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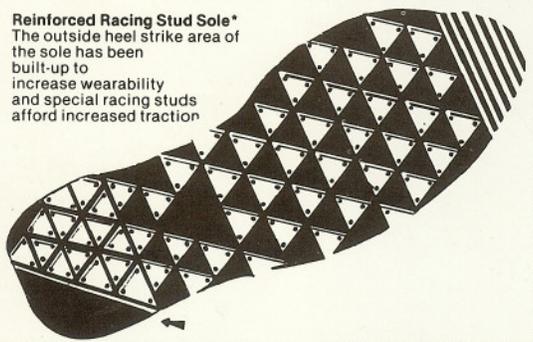
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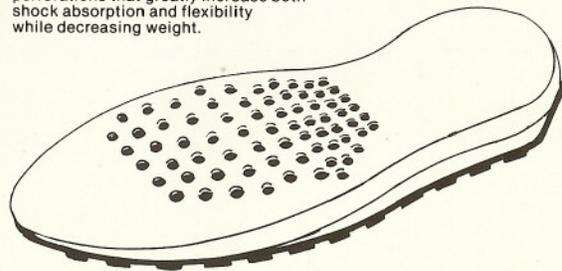
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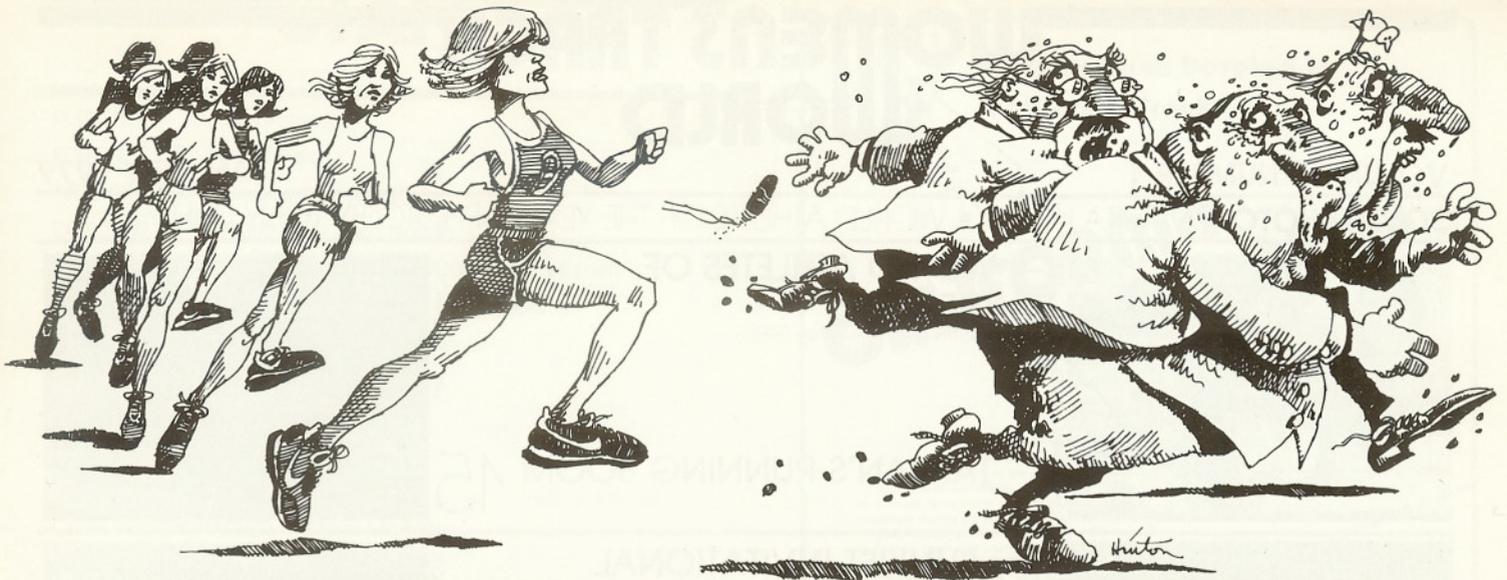
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VOLUME 2 NUMBER 1

JANUARY 1979

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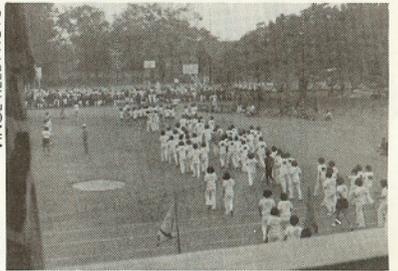
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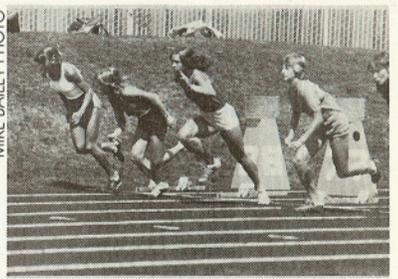
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## REEL OFF

I presume everyone connected with track and field has their own personal topics which they would like to change in the sport or which they would like to eliminate. But not everyone has the opportunity to tell the world of their topics as I do with this column, and so here are a few of my pet peeves and suggestions:

**STARTERS:** These poor individuals come in for more whippings than any other official in the sport. Basically they all do a good job and with so many of them listed as my friends, I hesitate to reveal my feelings. But I have hesitated long enough, so here goes. First of all, let's eliminate this seemingly endless talk before the start of each race. I feel it is proper to inform the runners which event is to be started, but to sound off for eons to tell the runners how many laps they must run to finish the mile, how many strides to be ahead before cutting in, how many false starts they can have and on and on and on — this seems completely unnecessary, especially when you have eight or more near naked bodies waiting for a race to start. Many times it's cold out there! Stating all those rules is ridiculous. A football official doesn't step into the huddle and tell the players if they are off side they will lose five yards, if they hold they lose more, if they clip they lose more. Players are expected to know the rules and certainly the track athletes are not stupid. They know the rules. If they don't, disqualify them. So for a start, let's eliminate the oratory by the starters.

**STARTERS:** Again! Why is it most starters hold the distance runners in the set position for a longer time than they hold the sprinters and hurdlers? Can we not get starters with enough gumption to hold the sprinters and hurdlers in the USA? Time after time we have pointed out in these pages how the starters at the Olympics, at the Commonwealth Games, at the European meets hold the short distance runners. This is the **ONLY** way to guarantee an even start. The objective of a race is to determine who can cover the distance in the shortest time, not who can guess when the starter

will fire his gun. The biggest fear most sprinters/hurdlers have is that the starter will let someone get moving ahead of time — if this fear is groundless, then the runner can get into the blocks, assume the position desired, move into the "set" position and be ready to move when the gun fires, confident that no one has gotten a flyer. Poor Linda Haglund came to the US and entered the 60m dash at the Muhammad Ali Indoor Meet. Ranked third in the world for 1978 at 100m by Jan Popper, (and holder of the top mark at 60m), Linda should have been a factor in the race. But the gun fired while she was not yet "set" and she finished in third place, some two yards behind the winner. Please, gentlemen, **HOLD** to sprinters and hurdlers until **EVERYONE** is motionless.

We have other pet peeves. Announcers who watch a high jumper knock the bar off the standards and then say, "That was a near miss for Miss Garfunkle." Actually, it was not a near miss, it was a near make, but I am afraid this is one mis-statement that will never be corrected.

Another blurb for announcers — have you ever been to a meet and heard the announcer request "all the ath-A-letes entered in the pentath-A-lon report to the start?" Actually, of course, they are athletes and are competing in the pentathlon.

After the trials heats are run, those who gather for the final race or field event are entered in the **FINAL**, not the **FINALS**. This was one of Dick Bank's favorite targets.

Lastly, Women's Track World has a **WTW SPECIAL AWARD**. This award will go to the first meet director who manages to finish a women's meet without having some boys or father/sons throw a football in the infield or kick a soccer ball or throw a frisbee. I can honestly report that I have rarely — if ever — seen a meet in which this phenomenon has not occurred. Even at last year's AIAW Championships we saw an unbelievable occurrence — while the meet was stopped because of a rain storm (cloudburst to Californians), several native males

from Tennessee were seen playing catch with women's javelins in the infield!

Finally, though not a complaint, the scheduling of championship meets. For those living on the east coast and in the midwest, the championships outdoors seem to come too early as they do not get into their season until April. For those on the west coast, the scheduling of the indoor championships is at the wrong time — too early. The AAU's, for example, come the last week in February and the suggested AIAW championships set for 1980 the third weekend in March — we on the west coast will have had five or six outdoor meets by then. And so it balances out, I guess. With the size of our country it will never be possible to satisfy all factions, so we will simply have to do our best under the circumstances. Maybe this is our "near miss".

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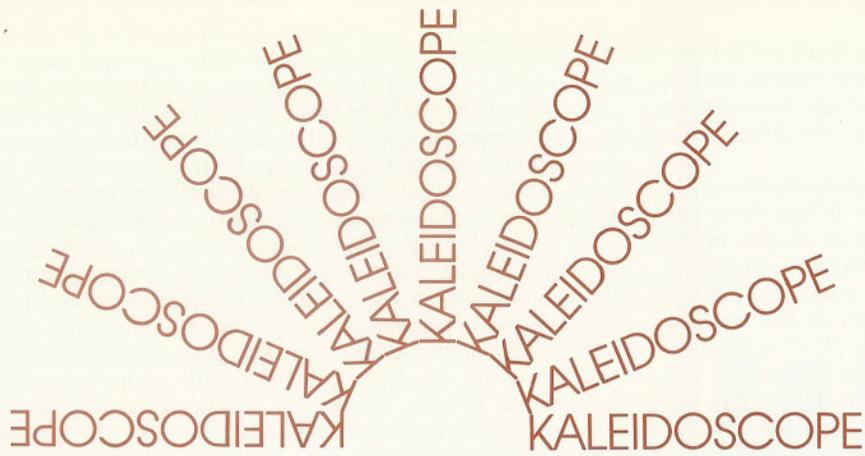
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When the Hershey Company staged its youth track and field championships last year in West Virginia, the printed program contained letters from the governors of 48 States. Which two governors did not contribute letters? California, which stages the National AAU Championships, and Indiana, which stages the National AAU Junior Championships . . . Remember sprinter Dee DeBusk? She is now assistant track coach at Capistrano Valley High School in California, and a member of her first team is daughter Terry . . . Lyle Knudson and friends have formed a new "Elite Track Club" in Utah to be called "Athletes International TC" . . . Latest rumor making the rounds is that Puerto Rico will not be ready to host the Pan Am Games in July and the site may be switched to Toronto . . . First ever combined men's and women's National AAU Cross Country Championships will be held in Raleigh, North Carolina.

Fleischmann's Margarine has signed a contract to sponsor the National AAU Indoor Track Championships for the next few years . . . 1358 athletes competed in the National AAU-Sears Junior Olympic Cross Country Championships in Shawnee Mission Kansas . . . For 1979, the Junior Olympic Games return to Lincoln, Nebraska on August 9-12 and the Cross Country will be at Hightstown, New Jersey on December 8 . . . The AIAW will begin official indoor championships in 1980 at the University of Missouri. Idaho State will host the 1981

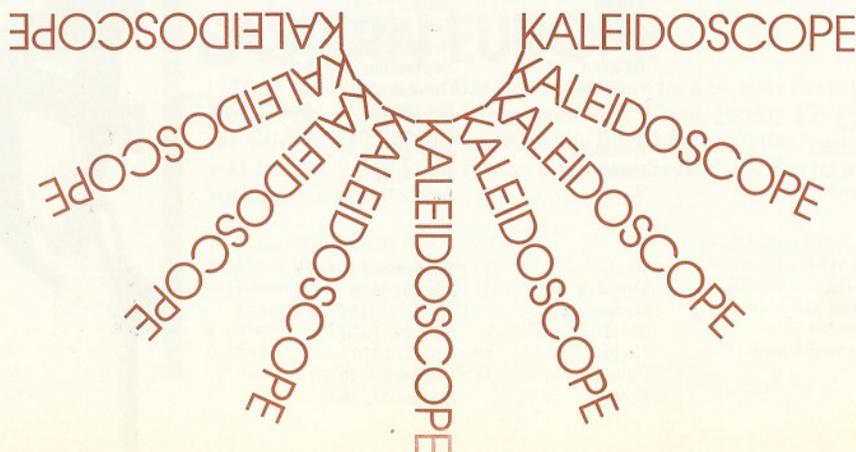


(JEFF JOHNSON PHOTO)

Worst Looking Uniform Contest  
Entry #1 — Liberty A.C.

meet and University of Northern Iowa in 1982 . . . The 1979 AIAW Cross Country Championships will be held at Florida State University . . . How to qualify for the Pan Am team — first or second at National AAU meet. Since the Pan Am Games are set for the same dates as the scheduled USA-USSR dual meet, the third and fourth placers in the AAU will wear the stars and stripes against the hammer and sickle . . . A US team will compete in the Spartakiade in Moscow on August 21. This team will also be chosen from the AAU results as will the members of the USA team for the World Cup Meet in Montreal in August . . . The World University Games in Mexico City in early September will also be chosen from the AAU Championships and/or the AIAW Championships.

How would you like to run for the PUKKE Track Club — it's in South Africa. No club name has ever been as bad, however, as the "Laura Scudder Chipettes" which existed in the early 60's in southern California . . . Names I like Department this month include Easter Gabriel of Houston, Ann Van of the Valley of the Sun TC and Renita Dingle from Maryland . . . Of all the teams runners hate to lose to, the Liberty AC ranks at the top of the list. Why? Not because of the personality of the athletes, but because the girls say the Liberty AC has perhaps the worst looking uniforms of any top ranked club.



In two months, Marita Koch got her second, third and fourth world records, the last time in the 400m dash which, according to her own statement, will probably remain her main event.

Marita preferred the short dashes at the beginning of the season. In the 100m she ran a new personal best of 11.16s, in the 200m she got the world record on May 28 in Erfurt with 22.06s and a week later, in Karl-Marx City, she again ran 22.06s but this time was later revised to 22.07 after more exact examination of the photo. At the "Olympic Day" in Berlin, Marita ran her first 400 of the year, but nothing spectacular came from it. She acquired a strain in her knee joint and had to take a break from training and competition for a few weeks. But when she returned to the sport, her series of successes continued — three times Marita bettered the world record for 400 meters!

Let's look back at the development of the world record for the women's 400:

When Marlene Mathews was entered as the first woman on the world record list, many women had already run far better times, but her 57.0 in Sydney was the first official record for the event set in 1957.

On September 13, 1914, Bertil Hjulhammer of Sweden ran the first registered 400 in Stockholm in 72.5 seconds. Kinue Hitomi of Japan managed 59.0s on May 5, 1928 in Miyoshino. Ursula Jurewitz was very successful on June 25, 1953 with 55.7s. (Inge Utecht, trainer for Monika Zehrt and Christina Brehmer, was second in 59.3s). She won the Student Games in Budapest on August 6, 1954, as Ursula Donath, in 55.0 flat. She reached her best time of 54.4 in Warsaw on August 6, 1955, again at the Student Games.

Marija Itkina is found four times on the official world record list. In her world

record runs on 7-6-57 and on 9-12-59, she beat the home competition with a huge lead. We find Irena Szewinska (Poland) three times on our list. She was also far superior to her competition in her world record runs. This also happened with Marita Koch, but to a very special degree. On May 9, 1976, she was second behind world record running Christina Bremer. In her three world records this season, however, Christina was always second to Marita. In these three races against Christina, Marita won by a greater distance each time. Her masterpiece was in the final at Prague in the European Championships. Marita Koch is in a very special class!

The always modest Marita Koch and her trainer Wolfgang Meier have a big goal: Moscow 1980! In the coming 1979 season the foundation for this meet must be laid. We wish them both much success.

## FIRST UNDER 49 SECONDS

BY ERNST ELERT, FROM DERLEICH  
TRANSLATED BY KAREN BLIZEL

# MARITA KOCH

### Evolution of world 400m record from IAAF files:

57.0	Marlene Mathews, Australia	Sydney	January 6, 1957
57.0	Marise Chamberlain, New Zealand	Christchurch	February 16, 1957
56.3	Nancy Boyle, Australia	Sydney	February 24, 1957
55.2	Polina Lasaryova, USSR	Moscow	May 10, 1957
54.0	Marija Itkina, USSR	Minsk	June 8, 1957
53.6	Marija Itkina, USSR	Moscow	July 6, 1957
53.4	Marija Itkina, USSR	Krasnodar	September 12, 1959
53.4	Marija Itkina, USSR	Belgrad	September 14, 1962
51.9	Shin Kim Dan, Korea	Pyonjung	October 23, 1962
51.7	Nicole Duclos, France	Athens	September 18, 1969
51.7	Colette Besson, France	Athens	September 18, 1969
51.0	Marilyn Neufville, Jamaica	Edinburgh	July 23, 1970
51.0	Monika Zehrt, DDR	Paris	July 4, 1972
49.9	Irena Szewinska, Poland	Warsaw	June 23, 1974

### Electronic Timing:

50.14	Riitta Salin, Finland	Rome	September 4, 1974
49.77	Christina Brehmer, DDR	Dresden	May 9, 1976
49.75	Irena Szewinska, Poland	Bydgoszcz	June 22, 1976
49.29	Irena Szewinska, Poland	Montreal	July 29, 1976
49.19	Marita Koch, DDR	Leipzig	July 2, 1978
49.03	Marita Koch, DDR	Potsdam	August 19, 1978
48.94	Marita Koch, DDR	Prague	August 31, 1978



According to the 30 Women's Track World correspondents from 18 nations who selected the Athletes of the Year, there were only three outstanding performers during 1978: Marita Koch, Sara Simeoni and Vilma Bardauskiene. It was fairly close voting with Koch winning the title by virtue of her first place votes (18) over Simeoni (8) and 106 points to 90, (scoring 5-3-1 for first, second and third place votes. With Bardauskiene grabbing off 62 points, the fourth placer, Poland's Grazyna Rabsztyn picked up only 4 points and last year's winner, Rosemarie Ackerman, scored only 3. Koch's achievements are well known and she closed the year holding world records in the 200 and 400, subject to the approval of the IAAF. Koch has predicted it will take "under 49 seconds" to win the Moscow Olympics and the correspondents have predicted she will be the one to do it. First place votes are listed in parenthesis for each athlete. The high jumpers dominated the winning spots again this year with three area winners competing in that event. Two pentathletes, sprinter Koch and an aging middle distance runner were the area bests in 1978.

1—Marita Koch, DDR (18) .....	106	6—Marlies Gohr, DDR .....	1
2—Sara Simeoni, ITA (8) .....	90	Evelin Jahl, DDR .....	1
3—Vilma Bardauskiene, USSR (4) .....	62	Tatyana Selenzova, USSR .....	1
4—Grazyna Rabsztyn, POL .....	4	Greta Waitz, NOR .....	1
5—Rosemarie Ackerman, DDR .....	3		

# WORLD ATHLETE



PETER PROBST PHOTO

MARITA KOCH

# OF THE YEAR

## EASTERN EUROPE

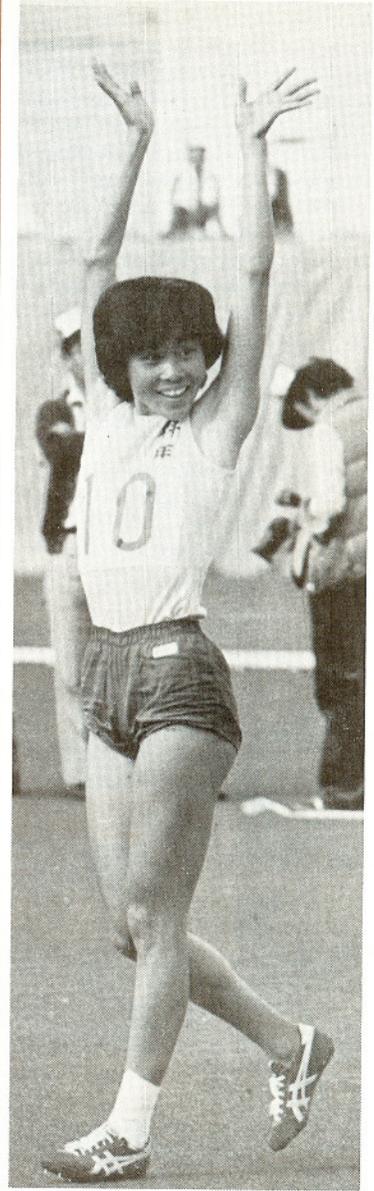
Here again Koch and Bardauskiene were far and away the top two performers of Eastern Europe according to our correspondents. Koch, getting 20 of the 30 first place votes, won the title with 122 points to 98 for the Soviet long jumper — and again, the rest of the field was far, far behind. An interesting note: Szewinska, Fuchs and Anisimova all ended up with nary a vote!

1—Marita Koch, DDR (20) .....	122	8—Johanna Klier, DDR .....	3
2—Vilma Bardauskiene, USSR (8) .....	98	Tatyana Selenzova, USSR .....	3
3—Rosemarie Ackerman, DDR (1) .....	8	Margitta Droese, DDR .....	3
Grazyna Rabsztyn, POL (1) .....	8	11—Natalia Marasescu, RUM .....	2
5—Marlies Gohr, DDR .....	6	12—Giana Romanova, USSR .....	1
6—Evelin Jahl, DDR .....	5	Helena Fibingerova, CZ .....	1
Nadyezhda Tkachenko, USSR .....	5		

For the first time since this publication began selecting Athletes of the Year in 1969, someone besides Chi Cheng or Esther Roth has won the title for Asia. Japan's Tamami Yagi hopped over 1.90/6'2½, not too bad for a 5'4½ girl! Fourteen athletes received votes for this area indicating a rising interest in our sport in this part of the world.

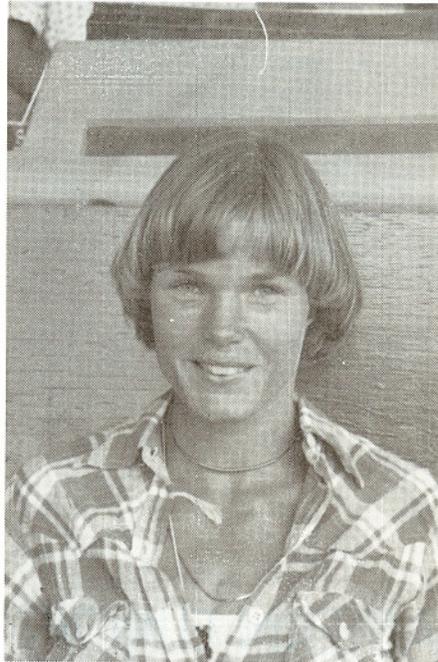
1—Tamami Yagi, JAP (15).....	95	8—Keiko Nagasawa, JAP .....	4
2—Esther Roth, ISA (9) .....	72	9—Yao, Jui-Ying, PROC.....	3
3—Sumi Awara, JAP (2).....	22	Zheng, Da-Zhen, PROC .....	3
4—Emiko Yoaki, JAP (1) .....	8	11—Chen, Hsiao-Li, PROC .....	1
5—Lai, Li-Chiao, ROC (1) .....	7	Hsen, Lee-Chuan, PROC .....	1
6—Wang Tan, PROC.....	6	Geeta Zuchi, IND.....	1
Yang, Yen-Ying, PROC (1).....	6	Li, Hsiao-Hui, PROC.....	1

# ASIA



TAMAMI YAGI

DIANE JONES KONHOWSKI



VINCE REEL PHOTO

# NORTH AMERICA

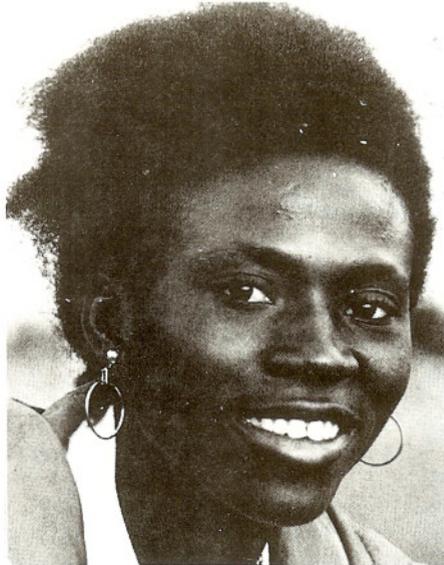
One of the rare occasions when a US citizen has not won the title for North America — but Diane Jones Konihowski is a rare athlete. Best pentathlon performer in the world for 1978, Diane had a battle with the USA's Jodi Anderson for top honors, but her first place votes (14) won the day for her.

1—Diane Jones Konihowski, CAN (14).....	84	8—Maren Seidler, USA.....	6
2—Jodi Anderson, USA (6) .....	53	9—Jan Merrill, USA.....	4
3—Jane Frederick, USA (2) .....	36	10—Debbie Esser, USA .....	3
4—Brenda Morehead, USA (3).....	22	Francie Larrieu, USA .....	3
5—Kate Schmidt, USA (1).....	8	12—Debbie Brill, CAN .....	2
6—Kathy Mills, USA (1).....	8	13—Evelyn Ashford, USA .....	1
Sherry Calvert, USA .....	8		

Dependable Modupe Oshikoya, winner of this area title in the past, came through again in 1978 to be the most outstanding athlete from the African area. Oshikoya won several important titles in the USA as a UCLA student including the AIAW long jump title and the AAU pentathlon championship. Although she was not permitted to compete in the Commonwealth Games, her other victories against tough opponents overcame this minus. Hannah Afriye, the African sprint champion, was runner-up.

1—Modupe Oshikoya, NIG (12) .....	79	6—Ufon Uko, NIG (1) .....	5
2—Hannah Afriye, GHA (7) .....	59	L. Verster, SAfr (1) .....	5
3—Tecla Chemabwai, KEN (5) .....	44	8—Sakina Boutamine, ALG .....	4
4—H. DeKock, SAfr. ....	10	9—Bell Gam, NIG. ....	3
Claudie Van Onselen, SAfr .....	10	10—Maryna von Niekirk, SAfr. ....	1

## MODUPE OSHIKOYA



M. SHEARMAN PHOTO

# AFRICA

## KATRINA GIBBS



TONY DUFFY PHOTO

# OCEANIA

When Australia's Katrina Gibbs sailed over 1.93/6'4 to win the Commonwealth Games, she hopped right into first place for the Oceania area athletes. Katrina gathered more first place votes than any of the other top candidates and that won it for her. We are in constant confusion as to how to deal with athletes from this area of the world. They are definitely not African nations or Asian nations and yet with only Australia and New Zealand to draw from, this title is actually an empty and meaningless one. Any suggestions from our readers concerning this area of Oceania would be most welcome for we certainly do not want to ignore their fine athletes, but we are in a quandary.

1—Katrina Gibbs, AUS (13) .....	81	7—Denise Robertson, AUS .....	7
2—Lynette Jacenko, AUS (5) .....	47	8—Verna Burnard, AUS (1) .....	5
3—Raelene Boyle, AUS (5) .....	37	9—Angela Cook, AUS .....	3
4—Denise Boyd, AUS (2) .....	28	10—Bev Francis, AUS .....	1
5—Gael Mulhall, AUS (2) .....	21	Fisher, AUS .....	1
6—Judy Peckham, AUS .....	8		



AURELA PENTON

CARIBBEAN CENTRAL & SOUTH AMERICA

It isn't every day that a 35-year old athlete is selected as the most outstanding performer, but that is the case with Cuba's Aurelia Penton who has seemingly been competing since the dark ages. 1978, however, was her best-ever year as she won the Caribbean Games with a smashing double at 50.56 and 2:01.38s. Penton was the top Cuban performer, but was hard pressed for area honors by Jamaica's Leleith Hodges, Cuban Silvia Chivas and Barbados' (now the USA's) Lorna Forde.

1—Aurelia Penton, CUBA (8) .....	73	6—Carmen Romero, CUBA (1).....	12
2—Leleith Hodges, JAM (9) .....	59	7—June Griffith, GUY.....	11
3—Silvia Chivas, CUBA (5) .....	38	8—Maria Colon, CUBA.....	6
4—Lorna Forde, BAR (3) .....	34	9—Ruth Simpson, JAM.....	1
5—Themis Zambryszcki, BRA (3) .....	17		

WESTERN EUROPE

Simeoni, Simeoni, Simeoni! That was the cry of voters for the best 1978 performer in Western Europe. Rarely does an athlete receive EVERY first place vote, but the high flying Sara did it as she grabbed off all 30 first place votes. Norway's Grete Waitz was a distant runner-up and the remainder were far to the rear.

1—Sara Simeoni, ITA (30).....	150	Annegret Richter, GFR.....	4
2—Grete Waitz, NOR .....	63	9—Lorna Boothe, GB .....	3
3—Loa Olafsson, DEN .....	13	10—Silvia Hollmann, GFR .....	2
4—Theresa Sanderson, GB .....	8	Ulrike Meyfarth, GFR.....	2
5—Brigitte Holzapfel, GFR .....	7	Eva Wilms, GFR.....	2
6—Linda Haglund, SWE .....	6	13—Gabrielle Dorio, ITA .....	1
7—Sonia Lannaman, GB.....	4	Silvia Kempin, GFR.....	1

VOTERS

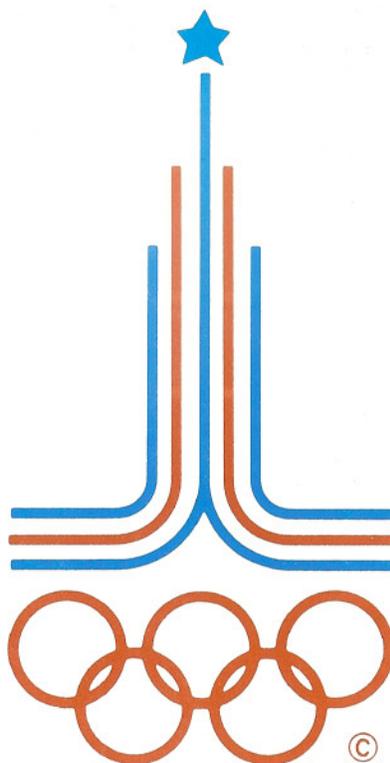
The following correspondents for Women's Track World sent in their votes for the Athletes of the Year, a total of 30 voters from 18 nations: Garry Hill (USA), Calvin Brown (USA), Tom Jennings (USA), Steve Wennerstrom (USA), Donna Fromme (USA), Fernando Rodil-Vivas (Puerto Rico), Bill Cockerham (USA), Luigi Mengoni (Italy), Sy Yinchow (Philippines), Jo Koumans (Holland), Max Heilrath (GFR), Roberto Quercetani (Italy), Stan Eales (USA), Alfred Janecky (Czechoslovakia), Turhan Goker (Turkey), Yves Pinaud (France), Leo Lang (Yugoslavia), Gabriel Szabo (Hungary), Chris Pickard (Canada), Rich Ede (USA), Barry Anderson (USA), Erik Aarset (Norway), Zoltan Subert (Hungary), Atsushi Hoshino (Japan), Jose Corominas (Spain), Mel Watman (England), Ilya Lokshin (USSR), Abraham Green (Israel), Vince Reel (USA) and Casey Ide (USA).

SIMEONI



# MOSCOW REPORTS PROGRESS

# IN OLYMPIC PREPARATIONS



Preparations are now in full swing for the 22nd Modern Olympic Games, the 16-day sports spectacular to be held in the Soviet capital of Moscow beginning July 19, 1980.

I.T. Novikov, chairman of the Moscow Olympic Organizing Committee, has explained the progress made toward insuring the success of the Moscow Games.

Excerpts from his message follow:

"I wish to express my heartfelt best wishes to all of you for the new year 1979. I pray that you will be blessed with health, happiness and peace.

"The 22nd Olympic Games will be held for the first time in the 86-year history of the Summer Games in a socialist nation, in my homeland's capital of Moscow. I believe that Moscow's honorable privilege to hold the Games signifies that the Soviet Union's great achievements in the struggle for world peace, and her contributions to the development of the international Olympic movement and sports activities, have been recognized.

"The concept of the modern Olympics, that of humanism, friendship and peace, is one in which the Soviet people feel particularly intimate. Preparations for the Games have become a national enterprise.

"The Moscow Olympic Organizing Committee is responsible for the necessary steps taken to insure that the Games are carried out on a high organizational and technical level in line with the Olympic charter.

"Already major work has been done in

building and improving facilities for the games. We have large-scale sports, hotel, travel and technical facilities, many with interesting architectural design and unique appearance.

"The Olympic facilities are distinctive in that all are in accord with national economic development planning, after the Games close they will be effectively used for improving labor conditions, the lives and recreational outlets of the Soviet people.

"Work is progressing on adding improvements to the Lenin Memorial Central Stadium in Moscow which will be used for the opening and closing ceremonies, track events and the soccer final. The largest indoor stadium and pool in Europe is now being built in the Peace Avenue area. Second-period construction work will soon be completed on a unique stadium area for bicycle racing and boating.

"Work on the athletes' village in the Michurin Avenue area is now advancing at a fast pitch. More than 12,500 athletes from some 130 countries will live here during the games. The athletes will be housed two to an apartment in the two and three-room complexes in the 18 16-story high apartment buildings.

"The athletic village will include a cultural center with theaters and concert halls, a general activity center, restaurants, cafes, bars, shops, chapels and all other necessary facilities.

"International Olympic Committee (IOC) President Lord Killanin, in a visit to the athletic village in 1978, said that our village would be the most outstanding in Olympic history. After the games people of Moscow will live in this pleasant housing complex.

"Also under construction is a new television and radio broadcasting center which will relay the Olympic Games around the world on 18 TV circuits and 100 radio channels.

"In addition to existing facilities within Moscow, major enterprises are now underway to create new hotels, shops, and public food distributing operations to service the many dignitaries, journalists and tourists who will visit Moscow for the games. We are sure that all construction and improvement operations will be completed within the scheduled construction period.

"The outline of Olympic events has already been drawn up, with 203 events in 21 competitive areas scheduled to be held in Moscow and Tallin between July 19 and Aug. 3, 1980. We promise all of you that the 1980 Olympic program will be one of great interest.

"We who are responsible for preparations for the Moscow Olympics are doing our best to make the games a true international sports festival in which athletes from every continent will demonstrate their skills and their will to win. We are aiming to give new stimulation to the game's noble ideals of friendship and peace."

(Ed. note: The problem in writing this story is to supply the reader with enough background material to enable the reader to appreciate the amazing facts contained in the story itself. Briefly, let it be known that a year ago there was no road running, cross country or distance running in all of Taiwan serious enough to excite anyone. A National Championship was staged in cross country each year, but the number of entries never exceeded 50. Care had to be taken to watch the competitors as they cut corners whenever possible. No one in the country did such a thing as jog. There were no road races. No Track Clubs or running clubs. As Secretary-General of the nation's Track and Field Association, Chi Cheng, using her knowledge of the people themselves combined with that which she acquired living and competing in the United States for 15 years, has changed all that in an amazingly short period of time. On a visit to the US a year ago, she flew to meet Wesley Paul in Cleveland. Wesley, a Chinese, ran a sub three hour marathon at age nine. Chi flew Wesley and his father to Taiwan where Wesley became an instant hero. "Wesley Paul Jogging Clubs" were formed all over the Island and suddenly distance running and jogging became the "in" thing. How this thing has grown is told in the story below.)

\* \* \*

It wasn't exactly the kind of Christmas Americans have come to expect. I had flown to Taiwan to spend Christmas season with wife and daughter, but aside from the presents which were exchanged, Christmas itself turned out to be quite different from any I had ever experienced in the past.

The ROCTFA sponsors an "official" cross country/road race somewhere on the Island every other Sunday. The regularly scheduled run came on December 24 at a small town about an hour's drive from Taipei, a beautiful site in the village of Ba-Lee. I knew the interest in the sport had grown over the past year, but I was not prepared for what I saw as we approached the starting point in the center of town. With more than an hour before race time, more than a thousand runners were inundating the town. Both sexes, all ages. They were all there readying themselves for the run.

As I wandered around, I remembered how sometimes we here in the States complain about conditions—in southern California we are constantly picking on Cal State Northridge because they have only two "one-seater" rest rooms in front of which is a constant line, seemingly endless. These two one-seaters would be a blessing in the Orient, for here there were no rest rooms. Much greenery, bamboo and trees provided the hiding places for those requiring the meeting of nature's call.

This being an "official" bi-weekly race, the contestants were divided into different age groups for each sex. Four finish chutes were provided, each bearing a different identifying color and each timed by a Chronomix, said Company in the States providing the timers at less than cost to the Taiwanese.

These official races are sponsored by Adidas Company and the top ten finishers in each classification receive medals, miniature Adidas shoes, a nylon Adidas bag, a towel and a hand shake from the Secretary-General herself. More than 1200 runners took off together over the 13.5 kilometer course, a beautiful run through the green, green hills of this tropical island.

So popular has cross country and distance running become in Taiwan that a TV station is filming a story series about a female runner, and the TV cameras were on hand to film some action in Ba-Lee. And one of the clubs entering today's race was the "Hash-House Harriers," composed of British, American and other "foreigners."

After the competition and the ceremonies, the runners waited patiently to board busses back to their homes. Some had come

Continued on pg. 16



# TAIWAN'S

RUNNERS GETTING READY FOR THE 32X50 RELAY

# S RUNNING BOOM

by VINCE REEL

VINCE REEL PHOTO

## TAIWAN'S RUNNING BOOM . . . CONT.

from the southern tip of the Island and had hours and hours of bus riding to get back to their homes. We were the guests of the meet director for dinner at his home, high in the mountains.

After one of those lengthy Chinese dinners, Chi Cheng and I were taken to the airport where we boarded a nine o'clock flight to Kaohshung, the southernmost city on the Island, arriving about ten at night on Christmas Eve. The purpose of this trip was to witness the weekly "Jog" in Kaohshung the next morning.

We were up at five o'clock and driven to Clear Lake where the 6.5 kilometer run was scheduled to begin at 7:30 AM. When we arrived at the starting point around 6:30, there were more than 1500 runners warming up. At a quarter to seven, someone got on a loudspeaker and gathered the masses into the courtyard and believe it or not, the entire group went through mass calisthenics. The crowd had grown to nearly two thousand by seven o'clock and someone called out the Chinese equivalent of "Let's Go" — and off they went! No official start, but two thousand runners took off a half hour before the scheduled moment. By 7:10 another four or five hundred had shown up and they took off at 7:15. You know what happened — by 7:30 there were another five hundred runners who had arrived on time for the race but found they had been left — so they took off at the appointed hour of 7:30.

And so on Christmas morning, between 2500 and 3000 runners were hotfooting it around Clear Lake. Nothing official about this run, the Kaohshung crowd does it once a week! And everyone who finishes receives a free breakfast plus a gift from some local company — this week it was a small towel.

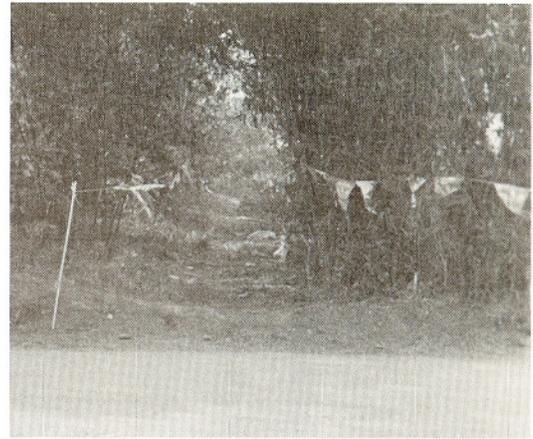
After all the festivities were finished, we went to breakfast at the Grand Hotel at Clear Lake and while we ate Chi managed to secure a donation of \$NT400,000 (about \$10,000) from our breakfast partner, the funds to be used to help bring the group of high school athletes to southern California in March and April of this year.

But the amazing trip was not yet finished. After breakfast, we were driven to the town of Doe-Liu, about two hours on the new freeway from Kaohshung. Here we attended a Field Day at the Doe-Liu Home Economic and Commercial School. The magical appeal Chi Cheng has over the people of her country is constantly exhibited wherever she goes, and here in Doe-Liu's school it was magnified. After the screaming and clapping and yelling and autograph signing, the competition began and several things impressed me as I watched.

Almost every student in the school took part, running on the school's 200 meter track — composition of the surface was about 80% dirt and 20% sand. One race which the AAU here might want to adopt into its program was the 32x50m relay. I have seen some wild 8x110 relays in my time, but this 32x50 had to be the wildest of all. Twelve teams took part, and 90% of the runners were dressed alike. How they found the correct receiver for the baton at each exchange, (which came about every seven seconds), was another example of Chinese ingenuity!

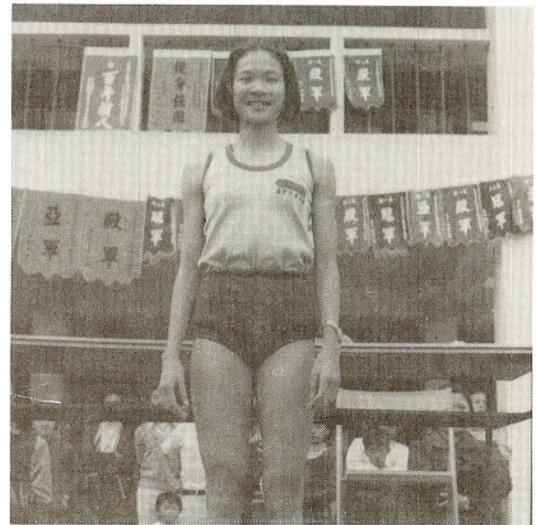
I also saw something else that impressed me. A 15-year old runner who has the potential to become one of the great ones. Liang Yue-Chiu has just turned 15. She is 5'4 (about 3'6 of it legs), and 104 pounds. All Liang did today was win the 100, 200, 400, anchor two winning relay teams and then run the first 800 of her life over this mushy 200 meter track, winning in 2:23.5s. Liang has already been selected for a cultural exchange with a high school in California. Watch for that name over the next few years! Liang Yue-Chiu.

Well, that was my Christmas, 1978. I've seen many Christmas days, but never one like 1978. Didn't see a Santa Claus, but there was Liang who someday may bring gifts of pleasure to Taiwan.

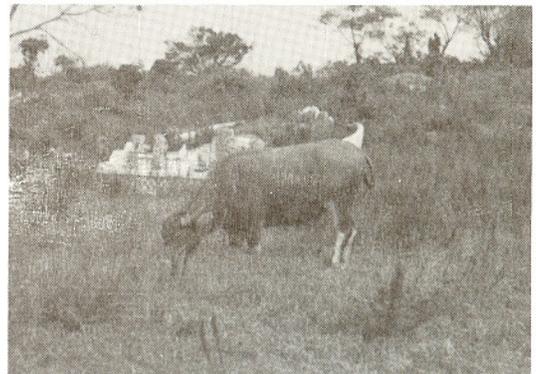


VINCE REEL PHOTOS

How's this for a finish "chute"? Taiwanese runners end their cross country runs by shooting into the bamboo shoots.



Taiwan's future star is 15-year-old Liang Yue-Chiu, coming soon to study



The Chinese encounter different obstacles than runners in other parts of the world; for example, this water buffalo munching grass on the course, plus graves (in background) which may be found anywhere in the countryside.

# SUNKIST INVITATIONAL

Los Angeles, California, January 20: — Al Franken staged his annual Sunkist extravaganza at the Sports Arena and watched as the female athletes came through in all events with satisfactory but not outstanding performances. Probably the best mark of the evening was turned in by Kathy McMillan who hopped 21'3 to win the long jump over ageless Martha Watson (19'6¼).

Best event on the track was the mile which saw former world-record holder Debbie Heald in the lead all the way for a win in 4:34.33, bettering Larrieu's meet and arena record of 4:37.2. Heald did not have things her own way, however, as Germany's tiny Ellen (Tittel) Wessinghage would not give up and stayed with Heald all the way, clocking 4:35.72 for her runner-up honors.

Rosalyn Bryant scored an exciting win over young Arlise Emerson in the 440 in a good 54.5 to 54.8, and Wendy Knudson had things her own way in the 880 as she won in 2:11.5 over Susan Vigil.

Julie Brown got the meet off on the right foot when she won the opening event, the 3000 meters, in a good 9:23.5. Marty Cooksey ran tough most of the way and was a good second, ten seconds back.

Evelyn Ashford whipped a weak field in the 60 in 6.84 and Debby LaPlante, who has been competing for ages but is now a freshman at San Diego State, did the same thing in the 60y hurdles in 7.81.

**RESULTS:** 60y, 1-Evelyn Ashford (Maccabi TC) 6.84, 2-Latanya Dawkins (LB Comets) 6.99, 3-Dollie Fleetwood (SC Cheetahs) 7.00, 4-Alice Brown (LATC) 7.08, 5-Kelia Bolton (U Cal) 7.15, 6-Gwen Loud (LAM) 7.58; 440, 1-Rosalyn Bryant (Ali TC) 54.5, 2-Arlise Emerson (Patriots USA) 54.8, 3-Sherrie Howard (LAM) 57.2, 4-Valerie Brisco (LATC) 57.2, 5-Yolanda Rich (SCC) 57.7,

6-Marie Nickson (MacTC) 61.1; 800, 1-Wendy Knudson (AthInt) 2:11.5, 2-Susan Vigil (UnNM) 2:12.2, 3-Marcia Romesser (Fresno Pacific TC) 2:12.3, 4-Donna Fromme (U Redlands) 2:15.6, 5-Ann Regan (San Jose Cindergals) 2:15.7, 6-Cynthia Warner (UCLA) 2:16.4. (Splits 32.4, 65.6, 1:40.4), **One Mile**, 1-Debbie Heald (Golden Bear TC) 4:34.33 (68.6-2:16.7-3:25.9), 2-Ellen Wessinghage (West Germany) 4:35.72, 3-Maggie Keyes (CP/SLO) 4:44.9, 4-Cheri Williams (Oregon) 4:46.7, 5-Judy Graham (Aggie RC) 4:48.2, 6-Stacy Crystal (ColGold) 4:56.6, 7-Alice Trumbley (U Cal) 5:02.3, 8-Kathy Chisam (UCLA) 5:03.5, 9-Michelle Hopper (Premier TC) 5:04.9, 10-Nancy Pascal (LATC) 5:10.3; **3000m**, 1-Julie Brown (CS/Nor) 9:23.5, 2-Marty Cooksey (Un) 9:33.1, 3-Linda Heinmiller (Santa Monica TC) 9:41.2, 4-Suzie Meek (U Cal) 9:42.8, 5-Phyllis Olrich (SJC) 9:50.6, 6-Sue Monday (CP/SLO) 9:55.8, 7-Carol Cook (LATC) 9:56.1, 8-Roxanne Bier (SJC) 9:57.3, 9-Miki Gorman (San Fernando TC) 9:57.6, Kathy Mintie (Un) 9:57.9, 10-Tanya Fisher (SCRR) 10:20.4, (Splits — 70-2:36.6-3:51.6-5:07.0-6:22.0-7:36.8-8:51.8); **60yH**, 1-Deby LaPlante (SDS) 7.81, 2-Mitzie McMillan (Club International) 8.07, 3-Lisa Gouridine (UCLA) 8.22, 4-Patsy Walker (UCLA) 8.56; **4x1 lap relay**, 1-LB Comets 1:15.63, 2-SC Cheetahs 1:15.66, 3-LATC 1:15.81, 4-LAM "B" 1:16.6, 5-LAM "A" 1:16.8; **LJ**, 1-Kathy McMillan (TSU) 21'3, 2-Martha Watson (CI) 19'6¼, 3-Sherron Walker (CI) 18'3½, Modupe Oshikoya (MacTC) three fouls; exhibition Patsy Walker (UCLA) 18'8; **HS 880**, race 1, 1-Rhonda Patcha (Valencia HS) 2:20.4, 2-Kelley Rigner (HB Edison) 2:22.2, 3-Debbie Lee (Castro Valley HS) 2:22.6; Race 2, 1-Linda Goen (Bakersfield North) 2:20.4, 2-Staci Kneeshaw (Foothill) 2:22.2, 3-Cathy Dommelmeier (San Jose Linbrook) 2:22.6; **HS Mile**, 1-Linda Goen (Bakersfield North) 4:56.9, 2-Vicki Cook (Canoga Park) 4:59.6, 3-Michelle Bush (Rolling Hills) 4:59.8, 4-Vjeryl Flowers (Valhalla) 5:01.5, 5-Cindy Schmanst (Santa Barbara) 5:03.7, 6-Sharon Hulse (HB Edison) 5:09.3, 7-Kelly Wells (Quartz Hill) 5:25.0, 8-Andrea Kirkorn (HB Edison) 5:31.8; Race 2, 1-Diana Deegan (Alemany) 5:05.4, 2-Rense Ortiz (Tulare Western) 5:08.0, 3-Sherri Torrana (Woodland Hills) 5:08.9, 4-Su-Mei Lee (Eisenhower) 5:08.9; Race 3, 1-Margaret Spotts (Redondo) 5:15.8; **Age Group 4x1 lap relay**, 1-Pasadena Rosebuds 1:19.0, 2-West Vernon Jets 1:20.9, 3-LB Comets 1:21.2, 4-SC Cheetahs 1:21.6, 5-Central City Flyers 1:25.9.



Kathy McMillan, TSU, Sunkist Long Jump winner.



Julie Brown wins 3000m at Sunkist.



**WOMEN'S TRACK**  
**WORLD**

# **WOMEN'S TRACK WORLD**

PRESENTS THE

# **1978 INDOOR/OUTDOOR AND ALL TIME TRACK & FIELD LISTS**

**PULL OUT AND  
SAVE FOR  
FUTURE REFERENCE**





ANNEGRET RICHTER (GFR)

# ALL TIME WORLD

# 100 METERS

10.88	Marlies Oelsner-Gohr, DDR	1977	10.9	Chi Cheng, ROC	1970
11.01	Annegret Richter, WG	1976	11.0	Wyomia Tyus, USA	1968
11.03	Monika Hamann, DDR	1977		Ellen Strophal, DDR	1972
11.04	Inge Helten, WG	1976		Eva Gleskova, Cze	1973
11.05	Silvia Chivas, Cuba	1977		Doris Selmigkeit, DDR	1973
11.07	Wyomia Tyus, USA	1968		Petra Kandarr, DDR	1973
	Renate Stecher, DDR	1972		Mona-Lisa Pursiainen, Fin	1973
11.08	Brenda Morehead, USA	1976		Denise Roberson, Aus	1973
11.11	Barbara Ferrell, USA	1968	11.1	Eva Klobukowska, Pol	1965
11.13	Irena Szewinska, Pol	1974		Irena Szewinska, Pol	1965
	Chandra Cheeseborough, USA	1976		Barbara Ferrell, USA	1967
11.14	Lelieth Hodges, Jam	1978		Margaret Johnson, USA	1968
11.15	Chantal Rega, France	1976		Ludmila Samotesova, USSR	1968
11.16	Andrea Lynch, Eng	1976		Raelene Boyle, Aus	1968
	Evelyn Ashford, USA	1978		Inge Helton, GFR	1971
	Marita Koch, DDR	1978		Aice Anum, Gha	1971
11.18	Linda Haglund, Swe	1978		Sylviano Tellies, Fra	1971
11.21	Lyudmila Storoshkova, SU	1977		Wilma van den Berg, Hol	1972
11.22	Sonia Lannaman, GB	1977		Barbel Struppert, DDR	1972
11.23	Lyudmila Maslakova, SU	1978		Silvia Chivas, Cuba	1972
				Christine Heinich, DDR	1973
				Monika Meyer, DDR	1973
				Doris Maltezki, DDR	1973
<b>Hand Timed</b>					
10.8	Renate Stecher, DDR	1973			



MARLIES GOHR (DDR)



CHANTAL REGA (FRA)





# 1978 WORLD

48.94	Marita Koch, DDR	51.31	Sharon Dabney, USA
50.15	Christine Brehmer, DDR	51.34	Donna Hartley, GB
50.40	Irena Szewinska, Pol	51.36	Barbara Krug, DDR
50.56	Aurelia Penton, Cuba	51.40	June Griffith, Guy
50.83	Maria Kulchunova, USSR	51.41	Nadyezhda Mushta, USSR
50.85	Ellen Streidt, DDR	51.45	Christine Marquardt, DDR
50.93	Rosalyn Bryant, USA	51.59	Brigitte Kohn, DDR
51.04	Lorna Forde, Bar	51.62	Anita Weiss, DDR
51.09	Jarmila Kratochilova, Cze	51.70	Verona Elder, GB
51.11	Patricia Jackson, USA	51.74	Gaby Bussmann, GFR
51.13	Tatyana Prorochenko, USSR	51.78	Krystina Kacperczyk, Pol
51.27	Beatrice Castillo, Cuba	51.82	Totka Petrova, Bul
51.29	Pirjo Haggman, Fin		

# 400 METERS



IRENA SZEWINSKA (POL)

# 1978 USA

50.93	Rosalyn Bryant (CSLA)	54.32	Sandra Farmer (Flashettes)
51.04	Lorna Forde (Atoms)	54.34	Gloria Alphonso (DayTC)
51.11	Patricia Jackson (PV)	54.47	Frieda Nichols (DC Int)
51.31	Sharon Dabney (Clip)	54.49	Avis Moiley (AzSU)
51.50	June Griffith (Adelphi)*		Connie Simpson ( )
52.33	Essie Kelly (PV)	54.55	Sheila Polk (Mi-Hi)
52.41	Jennie Gorham (KCNS)	54.59	Debra White (BE Bay)
52.56	Helen Blake (TSU)	54.75	Paula Clagon (MorgSt)
52.73	Easter Gabriel (Houston)		Sharon Acker (Mi-Hi)
	Kim Thomas (NY PAL)	54.91	Debbie Roberson (UCLA)
53.12	Freida Cobbs (BE Bay)		<b>Hand timed</b>
53.43	Arlise Emerson (PUSA)	54.0	Sharon Acker (Mi-Hi)
	Brenda Finch (ColFly)	54.2	Charmane Kuhlman (U Ks)
53.43	Yolanda Rich (CSLA)	54.7	Danis Gerdes (NbTC)
	Ruth Simpson (TWU)		Kim Taylor (Flashettes)
53.47	Gwen Gardner (LAM)	54.8	Debbie Byfield (Un)
53.54	Robbin Coleman (TxHS)		Adrienne Lair (CSLA)
53.56	Marian Franklin (M.Lions)		Pam Rogers (NMiamiTC)
53.68	Mary Harvey (SF Austin)	54.9	Evelyn Ashford (UCLA)
53.70	Valerie Brisco (LAM)		Colette Winlock (CSHay)
53.94	Veronica Williams (TxS)	55.0	Carol Cummings (Atoms)
54.06	Kim Taylor (Flashettes)	55.1	Marquita Belk (CaHS)
54.07	Kathy Weston (CSN)		Pam Riggs (Club NW)
54.09	Liz Hatz (DC Int)		Julie Seaton (U Nb)
54.20	Pam Jiles (NO Sup)	55.4	Gina Hendy (UCLA)
54.24	Jocelyn Bentley (Topeka)		



# 1978 WORLD

1:55.8	Tatyana Provodokhina, USSR Nadezhda Mushta, USSR	1:59.4	Romi Schmidt, DDR Eleonara Tarita, Rum
1:56.2	Anita Weiss, DDR	1:59.5	Krystyna Kacperczyk, Pol Heike Roock, DDR
1:56.6	Totka Petrova, Bul Zoya Rigel, USSR		Ileana Silai, Rum Vesela Yatzinska, Bul
1:57.5	Hildegard Ullrich, DDR Lyudmila Veselkova, USSR	2:00.1	Josefina Cerchianova, Cze Nina Kovelyina, USSR
1:57.9	Svetlana Strykina, USSR	2:00.4	Gabriela Dorio, Ita
1:58.1	Ulrike Bruns, DDR	2:00.6	Jolanda Januchta, Pol Brigitte Kraus, GFR
1:58.7	Raisa Byelusova, USSR		Natalia Maracescu, Rum Yekatina Proivkna, Bul
1:58.8	Fita Lovin, RUM		Giana Romanova, USSR
1:59.2	Bettina Buse, DDR		
1:59.3	Lyubov Ivanova, USSR Martina Kampfert, DDR		

# 800 METERS

# 1978 USA

2:01.00	Essie Kelly (PV)	2:07.37	Linda Portasik (VaHS)
2:01.8	Mary Decker (U Col)	2:07.6	Arlise Emerson (PUSA)
2:01.99	Ruth Caldwell (CitClg)	2:07.65	Kathy Vetter (MetStr)
2:03.0	Kathy Weston (LATC) Lee Ballinger (U Col)	2:07.9	Cindy Ashby (U NM) Debbie Pearson (UTEP)*
2:03.7	Francie Larriue (PCC)	2:08.0	Teresa Jenkins (LBCom)
2:04.3	Jan Merrill (CtClg)	2:08.1	Jill Haworth (MdHS)
2:04.57	Marcia Romesser (LAM)	2:08.22	Delisa Walton (MCTC)
2:04.66	Susan Vigil (U NM) Kathy Hall (U Chi)	2:08.30	Sue Latter (MiSU)
2:04.69	Karel Jones (Atoms)	2:08.7	Sandy Beach (Alb)
2:05.0	Tecla Chemabwai (MacUn)* Deanna Coleman (Fal) Debbie Heald (SFVal)	2:08.8	Ellen Brewster (U Wi) Michelle Bush (CaHS)
2:05.25	Darlene Beckford (LibAC)	2:08.9	Kathy Costello (CSN)
2:05.28	Ann Regan (SJC)	2:08.97	Rochelle Collins (MCTC)
2:05.29	Joetta Clark (KKey)	2:09.1	Donna Fromme (U Redlands)
2:05.3	Teri Wierson (OreHS)	2:09.2	Roma Antoniewszic (LATC) Pam Happy (BYU)
2:05.60	Debbie Vetter (IaSU)	2:09.6	Penny Falls (Penn)
2:05.67	Robin Blaine (Atoms)	2:09.7	Dianne Vetter (IaSU) Diane Figlionini (SJC)
2:05.7	Cyndy Poor (AIA)	2:10.0	Regina Jacobs (LATC)
2:06.68	Debbie Roberson (UCLA)	2:10.02	Kathy Chisam (UCLA)
2:06.68	Lorna Forde (Atoms)	2:10.7	Doreen Ennis (Montclair)
2:07.2	Linda Goen (CaHS)	2:10.79	Joan Geibel (U Md)
2:07.25	Tania Wells (M-STF)	2:10.9	Chris Mullen (Georgetown) Yolanda Rich (Un)
2:07.3	Helen Blake (TSU)* Siri Bjelland (U Ok)*		

# 1978 WORLD RANKING

1—Tatyana Provodokhina, USSR	9—Svyetlana Strykina, USSR
2—Nadyezhda Mushta, USSR	10—Rafira Lovin, Rum
3—Zoya Rigel, USSR	11—Martina Kampfer, DDR
4—Totka Petrova, Bul	12—Bettina Buse, DDR
5—Anita Weiss, DDR	13—Heike Roock, DDR
6—Hildegard Ullrich, DDR	14—Elenora Tarita, Rum
7—Ulrike Bruns, DDR	15—Raisa Byelusova, USSR
8—Lyudmila Veselkova, USSR	



# 1978 WORLD

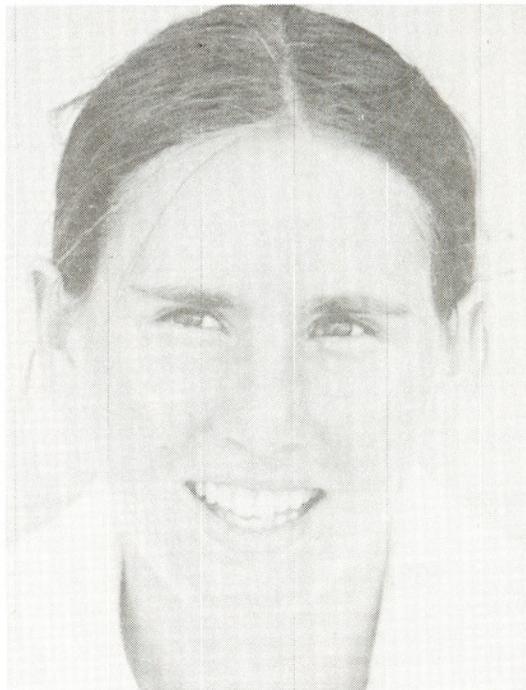
3:59.0 Giana Romonova, USSR  
 3:59.8 Natalia Maracescu, Rum  
 4:00.2 Totka Petrova, Bul  
 Valentina Ilyinich, USSR  
 4:00.6 Grete Waitz, Nor  
 4:01.3 Gabrielle Dorio, Ita  
 4:01.5 Brigitte Krause, GFR  
 4:02.0 Ulrike Bruns, DDR  
 4:02.1 Lyudmila Kalnitskaya, USSR  
 4:02.8 Olga Dvirna, USSR  
 4:03.1 Gabriele Lehmann, DDR  
 4:03.5 Ileana Silai, Rum  
 Natalia Kuznyetsova, USSR  
 Svetlana Guskova, USSR

4:03.9 Zoya Rigel, USSR  
 4:04.1 Nadyezhda Mushta, USSR  
 4:04.5 Zamira Zaitseva, USSR  
 4:04.6 Cornelia Burki, Swe  
 4:04.7 Lyudmila Veselkova, USSR  
 Vessela Yatzinska, Bul  
 4:04.8 Lyubov Ivanova, USSR  
 4:05.1 Marica Puice, Rum  
 4:05.4 Jan Merrill, USA  
 Svetlana Ulmaskova, USSR  
 4:05.8 Raisa Sadretdinova, USSR

# 1500 METERS



boutamine (ALG)



JAN MERRILL (USA)

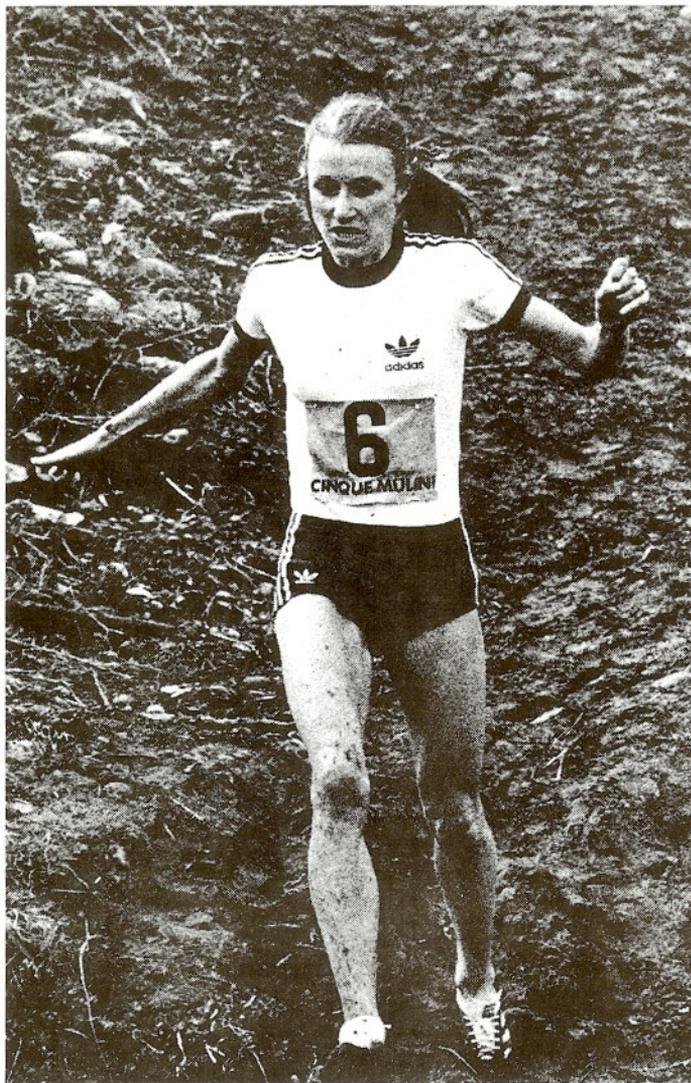
# 1978 USA

4:05.4 Jan Merrill (AGAA)  
 4:08.9 Mary Decker (U Co)  
 4:10.88 Debbie Heald (SFVTC)  
 4:11.11 Cindy Bremser (WiTC)  
 4:13.51 Debbie Pearson (UTEP)\*  
 4:14.5 Francie Larrieu (PCC)  
 4:16.00 Brenda Webb (U Tn)  
 4:16.07 Debbie Vetter (IaSU)  
 4:18.0 Ruth Caldwell (CitJC)  
 4:18.39 Kate Keyes (MacUnion)  
 4:20.0 Doreen Ennis (NJ AA)  
 4:20.79 Diane Vetter (IaSU)  
 4:20.8 Cathie Twomey (U Mn)  
 4:20.9 Charyl Williams (SJC)  
 4:21.1 Margaret Groos (U Va)  
 4:21.97 Tamia Wells (M-S TF)  
 4:22.0 Julie Shea (NCSU)  
 4:22.4 Charlotte Lettis (LibAC)  
 4:22.5 Ellison Goodall (Duke)  
 4:22.66 Stacy Crystal (TCG)  
 4:23.5 Suzie Houston (U Wi)  
 4:23.7 Kathy Mills (Penn)  
 4:24.0 Kathy Jackson (Quest)  
 4:24.17 Kathi Denz (PUSA)  
 4:24.5 Brigid Leddy (Vil)\*  
 Patty Murmane (LibAC)

4:24.7 Kris Bankes (Penn)  
 Joan Benoit (NCSU)  
 Julie Brown (CSN)  
 4:24.76 Renee Urish (KaSU)  
 4:25.5 Kathy Byrnes (Penn)  
 4:25.7 Siri Bjelland (U Ok)\*  
 4:26.2 Deanna Coleman (Falc)  
 Sue Kinsey (CSN)  
 4:26.5 Katy Schilly (IaSU)  
 4:27.2 Tara Arnold (CCTC)  
 4:27.3 Kathy Weston (LATC)  
 4:27.4 Maggie Keyes (CP/SLO)  
 4:27.6 Katrin Sugar (U Ok)\*  
 4:27.66 Karen MacHarg (BryTC)  
 4:28.0 Jani Rouda (CP/SLO)  
 Kathy Woodbridge (U Co)  
 4:28.3 Regina Felix (Atoms)  
 4:28.4 Cindy Worcester (KaSU)  
 4:29.0 Cindy Dixon (U Nb)  
 Valerie Ford (NCSU)  
 4:29.2 Kim Dunlap (U Md)  
 4:29.36 Roxanne Bier (SJC)  
 4:29.54 Jane Ensrud (Un)  
 4:29.56 Marisa Schmidt (Ambler)  
 4:29.58 Pam Bowers (SJC)  
 4:29.6 Karel Jones (Atoms)

# ALL TIME WORLD

3:56.0	Tatyana Kazankina, USSR	1976	4:02.61	Jan Merrill, USA	1976
3:59.0	Giana Romanova, USSR	1978	4:07.9	Paola Cacchi, Ita	1972
3:59.8	Raisa Katyukova, USSR	1976	4:03.1	Gabriele Lehmann, DDR	1978
	Natalia Maracescu, Rum	1978		Ileana Silai, Rum	1978
3:59.9	Ulrike Bruns, DDR	1976	4:03.3	Olga Dvirna, USSR	1976
4:00.2	Totka Petrova, Bul	1978	4:04.10	Karin Krebs, DDR	1972
	Valentina Ilyinich, USSR	1978	4:04.60	Cornelia Burke, Swi	1978
4:00.6	Greta Waitz, Nor	1978	4:04.70	Vesela Jazinska, Bul	1978
4:01.3	Gabrielle Dorio, Ita	1978	4:04.80	Sheila Carey, GB	1972
4:01.4	Lyudmila Bragina, USSR	1972	4:05.1	Maricica Puica, Rum	1977
	Gunhild Hoffmeister, DDR	1976	4:05.10	Ilja Keiser, Hol	1972
4:01.5	Brigitte Kraus, GFR	1978	4:05.3	Liebtrau, DDR	1977
4:08.1	Ludmila Kalnitskaya, USSR	1978	4:06.20	Francie Larrieu, USA	1976
4:02.3	Nikolina Shtereva, Bul	1976	4:06.34	Mary Stewart, GB	1978



GRETA WAITZ (NOR)

# 1500 METERS

## 1978 WORLD RANKING

- |                           |                               |
|---------------------------|-------------------------------|
| 1—Giana Romanova, USSR    | 9—Olga Dvirna, USSR           |
| 2—Natalia Maracescu, Rum  | 10—Grete Waitz, Nor           |
| 3—Totka Petrova, Bul      | 11—Brigitte Kraus, GFR        |
| 4—Ileana Silai, Rum       | 12—Lyudmila Kalnitskaya, USSR |
| 5—Valentina Ilyinkh, USSR | 13—Svyetiana Guskova, USSR    |
| 6—Ulrike Bruns, DDR       | 14—Gabriela Dorio, Ita        |
| 7—Zamira Zaitseva, USSR   | 15—Cornelia Burk, Swi         |
| 8—Zoya Rigel, USSR        |                               |

# 1978 WORLD

8:32.1	Gerta Waitz, Nor	8:46.1	Cornelia Burki, Swi	8:58.4	Mary Purcell, Eire
8:33.2	Svetlana Ulmasova, USSR	8:47.6	Svyetiana Guskova, USSR	9:00.4	Nikolina Shtereva, Bul
8:33.5	Natalia Maracescu, Rum	8:48.3	Raisa Smehnova, USSR	9:00.9	Carmen Valero, Spa
8:40.9	Maricica Pulca, Rum	8:48.7	Paula Fudge, GB	9:01.8	Ingrid Christensen, Nor
8:42.3	Loa Olafsson, Den	8:52.3	Chris Benning, GB		Gheorghia Gazibara, Rum
8:42.6	Jan Merrill, USA	8:52.5	Raisa Sadretdinova, USSR	9:02.9	Birgit Friedman, GFR
8:43.0	Giana Romanova, USSR	8:52.6	Gabriele Lehmann, DDR	9:03.3	Kathy Mills, USA
8:45.6	Raisa Byelusova, USSR	8:53.1	Ann Ford, GB	9:03.4	Bernadette van Roy, Bel
	Valentina Ilyinich, USSR				



GIANA ROMANOVA (USSR)

# 3000 METERS

## 1978 USA

3:42.6	Jan Merrill (AGAA)	9:38.7	Julia Campbell (U Tx)	9:53.5	Lynn Lashley (U Tn)
9:03.31	Kathy Mills (Penn)	9:40.1	Cathie Twomey (U Mn)	9:54.07	Karen Bridges (OkSU)
9:04.8	Cindy Bremser (WiTC)	9:43.0	Jan Oehm (LibAC)	9:54.08	Ann Henderson (BRTC)
9:12.31	Sue Kinsey (LATC)	9:43.1	Erin Forbes (PortTC)	9:54.73	Lil Warner (MiSU)
9:16.13	Brenda Webb (KnoxTC)		Katy Schilly (IaSU)	9:55.5	Anita Scandurra (SeaPac)
9:19.0	Kris Bankes (Penn)	9:44.1	Marjan Mouljin (U Wa)	9:55.6	Miriam Boyd (BryTC)
9:10.3	Ellison Goodall (Duke)	9:46.0	Linda Broderick (UCLA)	9:55.7	Mary Ann Morse (Un) 13y
9:27.0	Sue Schaeffer (EKySU)	9:46.7	Mary Seybold (IaSU)	9:55.8	Vicki Cook (SCRR)
9:29.3	Julie Shea (NCSU)	9:46.8	Lynn Morin (U Wi)	9:55.9	Bridget Seip (IaSU)
	Jennifer White (Wash RC)		Katy Mountain (U Ore)	9:56.4	Christy Garcia (U Tx)
9:30.87	Betty Jo Springs (IHHS)		Heather Tolford (U Ore)	9:56.41	Ellen Schmidt (U Ore)
9:31.2	Debbie Quatier (SeaPac)	9:48.0	Su Mei Lee (SCRR)	9:56.5	Susie Meek (CaHS)
9:31.59	Aileen O'Connor (CYO)	9:48.21	Lisa Berry (MiSU)	9:56.9	Alicia Moss (Atoms)
9:31.8	Valerie Ford (NCSU)	9:48.3	Debbie Richie (U Ore)	9:57.0	Susan North (SprClg)
9:32.4	Kate Keyes (UCLA)	9:49.0	Jill Warren (MiSU)	9:57.1	Lauri Sawyer (Un)
9:35.1	Ann Wotherspoon (SJC)	9:49.4	Kathy Mintie (PC Pac)	9:57.44	Linda Heinmiller (UCLA)
9:35.4	Dia Elliman (LibAC)	9:51.16	Renee Urish (KsSU)	9:58.0	Debbie Vetter (IaSU)
9:37.7	Karen MacHarg (BryTC)	9:52.1	Doreen Ennis (MtSU)	9:58.2	Ann Trason (MontPn)
9:38.24	Carrie Jo Craven (Scioto TC)	9:52.8	Kathy Adams (U Wa)	9:58.6	Mary Rowe (Penn)
9:38.4	Julie Brown (CSN)	9:52.9	Marybeth Spencer (U Wi)	9:59.97	Molly Morton (U Ore)

# ALL TIME WORLD

8:27.1	Lyudmila Bragina, USSR	1976	8:46.1	Cornelia Burki, Swi	1978
8:32.1	Greta Waitz, Nor	1978	8:47.6	Svyetiana Guskova, USSR	1978
8:33.2	Svetlana Ulmasova, USSR	1978	8:48.3	Raisa Smehnova, USSR	1978
8:33.5	Natalia Maracescu, Rum	1978	8:48.7	Paula Fudge, GB	1978
8:40.9	Maricica Pulca, Rum	1978	8:49.2	Ulrike Bruns, DDR	1977
8:41.8	Raisa Katzukova, USSR	1976	8:51.0	Inger Knutsson, Swe	1975
8:42.3	Loa Olafsson, Den	1978	8:52.3	Chris Benning, GB	1978
8:42.6	Jan Merrill, USA	1978	8:52.5	Raisa Sadretdinova, USSR	1978
8:43.0	Giana Romanova, USSR	1978	8:52.6	Gabriele Lehmann, DDR	1978
8:45.6	Raisa Byelusova, USSR	1978			
	Valentina Ilyinich, USSR	1978			



MIKE STREET PHOTO

PAULA FUDGE (GB)

# 3000 METERS

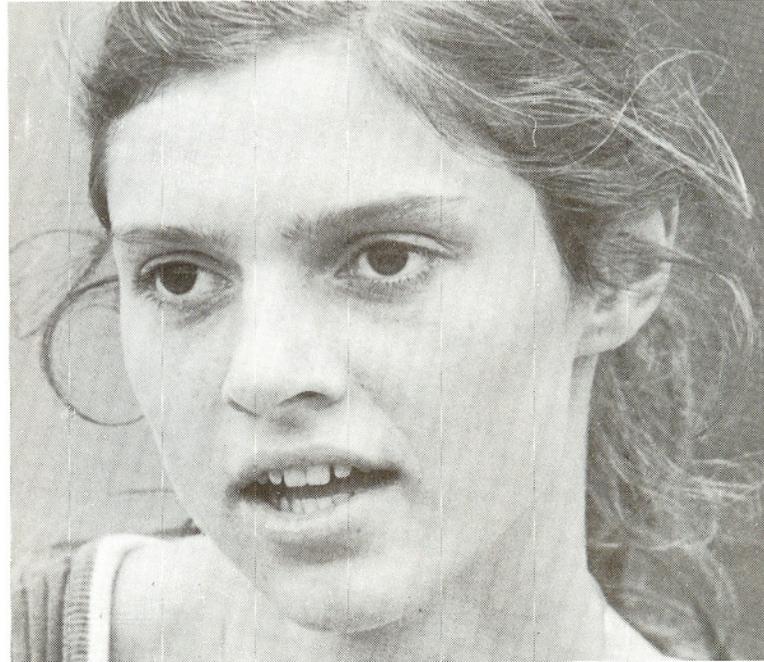
## 1978 WORLD RANKING

- |                            |                             |
|----------------------------|-----------------------------|
| 1—Svyetlana Ulmasova, USSR | 9—Loa Olafsson, Den         |
| 2—Natalia Maracescu, Rum   | 10—Svyetlana Guskova, USSR  |
| 3—Grete Waitz, Nor         | 11—Valentina Ilyinkh, USSR  |
| 4—Maricica Puica, Rum      | 12—Paula Fudge, GB          |
| 5—Giana Romanova, USSR     | 13—Raisa Sadretdinova, USSR |
| 6—Raisa Byelusova, USSR    | 14—Ann Ford, GB             |
| 7—Jan Merrill, USA         | 15—Gabriele Lehmann, DDR    |
| 8—Cornelia Burk, Swi       |                             |

# 100 METER HURDLES

## 1978 WORLD

12.48	Grazyna Rabsztyń, Pol	13.02	Annerose Fiedler, DDR
12.62	Johanna Klier, DDR	13.13	Deby LaPlante, USA
12.67	Tatyana Anisimova, USSR	13.14	Sofia Bieńczyk, Pol
12.73	Guđrun Berend, DDR		Pat Van Wolvelaere, USA
12.74	Danuta Perka, Pol	13.17	Sharon Colyear, GB
12.83	Nina Morgulina, USSR	13.18	Silvia Kempin, GFR
12.89	Lubyna Langer, Pol	13.19	Regina Beyer, DDR
12.98	Natalya Lebedyeva, USSR		Maria Dumitrescu, Rum
	Elzbieta Rabsztyń, Pol	13.20	Bożina Swierczyńska, Pol
13.08	Lorna Boothe, GB	13.23	Esther Rot, ISR



SYLVIA KEMPIN (GFR)

PETER PROBST PHOTO

## 1978 USA

13.13	Deby LaPlante (DC Int)	14.03	Lavonne Neal (US Army)
13.14	Patty Van Wolvelaere (USC)	14.06	Linda Cornelius (Tx&M)
13.25	Jane Frederick (LATC)	14.08	Jackie Washington (Skylark)
13.29	Modupe Oshikoya (UCLA)*	14.09	Kris Costello (SJC)
13.3	Rhonda Brady (AzSU)	14.12	Mary Grinaker (U Wis)
	Brenda Calhoun (AzSU)		Deanne Johnson (O-D-W)
13.50	Stephanie Hightower (OhSU)		Tammy Etienne (U Tx)
	Mary Smith (TxS)	14.13	Dot Howard (U Wi)
13.53	Lena Gibbs (TWU)	14.16	Lisa Gourđine (UCLA)
13.58	Kay Garnett (Un)	14.16	Brenda Wilson (CoSU)
13.64	Gayle Harris (M-D AC)	14.2	Sherry Ballew (Un)
13.69	Mitzi McMillin (LakInt)		Linda Brown (BYU)
13.74	Jodi Anderson (CSN)		Piper Bressard (Rich)
13.75	Karen Wechsler (Indy Ch)		Debbie Esser (IaSU)
13.7	Lorraine Tummings (Atoms)		Lori Lowry (U Ks)
13.8	Cecelia Branch (UNLV)*	14.28	Julie Smithers (NJAA)
	Stella Edwenson (SanM)	14.31	Kim Costello (MLions)
	Michelle Hawthorne (BE Bay)	14.3	Patty Knighton (Penn)
13.86	Linda Weekly (TxS)		Celeste Johnson (IaSU)
	Themis Zambryczki (BYU)*		Cheryl Poirier (U Md)
13.88	Candy Young (Un)		Roslyn Ray (CSHay)
13.90	Nancy Arnold (TxTC)		Kim Willis (MCTC)
	Brenda Chambers (U Col)	14.40	Lori Denello (WSUBTC)
	Pat Shmock (CSSD)		
13.91	Karen Holmes (Tx)		<b>30" Hurdles</b>
13.92	Debbie Deutsch (NJAA)	13.65	Kim Turner (Detroit)
	Dolores Lee Render (UNLV)	13.70	Kay Garnett (Seattle)
13.96	Kim Natchett (MiSU)	13.96	Kim Willis (MCTC)
14.00	Benita Fitzgerald (VaHS)	14.2	Roxanne Keating (SunDSF)
14.01	Denise Greene (MiSU)		Carol Lewis (Wil TC)
		4.3	Marlene Harmon (LATC)

# ALL TIME WORLD

12.48	Grazyna Rabsztyn, Pol	1978	13.08	Lorna Boothe, GB	1978
12.59	Annelie Ehrhardt, DDR	1972		Shirley Strong, GB	1978
12.62	Johanna Klier, DDR	1978	13.13	Deby LaPlante, USA	1978
12.67	Tatyana Anisimova, USSR	1978	13.14	Patty Van Wolvelaere, USA	1978
12.73	Gudrun Berend, DDR	1978	13.17	Sharon Colyear, GB	1978
12.74	Danuta Perka, Pol	1978		<b>Hand-Timed</b>	
12.80	Natalia Lebedyeva, USSR	1976	12.3	Annelie Ehrhardt, DDR	1973
12.83	Nina Morgulina, USSR	1978	12.5	Pam Ryan, Aus	1972
12.84	Valeria Stefanescu, Rum	1972	12.6	Karin Balzer, DDR	1971
12.87	Lyubov Nikityenko, USSR	1977		Valerie Bufanu, Rum	1972
12.89	Annerose Fiedler, DDR	1974	12.7	Danuta Strassynaka, Pol	1972
	Lubyna Langer, Pol	1978	12.8	Chi Cheng, ROC	1970
12.90	Karin Balzer, DDR	1972		Barbel Podeswa, DDR	1972
12.98	Elzbieta Rabsztyn, Pol	1978		Teresa Nowak, Pol	1973



GRAZYNA RABSZTYN (POL)

PETER PROBST PHOTO

# 100 METER HURDLES

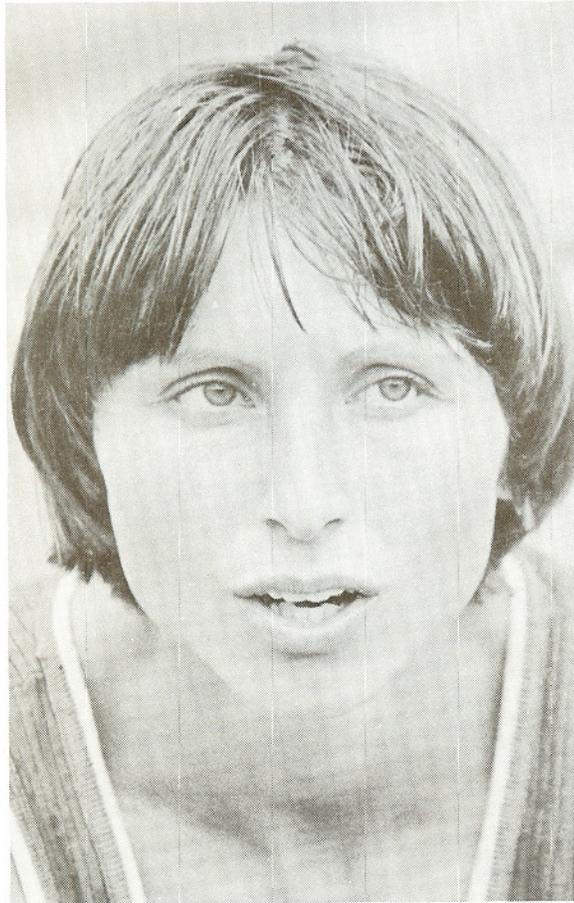
## 1978 WORLD RANKINGS

- |                           |                             |
|---------------------------|-----------------------------|
| 1—Johanna Klier, DDR      | 9—Natalia Lebedyeva, USSR   |
| 2—Grazyna Rabsztyn, Pol   | 10—Elzbieta Rabsztyn, Pol   |
| 3—Tatyana Anisimova, USSR | 11—Lorna Boothe, GB         |
| 4—Gudrun Berend, DDR      | 12—Bozena Swierczynska, Pol |
| 5—Nina Morgulina, USSR    | 13—Sylvia Kempin, GFR       |
| 6—Danuta Perka, Pol       | 14—Deby LaPlante, USA       |
| 7—Lucyna Langer, Pol      | 15—Sharon Colyear, GB       |
| 8—Annerose Fiedler, DDR   |                             |

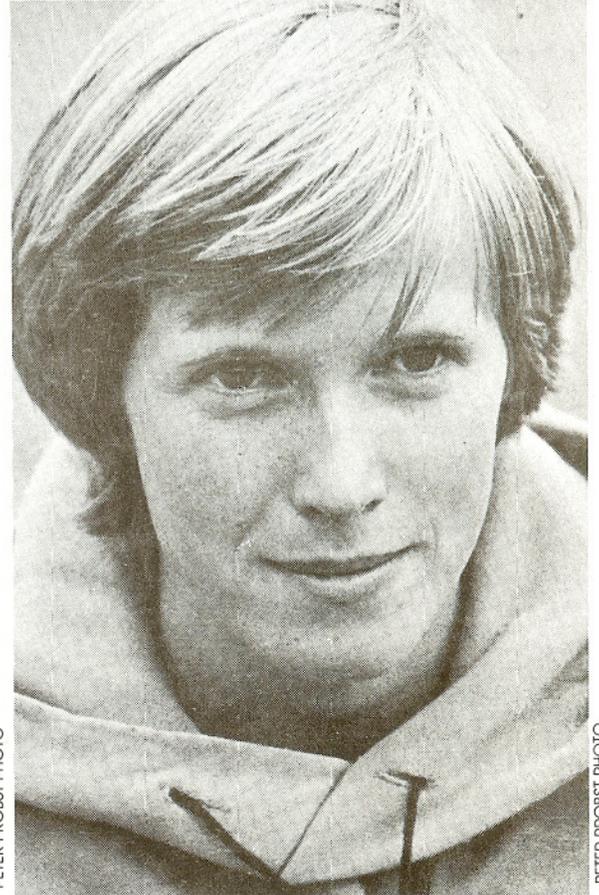
# 400 METER HURDLES

## 1978 WORLD

54.89	Tatyana Zelenzova, USSR	56.97	Tatyana Zubova, USSR
55.14	Silvia Hollmann, GFR	57.09	Anna Kastetskaya, USSR
55.36	Karin Rossley, DDR	57.12	Lilyana Ivanova, Bul
55.44	Krystina Kacperczyk, Pol	57.14	Chris Warden, GB
55.46	Brigitte Kohn, DDR	57.21	Tatyana Kolyesnik, USSR
55.63	Anita Weiss, DDR	57.23	Doina Badescu, Rum
55.97	Ingrida Barkane, USSR	57.34	Margaret O'Shaughnessy, Aus
56.19	Marina Makeyeva, USSR	57.36	Mary Appleby, GB
56.47	Hildegard Ulrich, DDR	57.43	Liz Sutherland, GB
56.60	Erika Weinstein, GFR	57.44	Leonie Verster, S. Afr
56.67	Genowefa Biaszak, Pol	57.51	Lisbeth Heibling, Swi
56.68	Svilenka Filipova, Bul	57.54	Anne Michel, Bel
56.71	Lea Alaerts, Bel		



ERIKA WEINSTEIN (GFR)



KARIN ROSSLEY (DDR)

## USA LIST

57.85	Debbie Esser (IaSU)	60.44	Linda Weekley (TxS)
58.60	Ellie Mahal (IaSU)*	60.46	Edna Brown (K Key)
58.62	June Smith (DC Int)*	60.6	Sonya Henderson (Flash)
	Denise Waddy (AzSU)	60.64	Pam Lazaro (TxS)
58.70	Colette Winlock (CSHay)	61.16	Patty Cape (CSLB)
58.81	Sandra Souza (TWU)	61.19	Tammy Etienne (U Tx)
58.84	Carolyn Brinkley (U DC)	61.34	Judy Pollion (M-S TF)
	Charlotte Zepheren (SDC)	61.4	Cheryl Lewis (AzSU)
59.17	Debby Melrose (PV)	61.5	Sandy Miller (Penn)
59.36	Stephanie Vega (Atoms)*	61.6	Georgene Rose (U Ore)
59.5	Karen Haller (VGTC)	61.87	Jody Meyers (SpCC)
59.70	Vivian Scruggs (Un)	61.88	Colette Shelton (U Nb/Om)
59.84	Kerry Cerda (SCRR)	62.1	Susan White (U Md)
59.94	Sandra Farmer (Flash)	62.39	Kathleen Murphy (UCLA)
60.10	Kim Whitehead (Un)	62.45	Brenda Allwine (WaHS)
60.20	Teri Wierson (Un)	62.5	Carol Humphries (U Az)
60.24	Betty Spencer (Alca&M)	62.6	Anita Jones (W Ky)
60.34	Debbie Vetter (IaSU)		Lori Lowry (U Ks)
60.40	Denise Anderson (SeaPac)		Alberta Martin (PreTC)

# ALL TIME WORLD

54.89	Tatyana Zelnova, USSR	1978	56.61	Mary Ayers, USA	1977
55.14	Silvia Hollmann, GFR	1978	56.62	Irena Szewinska, Pol	1977
55.36	Karin Rossley, DDR	1978	56.67	Genowefa Biaszak, Pol	
55.44	Krystyna Kacperczyk, Pol	1978	56.83	Danuta Piecyk, Pol	1974
55.46	Brigitte Kohn, DDR	1978	56.84	Karola Claus, GFR	1974
55.63	Anita Weiss, DDR	1978	56.86	Debbie Esser, USA	1977
55.74	Tatyana Storosheva, USSR	1977	56.91	Kristina Katolik, Pol	1977
55.97	Ingrida Barkane, USSR	1978			
56.19	Marina Makeyeva, USSR	1978	<b>Hand-Timed</b>		
56.47	Hildegard Ulrich, DDR	1978	56.7	Danuta Piecyk, Pol	1973
56.60	Erika Weinstein, GFR	1978			



SILVIA HOLLMANN (GFR)

BONGARTS PHOTO

# 400 METER HURDLES

## 1978 WORLD RANKING

- |                            |                          |
|----------------------------|--------------------------|
| 1—Tatyana Selentsova, USSR | 9—Hildegard Ullrich, DDR |
| 2—Silvia Hollmann, GFR     | 10—Genowefa Blasrak, Pol |
| 3—Karin Rossley, DDR       | 11—Erika Weinstein, GFR  |
| 4—Brigitte Kohn, DDR       | 12—Lea Alaerts, Bel      |
| 5—Krystyna Kacperczyk, Pol | 13—Tatyana Zubova, USSR  |
| 6—Anita Weiss, DDR         | 14—Mary Appleby, Eire    |
| 7—Ingrida Barkane, USSR    | 15—Liz Sutherland, GB    |
| 8—Marina Makeyeva, USSR    |                          |

# HIGH JUMP

## 1978 WORLD

2.01/6'7 $\frac{1}{4}$  Sara Simeoni, Ita  
 1.99/6'6 $\frac{1}{4}$  Rosemarie Ackermann, DDR  
 1.95/6'4 $\frac{3}{4}$  Brigitte Holzapfel, GFR  
 Ulrike Meyfarth, GFR  
 1.93/6'4 Katrina Gibbs, Aus  
 Jutta Kirst, DDR  
 Kristine Nitzsche, DDR  
 1.91/6'3 $\frac{3}{4}$  Cornelia Popa, Rum

1.905/6'3 Louise Ritter, USA  
 1.90/6'2 $\frac{3}{4}$  Debbie Brill, Can  
 Tamami Yagi, Jap  
 1.89/6'2 $\frac{1}{2}$  Sandra Dini, Ita  
 Larisa Klementyonok, USSR  
 Andrea Matay, Hun  
 Chris Annison, Aus  
 1.88/6'2 Tatyana Denisova, USSR

Galina Filatova, USSR  
 Annette Harnack, GFR  
 Svetana Ivanshenko, USSR  
 Diane Konihowski, Can  
 Maria Mracnova, Cze  
 Anne Pira, Bel  
 Marta Rehorovska, Cze

## 1978 USA

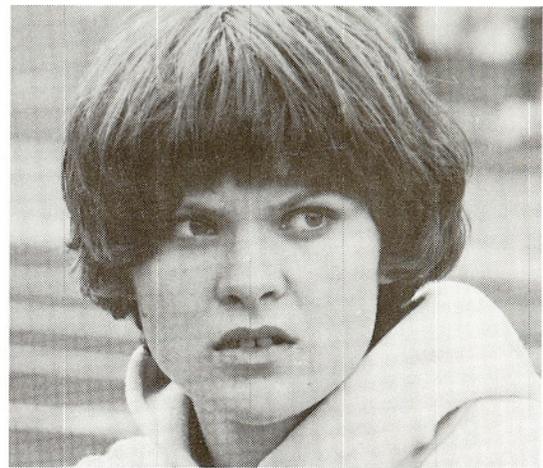
6-3 Louise Ritter (Tx WU)  
 6-2 Debbie Brill (PCClub)\*  
 6-2 Joni Huntley (CaS/LB)  
 6-1 $\frac{1}{4}$  Paula Girven (U Md)  
 6-1 $\frac{1}{4}$  Pam Spencer (SeaPac)  
 6-1 Sharon Burrill (Denv)  
 6-0 $\frac{1}{2}$  Maggie Garrison (U Wa)  
 Colleen Rienstra (un)  
 6-0 $\frac{1}{4}$  Sue McNeal (un)  
 6-0 Brig. Bittner (U Tn)\*  
 Marilyn Dubbs (KearSU)  
 Sherri Felton (ClubNW)  
 Jane Frederick (un)  
 5-11 Julie Cosgrove (Wa HS)  
 Connie Dorsey ( )  
 49' 8 $\frac{1}{2}$  Marg. Metcalf (Albu)  
 Dale Wallace (Pio AC)

Carina Westover (WaHS)  
 5-10 $\frac{1}{4}$  Kari Gosswiller (CaHS)  
 Nancy Redican (CaHS)  
 5-10 Tonya Alston (Chico)  
 Jalene Chase (U Md)  
 Roberta Harper (TxHS)  
 Yvonne Heinrich (K Key)  
 JoAnne Macleod (UTn)\*  
 Chris Remmling (UCLA)  
 Theresa Smith (SeaPac)  
 Nancy Steiner (KearSU)  
 Bev Washington (Uill)  
 5-9 $\frac{1}{2}$  Ellen Fargo (CaHS)  
 5-9 Sue Blake (Gaz Int'l)  
 Dana Collins (AzSU)  
 Tammy Collman (OhTC)  
 Monique Donithan (AzSU)

Anne Erpenbeck (CaHS)  
 Lillian Giles (NY HS)  
 Teresa Kaliezewski (OhSU)  
 Susan Lind (NbJO)  
 Sally McCarthy (Team Spo)  
 Modupe Oshikoya (UCLA)\*  
 Lisa Peters (LA Nat)  
 Lisa Plummer (un)  
 Fern Simon (CaS/LB)  
 Tammie Thomas (Met Str)  
 Carina Westover (Rich TC)  
 Themis Zambryzcki (BYU)\*  
 Sandy Schultz (IaHS)  
 5-8 $\frac{1}{2}$  Judy Becker (Emp.SU)  
 5-8 $\frac{1}{2}$  Denise Cornell (CaS/N)  
 Connie Dorsey (TH TC)  
 Nancy Steiner (Kear SU)  
 5-8 20 athletes.



BRIGITTE HOLZAPFEL (GFR)



ULRIKE MEYFARTH (GFR)

RHEIN-RUHR PHOTO

PETER PROBST PHOTO

## ALL TIME WORLD

2.01/6'7 $\frac{1}{4}$  Sara Simeoni, Ita 1978  
 2.00/6'6 $\frac{1}{4}$  Rosemarie Ackermann, DDR 1977  
 1.95/6'4 $\frac{3}{4}$  Brigitte Holzapfel, GFR 1978  
 Ulrike Meyfarth, GFR 1978  
 1.935/6'4 $\frac{1}{4}$  Jordanka Blagoyeva, Bul 1972  
 Jutta Kirst, DDR 1977

1.93/6'4 Ilona Gusenbauer, Aut 1972  
 Cornelia Popa, Rum 1976  
 Katrina Gibbs, Aus 1978  
 Kristine Nitzsche, DDR 1978  
 1.915/6'3 $\frac{1}{4}$  Rita Kirst, DDR 1974  
 Virginia Ioan, Rum 1974

Maria Mracnova, Cze 1976  
 Anne Pira, Bel 1977  
 Milada Karbanova, Cze 1977  
 1.91/6'3 $\frac{1}{4}$  Debbie Brill, Can 1977  
 1.905/6'3 Louise Ritter, USA 1978  
 1.90/6'2 $\frac{3}{4}$  Joni Huntley, USA 1975  
 Tamami Yagi, Jap 1978

## 1978 WORLD RANKING

1—Sara Simeoni, Ita  
 2—Rosemarie Ackerman, DDR  
 3—Brigitte Holzapfel, GFR  
 4—Ulrike Meyfarth, GFR  
 5—Debbie Brill, Can

6—Jutta Kirst, DDR  
 7—Katrina Gibbs, Aus  
 8—Urzula Kielan, Pol  
 9—Kristine Nitzsche, DDR  
 10—Louise Ritter, USA

11—Joni Huntley, USA  
 12—Andrea Matay, Hun  
 13—Tamami Yagi, Jap  
 14—Milada Karbanova, Cze  
 15—Annette Harnack, GFR

# 1978 WORLD

7.09/23' 3/4 Vilma Bardauskiene, USSR  
 6.90/22' 7/8 Jodi Anderson, USA  
 6.79/22' 3/4 Sigrun Siegl, DDR  
 Angela Voigt, DDR  
 6.74/22' 1/2 Jarmila Nygrynova, Cze  
 6.73/22' 1 Brigitte Wujak, DDR  
 6.72/22' 0/4 Kathy McMillan, USA

6.71/22' 0/4 Gina Panait, Rum  
 6.70/21' 11/16 Lyn Jacenko, Aus  
 6.66/21' 10/16 Anita Stukane, USSR  
 6.65/21' 9/16 Lidiya Alfeyeva, USSR  
 Heide Wycisk, DDR  
 6.64/21' 9/16 Maryne van Niekerk, S. Afr  
 6.62/21' 8/16 Jacqueline Curtet, Fra

6.59/21' 7/8 Ramona Neubert, DDR  
 Sue Reeve, GB  
 6.58/21' 7 Erika Hooker, Aus  
 Anke Weigt, GFR  
 Anna Wiodarczyk, Pol  
 6.57/21' 6/8 Maria Papp, Hun

# 1978 USA

22' 7/8 Jodi Anderson (LATC)  
 22' 0/4 Kathy McMillan (TSU)  
 21' 6/8 Modupe Oshikoya (UCLA)\*  
 21' 2/4 June Griffith (Adelphi)\*  
 21' 6/8 Jane Frederick (LATC)  
 21' 0 Sherron Walker (LakeInt)  
 20' 7 Debra Carson (AzSU)  
 20' 6/8 Cornelia Jackson (FIHS)  
 20' 6 Kim Brooks (CCY)  
 20' 5 Martha Watson (LakeInt)  
 Carol Lewis (Willing)  
 20' 4/4 Gwen Loud (LAM)  
 20' 4/8 Roxanne Keating (SunDSF)  
 Lorraine Ray (U FI)  
 20' 4/4 Sheila Pettit (PV)  
 Sandra Myers (KsJO)  
 20' 3/4 Cookie Fairlee (MaHS)

20' 3/8 Amy Davis (HousTC)  
 Joni Huntley (CSLB)  
 20' 3 Tina McCuller (HS)  
 20' 2/8 Sabrina Douglas (FIHS)  
 Shonell Ferguson (U FI)\*  
 Pat Johnson (Chi)  
 20' 1/4 Sandy Crabtree (PxBG's)  
 20' 1 Toni Rucker (PioAC)  
 20' 0/8 Debra Carson (AzSU)  
 Themes Zambryzcki (BYU)\*  
 19' 10/8 Jackie Joyner (E St L)  
 19' 10/4 Celeste Johnson (IaSU)  
 19' 10 Karen Elmore (UC)  
 19' 9/8 Judy Pollion (MemClg)  
 Ann Van (VOS)  
 19' 8 Mitzi McMillin (USC)  
 19' 7/4 Sharon Billie (FIHS)

19' 6/8 Pam Styles (JacksTC)  
 19' 6/4 Juanita Alston (Md)  
 19' 6 Debbie Gibson (MsHS)  
 Lisa Gouridine (UCLA)  
 Hazel Williams (TWU)  
 19' 5/8 Cynthia Mills (CSLB)  
 19' 5 Cathy Greaves (AzSU)  
 Mary Harrington (CoSU)  
 Marilyn King (M Lions)  
 19' 4/4 Patsy Walker (UCLA)  
 Veronica Bell (CaHS)  
 19' 3/4 Lynne Page CSSD)  
 19' 3/4 Dana Collins (AzSU)  
 Nancy Malloy (CoSU)  
 19' 3/4 Janet Bates (U Nb)  
 Michelle Dunn (TarU)  
 Bev Washington (U Ill)  
 Kim Moran (CSN)



LIDYA ALFEYEVA (USSR)



LYN JACENKO (AVS)

# LONG JUMP

# ALL TIME WORLD

7.09/23' 3/4 Vilma Bardauskiene, USSR 1978  
 6.99/22' 11/16 Sigrun Siegl, DDR 1976  
 6.92/22' 8/16 Angela Voigt, DDR 1976  
 6.90/22' 7/8 Jodi Anderson, USA 1978  
 6.84/22' 5/8 Heide Rosendahl, GFR 1970  
 6.82/22' 4/8 Viorica Viscopoleanu, Rum 1968  
 6.81/22' 4/8 Margit Herbst, DDR 1971

6.79/22' 3/4 Lidya Alfeyeva, USSR 1976  
 6.78/22' 3 Kathy McMillan, USA 1976  
 6.77/22' 2/8 Diana Yorgova, Bul 1972  
 Marianne Voelzke, DDR 1974  
 6.76/22' 2/4 Mary Rand, GB 1964  
 Ingrid Mickler, GFR 1971  
 Brigitte Kunzel, DDR 1977

Heidemarie Wycisk, DDR 1977  
 Szaba Erdelyi, Hun 1977  
 6.74/22' 1/2 Jarmila Nygrynova, Cze 1978  
 6.73/22' 1 Brigitte Wujak, DDR 1978  
 6.71/22' 0/4 Gina Panait, Rum 1978  
 6.70/21' 11/16 Lyn Jacenko, Aus 1978

# 1978 WORLD RANKING

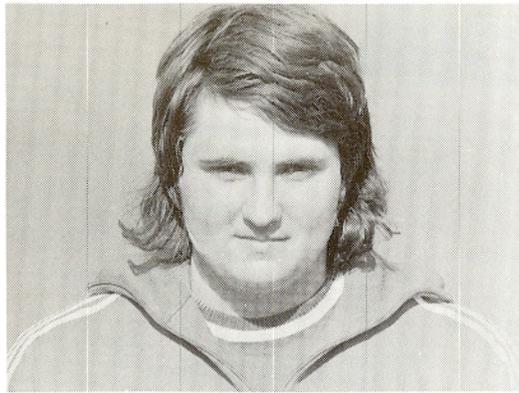
1—Vilma Bardauskiene, USSR  
 2—Angela Voigt, DDR  
 3—Jarmila Nygrynova, Cze  
 4—Brigitte Wujak, DDR  
 5—Gina Panait, Rum

6—Sue Reeve, GB  
 7—Heide Wyciak, DDR  
 8—Jacqueline Curtet, Fra  
 9—Jodi Anderson, USA  
 10—Karin Hanel, GFR

11—Ildiko Erdelyi, Hung  
 12—Lynette Jacenko, Aus  
 13—Anita Stukane, USSR  
 14—Doina Anton, Rum  
 15—Anke Weigt, GFR

# 1978 WORLD

22.06/72' 4½	Ilona Slupianek, DDR		Elena Stoyanova, Bul	19.22/63' 0¾	Simone Michel, DDR
21.87/71' 9	Helena Fibingerova, Cze	20.10/65' 11¼	Eva Wilms, GFR	19.09/62' 7½	Natalya Akhrymenko, USSR
21.58/70' 9¾	Marianne Adam, DDR	19.92/65' 4¼	Tamara Bufetova, USSR	19.05/62' 6	Cardula Schulze, DDR
	Margitta Droese, DDR	19.80/64' 11½	Svetlana Myechnikova, USSR	19.01/62' 4½	Vyera Kot, USSR
20.99/68' 10½	Helma Knorscheidt, DDR	19.74/64' 9¾	Nina Isayeva, USSR	18.99/62' 3¾	Mihaela Loghin, Rum
20.70/67' 11	Svetlana Krachevskaya, USSR	19.42/63' 8½	Zdenka Bartonova, Cze	18.98/62' 3¼	Maren Seidler, USA
20.33/66' 8¾	Ivanka Petrova, Bul	19.24/63' 1½	Karin Fitzner, DDR		Faina Veleva, USSR



HELENA FIBINGEROVA (CZE)



EVA WILMS (GFR)

PETER PROBST PHOTO

PETER PROBST PHOTO

# SHOT PUT

## 1978 USA

62' 3¼	Maren Seidler (Stars)	45' 8	Susie Ray (LATC)		Karen Waddell (MSTC)
53' 7¾	Kathy Devine (EmpSU)		Betty Rogers (UTEPA)*	44' 3¾	Debra Evans (TWU)
53' 1	Jane Frederick (LATC)		Kutchta (Hartnell)	44' 3	Linda Long (KsSU)
52' 4½	Ann Turbyne (U Ma)	45' 6	Holloway (WVTC)	44' 2¾	Mary Ann Johnson (W Ill)
52' 0½	Caryl Van Pelt (U Wa)	45' 4	Christy Temberger (Un)	44' 1½	Olga Aranda (TWU)
51' 9¾	Jennifer Smits (UTEPA)*		Themis Zambryzcki (BYU)*		Sally Newberry (U Mt)
51' 6½	Emily Dole (CSLB)	45' 3¼	Elaine Sobansky (Un)	44' 1¼	Dana Collins (AzSU)
51' 3½	Marcia Mecklenburg (SeaPac)	45' 1	Paula Nickerson (SpoFalls)	44' 0	Lisa Smith (SpoFalls)
49' 11	Mary Jacobs (OreTC)	44' 10½	Monica Stoltenbury (PortSU)		
49' 8½	Jill Stenwall (KearSU)	44' 9	Jacke Henry (CheeTC)		
49' 1	Karen Marshall (CSN)	44' 7	Micelle Betham (CSHum)		
48' 11¾	Lorna Griffin (SeaPac)	44' 6½	Lynn Barber (MiSU)	44' 8¾	Wendy Whitley (PaHS)
48' 3¾	Branwen Smith (SprClg)*	44' 6	Cynthia Klouse (HS)	47' 7	Nancy Jenkins (OhJO)
47' 9½	Cecile Hansen (U Ok)*		Wendy Whitley (K Key)	46' 9	Susie Ray (LATC)
47' 2¼	Deanne Patrick (MoreSU)		Lisa Kinimaka (LATC)	46' 8	Karen Waddell (TnJO)
46' 11	Eleanor Majors (IndyCh)	44' 5½	Gail Koziara (HS)	46' 1½	Michelle Hawthorne (CaJO)
46' 7¾	Melody Rose (CSLA)		Jacky Stevenson (UNLV)	45' 11½	Kerry Zwart (CaHS)
46' 7	Susan Thornton (Un)	44' 5	Rosario Ramos (Ana At)	45' 11¼	Cornelia Davis (NY JO)
46' 5½	Sandy Burke (NE Clg)		Sharon Redvici (DelSU)	45' 9½	Jayne Hagins (MnJO)
46' 3	Ria Stalman (UTEPA)*	44' 4	Ella Abercrombie (SF Aus)	45' 4	Rosario Ramos (CaJO)

### 8 Pound Shot

## ALL TIME WORLD

22.50/73' 9¾	Helena Fibingerova, Cze	1977	21.26/69' 9	Krachevskaya, USSR	1977	19.92/65' 4¼	Tamara Bufetova, USSR	1978
22.06/72' 4½	Ilona Slupianek, DDR	1978	20.99/68' 10½	Helma Knorscheidt, DDR	1978	19.88/65' 2¾	Nina Isayeva, USSR	1977
21.89/71' 9¾	Ivanka Khristova, Bul	1976	20.33/66' 8½	Elena Stoyanova, Bul	1978	19.87/65' 2¼	Faranda, USSR	1977
21.67/71' 1¼	Marianne Adam, DDR	1976	20.33/66' 8½	Ivanka Petrova, Bul	1978	19.80/64' 11½	Myelnikova, USSR	1978
21.58/70' 9¾	Margitta Droese, DDR	1978	20.22/66' 4	Margitta Gummel, DDR	1972	19.42/63' 8½	Zdenka Bartonova, Cze	1978
21.45/70' 4¼	Nadyezhda Chizhova, USSR	73	20.12/66' 0¼	Zapkalenko, USSR	1977	19.32/63' 4¾	Gorbachova, USSR	1977
21.42/70' 3¼	Eva Wilms, GFR	1977	20.02/65' 8¼	Faina Myelnik, USSR	1976			

## 1978 WORLD RANKING

1—Ilona Slupianek, DDR	6—Svyetina Krachevskaya, USSR	11—Svyetina Myelnikova, USSR
2—Helena Fibingerova, Cze	7—Eva Wilms, GFR	12—Nina Isayeva, USSR
3—Margitta Droese, DDR	8—Elena Stoyanova, Rum	13—Adenka Bartonova, Cze
4—Helma Knorscheidt, DDR	9—Ivanka Petrova, Bul	14—Karin Fitzner, DDR
5—Marianne Adam, DDR	10—Tamara Bufetova, USSR	15—Simone Michel, DDR

# 1978 WORLD

70.72/232' 0	Evelin Jahl, DDR	66.10/216'10	Sabine Engel, DDR	62.82/206' 1	Heigi Parts, USSR
70.34/230' 9	Faina Veleva, USSR	64.40/211' 3	Tatyana Berezhnaya, USSR	62.46/204'11	Ute Rekeschat, DDR
68.48/224' 8	Margitta Droese, DDR	64.04/210' 1	Jitka Prousova, Cze	62.40/204' 9	Argentina Menis, Rum
67.54/221' 7	Svetlana Petrova, USSR	63.00/206' 8	Brigitte Sander, DDR	62.16/203'11	Carmen Ionescu, Can
66.94/219' 7	Svetla Bozhkova, Bul		Ilona Slupianek, DDR		Nadyezhda Yerasha, Bul
66.28/217' 5	Lyudmila Isayeva, USSR	62.90/206' 4	Svetlana Myelmkova, USSR	62.00/203' 5	Kharchenko, USSR
66.24/217' 4	Natalia Gorbacheva, USSR	62.88/206' 3	Ivanka Khristova, Bul	61.60/202' 1	Galina Murscheva, USSR
					Carmen Romero, Cuba

# 1978 USA

182' 6	Ria Stalman (UTEP)*	155' 9	Brenda Denny (CoGold)	144' 4	Lisa Morse (IaSU)
180' 5	Lynne Winbiger (OrTC)	154'11	Lucy Neiman (TWU)		Leslie Denis (USJrs)
180' 3	Lorna Griffin (SeaPac)	153' 7	Julie Cart (AzSU)		Jodyne Hagins (MnJO)
	Jane Haist (UTn)*	153' 4	Linda Langford (MLions)	144' 1	Linda Montgomery (un)
174' 0	Julie Hansen (SeaPac)	152'10	Cindy Kaiser (UMo)	143' 5	Jill Stenwall (KearSU)
171' 0	Helen Connell (AtCst)	151' 2	Pia Iacova (Falmouth)	143' 4	Leslie Hoerner (CSLB)
170' 4	Betty Bogers (UTEP)*	150' 5	Pam Koontz (UNb)	143' 1	Elena Gervino (NY HS)
170' 2	Monette Branson (LATC)	150' 3	Kathy Devine (EmpSU)	142' 9	Debbie Booe (CoSU)
170' 0	Lisa Vogelsang (un)	149'10	Marcia Mecklenberg (SeaPac)	142' 5	Donna Lake (MdHS)
164' 3	Karen Marshall (CSN)	149' 9	Kathy Picknell (UOr)	142' 3	Karen McDonald (SD HS)
161' 3	Jan Svendsen (Quest)	148'11	Margaret Fox (CoSU)	142' 0	D. Lance (UWyo)
161' 1	Carol Finsrud (UTx)	147' 5	Melanie Heitman (IaHS)		Lizann Schultz (PortSU)
159'10	Francine Kaylor (CoSU)	147' 0	Julie McEwen (NbHS)		Dana Olson (TxJO)
158' 4	Christy Pyle (CaHS)	146' 0	Jennifer Smit (UTEP)*	140' 4	Jackie Degel (RonCol)
156' 8	Jackie Gordon (UFla)	145' 9	Susan Springer (CaHS)	140' 3	Lori Lacombe (MoorSU)
156' 4	Mary Stevenson (UOr)	145' 7	Heather Wood (BYU)	140' 2	Holloway (WVyJC)
156' 1	Caryl Van Pelt (UWa)	144'11	Vickie Lee Cobern (TxJO)		



EVELYN JAHL (DDR)



FAINA VELEVA (USSR)

# DISCUS

# ALL TIME WORLD

70.72/232' 0	Evelin Jahl, DDR	1978	Svetlana Petrova, Bul	1978	64.38/211' 3	Ilona Slupianek, DDR	1977
70.48/231' 3	Faina Veleva, USSR	1976	Gabrielle Hinzmann, DDR	1973	64.04/210' 1	Jetka Prouzova, Cze	1978
69.08/226' 8	Carmen Romero, Cuba	1976	Svetla Boshkeva, Bul	1978	63.56/208' 6	Ashrimenko, USSR	1977
68.92/226' 1	Sabine Engel, DDR	1977	Gorbachova, USSR	1976	62.90/206' 4	Myelmkova, USSR	1978
68.60/225' 1	Maria Vergova, Bul	1976	Maria Betancourt, Cuba	1976	62.88/206' 3	Ivanka Khristova, Bul	1978
68.48/224' 8	Margitta Droese, DDR	1978	Lyudmila Issayeva, USSR	1976	62.16/203'11	Carmen Ionescu, Can	1978
67.94/222'11	Argentina Menis, Rum	1976	Leisel Westermann, GFR	1970		Nadyezhda Yerasha, Bul	1978

# 1978 WORLD RANKING

- |                            |                            |                               |
|----------------------------|----------------------------|-------------------------------|
| 1—Evelin Jahl, DDR         | 6—Svyetlana Petrova, USSR  | 11—Donka Khristova, Bul       |
| 2—Faina Veleva, USSR       | 7—Svetka Bozhkova, Bul     | 12—Argentina Menis, Rum       |
| 3—Margitta Droese, DDR     | 8—Lyudmila Isayeva, USSR   | 13—Svyetlana Myelnikova, USSR |
| 4—Natalia Gorbacheva, USSR | 9—Tatyana Berezhnaya, USSR | 14—Natalia Akhrymenko, USSR   |
| 5—Sabine Engel, DDR        | 10—Jitka Prouzova, Cze     | 15—Ute Rekeschat, DDR         |

# 1978 WORLD

69.16/226'11	Ruth Fuchs, DDR	63.50/208' 4	Caridad Colon, Cuba	61.66/202' 3	Heide Repser, GFR
64.24/210' 9	Ute Richter, DDR	63.38/207'11	Sherry Calvert, USA	61.20/200' 9	Bernadetta Blechasz, Pol
64.04/210' 1	Eva Helmschmidt, GFR	63.32/207' 9	Karin Smith, USA		Jadвига Putiniene, USSR
64.00/210' 0	Tessa Sanderson, GB	63.16/207' 3	Nina Nikanorova, USSR	60.42/198' 3	Ingrid Thyssen, GFR
	Kate Schmidt, USA	61.92/203' 2	Angelika Fuchs, DDR	60.38/198' 1	Ivanka Vansheva, Bul
63.66/208'10	Eva Raduly, Rum	61.90/203' 1	Petra Felke, DDR	59.76/196' 1	Sofia Sakororafa, GRE
63.60/208' 8	Ute Hommola, DDR	61.80/202' 9	Eva Janko, Aut		



TESSA SANDERSON (GB)



INGRID THYSSEN (GFR)

JAVELIN

# 1978 USA

210' 6	Kate Schmidt (PCC)	156' 4	Chris Hunt (One-der)	146' 8	Kitsy Hall (OrSU)
207'11	Sherry Calvert (L. Int.)	155' 5	Katherin Calo (MeJO)	146' 2	Gina Breedlove (TxWU)
207' 9	Karin Smith (un)	155' 4	Rozlyn Rouse (WaHS)	146' 1	Kim Blakesley (IaSU)
186' 8	Celeste Wilkinson (AzSU)	154'11	Patty Kearney (UOr)	145' 7	Regina Steele (USC)
181' 6	Lynn Cannon (MLions)	154' 8	Lynn Dunton (CSSD)	145' 1	Linda Long (KsSU)
179' 7	Cathy Sulinsky (CSHay)	153' 5	Pat Brown (UWa)	144'11	Raedean Rona (CaPolP)
175' 1	Osa Westman (MacUn)*		Pam Thompson (SpoCC)	144' 6	Inez Lauerman (CSChi)
169'10	Donna Dietrich (CSSD)	152' 3	Carmen Scherich (Pitt)		Jill Hirschinger (UtSU)
	Barbara Whitfield (un)	151'11	Lorna Brandt (UCSB)		Donna Mayhew (un)
167' 4	Kari Canarigg (L. Int.)		Jenny Stary (Pom-Pit)	144' 1	Lisa Van Benthem (USC)
166' 8	Debbie Williams (L.E. Com)	151' 5	Nancy Townsend (FISU)	144' 0	Lisa Vogelsang (CaSN)
161' 3	Joy Hall (SWOrCC)	150'11	Kathy Devine (EmpSU)	143'11	Pam Pariso (CaSBak)
160' 9	Jackie Nelson (un)	149'11	Donna Branch (TxAM)	143' 2	Tracy Beckes (WaJO)
160' 2	Monica Stoltenburg (VikAC)	149' 0	Melanie Heitman (IaJO)	143' 0	Deena Bernstein (un)
157' 1	Jeanne Eggart (WaSU)	147' 8	Vicky Lopez (UPR)	142' 8	Rennie Lambrecht (OrCED)
	Donna O'Carroll (Rutg)	147' 1	Charm Bishop (LATC)		
	Mary Osborn (un)		Louise Halle (un)		

# ALL TIME WORLD

69.32/227' 5	Kate Schmidt, USA	1977	63.72/209' 1	Svetlana Babich, USSR	1976
69.16/226'11	Ruth Fuchs, DDR	1978	63.60/208' 8	Ute Mommola, DDR	1978
67.20/220' 6	Tessa Sanderson, GB	1977	63.50/208' 4	Caridad Colon, Cuba	1978
65.46/214' 9	Sabine Sebriwski, DDR	1976	63.38/207'11	Sherry Calvert, USA	1978
65.12/213' 8	Marion Becker, GFR	1976	63.32/207' 9	Karin Smith, USA	1978
64.34/211' 1	Jacqueline Hein, DDR	1974	€3.28/207' 7	Jakubovich, USSR	1978
64.24/210' 9	Ute Richter, DDR	1978	63.16/207' 3	Nina Nikanorova, USSR	1978
64.04/210' 1	Eva Helmschmidt, GFR	1978	62.48/205' 0	Kincheva, USSR	1977
63.96/209'10	Elvira Ozolina, USSR	1973	61.96/203' 3	Heidi Repser, GFR	1977
63.86/209' 6	Pasternakevitch, USSR	1976	61.92/203' 2	Angelika Fuchs, DDR	1978

# 1978 WORLD RANKING

1—Ruth Fuchs, DDR	6—Eva Raduly, Rum	11—Nina Nikanorova, USSR
2—Theresa Sanderson, GB	7—Eva Helmschmidt, GFR	12—Saida Gunba, USSR
3—Ute Hommola, DDR	8—Sherry Calvert, USA	13—Heidi Repser, GFR
4—Uta Richter, DDR	9—Kate Schmidt, USA	14—Karin Smith, USA
5—Caridad Colon, Cuba	10—Ingrid Thyssen, GFR	15—Jadвига Putiniene, USSR

# 1978 WORLD

## 1978 Top 20

4768	Diane Jones-Konihowski, Can	4592	Trixie Phillip, GFR	4363	Leisel Albert, GFR
4746	Nadyezhda Tkachenko, USSR	4590	Jekaterina Gordiyenko, USSR	4351	Breda Lorenci, Yug
4704	Jane Frederick, USA	4520	Ramona Neubert, DDR	4358	Sylvia Berlag, Hol
4655	Margit Papp, Hun	4514	Ina Losch, GFR	4343	Silvia Oja, USSR
4600	Burglinde Pollak, DDR	4501	Nadyezhda Karyakina, USSR	4336	Cornelia Sulek, GFR
4599	Kristine Nitzsche, DDR	4385	Tatyana Shiapakova, USSR	4331	Nijole Kvetkauskaitė, USSR
4596	Yekatra Smirnova, USSR	4368	Galina Shulzhenko, USSR		

# 1978 USA

4704	Jane Frederick (LATC)	3872x	Joan Russell (UCSB)	3617	Jenny Stary (Pom-Pit)
4379	Modupe Oshikoya (UCLA)*	3864	Teri Seippel (EaKy)	3601	Cory Kneuer (UWi)
4352	Themis Zambrycki (BYU)*	3860	Lori West (UCol)	3565x	Jennie Mann (UCLA)
4243x	Dana Collins (AzSU)	3955	Susie Ray (LATC)	3537x	Cynthia Snyder (UCDavis)
4242x	Jodi Anderson (CaSN)	3849	Nancy Malloy (CoSU)	3517x	Sonya Harringfold (Mod)
4141	Mitzi McMillian (Lake Int'l.)	3843	Lynn Kinney (SpoCC)	3516x	Gigi Hurley (MLions)
4112	Judy Fontain (AGAA)	3809	Paula Girven (UMd)	3508x	Susie Brehner (CP/Pom)
4100x	Denise Cornell (LATC)	3794	Pia Haakansson (UMis)*	3505	Laura Blank (UTn)
4064	Patsy Walker (CaSLB)	3763	Juanita Alston (Cav)	3477	Sandy Schultz (IaHS)
4052x	Linda Cornelius (TxAM)	3753	Susan Brownel (FredTC)	3458	Jane Lynch (UVt)
3974x	Ann Crump (UNLV)*	3724	Patty Knighton (Penn)	3449	Cindy Banks (SBCC)
3953x	Nancy Kindig (UNb)	3681	Mary Grinaker (UWi)	3447	Luane Morris (UCSB)
3922x	Marilyn Lindsenmeyer (LATC)	3673	Roxanne Keating (SunDSF)	3433	Kim Costell (SSanFran)
3912x	Kerry Zwart (LATC)	3670	Lisa Kinimaka (LATC)	3423	Joanne Macleod (UTn)*
3897x	Mary Harrington (CoSU)	3661	Vivian Estes (BYU)	3418	Laura Lemire (UMd)
3895	Judy Pollion (Mem)	3647	Wendy Linbaugh (Un)	3408	Cindy Mitchell (VOS)
3885x	Heide Hertz (UTn)	3628	Tonya Allston (Chico)	3401	Norma Pyle (OreClEd)

# ALL TIME WORLD

4839	Nadyezhda Tkachenko, SU	1977	4590	Jekaterina Gordiyenko, SU	1978	4630	Valentina Dimitrova, Bul	1977
4823	Eva Wilms, GFR	1977	4550	Petra Rampf, DDR	1977	4621	Jekaterina Smirnova, USSR	1977
4768	Diane Konihowski, Can	1978	4533	Zoya Spassovchodskaya, SU	1977	4600	Burglinde Pollak, DDR	1978
4704	Jane Frederick, USA	1978	4522	Ludmila Popovskaya, USSR	1977	4599	Kristine Nitzsche, DDR	1978
4655	Margit Papp, Hun	1978	4520	Ramona Neubert, DDR	1978	4592	Beatrix Phillip, GFR	1978

# 1978 WORLD RANKING

1—Nadyezhda Tkachenko, USSR	6—Kristine Nitzsche, DDR	11—Nadyezhda Karyakina, USSR
2—Jane Frederick, USA	7—Yekaterina Smirnova, USSR	12—Ina Losch, GFR
3—Diane Konihowski, Can	8—Yekaterina Gordienko, USSR	13—Galina Shulzhenko, USSR
4—Margit Papp, Hun	9—Trixie Phillip, GFR	14—Florence Picaut, Fra
5—Burglinde Pollak, DDR	10—Ramona Neubert, DDR	15—Cornelia Sulek, GFR

# WORLD RANKING SUMMARY

As usual and as expected, the Soviet Union and the East Germans dominated the 1978 World Rankings. With 210 positions announced by Jan Popper, the USSR and DDR grabbed off more than half of the available spots. The USA was fourth best with 14 positions, three of them in the javelin.

1—USSR.....	54
2—DDR.....	50
3—GFR.....	18
4—USA.....	14
5—Rum.....	11
6—GB.....	10
Pol.....	10
8—Cze.....	6
Bul.....	6

10—Fra.....	4
Aus.....	4
12—Cuba.....	3
Hun.....	3
14—Nor.....	2
Ita.....	2
Swi.....	2
Can.....	2
Swe.....	2
19—Jam.....	1
Fin.....	1
Bar.....	1
Den.....	1
Bel.....	1
Eire.....	1
Jap.....	1

PENTATHLON

# ADDITIONAL EVENTS 1978

## 100 YARDS

WORLD

USA

10.41 Marlies Oelsner (DDR)  
 10.47 Marita Koch (DDR)  
 10.61 Monika Hamman (DDR)

10.66 Michelle Glover (Wil. TC)  
 10.87 Robbin Coleman (TxHS)  
 10.92 Kelia Bolton (CaHS)  
 10.96 Alice Brown (CaHS)  
 10.97 Jennie Gorham (KCNS)  
**Hand Timed**  
 10.3 Evelyn Ashford (UCLA)  
 10.5 Valerie Brisco (CaHS)  
 Robbin Coleman (TxHS)  
 Paula Hines (MdHS)  
 10.6 Alice Brown (LAM)  
 Renita Dingle (MdHS)  
 Gail Douglas (LI)  
 10.7 Eunice Ashford (FIHS)  
 Jackie Below (LErieCom)

Gwen Loud (CaHS)  
 Pam Marshall (CaHS)  
 Eileen Parker (CaHS)  
 Cindy Tatum (U Nb)  
 Sandy Crabtree (Px BG's)  
 Patti Dunlap (Mid-Atl)  
 Angela Johnson (Motor Cy)  
 Pam Rogers (FIHS)  
 Lisa Thompson (VOS)  
 Cathy Barber (MdHS)  
 Linda Bourn (BYU)  
 Kim Webster (CaHS)  
 Pam Harper (S.Px SM)  
 Sharon Ware (CaHS)

## ONE MILE

USA

4:30.97 Francie Larrieu (Un)  
 4:31.02 Debbie Heald (SFV)  
 4:37.57 Cindy Bremser (WisTC)  
 4:38.28 Kate Keyes (UCLA)  
 4:40.0 Mary Decker (Un)  
 4:40.7 Emily Whitney (GlenCC)#  
 4:41.86 Brenda Webb (U Tn)  
 4:42.0 Deanna Coleman (Falc)  
 Julie Shea (NCSU)  
 4:44.7 Sharon Hamond (Pa)  
 4:44.95 Cheri Williams (CaHS)  
 4:46.9 Charlotte Lettis (LibAC)  
 4:47.1 Gina Myer (LBCC)#  
 4:47.4 Tara Arnold (TxHS)  
 4:48.3 Kathy Mills (Penn)

4:49.65 Susie Meek (CaHS)  
 4:50.7 Joan Benoit (NCSU)  
 Sharon Hulse (CaHS)  
 4:50.97 Stacey Crystal (Col)  
 4:51.6 Patty Lyons (Un)  
 Lorna Ordman (Un)  
 4:52.1 Linda Goen (CaHS)  
 4:52.2 Debbie Quatier (SeaPac)  
 4:52.3 Jill Haworth (CYO)  
 Kelly Wells (CaHS)  
 4:52.51 Patty Murnane (MaHS)  
 4:52.5 Suzanne Richter (CaHS)  
 4:52.9 Aileen O'Connor (CYO)  
 4:53.3 Joetta Clark (NJ HS)  
 4:53.7 Maggie Keyes (CP/SLO)

4:53.8 Ann Henderson (OhHS)  
 4:55.3 Sue North (SprClg)  
 4:56.2 Dia Elliman (HampClg)  
 4:56.22 Connie Riegelmann (NY HS)  
 4:56.5 Cheryl Flowers (CaHS)  
 4:57.3 Judy St. Hilaire (U Vt)  
 4:57.7 Sarah Sweeney (CaHS)  
 4:58.0 Susan Overby (FIHS)  
 Betty Spring (FIHS)  
 4:58.7 Sande Cullinane (LibAC)  
 4:58.9 Marissa Schmidt (Mid-Atl)  
 4:59.6 Jane Rouda (CP/SLO)  
 4:59.7 Kiki Lantry (LATC)  
 5:00.1 Michelle Bush (CaHS)

## TWO MILES

USA

9:49.6 Jan Merrill (AGAA)  
 9:56.2 Julie Shea (NCSU)  
 10:01.2 Ellison Goodall (Duke)  
 10:09.8 Cheri Williams (CaHS)  
 10:15.5 Martha White (Un)  
 10:17.3 Aileen O'Connor (CYO)  
 10:23.6 Susie Meek (CaHS)  
 10:32.0 Ann Henderson (BRTC)  
 10:39.6 Heather Tolford (U Ore)  
 10:43.3 Jan Oehm (MaHS)  
 10:43.4 Eileen Casey (NY HS)  
 10:44.1 Roxanne Bier (SJC)  
 10:44.4 Joan Benoit (LibAC)  
 10:47.0 Pam Bowers (CaHS)

10:47.5 Tena Anex (UC Davis)  
 10:48.6 Kathy Whitcomb (Tufts)  
 10:50.4 Janice Kelley (CaHS)  
 10:50.6 Kathy Bryant (OhTC)  
 10:51.0 Marissa Schmidt (PaHS)  
 10:52.0 Karen Bridges (OkSU)  
 10:52.1 Sandy Cullinane (MaHS)  
 10:52.9 Jane Welzel (U Mass)  
 10:53.4 Laurie Crisp (CaHS)  
 10:54.1 Trisha Malishewski (PaHS)  
 10:55.0 Ann Gladus (NJ HS)  
 10:55.3 Renee Ortiz (CaHS)  
 10:55.5 Peggy Cleary (OhTC)  
 10:55.8 Cathy Twomey (U Mn)

10:56.2 Carol Schenk (StrRt)  
 10:56.4 Irene Cwenley (CaHS)  
 10:56.8 Monique Purcell (NJ HS)  
 10:57.1 Brown (U Mo)  
 10:57.2 Robin Roughton (VaHS)  
 10:58.2 Mary Walsh (MdHS)  
 10:59.1 Carol Keller (CaHS)  
 10:59.6 Laurie Sawyer (PxTC)  
 11:00.1 Roach (CaHS)  
 11:00.8 Amy Bouchard (U Vt)  
 11:02.9 Molly Morton (U Ore)  
 11:05.1 Kunkel (U Mo)  
 11:05.9 Donna McLain (Mid-At)  
 11:07.6 Laurie Orness (U Mn)

## 5000

WORLD

15:08.8 Loa Olafsson, Den  
 15:35.5 Kathy Mills, USA  
 15:41.9 Raisa Sadretdinova, USSR  
 15:45.8 Galina Golovinskaya, USSR  
 15:59.9 Julie Brown, USA

ALL TIME

15:08.8 Loa Olafsson, 1978  
 15:35.5 Kathy Mills, USA 1978  
 15:37.0 Jan Merrill, USA 1977  
 15:41.6 Peg Neppel, USA 1976  
 15:41.9 Raisa Sadretdinova, USSR 1978  
 15:43.4 Julie Brown, USA 1974

15:45.8 Galina Golovinskaya, USSR 1978  
 15:53.6 Paola Cacchi, Ita 1969  
 15:57.0 Teri Anderson, USA 1977

USA

15:35.5 Kathy Mills (Penn)  
 15:59.9 Julie Brown (CSN)  
 16:00.4 Sue Kinsey (CSN)  
 16:02.2 Ellison Goodall (Duke)  
 16:05.9 Sue Schaefer (E Ky)  
 16:10.3 Julie Shea (NCSU)  
 16:12.0 Kris Bankes (Penn)  
 16:16.2 Debbie Quatier (SeaPac)  
 16:22.5 Joan Benoit (NCSU)

16:26.74 Carol Cook (IaSU)  
 16:36.2 Doris Heritage (Falc)  
 16:37.56 Katy Schilly (IaSU)  
 16:38.10 Karen Bridges (OkSU)  
 16:39.6 Kathy Adams (U Wa)  
 16:43.6 Mary Seybold (IaSU)  
 16:56.4 Sally Mettzer (UCBerk)  
 16:56.5 Valerie Ford (NCSU)  
 16:57.0 Bev Roland (Wn Il)  
 16:58.2 Bridget Seip (IaSU)  
 16:58.9 Lynn Morin (U Wi)  
 17:04.3 Heather Tolford (UCLA)  
 17:05.0 Linda Broderick (UCLA)

# USA

# 5000 CONT.

17:07.8	Julia Campbell (U Tx)	17:33.8	Molly Morton (U Ore)	17:47.05	Lil Warnes (MiSU)
17:10.1	Nancy Shafer (IITC)	17:34.8	Kathy Robertson (CSN)	17:47.3	Anita Scandurra (Falc)
17:16.2	Linda Heinmiller (UCLA)	17:35.0	Joan Hansen (U Az)	17:51.1	Cecelia Peterson (LATC)
17:16.8	Debbie Ritchie (U Ore)	17:38.1	Jane Wipl (UtSU)	17:52.6	Karin Von Berg (Un)
17:19.0	Dana Slater (U Col)	17:39.6	Judy McCreery (U N Col)	17:53.0	Joyce Dendo (UCSB)
17:19.20	Anita Moyer (U Ill)	17:39.7	Joy Hansen (U Az)	17:53.2	Alice Wheat (KsSU)
17:19.63	Lisa Berry (MiSU)	17:39.8	Gail Miloch (W Ill)	17:53.27	Yvonne Rieman (ColSU)
17:20.5	Lynn Lashley (U Tn)	17:40.5	Debbie Pavik (U Md)	17:57.0	Marty Billingsly (U Wi)
17:21.0	Linda Brown (U Mo)	17:45.6	Martha Sartain (TxA&M)	17:58.1	Marybeth Spencer (U Wi)
17:29.2	Brenda Saunders (U Mo)	17:45.66	Janet Lovelace (OreSU)		

# USA

# THREE MILES

16:59.2	Nancy Scardina (U Tx)	17:50.1	Adams (Brown)	18:27.9	Pat Nolte (U Wi/RF)
17:03.0	Kunkel (U Mo)	17:50.87	Sherrie Case (E Ky Luth)	18:34.4	DeeAnn Dougherty (Mankato)
17:11.34	Christy Garcia (U Tx)	17:51.1	Levy (Princeton)	18:35.7	K. Foley (WmWoods)
17:11.8	Brown (U Mo)	17:56.3	Saunders (U Mo)	18:38.9	Myerson (Barnard)
17:15.8	Terrie Wagner (E Ky Luth)	17:59.07	Sheila Beecher (E Ky Luth)	18:43.1	Toni Bourne (St Cl SU)
17:24.8	Tina Blizard (SeaPac)	18:09.9	Kate Krippner (StClSU)	18:44.2	Alves (Wm Woods)
17:32.5	Tasha Zoller (TWU)	18:11.5	Henry (Yale)	18:46.1	Mary Ann Mullarkey
17:33.1	Laurie Adams (ColSU)	18:14.8	Sandhagen (S Mo SU)	18:48.8	Weimann (Cornell)
17:39.3	Dolores Flores (E Tx U)	18:20.8	Sue Grigsby (CSHum)	18:54.3	Marie Evans (Mankato)
17:40.2	Debbie Gazafy (ColSU)	18:26.78	Sue Nehatter (Hamline)		

# 10000 METERS

## WORLD

31:45.4	Loa Olafsson, Den
32:42.3	Natalia Maracescu, Rum
33:40.2	Ellison Goodall, USA
33:42.7	Sue Kinsey, USA
34:06.6	Christine Vahlenieck, GFR
34:15.0	Charlotte Teske, GFR
34:17.3	Karen Bridges, USA
34:20.5	Julie Brown, USA

## USA

33:40.2	Ellison Goodall (Duke)
33:40.s	
33:42.7	Sue Kinsey (LATC)
34:17.3	Karen Bridges (OkSU)
34:20.5	Julie Brown (LATC)
34:42.7	Carol Cook (IaSUTC)
34:54.8	Roxanne Bier (SJC)
35:07.7	Marti Cooksey (Un)
35:08.1	Kathy Adams (U Wa)
35:10.0	Heather Tolford (U Ore)
35:11.2	Ann Trasib (MP Stri)
35:12.0	Debbie Richie (U Ore)
35:22.2	Phyllis Olrich (Un)
35:37.8	Cindy Darymple (HonTC)
36:07.4	Celia Peterson (LATC)
36:59.8	Jane Robinson (Club NW)
37:47.2	Amelie Wilmer (WL)
37:59.9	Diane Partridge (U Wa)

## ALL TIME

31:45.4	Loa Olafsson, Den	1978
32:42.3	Natalia Maracescu, Rum	1978
33:15.09	Peg Neppel, USA	1977
33:40.2	Ellison Goodall, USA	1978
33:42.7	Sue Kinsey, USA	1978
34:06.6	Christine Vahlenieck, GFR	1978
34:15.0	Charlotte Teske, GFR	
34:17.3	Karen Bridges, USA	1978
34:19.50	Julie Brown, USA	1977

# SIX MILES

## USA

32:41.2	Ellison Goodall (Duke)
32:41.3	Sue Kinsey (LATC)
33:07.8	Karen Bridges (OkSU)
33:35.1	Carol Cook (IaSUTC)
33:44.6	Roxanne Bier (SJC)

# 4x100M/100Y

## USA

43.9	Tennessee SU	45.78	USC	46.6	Kansas State
43.97	US Sr. National Team	45.8	Adelphi	46.7	U Puerto Rico
44.61y	Texas Woman's U	45.91	DC International	46.73	U Oregon
44.72	US Jr. National Team	46.0	Premier TC	46.75	UCLA
44.85	Berkeley East Bay	46.1	Ca State Long Beach	46.78	U Tennessee
45.05	Texas Southern	46.13	U Kansas	46.85y	Jr. Olympic Reg. 9
45.40	Arizona SU	46.17	NY Police Ath League	46.93y	Jr. Olympic Reg. 4
45.42	L.A. Mercuresses	46.20	Willingboro TC	46.9	U Maryland
45.44	Prairie View A&M	46.21	U Nevada Las Vegas	47.0	Delaware State
45.49	So. Jersey TC	46.28	Morgan State		Kearney State
45.59	L.A. Track Club		US Team in Mexico		U Delaware
45.60	Ca State L.A.	46.46	Jackson State	47.04	Michigan State
45.68	Colorado Flyers	46.57	Ed Waters Alliance	47.21	Grambling
45.72	Ca State Northridge				

# ADDITIONAL EVENTS 1978

## 4x200M/220Y USA

1:34.90	Jamaica TC	1:41.50	Seattle Pacific	1:43.4	Morant Bay HS (Fla)
1:36.05	Texas Woman's U	1:42.07	Grambling	1:44.1	Fairmont Hgts. HS (Md)
1:36.36	D.C. International	1:42.0	Mead HS (Md)	1:44.2	Kansas State
1:37.00	Texas Southern	1:42.11	Memphis - Shelby TF	1:44.6	So. Plantation HS (Fla)
1:37.94	NY Police Ath League	1:42.16	U Texas	1:44.7y	Cal State Northridge
1:38.9	Prairie View A&M	1:42.6	Texas A&M	1:44.7	Largo HS (Md)
1:39.08	Ed Waters Alliance	1:42.7	Woodson HS (DC)		U Wisconsin
1:39.29	Flashettes	1:42.8	Oxon Hill H (Md)	1:44.9	Blandenburg HS (Md)
1:39.30	Cooper Striders	1:42.93	Mayor Hatcher YF		

## 880Y/800M MEDLEY USA

1:37.29	Cal State LA	1:42.01	Cal State Northridge		U Northern Colorado
1:37.71	Tennessee State TC	1:42.17	LA Track Club	1:44.66	U Nebraska
1:37.78	Prairie View A&M	1:42.4	Atoms TC	1:44.75	U Wisconsin
1:39.66y	Texas Southern	1:42.44	DC International	1:45.0	Club Olympia
1:39.74	UCLA	1:42.60	Cal State Long Beach	1:45.04	Central Jersey
1:40.30	LA Mercuresses		U Texas	1:45.2	U Dist. Columbia
1:40.90	Cal State Hayward	1:43.0	Grambling	1:45.49	Mayor Hatcher YF
1:40.95	Texas Woman's U	1:43.4y	Premier TC	1:45.58	Patriots USA
1:41.1	Arizona State U	1:43.44	U Kansas	1:45.6	Cal State San Diego
1:41.2	NY Police Ath League	1:44.16	Jackson State	1:47.74	Klub Keystone
1:41.5	Berkeley East Bay	1:44.18	Kansas State		
1:41.93	Colorado Flyers	1:44.60	So. Cal Cheetahs		

## 4x400M/440Y USA

3:28.20	US National Team vs SU		U Texas	3:47.67	New Orleans Superdames
3:34.89	Prairie View A&M	3:42.0	Klub Keystone	3:48.2	U Maryland
3:35.35y	Atoms TC	3:42.4	Cooper Striders		U Oregon
3:36.49	Colorado Flyers	3:42.5	U Nebraska/Lincoln	3:49.14	Kearney State
3:36.6	US Jr. National Team	3:43.0	Motor City TC	3:49.50	Kansas State
3:38.18	NY Police Ath League	3:43.33	Peninsula Spikes	3:49.98	U Nebraska/Omaha
3:38.3	Jamaica TC	3:43.7	Texas Southern U	3:50.3	Arizona State U
3:38.4	DC International	3:43.92	LA Track Club	3:50.4	Grambling
3:38.5	Cal State LA	3:44.24	Premier TC	3:50.50y	U Wisconsin/Mad.
3:39.1	Cal State Northridge	3:44.9	Florida State U	3:50.9y	L.A. Mercuresses
3:39.39	Flashettes	3:45.53	Lakewood International	3:51.1y	Columbia HS (NJ)
3:39.56	Iowa State U	3:45.70	Jackson State	3:51.30y	Albuquerque TC
3:40.0	Morgan State	3:46.47	Seattle Pacific	3:51.3y	Fremont HS (Ca)
3:40.4	Adlephi	3:46.6	US Team in Mexico	3:56.56	Montana State U
3:40.5	UCLA	3:47.0	Texas Woman's U	3:52.0	St. John's U
3:40.78	South Jersey TC	3:47.3	Southern Cal All Stars		
3:41.2	Penn State	3:47.6	Woodson HS (DC)		

## 4x800M/880Y USA

8:33.51	Cal State Northridge	8:58.64	Motor Cty TC	9:18.0	Colorado State
8:35.36	Iowa State U	8:59.80	Falmouth TC	9:18.61	U Illinois
8:41.10	Penn State	9:02.70	Ed Waters Alliance	9:19.5	U North Carolina
8:41.84	San Jose Cindergals	9:03.1	Rutgers	9:20.10	Kansas State
8:42.18	Liberty Ath. Club	9:03.39y	U Nebraska/Lincoln	9:22.44	U Washington
8:43.1	Atoms TC	9:04.6	U Texas/Austin	9:22.9y	E Roosevelt HS (Md)
8:45.80	L.A. TC	9:07.03	Flashettes	9:24.29	U Nebraska/Omaha
8:46.2	Cal State LA	9:07.3	Texas Woman's U	9:24.9y	Brooklyn Tech (HS)
	UCLA	9:08.8	W. Illinois State U	9:25.9m	William Penn HS (Pa)
8:46.5	U Wisconsin	9:09.2	Patriots USA	9:26.10	Cal State Long Beach
8:49.9	Howard U	9:12.3	Houston U	9:27.06	Spokane CC
	U Tennessee	9:12.7	U New Mexico	9:30.2	Brigham Young U
8:55.2	U Virginia	9:15.1	Seattle Pacific	9:32.6	U Kansas
8:55.3	Florida State U	9:15.30	U Oregon	9:33.3	U Arizona
8:55.7	Klub Keystone	9:16.31	Metroplex Striders	9:37.00	Michigan State U
8:56.19	Colorado Gold	9:16.36	U Minnesota	9:38.48	St. Olaf U
8:56.5	U Maryland	9:16.57y	U Missouri	9:38.82	Mankato State

# 50 YARDS

5.5 Iris Davis (USA) 1973  
 5.5 Alice Annum (Gha) 1975

## Automatic Timing

5.80 Andrea Lynch (GB) 1978 6.28  
 5.86 Deandra Carney (USA) 1978 6.28  
 5.89 Kim Robinson (USA) 1978 6.34  
 5.89 Evelyn Ashford (USA) 1978 6.35  
 5.90 Rita Bottiglieri (Ita) 1978 6.35  
 6.35

# 50 METERS

## 1978

Annie Alize (FRA)  
 Marita Koch (DDR)  
 Chantal Rega (FRA)  
 Laureen Beckles (FRA)  
 Monika Hamann (DDR)  
 Lyudmila Storozhkova (USSR)

## ALL TIME

6.0 Barbara Ferrell (USA) 1968  
 6.0 Renate Stecher (DDR) 1971  
 6.0 Anne Alize (Fra) 1977  
 6.0 Anmegret Richter (GFR) 1977

Automatic Timing  
 6.19 Renate Stecher (DDR) 1974  
 6.22 Ellen Strophal (DDR) 1974  
 6.24 Marlies Oelsner (DDR) 1977  
 6.26 Renate Hoser (DDR) 1974  
 6.27 Ingrid Brestrich (DDR) 1977  
 6.28 Annegret Richter (GFR) 1972  
 6.28 Marita Koch (DDR) 1978

# 60 YARDS

## 1978

6.72 Deandra Carney (USA)  
 6.73 Brenda Morehead (USA)  
 6.76 Andrea Lynch (GB)  
 6.78 Patty Loverock (CAN)  
 6.79 Evelyn Ashford (USA)  
 6.83 Kim Robinson (USA)  
 6.85 Chandra Cheeseborough (USA)

## ALL TIME

6.5 Wyomia Tyus (USA) 1966  
 6.5 Mattline Render (USA) 1972  
 6.5 Alfreda Daniels (USA) 1972  
 6.5 Angel Doyle (USA) 1975

Automatic Timing  
 6.72 Deandra Carney (USA) 1978  
 6.73 Brenda Morehead (USA) 1978  
 6.76 Andrea Lynch (GB) 1978  
 6.78 Patty Loverock (Can) 1978  
 6.80 Evelyn Ashford (USA) 1978

# 60 METERS

## 1978

7.12 Marlies Oelsner (DDR)  
 7.13 Linda Haglund (SWI)  
 7.23 Marita Koch (DDR)  
 7.24 Lyudmila Storozhkova (USSR)  
 7.28 Vera Anisimova (USSR)  
 7.31 Monika Hamann (DDR)  
 7.32 Annie Alize (FRA)  
 7.32 Brenda Morehead (USA)  
 7.35 Chantal Rega (FRA)  
 7.35 Heather Hunte (GB)  
 7.35 Doris Rietschel-Zanke (DDR)  
 7.35 Petra Sharp (GFR)  
 7.36 Sofka Popova (BUL)  
 7.37 Andrea Lynch (GB)  
 7.37 Lidia Maslakova (USSR)

## ALL TIME

7.0 Linda Haglund (Swe) 1976  
 7.0 Annegret Richter (GFR) 1977

Automatic Timing  
 7.12 Marlies Oelsner (DDR) 1978  
 7.13 Linda Haglund (Swe) 1978  
 7.16 Renate Stecher (DDR) 1974  
 7.17 Andrea Lynch (GB) 1974  
 7.20 Irena Szewinska (Pol) 1974  
 7.22 Mona-Lisa Pursiainen (Fin) 1974

# 100 METERS 1978

11.63 Ljudmila Kondrasheva (USSR) 23.3\*  
 11.70 Marina Sidorova (USSR) 23.65  
 23.88

# 200 METERS 1978

Christine Brehmer (DDR)  
 Claudia Steger (GFR)  
 Cornelia Schniggendiller (GFR)

# 300 YDS 1978

34.20 Rita Bottiglieri (ITA)  
 34.8 Sharon Dabney (USA)  
 34.8 Marisa Masullo (ITA)

# INDOOR 1978

• OVERSIZED TRACK

## 400 METERS

### 1978

52.42	Marina Sidorova (USSR)
52.6*	Martina Kampfert (DDR)
53.0*	Margit Kroning (DDR)
53.1*	Bettina Popp (DDR)
53.18	Rita Bottiglieri (ITA)
53.22	Karoline Kaefer (AUT)
53.27	Sharon Dabney (USA)
53.4*	Anita Weiss (DDR)
53.6+	Lorna Forde (BAR)
53.69	Dagmar Fuhrmann (GFR)
53.7*	Beate Liebich (DDR)
53.92	Maria Kulchunova (USSR)
53.95	Ilona Pal (HUN)
53.97	Brigitte Koczelnik (GFR)
54.11	Erika Weinstein (GFR)

### ALL TIME

51.14	Marita Koch (DDR)	1977
52.26	Rita Wilden (GFR)	1976
52.42	Marina Sidorova (USSR)	1978
52.44	Nadyezhda Iljina (USSR)	1974
52.47	Yelica Pavlichic (Yug)	1976
52.68	Verona Elder (GB)	1975
52.77	Waltraud Dietsch (DDR)	1974
52.80	Inta Klimovicha (USSR)	1976

For tracks more than 220 yards:

51.9	Doris Maletzki (DDR)	1976
52.2	Brigitte Rhode (DDR)	1976
52.3	Ellen Streidt (DDR)	1977
52.5	Christiane Marquardt (DDR)	1976

## 500 YARDS

### 1978

1:05.4	Arlise Emerson (USA)
1:05.8	Kathy Weston (USA)
1:06.1	Rosalyn Bryant (USA)
1:06.2	Marquita Belk (USA)

## 500 METERS

### 1978

1:10.5	Lorna Forde (BAR)
1:13.1	Helen Blake (GFR)
1:13.4	Pam Sedwick (USA)

## 600 YARDS

### 1978

1:21.1	Debbie Vetter (USA)
1:21.7	Lee Ballenger (USA)
1:22.6	Sharon Dabney (USA)
1:22.7	Carolyn Brinkley (USA)

## 800 METERS

### 1978

2:00.6*	Ulrike Bruns (DDR)
2:00.6*	Heika Roock (DDR)
2:01.1*	Beate Liebich (DDR)
2:01.46	Totka Petrova (BUL)
2:01.60	Mariana Suman (RUM)
2:01.7	Brigitte Kraus (GFR)
2:02.1	M. Francois Dubois (FRA)
2:02.2	Rumjana Chavdarova (BUL)
2:02.39	Tatyana Providokhina (USSR)
2:02.6	Bettina Wolfrum (DDR)
2:02.8	Hildegard Ullrich (DDR)
2:02.8	Vesela Yazinka (BUL)
2:02.9+	Mary Decker (USA)
2:03.13	A. Marie van Nuffel (BEL)
2:03.2	Ileana Silai (RUM)
2:03.42	Elzbieta Katolik (POL)

### ALL TIME

2:01.1	Nikolina Shtereva (Bul)	1976
2:01.12	Jane Colebrook (GB)	1977
2:01.2	Svetla Koleva (Bul)	1977
2:01.2	Totka Petrova (Bul)	1977
2:01.3	Elzbieta Katolik (Pol)	1977
2:01.4	Elfi Zinn (DDR)	1976
2:01.4	Svetlana Stryrkina (USSR)	1977
2:01.6	Mariana Suman (Rum)	1978

For tracks more than 220 yards:

2:00.6	Heicke Roock (DDR)	1978
2:00.6	Ulrike Bruns (DDR)	1978
2:01.1	Beate Liebich (DDR)	1978
2:01.4	Elfi Zinn (DDR)	1976

## 1000 YARDS

### 1978

2:23.8	Mary Decker (USA)
2:29.4	Francie Larrieu (USA)
2:30.3	Wendy Knudson (USA)
2:30.7	Julie Brown (USA)
2:32.0	Debbie Vetter (USA)

## 1000 METERS

### 1978

2:34.8	Brigitte Kraus (GFR)
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# 1500 METERS

## 1978

4:05.0	Natalia Marasescu (RUM)
4:05.4	Ileana Silai (RUM)
4:06.0	Ulrike Bruns (DDR)
4:07.56	Brigitte Kraus (GFR)
4:10.47	Vesela Yazinka (BUL)
4:11.0	Christine Stoll-Wartenberg (DDR)
4:12.0	Gabriele Meinel-Lehmann (DDR)
4:12.50	Silvana Cruciata (ITA)
4:13.3	Irene Lipcsei (HUN)
4:13.4	Mary Decker (USA)
4:14.0	Francie Larrieu (USA)
4:14.6	Rumjana Chavdarova (BUL)
4:15.2	Jan Merrill (USA)
4:16.2	Joyce White (GB)
4:17.9	Debbie Vetter (USA)

## ALL TIME

4:05.0	Natalia Marasescu (Rum)	1978
4:05.4	Ileana Silai (Rum)	1978
4:07.6	Brigitte Kraus (GFR)	1978
4:08.1	Mary Stewart (GB)	1977
4:09.8	Francie Larrieu (USA)	1975
4:10.0	Vesela Yatsinska (Bul)	1977
4:10.6	Nikolina Shtereva (Bul)	1976
4:11.0	Totka Petrova (Bul)	1974
4:11.33	Karin Krebs (DDR)	1974
4:11.3	Rumyana Chavdarova (Bul)	1977
For tracks more than 220 yards:		
4:06.0	Ulrike Bruns (DDR)	1978
4:10.6	Waltraud Strotzer (DDR)	1976
4:11.0	Christine Wartenberg (DDR)	1978

## ONE MILE

### 1978

4:35.4	Francie Larrieu (USA)
4:37.0	Jan Merrill (USA)
4:39.0	Lynn Jennings (USA)
4:39.6	Debbie Heald (USA)
4:40.0	Cindy Bremser (USA)

## TWO MILES

9:55.8	Brenda Webb (USA)
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# 3000 METERS

## 1978

8:57.6	Jan Merrill (USA)
9:10.4	Brigitte Kraus (GFR)

8:57.6	Jan Merrill (USA)
9:02.4	Francie Larrieu (USA)
9:03.6	Giana Romanova (USSR)
9:05.0	Irina Bondarchuk (USSR)
9:07.6	Mary Stewart (GB)

1978	9:10.4	Brigitte Kraus (GFR)	1978
1974	9:14.0	Lyudmila Bragina (USSR)	1974
1977	9:14.0	Svetlana Ulmaova (USSR)	1977
1976	9:14.2	Raisa Sandryetdinova (USSR)	1977
1976	9:14.3	Olga Dvirna (USSR)	1976

## 50Y HURDLES

### 1978

6.20	Johanna Klier (DDR)
6.35	Ester Roth (ISR)
6.37	Deby LaPlante (USA)
6.39	Pat Van Wolvelaere (USA)

## 50 METER HURDLES

### 1978

7.08	Sabine Mobius (DDR)
7.12	Margrit Bartkowiak (DDR)
7.15	Annerose Fiedler (DDR)
7.16	Regina Beyer (DDR)

## ALL TIME

6.2	Annelie Ehrhardt (DDR)	1975
6.3	Jane Frederick (USA)	1977

Automatic Timing:		
6.20	Johanna Klier (DDR)	1978
6.35	Ester Roth (ISR)	1978
6.37	Debby LaPlante (USA)	1978
6.39	Patty Van Wolvelaere (USA)	1978

## ALL TIME

6.6	Annelie Ehrhardt (DDR)	1972
6.7	Karin Balzer (DDR)	1971
6.7	Grazyna Rabsztyn (Pol)	1976
6.7	Silvia Kempin (GFR)	1978

Automatic Timing:		
6.74	Annelie Ehrhardt (DDR)	1973
6.87	Annerose Fiedler (DDR)	1974
6.94	Teresa Sukniewicz (Pol)	1972
6.98	Ilona Bruszenyak (Hun)	1973
6.99	Johanna Klier (DDR)	1977

# INDOOR 1978

## 60Y HURDLES 1978

7.53	Deby LaPlante (USA)
7.54	Pat Van Wolvelaere (USA)
7.59	Ester Roth (ISR)
7.83	Jane Frederick (USA)

### ALL TIME

7.3	Jane Frederick (USA)	1977
7.3	Deby LaPlante (USA)	1977
7.4	Karin Balzer (DDR)	1970
7.4	Patty Johnson (USA)	1972
7.4	Johanna Klier (DDR)	1978
Automatic Timing:		
7.53	Deby LaPlante (USA)	1978
7.54	Patty Van Wolvelaere (USA)	1978
7.59	Ester Roth (ISR)	1978

## 60 METER HURDLES 1978

7.94	Johanna Klier (DDR)
7.95	Grazyna Rabsztyn (POL)
8.05	Silvia Kempin (GFR)
8.12	Tatjana Anisimova (USSR)
8.19	Margit Bartkowiak (DDR)
8.20	Sofia Bielczyk (POL)
8.21	Lidia Gusheva (BUL)
8.21	Elzbieta Rabsztyn (POL)
8.23	Elke Geist (GFR)
8.24	Bozena Swierczynska (POL)
8.25	Deby LaPlante (USA)
8.27	Gudrun Berend (DDR)
8.28	Ursula Schaluck (GFR)
8.29	Irina Litovchenko
8.29	Elvira Possekel (GFR)
8.30	Ginka Zagorcheva (BUL)

### ALL TIME

7.9	Valeria Bufanu (Rum)	1973
7.9	Grazyna Rabsztyn (Pol)	1974
7.9	Lyubov Kononova (USSR)	1976
7.9	Natalia Lebedyeva (USSR)	1976
Automatic Timing:		
7.90	Annelie Ehrhardt (DDR)	1974
7.94	Johanna Klier (DDR)	1978
7.95	Grazyna Rabsztyn (Pol)	1978
8.00	Bron. Movakovska (Pol)	1976
8.06	Silvia Kempin (GFR)	1978
8.08	Annerose Fiedler (DDR)	1974
8.08	Natalia Lebedyeva (USSR)	1976
8.12	Tatyna Anisimova (USSR)	1978

## HIGH JUMP

### 1978

1.95/6'4 1/4"	Sara Simeoni (ITA)
1.93/6'4"	Joni Huntley (USA)
1.93/6'4"	Brigitte Holzapfel (GFR)
1.925/6'3 3/4"	Debbie Brill (CAN)
1.90/6'2 3/4"	Jutta Kirst (DDR)
1.90/6'2 3/4"	Urszula Kielan (POL)
1.90/6'2 3/4"	Nadezha Marinyenko (USS)
1.89/6'2 1/2"	Marina Serkova (USSR)
1.88/6'2"	Andrea Matay (HUN)
1.88/6'2"	Milada Karbanova (CZE)
1.88/6'2"	Tatjana Gerasimenko (USSR)
1.88/6'2"	Mieke van Laar (HOL)
1.87/6'1 3/4"	Annette Harnack (GFR)
1.86/6'1 1/4"	Gabriele Hahn (GFR)
1.86/6'1 1/4"	Ludmila Butuzova (USSR)
1.86/6'1 1/4"	Erika Rudolph (HUN)
1.86/6'1 1/4"	Edith Samuel (HUN)

### ALL TIME

1.95/6'4 1/4"	Rosemarie Ackermann (DDR)	1977
1.95/6'4 1/4"	Sara Simeoni (Ita)	1978
1.93/6'4"	Joni Huntley (USA)	1978
1.93/6'4"	Brigitte Holzapfel (GFR)	1978
1.925/6'3 3/4"	Debbie Brill (Can)	1978
1.92/6'3 1/2"	Yordanka Blagoyeva (Bul)	1973
1.92/6'3 1/2"	Rita Kirst (DDR)	1974
1.91/6'3 1/4"	Cornelia Popa (Rum)	1977
1.90/6'2 3/4"	Milada Karbanova (Cz)	1974
1.90/6'2 3/4"	Erika Rudolph (Hun)	1977
1.90/6'2 3/4"	Ursula Kielan (Pol)	1978
1.90/6'2 3/4"	Nadhezda Marinenko (USSR)	1977

## LONG JUMP

### 1978

6.62/21' 8 3/4"	Jarmila Nygrynova (CZE)
6.55/21' 6"	H. Marie Wycisk (DDR)
6.54/21' 5 1/2"	Vilma Bardauskiene (USSR)
6.53/21' 5"	Idko Erdely (HUN)
6.53/21' 5"	Susan Reeve (GB)
6.52/21' 4 3/4"	Jacky Curter (FRA)
6.52/21' 4 3/4"	Karin Hanel (GFR)
6.49/21' 3 1/2"	Gina Panait (RUM)
6.49/21' 3 1/2"	Anke Weigt (GFR)
6.45/21' 2"	Anna Wlodarczyk (POL)
6.40/21' 0"	Doina Anton (RUM)
6.38/20' 11 1/2"	Irina Timofeyeva (USSR)
6.36/20' 10 1/2"	Sabine Everts (GFR)
6.36/20' 10 1/2"	Brigitte Kunzel-Wujak (DDR)
6.34/20' 9 3/4"	Galina Semyonova (USSR)
6.33/20' 9 3/4"	Jodi Anderson (USA)
6.33/20' 9 3/4"	Isabelle Keller-Lusti (SWI)

### ALL TIME

6.76/22' 2 1/4"	Angela Voigt (DDT)	1976
6.73/22' 1"	Tatyana Schelkanova (USSR)	1976
6.69/21' 11 1/2"	Meta Antenen (Swi)	1974
6.67/21' 10 1/2"	Heide Rosendahl (GFR)	1971
6.67/21' 10 1/2"	Tatyana Skachko (USSR)	1977
6.64/21' 9 1/2"	Lidya Alfeyeva (USSR)	1976
6.63/21' 9"	Jarmila Nygrynova (Cz)	1977
6.62/21' 8 3/4"	Ildiko Erdelyi (Hun)	1976
6.59/21' 7 1/2"	Marianne Voelzke (DDR)	1976
6.58/21' 7"	Brigitte Roesen (GFR)	1972
6.58/21' 7"	Diana Yorgova (Bul)	1973

## SHOT PUT

### 1978

21.26/69' 9"	Helena Fibingerova (CZE)
21.23/69' 7 3/4"	Margitta Droese (DDR)
20.01/65' 7 3/4"	Eva Wilms (GFR)
19.22/63' 0 3/4"	Elena Stojanova (USSR)
19.17/62' 10 3/4"	Svetlana Krachevskaya (USSR)
19.05/62' 6"	Tamara Bufetova (USSR)
18.98/62' 3 3/4"	Svetlana Melnikova (USSR)
18.74/61' 5 3/4"	Nina Isayeva (USSR)
18.63/61' 1 1/2"	Beatrix Phillip (GFR)
18.59/61' 0"	Maren Seidler (USA)
18.54/60' 10"	Cordula Schulze (DDR)
18.53/60' 9 1/2"	Helma Knorrscheidt (DDR)
18.49/60' 8"	Natalia Nosenko (USSR)
18.27/59' 11 1/4"	Mihaela Loghin (ROM)
18.23/59' 9 3/4"	Zdenka Bartanova (CZE)
18.08/59' 3 3/4"	Karin Fitzner (DDR)

### ALL TIME

22.50/73' 9 3/4"	Helena Fibingerova (Cz)	1977
21.23/69' 7 3/4"	Margitta Droese (DDR)	1978
21.12/69' 3 1/2"	Iona Slupianck (DDR)	1977
21.06/69' 1 1/4"	Eva Wilms (GFR)	1977
20.78/68' 2 1/4"	Ivanka Christova (Bul)	1976
	Nadyezhda Chizova (USSR)	1974
20.42/67' 0"	Marianne Adam (DDR)	1975
20.06/65' 9 3/4"	Esfir Krachevskaya (USSR)	1976
19.69/64' 7 1/4"	Raissa Taranda (USSR)	1976
19.59/64' 3 3/4"	Vera Tsapkalyenko (USSR)	1977

# QUALIFYING STANDARDS

EVENT	OLYMPIC GAMES	UNIVERSITY GAMES	AIAW	PAN AM GAMES & NATIONAL AAU SENIORS	NATIONAL AAU JUNIORS
100	11.3h 11.54e	11.60e	10.8y (11.04e) 11.8m (12.04e)	10.6y (10.84e) 11.6m (11.84e)	10.8y (11.04e) 11.8m (12.04e)
200	23.4h 23.64e	23.60e	24.2y (24.44e)- 24.1m (24.34e)	23.9y (24.14e) 23.8m (24.04e)	24.6y (24.84e) 24.7m (24.94e)
400	52.64h 52.74e	53.75e	55.4y (55.54e) 55.1m (55.24e)	54.3y (54.44e) 54.0m (54.14e)	55.6y (55.74e) 55.3m (55.44e)
800	2:02.8	2:01.0	2:11.8y (2:12.0e) 2:11.0m (2:11.2e)	2:07.5y 2:06.5m	2:12.0y 2:11.0m
1500	4:10.0	4:12.0	4:30.0h (4:30.2e) 4:50.0y (4:50.2e)	4:23.0 4:43.0y	4:34.0 4:54.0y
3000	X	9:08.0	9:56.0h (9:56.2e) 10:41.0y (10:41.2e)	9:40.0 10:25.0y	10:00.0 10:45.0y
5000	X	X	17:26.0 (17:26.2e) 16:47.0y (16:47.2e)	X	X
10000	X	X	36:50.0 (36:50.2e)	36:15.0	X
100mH 33"	13.4h 13.64e	13.55e	14.1h 14.34e	14.0h 14.24e	14.4h 14.64e
400mH	X	X	62.14e	62.0h 62.14e	62.0h 64.14e
HJ	1.86/6'1¼"	1.85/6'0¾"	1.75/5'9"	1.80/5'11"	1.74/5'8½"
LJ	6.40/21'0"	6.35/20'10"	5.84/19'2"	6.09/20'0"	5.79/19'0"
SP (4K)	16.60/54'5½"	17.50/57'5"	13.72/45'0"	14.17/46'6"	12.80/42'0"
DT	56.00/183'9"	56.00/183'9"	43.89/144'0"	47.24/155'0"	41.46/136'0"
JT	55.00/180'5"	56.00/183'9"	43.89/144'0"	47.24/155'0"	40.54/133'0"
PENT	4300h 4260e	4150	3680	3600h 3560e	3400h 3360e
400mR	NONE	NONE	47.0h (47.14e) 47.3y (47.44e)	46.5h (46.64e) 46.8y (46.94e)	47.5h (47.64e) 47.8y (47.94e)
800m MEDLEY	X	X	1:44.0h (1:44.2e) 1:44.5y (1:44.7e)	1:44.5 1:45.0y	1:46.5 1:47.0y
1600mR	NONE	NONE	3:48.0h (3:48.2e) 3:49.2y (3:49.4e)	3:47.0 3:48.2y	3:51.8 3:53.0y
3200mR	X	X	9:10.0h (9:10.2e) 9:13.0y (9:13.2e)	9:05.0 9:08.0y	9:13.0 9:16.0y
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SHARVET MCBRIDE PHOTOS

**SUNKIST MILE**



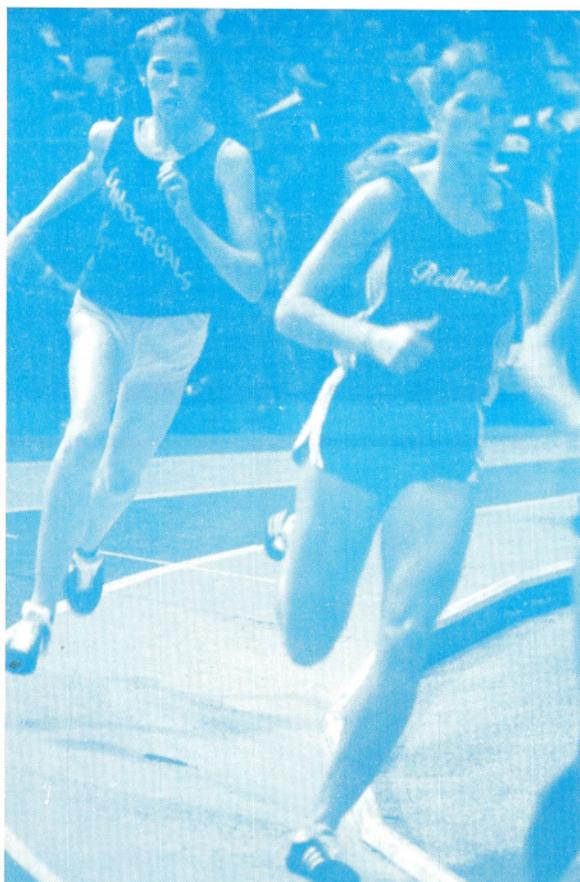
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Sunkist Mile winner Debbie Heald.



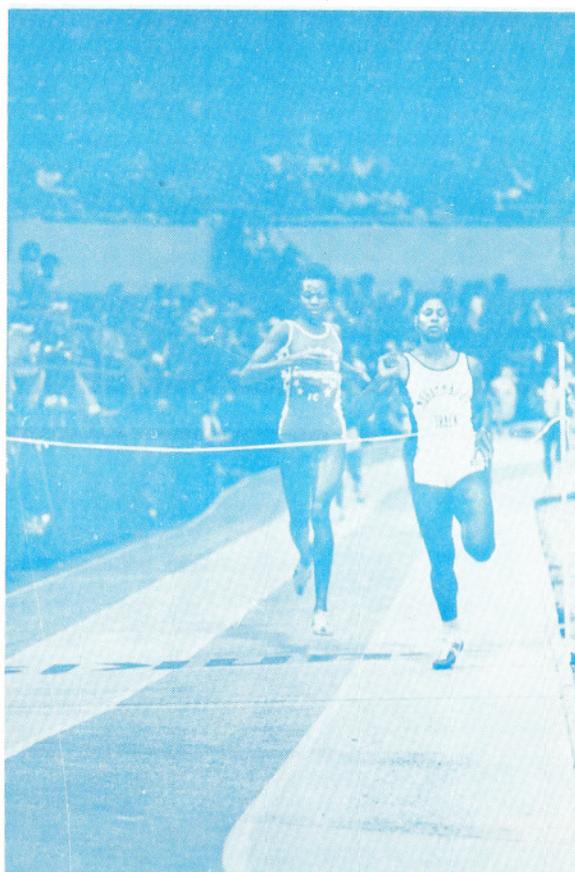
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Rosalyn Bryant advertising friend Muhammad.



STEVE McBRIDE PHOTO

Donna Fromme (Redlands) and Ann Regan (San Jose Cindergals) in Sunkist 880.



STEVE McBRIDE PHOTO

Rosalyn Bryant leads young Arlise Emerson in the Sunkist 440.

# CASEY'S COMMONWEALTH CAL-IDE-OSCOPE

**Wednesday, August 9 . . .**No Track today so I went to the Village. First I ran in to Carmen Ionescu and met her family. Then I went in for coffee and sat with Paul Olsen the Canadian javelin thrower and Commonwealth champion. I first saw Phil win the Canada games of 1975. He's attending school in Tennessee now and was very much interested in the idea of going to Taiwan . . . Then I met Beatrice Carolyn Delance and got a "Turks" pin for my collection. Talked to a few other athletes and caught a series of busses home. Found a note that Karen and Phil MacHarg had been here looking for me. Had dinner with Joan White-from England — she's leaving for Montreal tonight. Later Karen and Phil came back and we talked until after midnight about the growth of women's track and the possibilities for this magazine. Vince left for home today.

**Thursday, August 10 . . .** As I was entering the press rooms this morning, the girl at the Info Window called, "Casey — we have a message for you!" Now the reason we are given mailboxes is for messages, but I haven't had to go to mine all week — everyone seems to know me! Nice. In this case, an 800m runner from Kenya wanted to meet me in the snack bar later to get an application for the Taiwan meet. I gave Gael Mulhall of Australia one on the bus on the way to the stadium. Had stopped off at the Village where Mohinder Gill gave me a pin from India. I had told some of the press people that Lorna Boothe was sure to win the hurdles, and today in the heats and the semis she justified my confidence. She ran 13.49 in winning her heat today and I'm told that last week in the Pre-Games meet she ran 13.0. Lorna plans to compete in the USA next season so many of you get to see the hurdles form that amazed the crowd at last May's Pepsi Meet. Tecla Chemabwa with a bad cold took silver for Kenya in the 800m today, second to Judith Peckham of Australia, and another Aussie, Denise Boyd, won the 200m. One of my interviews today was with teenage hurdler Theresa David of Mauritius. She says they have track once a week in Secondary School with a "Reunion" meet once a year. Theresa doesn't take track very seriously, but wants to be a dancer and says her family encourages her in this . . . Tonight was the TFN banquet and Diane Jones Konihowski and Maeve Kyle were a great success. I sat with old friends from New York and saw many others from several countries, and Ed Fox drove me back to the motel . . .

**Friday, August 11 . . .** There is a young lady from Pakistan working at the motel

## PART 3 CONTINUED FROM DECEMBER ISSUE CASEY'S SUMMARY OF THE 1978 COMMONWEALTH GAMES EDMONTON, CANADA

desk and this morning she invited me to have brunch with her at MacDonald's. I used to sponsor a little girl in Pakistan (now grown up) through the Christian Children's Fund and I was very interested in hearing about Sabrina's girlhood there. (She has promised to send me some Pakistan stamps for my album) . . . Track didn't begin until afternoon today, so this morning a reporter from The Sun came out to the motel to interview me and sent me to the stadium in a cab. Found Mike Bailey waiting for me and he has pictures of *everyone*, including some good color action shots of Diane Jones Konihowski. Told Brian Uzzell goodbye today and that I'll see him in the Cayman Islands next June . . . Lorna Boothe of England won the hurdles as expected, but I got a surprise when Katrina Gibbs of Australia beat Debbie Brill and Julie White of Canada in the High Jump. And her Adelphi teammates can be proud of June Griffith, who took a bronze medal for Guyana in the long jump. After the 1500m heats I had an interesting interview. Little Mwinga Mwanjala of Tanzania was too shy to come alone, so her coach came with her. At first I would ask her a question and she would answer. After a few minutes she lost her shyness and began telling me about track in Tanzania. She says the girl athletes are encouraged by schools, coaches and family. Her coach says that this is getting better all the time and that at this year's African Championships this fact was evident. (Ed. Note: See our November Issue, p. 43.) . . . The last time I was in Edmonton, at least 25 years ago, cows were grazing where our motel now stands, but today, with the Games almost over, I learned that the Press is entitled to official transportation out here. After all the bus and subway rides! So I had a fast trip home tonight.

**Saturday, August 12 . . .** The sad day of saying goodbyes. Finally got together with Kim Robertson to give her the magazine I promised her at Mt. SAC last summer, our "First Issue" which has now become a collector's item. I hated saying goodbye again to Maeve Kyle — I'd done it before in Toronto, Christchurch, and Rome! Maeve is lobbying to get the women's pentathlon included in the Master's World Championships in Germany next summer . . . And now to pack. We get transportation to the airport tomorrow morning. Vince called tonight to see if I had anymore athletes lined up and I told him Hanna Afriye had found some Ghana sprinters for him. I dread going home to the piled up mail, but feel I have accomplished a lot for the magazine in the realm of public relations.



VINCE REEL

MAEVE KYLE

The giant crowd in the Olympic Track and Field Stadium becomes suddenly quiet. The runners approach their starting blocks. It is the first qualifying heat of the Olympic 200 meter dash. The announcer's voice rings out, "In lane 1 from the United States, Clancy Edwards; in lane 2 from the Union of Soviet Socialist Republics, Valery Borzov; in lane 3 from East Germany, Miss Marita Koch . . ."

It's not a mistake. Miss Koch has met the qualifying time for the men's 200 meter race posting the second fastest time in her nation's Olympic Games trials. So Miss Koch is running with the men. The crowd goes totally bonkers.

Will it happen in 1988, 1992?

Perhaps sooner. This author is sticking his neck out as follows: Women's times in the 100, 200 and 400 meters will approach men's times probably by 1980 and certainly by 1984. I predict that they will be running times in those events that are close to what the men's Olympic times were in 1976.

In the 100 meters women will be running within two-tenths of a second of the men's 1976 Olympic qualifying time.

In the 200 meters they will be running within five-tenths of a second.

In the 400 meters they will be running within one and a half seconds.

Impossible, you say. Wait a minute. Stay cool and look at the numbers. Here's what must happen for the women runners to get within two-tenths of a second of men's Olympic qualifying times in the 100, five-tenths in the 200, and one and a half seconds in the 400:

MEN'S QUALIFYING OLYMPICS 1976	WOMEN'S WR JAN. 1, 1979	PREDICTED WOMEN'S WR 1984 (1980?)	DIFFERENCE
100M 10.44	10.88	10.64	.24 SECS.
200M 21.04	22.06	21.54	.52 SECS.
400M 46.34	48.94	47.84	1.10 SECS.

In broaching this idea to track people for the last couple of years I have received many comments, some of them printable.

The usual arguments that are given against women being able to run with the men in the shorter distances are the following:

- 1) Women's bone structure is inferior to men's bone structure in relation to running quickly;
- 2) Men runners are naturally bigger and stronger than women runners so men can run faster than women.

The "structural" argument is very familiar to those of us who remember the "proofs" that human beings (men or women) would never be able to run a four-minute mile because of "structural" limitations.

This "structural" argument usually hinges (no pun intended) on the way the female hip bone is connected to the thigh bone and the thigh bone is connected to the knee bone, etc., ad nauseum.

The proponents of this structural no-no theory will be shown to have their mouth bone connected to their posterior bone as did their four-minute mile no-no structural theory predecessors.

Now let's examine the oft-heard statement that "men runners are naturally bigger and stronger than women runners so men can run faster than women."

First, let's examine the basic assumption in this argument: that size is the critical factor in running. We can do this by comparing the sizes of some of the best men runners over the past couple of Olympics. Secondly, we will compare the sizes of the most consistent world-class female and male runners over the same period.

# WOULD YOU

# BY

# 1984

BY JOHN FL

Let's start with the 100 and 200 meter sprints. The most consistent sprinters over the period encompassing the last two Olympics would seem to be Don Quarrie of Jamaica, Valery Borzov of Russia.

	HEIGHT	WEIGHT
DON QUARRIE	5'9"	154 lbs.
VALERIY BORZOV	6'0"	185 lbs.

In the U.S. the most consistent sprinters have included Steve Williams, 6'3" tall and Houston McTear, 5'7" tall.

In the 400 meters at Montreal in 1976 the winner was Alberto Juantorena, 6'2", 185 lbs. It takes a man of that size to run the 400 meters competitively, right? Wrong. The second-place finisher was Fred Newhouse, 5'9" tall, 148 lbs.

	HEIGHT	WEIGHT
ALBERTO JUANTORENA	6'2"	185 lbs.
FRED NEWHOUSE	5'9"	148 lbs.

The two best times ever recorded in the 800 meters up to and including the 1976 Montreal Olympics were by Alberto Juantorena and Rick Wohlhutter.

	HEIGHT	WEIGHT
ALBERTO JUANTORENA	6'2"	185 lbs.
RICK WOHLHUTTER	5'9"	130 lbs.

YOU BELIEVE

BY

84

FLYNN

In the distance races, Lasse Viren has reigned supreme in the last two Olympics. Viren weighs only 130 pounds but he's 5'11" tall. Obviously, height is a great advantage in long distance races, right? Wrong.

In the 1976 Olympics 10,000 meter run Lasse Viren finished first, Carlos Lopez finished second.

	HEIGHT	WEIGHT
LASSE VIREN	5'11"	130 lbs.
CARLOS LOPEZ	5'5½"	121 lbs.

I haven't emphasized the long distance races in this article because I think that women will match mens' times sooner in the sprints and because most people grant women eventual parity in the longer distances. Nevertheless, it might be of interest to look at the size of the marathon medal winners in the 1976 Olympics.

	HEIGHT	WEIGHT
WALDEMAR CIERPINSKI	5'7"	130 lbs.
FRANK SHORTER	5'11"	132 lbs.
KAREL LISMONT	5'7"	121 lbs.

The good little men seem to do as well as the good big men in running, from sprinting to long distance.

The next question: Are the best women runners within the size variations of the best men?

The most consistent women runners over the last decade have been Renate Stecher, gold medalist in 100 meters and 200 meters in Munich, silver medalist in the 100 meters and bronze medalists in the 200 meters at Montreal, and, Irena Szewinska, who won six Olympic Medals from 1964 through 1976, three of them gold.

Let's compare the most consistent woman sprinter over the last two Olympics with the most consistent men's sprinter.

	HEIGHT	WEIGHT
DON QUARRIE	5'9"	154 lbs.
RENATE STECHER	5'7"	154 lbs.

Irena Szewinska won the 1976 Olympics Women's 400 meter race; Fred Newhouse came in second in the Men's 400 meter race in 1976.

	HEIGHT	WEIGHT
IRENA SZEWINSKA	5'9½"	139 lbs.
FRED NEWHOUSE	5'9"	148 lbs.

CONCLUSION: Size is not critical in men's running. Some of the best women runners are as big or bigger than many of the best men runners.

Women will run with the men in the future because they will have equal training, much better competition than in the past, the best possible coaching and, possibly the most important thing of all, they will have a growing realization that they can run with the men.

The Los Angeles 1984 Olympics Organizing Committee had better start thinking about open competition between men and women by 1984.

Just as a footnote: I didn't mention the field events in this regard because the women appear to be a little bit further behind the men in these events, but here's a straw in the wind: the largest medal winner in the discus in 1976 Olympics was not Mac Wilkins, the men's discus Gold Medal winner but Maria Vergova, Women's Discus silver medalist, 258 lbs. to 256 lbs.

# RUNNINGS MC

## VICKI FOLTZ

BY Bruce Blizard  
Reprinted from "The Nor'wester"

"I'm not much of a planner," says Vicki Foltz. "And I won't live in the past. I live for today and tomorrow."

The small logging community of Sultan lies in the foothills of the Cascade Mountains about 40 miles east of Seattle. In a grove of alder and vine maple trees near Sultan lies a rustic sawdust running track. The track isn't used much these days. The underbrush has grown so thick a person jogging on the track cannot see from one side to the other.

In the late 1960's the track in the woods was the training venue of Vicki Foltz, at the time one of the best women distance runners in the world. At one time or another during the 60's and early 1970's Vicki was a member of five U.S. International cross country teams. She was the 1972 A.A.U. cross country champion.

She trained during the summer of 1972 with legendary Arthur Lydiard. She has a 1,500-meter PR of 4:23, run during that summer.

Despite all she has accomplished during her heyday as a competitor, Vicki speaks of those days with much the same detachment with which she speaks of her early childhood in post-war Yugoslavia.

She competes infrequently now, though still among the Seattle area's best. She was fifth in the first Sportswest Women's 10,000-meter run in 1977.

"In that race," she remembers. I still felt good with a mile to go. I smiled and waved at Doris (Heritage, a Falcon Track Club teammate and competitive contemporary) as I went by. That race was fun and I still ran pretty good."

Vicki grew up impoverished in post-war Yugoslavia. She left her homeland for the U.S. in 1962.

She subsequently met Don Foltz, after beating him in a swimming race. Since Don was (as he is now) fanatically interested in distance running, it was natural that Vicki began running and racing shortly afterwards.

"My life took a complete turnaround after I met Don," she said, her eastern European background still evident in her



VICKI FOLTZ

voice. "I idolized Don then. He was the first person I ever knew who really cared about me. He got me started running. I started pretty slow, but before I knew it he had me going at it pretty hard."

Don and Vicki were married in 1964. They moved to their present home in Sultan shortly afterwards. It was there that Vicki's training and racing began in earnest. She competed at the very highest level until shortly before the birth of her second child in 1974.

"I really enjoy being a parent," Vicki said, seeming almost glad to begin a discussion of her true calling in life. "When I was running all the time and training hard, I went to great lengths to make sure my son was well dressed and my house was clean. I wanted people to think I was a good mother and wife, not just a jock."

The first of the Foltz's two children, Forrey, was born in 1965. That means at the

height of her racing career, she also cared for a small child. Anyone who has been to the Foltz home, or met and talked to Forrey will realize at once he is no worse off for his mother's training and racing.

"I want to enjoy my kids," Vicki said. "They are only loaned to us for a short time. I want to get the most from them and give them as much as I can."

One thing she may have given her two children, as a result of her running, is a head start on extremely good health.

"I ran right up until the time both babies were born," Vicki reveals, noting the fact that on that score she was more than just a little bit ahead of her time. "With Forrey (in 1965) that was really unusual. There were actually people who thought I was going to hurt the baby somehow. But now they've found that the fetus lives off the same blood as the mother and will benefit from exer-

Continued on pg. 34

# MODERN MOMS!

## MARILYN HARBIN



MARILYN HARBIN

by Sharon Hatfield

She is a mother, a wife, a full time registered nurse and she runs the marathon. To run twenty six miles competitively takes a great deal of training time, especially if you are forty two and never competed in anything until you were thirty seven. This marathon woman is Marilyn Harbin who lives in Martinez, California. She is the wife of Bill Harbin, who coaches football at Alhambra High School in Martinez. She is the mother of three children; Prim, an 8th grader, Kurt, a high school junior, both active in sports, and Kim, the oldest, a high school graduate of two years.

Five years ago, while attending Diablo Valley College, Marilyn started jogging. "I found I enjoyed the experience, so I entered

a couple of races with the idea of finishing. My feelings at that time toward running were in the catch as catch can category, so my running tailed off until the spring of 1978. That spring I entered the Devil Mountain Run in Dublin, California, and finished third in the Masters Division over a 10 kilometer (6.2m) course." Doing so well whetted Marilyn's appetite for competition and she started a more definite training program on a semi-regular basis. "My training consists of regular runs of six to twelve miles with hill running and speed work interspersed. I try to get in four or five workouts a week." The hilly areas around Martinez offer her some challenging workouts as she often runs to the little town of Crockett, which is a nice up and down hill jaunt.

In competition she tries for a seven minute mile pace. "When preparing for a marathon I increase my workouts and mile-

age. I also use fartlek workouts."

Marilyn talks about her reasons for running and what competition means to her: "My running started out to be just for the sake of conditioning and the good feeling that it brings, but as I've become more competitive my running has taken on the dimension of improving my time. I run to improve," she emphatically states. "I refuse to dog-it. I compete against myself, the watch, and my fellow competitors." One goal this small blond woman has set for herself is a sub-three hour marathon.

By average standards Marilyn is of small body build, 5'1½", and running weight of 97 pounds. She feels her legs are too short, but that does not seem to hamper her running stride. A naturally friendly and outgoing person around those she knows, she can be shy and quiet around those she does not. She speaks in a soft, young voice, wrinkling her nose and turning pink over a compliment directed at her.

In addition to her running ability she has done well in her chosen career of nursing. She was picked out of her graduating class as one of two to take specialized Cardiac training at a San Francisco hospital. She also graduated in the top 5% of her class. At the present time Marilyn is working the night shift at Kaiser Hospital in Martinez, "so I can concentrate on my running during the winter." To her, nursing is just like running — there is no substitute for "work."

"My first marathon was in San Francisco and I surprised myself by running 3:31. I felt good most of the way, even though I had not trained as I would have liked." Taking heart in her time, Marilyn then trained harder for the upcoming Sacramento Marathon. On a hot dry course she took advantage of that training and won the Masters Division in 3:21. This time qualified her for the Boston Marathon. Marilyn felt total commitment to preparing for this biggest of all Marathons until she received literature from "The Boston", which she found discouraging rather than encouraging. The letter she felt was negative to all but the top runners and at this writing does not plan to make the trip to Boston.

Continued on pg. 35



MIKE BAILEY PHOTO

# A LITTLE GIRL TR

BY MIKE E

In Trail, British Columbia, winters are harsh and summers are hot. Curiously, coach Willi Krause chose to settle in this mining town upon emigrating from Germany where he had practiced his trade since 1934. Many generations of athletes have come and gone since then and during his stay in Trail, that town has produced many more good athletes than its population would indicate. In the early 1960's former Canadian record holder in the high jump, Diane Gerace was trained by Krause. She was one of the first Canadian women to make use of weight-training in her workouts. (For want of proper equipment, she used to carry her coach on her back up flights of stairs.) In more recent years, he trained pole vaulter Gerry Moro and hammer thrower Tony Tenisci. Now he's training a young girl who may be the best Canadian athlete he's ever coached. Although he characterizes Theresa Lenardon as "just a little girl", she stands 5'7 $\frac{3}{4}$ " and weighs 144 lbs. Blessed with superior strength and very quick reflexes, Theresa is training for the pentathlon.

Theresa, a student at J.L. Crowe High School, started to gain attention when she broke Brenda Eisler's age class Canadian record in the long jump in 1977 when she had just turned 16. Later that spring, being one of the youngest competitors at an Alberta-B.C. junior meet did not show in her performances. Representing British Columbia, she won the long jump, 100m hurdles and competed in the high jump and on the province's 4x100m relay. Later in 1977, she jumped 5.98/19'7 $\frac{1}{2}$ " to win the long jump at the Canada Games which is a national junior meet held every four years. She also won the long jump at the First Junior Tri-Track and Field meet held at



# A GIRL FROM TRAIL

MIKE BAILEY



MIKE BAILEY PHOTO



MIKE BAILEY PHOTO

UCLA in California with a leap of 5.99 19'7 $\frac{3}{4}$ ". She also scored over 3800 points in the pentathlon during 1977.

Because of the harsh winters and the lack of a proper field house in Trail, Theresa's winter training is confined to working out with weights and she must wait until spring to do any serious outdoor work. Unfortunately, in early 1978 she pulled a hamstring and had to sit out for a month. Despite this setback she competed in the provincial high school championships held June 2 and in Burnaby, B.C. (This meet attracts about 1,500 competitors from British Columbia and Washington.) Although this was her first meet in a month and she still has one year of high school eligibility remaining, she won the high jump, just missing breaking Debbie Brill's meet record, placed 4th in the shotput (10.73/35'2 $\frac{1}{2}$ "'), won the 100m hurdles (14.66s), and was second in the long jump (5.68/18'7 $\frac{3}{4}$ "'). She also competed in the 100m and the 4x100m relay. There is no pentathlon event at this meet. On June 17-18, she competed in the pentathlon in Richmond, B.C. and scored 3,922 points (14.5 100mH, 10.94/35'10 $\frac{1}{4}$ "' SP, 1.77 5'9 $\frac{3}{4}$ "' HJ, 5.64/18'6" LJ, 2:33.3 800m). A sprained ankle kept her out of the Commonwealth Games Trials, but later in the summer she entered the Junior Nationals where she won the pentathlon and was second in the long jump and 100mH.

The best performances of this girl who turned 17 in March 1978 are: 6.00/19'8 $\frac{1}{4}$ " LJ, 1.77/5'9 $\frac{3}{4}$ " HJ, 14.3 100mH, 10.98/36'0 $\frac{1}{4}$ " SP, and 2:28.3 800m. In 1979, Theresa hopes to compete in the Pan-Am Games. In subsequent years, her goals are to be on the Canadian team for the 1980 Olympics and the 1982 Commonwealth Games.

# WOMEN'S TRACK WORLD



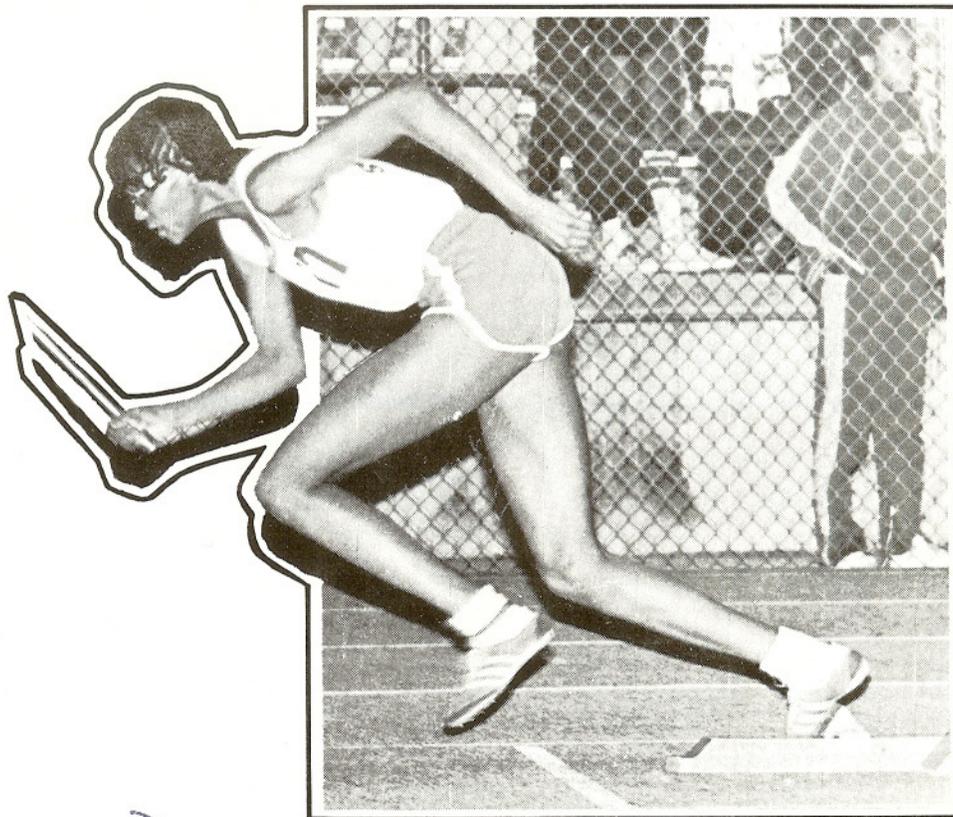
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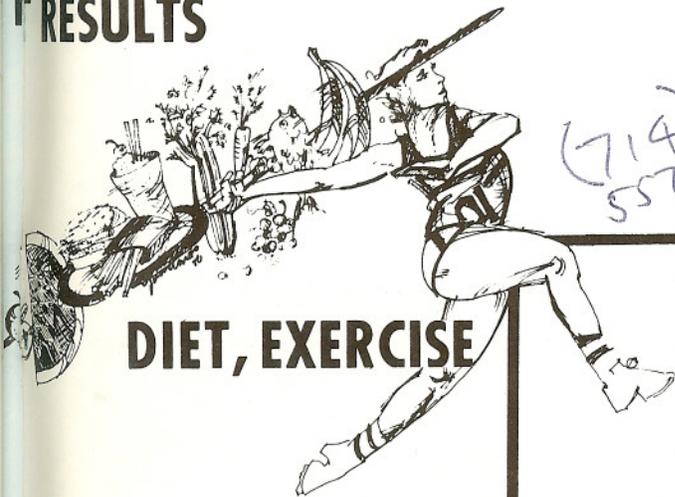


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Pam Jiles wins 400 at the Muhammad Ali Meet in 54.2 over Morgan State's Paulette Clagon (54.7) and LA Naturite's Valerie Briscoe (55.2). Others are Prairie View's Patrice Jackson (55.6) and Gwen Gardner (56.4). (DON CHADEZ PHOTO)



DON CHADEZ PHOTO

# LARRIEU RETURNS

Long Beach, California, January 6: Once-banned Francie Larrieu made her return to amateur track a successful one as she swept past Wendy Knudson in the last 180 meters of the featured 800m run at the Second Annual Muhammad Ali Indoor Meet, winning in a fine early season clocking of 2:05.4s. Larrieu, running off the pace for the major portion of the race, stormed around the next to last bend and blasted past leader Knudson to run evenly paced 63 second quarters. Others in the field included AIAW champ Kathy Weston and runner-up Lee Ballenger plus Fresno's Marcia Romesser.

Most convincing win of the evening was by former world indoor mile record-holder Debbie Heald in the 1500 meters. Heald took off with the gun and never slowed down, winning by ten seconds in 4:17.2s.

Heald had splits of 64, 2:13.5 and 3:26 on her way to her win in spite of having to run around stray athletes on the track wandering around during the race.

Deandra Carney upset Tennessee's Brenda Morehead and Sweden's record-holding Linda Haglund in the 60m sprint, winning in 7.32, same time as Morehead and a tick ahead of Haglund who complained afterward about the "American starters". It seems Haglund had not yet moved into the "set" position when the gun was fired.

Pam Jiles won the 400 over a good field in 54.2 and Kathy McMillan edged Guyana's June Griffith to win the long jump 20'8 to 20'6¼. Prairie View won the 1600m relay over a fine field in 3:39.2s.

**RESULTS: 60m**, 1-Deandra Carney (LAM) 7.32, 2-Brenda Morehead (TSU) 7.32, 3-Linda Haglund (Sweden) 7.51, 4-Rhonda Brady (Arizona State)

7.53; Second section, 1-Alice Brown (LAN) 7.52, 2-Dollie Fleetwood (Mt. San Antonio College) 7.57, 3-Brenda Calhoun (Arizona State) 7.58, 4-Jeanette Bolden (LAM) 7.71. **400m**, 1-Pam Jiles (New Orleans Superdames) 54.2, 2-Paulette Clagon (Morgan State) 54.7, 3-Valerie Briscoe (LATC) 55.2, 4-Patrice Jackson (Prairie View) 55.6, 5-Gwen Gardner (LAM) 56.4, (Clagon led at 200 in 25.7); **800m**, 1-Francie Larrieu (PCC) 2:05.4, 2-Wendy Knudson (Athletes International) 2:07.8, 3-Kathy Weston (Oregon State) 2:09.7, 4-Lee Ballenger (Colorado) 2:10.1, 5-Marcia Romesser (Fresno Pacific TC) 2:11.9, (Knudson led in 30.0-62-1:34.7); **1500m**, 1-Debbie Heald (Un) 4:17.2, 2-L. Clark (Atoms) 4:27.2, 3-Michelle Bush (Rolling Hills HS, Cal) 4:30.4, 4-Susan Vigil (New Mexico) 4:32.6, 5-Judy Graham (SFVTC) 4:32.8, 6-Ann Regan (SJC) 4:44.9; **1600m Relay**, 1-Prairie View (Melrose 56.3, Kelly 53.5, Dudley 55.7, Jackson 53.8) 3:39.3, 2-Morgan State 3:40.9, 3-LA Mercurettes 3:43.0, 4-Atoms TC 3:43.4, 5-Colorado Flyers 3:49.9, 6-Arizona State University 3:59.3 (Fell); **LJ**, 1-Kathy McMillan (TSU) 20'8, 2-June Griffith (Adelphi) 20'6¼, 3-Gwen Loud (LAM) 19'¾, 4-Roxanne Keating (ASU) 18'9¼.

# WITH ALI WIN



DON CHADEZ PHOTO

Wendy Knudson takes an early lead over Kathy Weston and eventual winner (2:05.4) Francie Larrieu at the Muhammad Ali Indoor Meet. (DON CHADEZ PHOTO)

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# YOUR TRAINING "PERIOD"

by **RANDY DUNLEVIE**

Is it necessary to suffer from menstrual cramps while training for competition? Plans and hopes can be spoiled by the symptoms and inconvenience created by this monthly occurrence. Pointing toward an important meet is difficult enough without the added problems of a seemingly unavoidable predicament, putting any woman at a disadvantage.

What is the single cause, if there can be only one cause, of menstrual cramps? Many researchers and doctors share in a number of possible explanations. But one of the most recently published articles attributes menstrual cramping to a class of compounds known as prostaglandins. As the name implies they were originally found in the prostate gland tissue. But more research has revealed their abundance in many tissues in both men and women. They were named by a Swedish physiologist, U.S. von Euler, in the 1930's. In small quantities they were found to lower blood pressure and stimulate smooth muscle contraction.

Prostaglandins are derived from essential fatty acids which make up the adipose tissues in our bodies. Because they act as inflammatory agents in many areas of the body, aspirin is recommended as a remedy for ailments such as muscle aches, joint discomfort, and mild arthritic pain. (Runners World, Dec. 1978). However, aspirin only partially relieves the pains from moderate menstrual cramping.

As I mentioned earlier, prostaglandins are known to stimulate smooth muscle contraction. When a woman suffers from cramping it is because the uterus, a smooth muscle tissue, is contracting in the form of spasms.

In this year's March issue of *Prostaglandins* two researchers showed that two specific prostaglandins, PGE and PGF are the principle prostaglandins in the endometrium and that their concentration levels are raised three to five fold during the post-ovulatory phase of the cycle; the 14 days prior to the start of your period. The study also showed that the postovulatory increase of PGE and PGF is much more pronounced in women suffering from severe menstrual cramping than in women considered to have a normal period — in most cases five times more pronounced. Blood tests showed that the PGE and PGF metabolites (chemical "leftovers" from prostaglandins that have been transferred through the bloodstream to the uterus) were in higher levels in the women suffering from painful cramping than in women who didn't suffer from painful cramping.

Another recent publication in this year's

June issue of *Prostaglandins* showed that Ibuprofen, a drug known to inhibit prostaglandin synthesis, significantly reduced the level of prostaglandin in the uterus and at the same time provided substantial relief from cramps.

This evidence suggests a strong relationship between the presence of prostaglandins in the uterus and menstrual cramping. It also suggests that reducing the level of prostaglandins in the uterus provides women with some relief from menstrual cramps.

Because prostaglandins are derived from adipose tissue one could assume that if the amount of fat in our bodies was reduced to a minimum, the amount of prostaglandins in the system would be reduced to a minimum. A minimum of fat is critical to both men and women — 10 to 15 percent of the body weight in men and 15 to 20 percent in women. Fat provides for energy requirements and for insulation in the retention of body heat. Because men generate more body heat they require less body fat. When this minimum amount of fat is exceeded, the excess can be used for unnecessary metabolic activity. It becomes mobile within our body.

Another recent article published in the *British Journal of Obstetrics and Gynaecology* by Knuth, Hull, and Jacobs stated that self imposed weight loss was the single most common factor responsible for the absence or loss of menstruation. And in 1974 Frisch and McArthur explained that "weight changes associated with the cessation and restoration of menstrual cycles are in the range of 10 to 15 percent of body weight . . . If a minimum of stored fat is necessary for normal menstrual function one would expect that women who live on marginal diets would have irregular cycles."

I recall some time ago an article in *Running* revealing an interesting fact that many top women competitors had very few periods throughout the year. And after talking with Cindy Poor, a top class middle distance runner, I discovered that many top women competitors have no periods at all! Many had consulted their physicians and found that a weight gain program and reducing their training would help them to resume their cycles.

Sharon Hatfield, a staff writer, for WTW, has coached girl's track and cross country in Oregon for 10 years. She has categorized her runners into three general types. The first type prefer to accept the fact that they cannot train during their period. The second type will attempt to reduce the symptoms through the use of light exercise and physical therapy. And the third type trains through their period with relatively

no difficulty.

But if you are having some difficulty with your training 'period' go see your doctor and ask if he/she has any suggestions. You must remember that many symptoms you suffer from won't be associated with prostaglandins and you might not benefit at all by training harder or becoming more lean. Each of you are individuals and you will all respond differently to the same preventive measures.

An Editorial—

## Doping Allegations

What price have East German athletes had to pay in terms of their own health and self-respect to create the GDR athletics miracle? Mass participation, good facilities, sophisticated training methods, advanced sports medicine, and high incentives in the form of state-accorded privileges have all contributed to the dramatic rise of the GDR (population of less than 20 million) to the status of an athletics super-power alongside the USA and the USSR, each with a population more than ten times greater. However, admiration for the achievements of East German athletes has long been tinged with doubts in the minds of those — like myself — who feel their success is altogether too remarkable, particularly in the case of their women athletes, who almost without exception summon peak form on just the day it is needed most . . . at a major championship.

The East Germans' strenuous denials that drugs play any part in their methods were seen to be false when shot-putter Ilona Slupianek was caught out in the steroid tests at the 1977 European Cup Final (it's hardly likely that in such a well-ordered society Frau Slupianek would have been taking drugs purely on her own initiative).

A further indication that doping could be an integral part of the training process has come with the recent revelations of sprinter Renate Neufeld (20) who defected from the DDR to West Germany a year ago. According to a statement transmitted by the West German sports news agency, S.I.D., on December 27th, Renate claims she was ordered to take hormone tablets (which, when analysed in West Germany, were identified as anabolic steroids) when she was just 18 and being groomed as a potential international.

"We were given two sorts of tablets for two weeks, two or three had to be taken daily. Then we stopped for ten days and after that the cycle began again". The tablet brought on unpleasant side effects: her legs grew in size and the muscles hardened, causing her pain; she developed a light moustache; her voice deepened; and she missed menstrual periods. Renate said she only agreed to take the tablets because of fear of reprisals, but because of the side-effects she refused — in May 1977 — to take any more. Her subsidies as an athlete were withdrawn, and that, she said, was just

a warning. "If I did not basically change my attitude, neither outstanding sports performances nor a very good final educational qualification would be any help". She added that in October 1977 two men in plain clothes arrived at 6 am at her accommodation at the TSC Berlin club and took her away for interrogation. Two months later she and her Bulgarian fiance, now her husband, managed to flee to the west. Following her defection, Renate's father lost his job as an English teacher at a sports school and remains out of work, while her 16-year-old sister, a talented handball player, had to leave both her school and her club.

The day after the allegations were published, Renate's club in East Berlin issued a denial that any athlete had ever been forced to take drugs, but chose not to comment on the question of whether athletes were given hormone treatment.

Particularly disturbing, if one accepts Renate's account, is the extent to which drugs must be used in the GDR. For, although a promising athlete, Renate was nowhere near the top in her events. During 1977, her bests of 12.29 for 100m and 24.27 for 200m ranked her only 43rd and 28th respectively in the nation that season.

**Mel Watman**  
Editor

Reprinted from "Athletics Weekly" England

## FLASH! MILE RECORD

### TO MARASESCU 4:22.1

Natalia Maracescu of Rumania trimmed her own world mile record to 4:22.1 in Auckland on January 27.

In another late development, Hungary's small (5'8¼/115) Andrea Matay equalled the Ackermann-Simeoni indoor high jump record with a hop of 6'4¼.

## IAAF CRACKS DOWN ON ASIAN NATIONS

The International Amateur Athletic Federation has suspended those nations who participated in the Asian Games in Bangkok last December. At the IAAF Congress in Puerto Rico last year, the IAAF notified the Asian nations that they would face suspension if they did not invite all members of the Asian Games Federation to take part in the 8th Asian Games as decreed in the IAAF constitution. The crux of the situation was bought about by the fact that some Arab nations were providing the funds to enable the AGF to stage the Games and one of their stipulations was that the AGF would not invite Israel, a regular member.

The Games were held and Israel was not invited and for once the IAAF is sticking to its rules and the suspension has resulted. First evidence of the suspension came

when the meet management of the Sunkist Invitational received a telegram from the IAAF notifying the meet management that Japan had been suspended and their athletes, who were present at the meet, could not take part.

How long the suspensions will hold and what the suspended nations must do to be reinstated is still not known, but we applaud the IAAF for actually carrying out their constitutional requirements.

## CHI CHENG CHINA'S "WOMAN OF THE YEAR"

Chi Cheng who still holds world records for the 100 and 220 yard dashes, has been voted "Woman of the Year" for the Republic of China for her accomplishments as Secretary-General of the ROC Track and Field Association. Chi, WTW World Athlete of the Year in 1969 and 1970 and Associated Press' "World Athlete of the Year" in 1970, has brought the Taiwanese track and field sport from practically zilch to one of the most popular sports in the nation. Not only have performances risen remarkably under her direction, but the number of performers has gone from a few hundred to literally thousands. Her fight against the bureaucracy of the IAAF has endeared her to the hearts of the Taiwanese. All these things plus her personality has made her the most popular woman in the Republic of China.

## MERRILL EDGES LARRIEU IN OLYMPIC 1500

New York, NY, January 20:

Jan Merrill edged Francie Larrieu in the featured 1500 meter run to highlight the Olympic Invitational Meet at Madison Square Gardens. In the other feature, Joetta Clark of South Orange, New Jersey, downed a fine field of 800m runners, including Merrill, with a time of 2:06.6.

**RESULTS: 55m**, 1-Brenda Morehead (TSU) 6.83, 2-tie, Pat Dunlap (South Jersey TC) and Maria Parsons (Morgan State) 6.94, 4-Frieda Nichols (DC Int) 7.05, 5-Rhonda Brady (TSU) 7.08; **800m**, 1-Joetta Clark (South Orange, NJ) 2:06.6, 2-Charlotte Brady (DC Int) 2:06.8, 3-Essie Kelley (PV) 2:07.8, 4-Karel Jones (Atoms) 2:08.4, 5-Jan Merrill (AGAA) 2:08.8; **400m**, 1-Gwen Gardner (LAM) 55.1, 2-tie, June Griffith (Adelphi) and Edna Brown (Temple) 55.6, 4-Robin Campbell (U Florida) 55.9, 5-Patricia Jackson (PV) 56.0; **1500m**, 1-Jan Merrill (AGAA) 4:14.1, 2-Francie Larrieu (PCC) 4:16.4, 3-Mary Purcell (Ireland) 4:17.3, 4-Cindy Bremser (Wisconsin United) 4:18.3, 5-Margaret Groos (Virginia) 4:26.7; **1600mR**, 1-Prairie View (Melrose-Kelly-Dudley-Jackson) 3:43.6, 2-Atoms TC 3:44.3, 3-DC International 3:45.9, 4-Morgan State 3:49.3.

## LARRIEU 4:29.7 MILE

College Park, Maryland, January 12:

Francie Larrieu came close to her world record for the indoor mile when she sped the 8 furlongs in 4:29.7 to highlight the CYO Invitational. Brenda Webb of Tennessee was ten seconds back in the runner-up position. Mexico's Charlotte Bradley, after a couple of years of inconsistency due to injuries, whipped a good field in the 880 to score a 2:06.6 victory.

**RESULTS: 60H**, 1-Fitzgerald (Garfield HS, Va) 7.95, 2-Girven (Md) 7.97, 3-Deanna Johnson (Wonder-wear) 8.25, 4-Carmen Brown (Atoms) 8.28; **60**, Maria Parsons (Morgan State) 6.93, 2-Nichols (DCI) 6.97; **440**, 1-Farmer (Flashettes) 56.6, 2-Brinkley 57.0, 3-Sharon Dabney (Un) 57.5; **880**, 1-Charlotte Bradley (DCI) 2:06.6, 2-Jones (Atoms) 2:08.0, 3-Campbell (Santa Fe CC, Fl) 2:10.0, 4-Ellen Wessinghage (West Germany) 2:10.5, 5-Clark (Col HS, NJ) 2:12.6; **Mile**, 1-Francie Larrieu (PCC) 4:29.7, 2-Brenda Webb (Tn) 4:39.5, 3-Julie Shea (NCST) 4:40.4, 5-White (WRC) 5:57.0; **MileR**, 1-Morgan State 3:45.8 (Belle 58.2-Coleman 55.7-Paula Clagon 56.6-Paulette Clagon 55.3), 2-Atoms 3:47.7, 3-DCI 3:48.7, 4-Flashettes TC 3:52.4, 5-Maryland 3:55.3.



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## JACK'S ATHLETIC SUPPLY

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## VICKI FOLTZ *cont'd.* from page 24

cise the same as the mother.

"In 1965 I was kind of a pioneer in that way, but now it's not quite so unusual. Don and I were one of the first couples to use natural childbirth. I have never dreaded being pregnant. I don't mind it at all. In fact I loved every minute of both my pregnancies and births."

Which brings us to the other important factor in Vicki's life, her husband Don.

Don Foltz can best be categorized as a chronic "doer". The track in the woods is a tribute to Don Foltz' do-it-yourself ability.

"I just got tired of climbing fences or driving a long way to get to a track," Don explained. "So I decided we'd build our own track."

The track is situated literally at the back door of the Foltz home. It is connected to another trail through the woods that winds for more than a mile through the 20 acres behind the house.

"The track was originally a matter of logistics more than anything else," Don went on. "We had a small baby to care for and it took more than an hour to drive to Seattle. If we didn't have the track we'd have had some serious problems with Vicki's training. As it turned out, she could check on the baby each time she jogged by the back door."

Vicki credits Don with rescuing her from

the top floor of the Saint Louis Salvation Army building where she had a "job" stuffing envelopes with junk mail. She was working part-time there shortly after she arrived in this country.

Don became her coach and she quickly rose to national and international prominence as a distance runner.

"Don used to make me work so hard," Vicki recalls, teasing her husband with mock bitterness. "The workouts were very hard! In those days there was no such thing as LSD (Long Slow Distance). It was all hard work. I'd be out there in the woods and the tears would be mixing with the rain and Don would just sulk."

"If I had a bad workout, I'd sit on the back steps sobbing my heart out into an old sweatshirt and he'd just mutter and look at the workout sheet."

"It was all intervals. I remember one time when Doris and Trina Housme (another Falcon T.C. teammate) came up here to Sultan to run. We ran a seven-mile course and I had to keep apologizing because the longest I'd ever run before was about five miles."

"Even with all the hard work though, I think Don was a great coach. I think he was a little ahead of his time then. I still think he's a great coach now, but no one appreciates him."

Vicki has returned to active running again, this time as the coach of the Sultan High

School boys' and girls' cross country teams, a position Don once held, in addition to his job as a counselor at Sultan High.

"I don't think I could ever go back to training that way again," Vicki says firmly. "Sometimes in those days I just wanted to go out for a run and look at the sunrise. I can do that now. I've always loved running here with the trees and the mountains. I don't think I could have done all that hard work on a cinder track in the city."

Vicki insists running will always play an important part in her life. But now she worries less about next week's race, concerning herself more with the joys of today's easy run.

"You have to stay young," she said, becoming suddenly pensive. "That doesn't mean you have to be immature or irresponsible. You have to think young and enjoy life."

"I had a hard time when I was a child in Yugoslavia. But what good would it do me to be bitter, to spend the rest of my life trying to make up for my past. First things come first. I have a home and a family."

"I had a teacher in Yugoslavia who said I was born under a lucky star. With some of the things I've been through and the way things have worked out, it made me wonder if he wasn't right. Sometimes I wonder how God let me get this far."

"I'll always remember my past, but I won't live in it."

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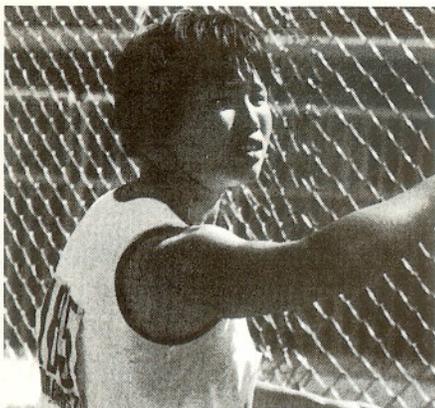
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## CHINA DOMINATES ASIAN GAMES THAILAND—

Perennial Asian power-house Japan was practically shut out at the 8th Asian Games, winning only one event, the 4x400 relay while new member the People's Republic of China swept gold in all field events, both hurdles, the 100 meters and the pentathlon. Another new member, North Korea, won three events while Thailand, India and Malaysia each picked up one gold.

The performances, except for the sprints and hurdles, were very high for the Asian area, especially in the field events where it took 6'2 to win the high jump, 20'7¼ for the long jump win and weight event performances of 58'1, 183'5 and 187'9 for the golds.

**RESULTS:** 100, 1-Ya Pin-vin (PROC) 12.20, 2-Yakiko (Jap) 12.21, 3-Lao Oink-arn (Tha) 12.22; 200, 1-Lao Pink-arn (T) 24.81, 2-Lee Eun Yu (SK) 24.99, 3-Koshibuchi (J) 25.05; 400, 1-Shaik (Mal) 55.08, 2-Nagasawa (J) 55.74, 3-Kao Yengching (PROC) 56.23; 800, 1-Zutshi (India) 2:07.7, 2-Jung Dong-Sun (NK) 2:07.9, 3-Jung Yung Ae (NK) 2:08.3; 1500, 1-Ok Sun Kim (NK) 4:18.9, 2-Gitz Zutshi (In) 4:29.2, 3-Yune Ran Choi (NK) 4:33.3; 3000, 1-Kim Ok Sun (NK) 9:24.1, 2-Lu Hung-Hsiang (PROC) 9:35.1, 3-Yang (PROC) 9:36.0; 100H, 1-Tai Hsien-hua (PROC) 13.98, 2-Moteki (J) 14.23, 3-Li Chien (PROC) 14.55; 400H, 1-Hsin-chen (PROC) 61.32,

CHAI PHOTO



KIM OK SUN  
NORTH KOREA WINNER  
1500 (4:18.9) 3000 (9:24.1)

2-Su Lan-li (PROC) 61.89, 3-Kigushi (J) 62.09; 4x100, 1-North Korea 46.20, 2-Japan 46.78; 4x400, 1-Japan 3:46.29, 2-PROC 3:46.87, 3-NK 3:48.78; HJ, 1-Chen Ta-cheng (PROC) 6'2, 2-Tamami (J) 5'11¼, 3-Wen Chin (NK) 5'11; LJ, 1-Tsou-wa (PROC) 20'7¼, 2-Joseph (India) 19'10¼, 3-Awara (J) 19'10¼; SP, 1-Shen Li-chuan (PROC) 58'1, 2-Cheng-lu (PROC) 54'10¼, 3-Hayashi (J) 51'1¼; DT, 1-Li Hsiao-hui (PROC) 183'5, 2-Tsien-kuo (PROC) 168'0, 3-Takahashi (J) 154'11, JT, 1-Jui Ying-yan (PROC) 187'9, 2-Shibusana (J) 180'4, 3-Hsca-li (PROC) 177'5; Pentathlon, 1-Yeh Pei-su (PROC) 4133, 2-Joseph (In) 3837, 3-Kuo-yu (PROC) 3829.

## MARILYN HARBIN cont'd. from pg. 25

As the year has progressed so has Marilyn. She won the Schlitz Lite 10,000 in San Francisco, then was second in the Pepsi 20 Miler run. Marilyn recently won the Masters, "Run For the Cookies" 10k in Oakland. She is planning to enter several other Bay area marathons in the near future where she feels there is good competition available to her on a regular basis.

The other Harbins are very supportive of the "family runner." Everyone digs in to make it a little easier on "Mom" who leaves the family home in warm-ups and running shoes for a fourteen mile run and returns to emerge in the white uniform of a registered nurse for an eight hour night duty schedule. The whole family says they are happy with the arrangement of "Mom" cheering for them on Friday night when Dad coaches and Prim and Kurt compete, and they cheer for her on the weekend run. "Turnabout's fair play."

# WE'RE OFF AND RUNNING

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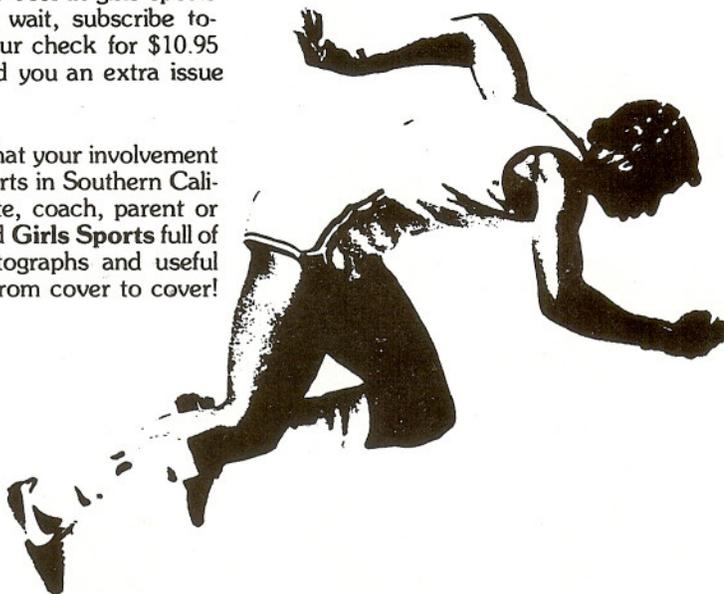
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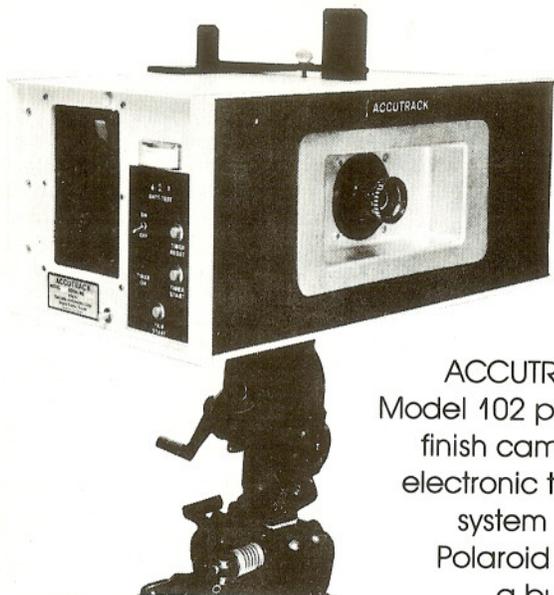
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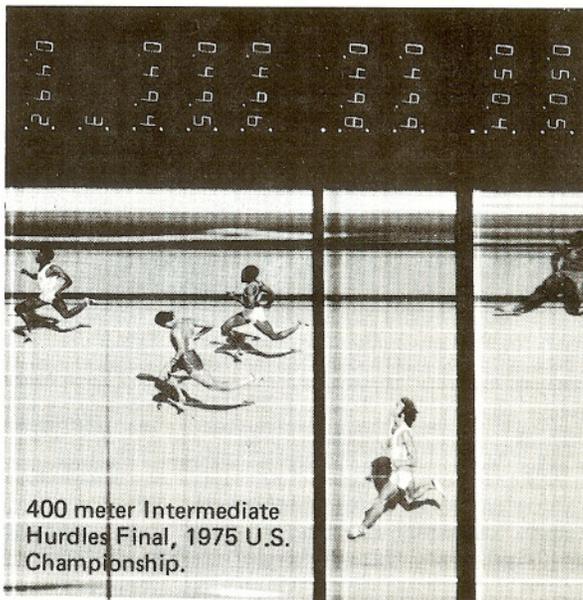
quartz crystal electronic clock and an infra-red light beam unit to provide track officials with the ultimate in state-of-the-art timing of track events. The winner's photo finish and official electronic time are automatically recorded on Polaroid film. Other runners are also recorded on the same film in a similar manner. After the race, normal Polaroid development time provides officials with one photograph showing the runners in finishing order with their respective electronic times accurate to 1/100th of a second displayed right on the film.

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*4X5-inch Polaroid film reproduced actual size showing interrupted filming action.*



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