
St. Francis Sole Brothers	209m 1345y	Carmel H.S.	130m
UCTC Masters	208m 835y	Illinois Belles	127m 690y
Mt. Lake T.C.	208m 527y	Fairborn Girls	126m 440y
Margate Jr. High	207m 385y	Campellini's Pizza	116m 408y
Oswego Junior High	205m 1320y	Striders	112m 0y
Los Gatos Pacers	205m 288y	Alameda T.C. "A"	111m
Duanesborg Roadrunners	204m	Jefferson Township H.S.	108m
Olde Tymers A.C.	202m 880y	Alton H.S.	103m 1320y
Fleet Marine Force Atlantic	202m 228y	Alameda T.C.	101m
San Jose High Mud Puppies	202m	Joe's Junkers	100m
Lake Highlands High	201m	Dooley's 100	100m
Springfield Joggers Angels	201m	Ritenour H.S.	90m
St. Louis YMCA T.C.	201m	Indianhead Joggers	50m
Pamakid B	200m 1200y		

ALL-TIME RELAY LIST

TEAM (PLACE)	DISTANCE	SITE	DATE
1. Olympic Training Camp "Red"	295m 269y	Pullman, Wash.	20 Jul 70
2. Sale Harriers	293m 378y	Cross. Brid., Eng.	7 Oct 72
3. Blackheath Harriers	291m 306y	Crys. Pal., Eng.	13 Apr 73
4. Southern California All-Stars	290m 1606y	Fullerton, Calif.	11 Dec 71
5. Olympic Training Camp "Blue"	289m 1512y	Pullman, Wash.	20 Jul 70
6. Sale Harriers	287m 392y	Sale, England	13 Nov 71
7. West Virginia Runners	284m 1240y	Morgantown, Va.	28 Aug 71
8. West Valley T.C.	284m 224y	San Jose, Calif.	13 Jul 73
9. Bethesda T.C.	278m 1403y	Ft. Meade, Md.	4 Aug 73
10. Greater Portland A.C.	278m 1124y	Portland, Maine	1 Jun 73
11. Torbay A.A. Club	277m 1364y	Torquay, Eng.	29 Aug 71
12. Furman University	277m 896y	Greenville, S.C.	21 May 71
13. Suburban All-Stars	277m 715y	Maywood, Ill.	14 Jul 73
14. Minnesota Footpounders	277m 200y	Eau Claire, Wisc.	21 Jul 73
15. Dos Pueblos H.S. T.C.	276m 769y	Goleta, Calif.	9 Jun 72
16. Ohio State U.	276m 576y	Columbus, Ohio	30 Nov 73
17. Tulsa R.C.	275m 959y	Tulsa, Okla.	17 Jun 72
18. Bethesda T.C.	275m 330y	Arlington, Va.	5 Aug 72
19. Missouri Madmen	274m 1452y	Florissant, Mo.	17 Jun 72
20. Ohio Track Club	274m 936y	Columbus, Ohio	16 Jul 71
21. Carleton—St. Olaf Striders	274m 141y	Northfield, Minn.	25 May 71
22. Harding Harriers	272m 1713y	Searcy, Ark.	30 Nov 73
23. Kettering Striders "A"	272m 1060y	Trenton, Ohio	29 Jul 72
24. Atomic City Track Club	272m 632y	Los Alamos, N.M.	8 Aug 70
25. University of Victoria	271m 761y	Victoria, B.C.	28 Aug 71

LATEST INFORMATION

This is information received in the last several days of December, after the bulk of the booklet had gone to press. Despite repeated requests to meet directors, no information was received from the Linn Tech, Philadelphia and Deerfield Beach marathons. Only partial results came from the Heart-Watchers' race.

MARATHON CALENDAR

- DIXON—41 finished, 17 under 3:00, 27 under 3:30, 34 under 4:00; won by Charles Trayer 2:30:56 and Maridel Walsh 4:40:19 (both records).
- FIESTA BOWL—3 under 2:30, 28 under 3:00; won by Pete Span 2:18:49 (record) and Ruth Anderson 3:26:07.
- HOLIDAY—16 finished, 1 under 3:00, 13 under 3:30 and 4:00; won by Roger Wilcox 2:56:14 (no women).
- HONOLULU—151 finished, 1 under 2:30, 16 under 3:00; won by Duncan Macdonald 2:27:34.8 and June Chun 3:25:31 (both records). 1974 race scheduled for 15 December. Contact: Recreation Dept., City and County of Honolulu, 1455 S. Beretania St., Honolulu, Hawaii 96814.
- HOUSTON—52 finished, 7 under 3:00; won by Juan Garza 2:37:47 and Nancy Laird 4:29:09. Next race rescheduled for 18 January 1975.
- MADERA—23 finished, 5 under 3:00, 15 under 3:30, 17 under 4:00; won by Jeff Arnold 2:34:08 and Lucy Bunz 3:26:44.
- MALLITTS BAY—New race scheduled for 23 February. Contact: Larry Kimball, RFD 2, River Rd., Winooski, Vt. 05404.
- MARYLAND—336 finished, 67 under 3:00, 173 under 3:30, 258 under 4:00. 1974 race scheduled for 30 November (10:30 a.m.).
- MELBOURNE—92 finished, 18 under 3:00; won by Heinz Wiegand 2:32:34 and Elaine Pedersen 3:46:18.
- ODESSA—54 finished, 5 under 3:00, 15 under 3:30, 28 under 4:00; won by Mike Albert 2:38:02 and Nancy Adams 5:28:13.
- PEACH BOWL—86 finished under 4:00, 3 under 2:30, 32 under 3:00, 63 under 3:30; won by Jeff Galloway 2:20:58 (no women).
- SPOKANE—12 finished, won by Rick Redman 2:59:42.
- SPOKANE EXPO—14 finished.
- YMCA FALL—New race scheduled for 12 October (8 a.m.), Denver, Colo. (Platte River Dr.). Course: 5½-mile loops. Contact: Roger Gerard, Denver YMCA, 25 E. 16th Ave., Denver, Colo. 80202.

ALL-TIME UNITED STATES MARATHON LIST

Pete Span (25, Ariz)

2:18:49

Scottsdale, Ariz.

21 Dec

Jeff Galloway (28, Fla)
Lee Fidler (SC)

2:20:58*
2:23:35*

Atlanta, Ga.
Atlanta, Ga.

29 Dec
29 Dec

1973 UNITED STATES MARATHON LIST

2:18:49 Pete Span (25, Ariz)
2:20:58* Jeff Galloway (28, Fla)
2:22:39 Peter Fredriksson (Cal/Swe)
2:23:35* Lee Fidler (SC)
2:26:29* Ed Strabel (NC)
2:27:34 Duncan Macdonald (24, Haw)
2:29:31 Rob Waugh (Ariz)

2:30 to 2:39

2:30:56* Charles Trayer (Pa)
2:32:28* Robert Zuellick (Pa)
2:32:34* Heinz Wiegand (Md)
2:34:08* Jeff Arnold (18, Cal)
2:34:13 Mark Foster (Ariz)
2:34:26 Winfield Stanforth (23, Hawi)
2:35:06* Goldcamp (Pa)
2:35:20* Dennis Spencer (Ga)
2:35:24 Gordon Haller (23, Hawaii)
2:35:35* Mark Sperry (Ga)
2:35:48 Royden Koito (19, Hawaii)
2:35:52* Ken Leonowicz (Mich)
2:36:30 Jan Ahlberg (40, Ariz)
2:36:38* John Schubert (Pa)
2:37:36* Ronald Chase (Fla)
2:37:47 Juan Garza (28, Tex)
2:38:00 Trini Balderrama (Jr, Ariz)
2:38:02 Mike Albert (19, Tex)
2:38:45* Byron Mundy (Pa)
2:39:21 Johnny Faerber (37, Hawaii)
2:39:24* Kevin Harper (Ga)
2:39:40* Charles Young (Fla)

2:40 to 2:44

2:40:14 Larry Hidalgo (Jr, Ariz)
2:40:32* Randy Stroud (Ga)
2:40:47 Dennis Manske (27, Tex)
2:41:13 Ray Temple (Ariz)
2:41:17 John Notch (25, Hawaii)
2:41:38* Billy Gates (Ga)
2:41:47* Ron Gaff (Mass)
2:42:22* Alan Penberthy (Fla)
2:42:26* David Warthan (Fla)
2:42:29 Ken Stephens (Ariz)
2:42:41 Dennis Fee (Ariz)
2:42:44 Wayne Comer (32, Tex)
2:43:44* Paul Shimon (Fla)
2:43:50* Charles Gibson (Ga)

2:45 to 2:49

2:45:08 Peter Elliston (Ariz)
2:45:08* Larry Garner (Pa)
2:45:13 Gary Hidalgo (Jr, Ariz)
2:45:19 Clent Mericle (20, Tex)
2:45:34 Kim Keller (Jr, Ariz)
2:46:03* Micky Lobb (Pa)
2:46:24* Dennis Branham (40+, Fla)
2:46:26* Terry Gallagher (Mass)
2:46:28* Stephen Graap (Cal)

2:46:30 Richard Caspersen (Ariz)
2:46:42* John Coffey (Pa)
2:46:55* Bill Sunberry (Ga)
2:47:10* Rob Nielsen (Pa)
2:47:26* Ed Jerome (Va)
2:47:27 Don Gregory (20, Hawaii)
2:48:03* Jeff Howdeshell (Jr, Fla)
2:48:12 Clyde Villemez (27, Tex)
2:48:49* Warren Bannister (Pa)
2:48:53* Ralph Jones (Ga)
2:49:01 David Cadiz (37, Hawaii)
2:49:37* Jeff Brandt (Ga)

2:50 to 2:54

2:50:18* Payson Daugherty (Ga)
2:50:24 Steve Stephenson (40+, Ariz)
2:50:46 Eddie Pacheco (21, NM)
2:51:04 Gerald McGath (35, Hawaii)
2:51:21* Jack Bristol (Ga)
2:52:08* Robert Montgomery (Ga)
2:52:18 Jack Currie (Ariz)
2:52:20* Richard Westbrook (Fla)
2:52:24 Paul Yeatts (Ariz)
2:52:30* W. L. Jackson (Ga)
2:52:33* Bill Neely (Ga)
2:52:34 Vic Weber (40, Cal)
2:53:10* Ken Guy (Pa)
2:53:15* Robert Estrada (18, Cal)
2:53:20* Andrew Dower (Md)
2:53:25* Bill Walsh (Ga)
2:53:26 Adolph Cota (Ariz)
2:53:34* Dan Pennock (Ga)
2:53:38 Stanley Yukon (Ariz)
2:54:35* Robert Richlan (Ga)

2:55 to 2:59

2:55:15 Puna Semour (16, Hawaii)
2:55:20 Patricio Alvarez (Jr, Ariz)
2:55:34 Carlos Mora (45, Hawaii)
2:55:46 Leroy Chavez (21, NM)
2:56:01* Adrian Craven (Ga)
2:56:01* Ed Raney (Ga)
2:56:10* Dennis Kasprzyk (Fla)
2:56:14* Roger Wilcox (45, Colo)
2:56:19 Dirk Rommenwinkel (Jr, Az)
2:56:24 Tim Latham (20, Tex)
2:56:35 David Turban (18, Hawaii)
2:57:04* John Dormis (Cal)
2:57:04 Raymond Hosler (Ariz)
2:57:06* Ken Vierra (Jr, Pa)
2:57:14 Wally Shiel (Ariz)
2:57:18 James Brooks (19, Hawaii)
2:57:20* John McCollum (Ga)
2:57:23* Ben Buchner (Ga)
2:57:24 Reggie Heywood (10, Ariz)
2:57:27 Pat Gillett (20, Tex)
2:57:27* Bill Peck (33, Cal)

2:57:33* Bill Caldwell (Ga)
 2:57:53 Don Slocomb (39, Tex)
 2:57:54 George Rivera (Jr, Ariz)
 2:57:58* Kevin Brady (Fla)
 2:57:58* Bob Pollock (Ga)
 2:58:02* Leroy Currier (Fla)
 2:58:15* Tom White (Fla)
 2:58:29* Clyde Baker (Fla)
 2:58:38* Hugh Tankersley (Ga)
 2:58:40* Don MacIntosh (41, Cal)
 2:58:41 Don Young (Ariz)
 2:59:05 Sam Bosetti (42, Hawaii)
 2:59:05* Perry Hoberg (Pa)
 2:59:09 Howard Millsap (37, Tex)
 2:59:10 Rod Steele (Va)
 2:59:13* Hal Lerch (Fla)
 2:59:25 Martin Sullivan (Va)
 2:59:25* Michael Warrell (Pa)
 2:59:29 Gary Naugle (Md)
 2:59:30 Vernon Matsukawa (17, Hawi)
 2:59:30 John Rose (17, Hawaii)
 2:59:42 Rick Redman (Wash)
 2:59:45 Joe Shea (40+, Va)
 2:59:48 Emmett Smith (Ariz)
 2:59:58* Harry Berkowitz (Pa)

ALL-TIME WOMEN

3:02:45 Karin Pagaard (14, Denmark)

1973 U.S. WOMEN

3:25:31 June Chun (14, Hawaii)
 3:26:07 Ruth Anderson (Ariz)
 3:26:44* Lucy Bunz (27, Cal)
 3:27:26 Leah Ferris (30, Hawaii)
 3:31:45 Marilyn Bevans (Md)
 3:37:12 Constance Jungman (Md)
 3:43:09 May Chun (15, Hawaii)
 3:46:18* Elaine Pedersen (Cal)
 3:46:51 Joy Chun (13, Hawaii)

3:47:35 Virginia Moore (26, Hawaii)
 3:50:29 Elizabeth Chini (NY)
 3:59:35 Elizabeth Sadoff (DC)

AGE RECORDS (MEN)

9 3:19:01 Daven Chun (Hawaii)
 10 2:57:24 Reggie Heywood (Ariz)

AGE RECORDS (WOMEN)

13 3:46:51 Joy Chun (Hawaii)

AGE-GROUP LISTS

9 and under

3:19:01 Daven Chun (9, Hawaii)
 4:32:09 Kris Hilbe (8, Hawaii)

Ages 10-11

2:57:24 Reggie Heywood (10, Ariz)
 3:49:42* Gary Stiner (11, Pa)

Ages 12-13

3:13:19 Hingston Chun (13, Hawaii)
 3:25:29 Scott Cole (12, Hawaii)

Ages 40-49

2:36:30 Jan Ahlberg (40, Ariz)

Ages 60-69

3:01:37 John Wall (60, Md)

RACE WALKING

20 Kilometers

1:45:02 Larry Young (Mo)
 1:56:38 Stan Smith (Ia)
 1:56:58 Jim Breitenbucher (Mo)
 1:59:37 Dave Leuthold (Mo)

50 Kilometers

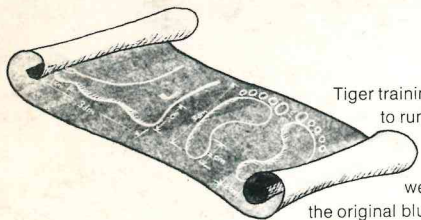
4:51:58 Dan O'Conner

24-HOUR RELAY

249m 990y Pomona College & H.S.

COVER PHOTO: In northern Wisconsin each August, all roads lead to Hurley and the finish line of the Paavo Nurmi marathon—largest race in the Midwest. (Jay McNally photo)

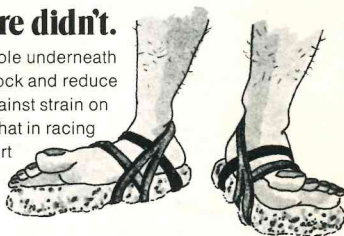
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