

TRACK & FIELD NEWS

11 August 1974

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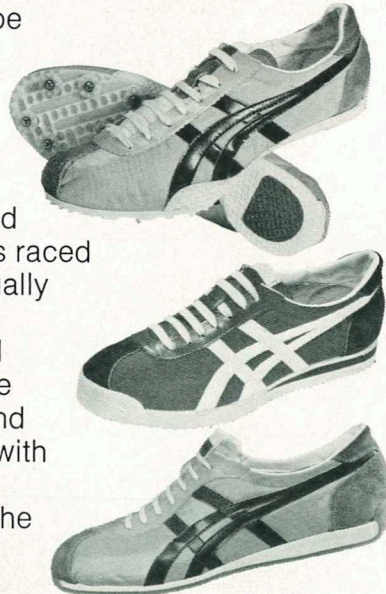


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IN THE TRACK & FIELD MARKET PLACE

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UP FRONT

There seems to be no stopping Bruce Jenner this year. His season-opener of 8240 was great, but since then he has raised his best to 8245, and now a super 8308 against the USSR and West Germany.

A State of Mind



Chip Gane

How do athletes like Steve Prefontaine, Jim Crawford and John Hartnett peak mentally to compete? There are as many ways as athletes.

Some stand and stare. Some grimace. Some sway like a mesmerized cobra. Some grunt and wheeze like a surfacing whale. Some are sullenly withdrawn. Some are clownishly outgoing.

Others look, act and feel like nothing unusual is happening to them. It may be the biggest competition of their lives, but sometimes the only reaction they show is a very obvious yawn.

The ways in which athletes reach, and reflect, mental readiness for competition vary probably with the number of athletes in track. Every athlete is different; so is his or her way of psyching up, of reaching that highest peak of mental readiness, when the power of the mind and the power of the body are fused into action.

And for every athlete, there is a unique method—whether it is talking, remaining calm, thinking of past successes, carrying out a special ritual, or doing nothing. For some there is even yoga or transcendental meditation.

Indeed, there are both wills and ways. To find out how some ways affect some wills, and vice versa, *T&FN* polled a cross-section of leading athletes, college and open, native and foreign.

Of course, it was not unanimous that psyching up was even necessary in order to perform at a peak.

"It is probably 80% of your preparation," says Steve Prefontaine, on the affirmative side. "Even if your body is ready, you must have it upstairs or it just won't go," decathlete Craig Brigham feels. "It can make a difference of five to eight feet in my throws," estimates Canadian

by **JON HENDERSHOTT**

hammer thrower Murray Keating. "If I'm psyched, I throw well." George Woods says, "For maximum results, a strong psych is vital."

Those on the other side of the fence can be just as definitive. "It has no importance to me whatsoever, no kidding," says Olympic javelinist Milt Sonsky. "My only mental preparation is just before I start my run-up when I tell myself to keep the point down and keep moving." Distanceman Dick Bowerman says, "Most often I don't even know who I am running against." Distancer Pat Mandera adds, "As long as you know what you have to do, it isn't important."

There are others who add qualifications to the importance of psyching up. "It isn't as important as proper physical preparation although the two are not mutually exclusive," says high jumper Bill Elliott. "Proper physical preparation leads to proper mental preparation." Miler Chuck LaBenz feels, "Being physically fit is the best possible psych-up."

The intertwining of the physical and psychological preparation was particularly stressed by distance runners. "The psychological is less important than good physical condition," says Olympic marathoner Kenny Moore. "The true preparation comes in training." Fellow marathoner Tom Fleming says, "An hour before a race, the psychological is everything. It is the follow-up to the physical training. If you haven't done the

training, who are you kidding?" Rick Riley feels, "If you are in a state of extreme concentration—mentally prepared—you are apt to perform well. A runner can be in mediocre condition and perform better when psyched up, than be in good condition but not mentally prepared." Discus world record holder Jay Silvester admits, "It is no problem for me to get psyched up. I burn at the thought of competition. My problem is controlling myself until the competition starts. Relaxing can be a real problem sometimes."

"I pluck the hairs out of Feuerbach's chin."

Okay, let's assume you are an athlete who feels building the proper psychological readiness will add inches or cut seconds from your performance. What do you do to build the mental peak?

From some examples given by the athletes, just about anything and everything:

• George Woods: "I mentally pluck all the hairs out of Al Feuerbach's chin, one by one."

• Jacques Accambray, two-time NCAA hammer champion: "I assign myself goals which I write on paper and then concentrate on what it will take to achieve them. If I talk to myself it's something like, 'Come on, you have to do it, you s.o.b.!' Or something worse."

• Ken Moore: "Marathon psychology is different than perhaps for any other event."

You have to be careful not to dissipate emotional energy too early because you need all you can muster in that last six miles. So before the race, it's anti-psych. That is, I do anything I feel like doing that isn't physically exhausting and try not to think about the race.

"There's no ritual I go through. Ritual of all kinds is very powerful stuff for most people, but I have a suspicion it appeals to the neurotic in us. We seek psychological solace in repetition and peculiar arrangements of our lives when none of that has any bearing on the problem at hand. I think it's better to face up to things, or try to as much as possible."

- Frank Shorter, Olympic marathon champ: "I don't talk to myself, I emote. At this point, my whole life is a ritual leading up to important races."

- Murray Keating: "When I throw the hammer, I always enter the ring from the rear, walk to the front and bow to the field judges, then turn and begin my throw. If I don't do this, nothing seems to follow through properly in the throw."

- Paul Geis, NCAA three-mile winner: "I get around the other runners and tell them about all the fantastic workouts I've done to psych them out."

- High jumper Bill Elliott: "I say to myself, 'Run like hell, jump like hell and arch your back,' over and over rhythmically in time with rocking back and forth on my left leg. This gives my mind the correct attitude and rhythm for the jump."

- Jay Silvester: "I always pray before a competition, but about the only other time I talk to myself is after a poor throw or before stepping into the ring when I need a big throw."

- Pro distanceman and former Olympian Tom Laris: "The most important thing to me is to relax. So I'll drink a few beers before a competition, especially an important one, which allows me to relax and then get a good night's sleep."

- Distance runner Tom Childers: "I like to get off by myself to warm up so I can eyeball the opposition."

- Miler Rick Albright: "During my warmup I do some yoga, mainly breathing exercises, which helps me concentrate and build frantic energy. The better I feel doing the exercises, the more control I feel I have over my body and the more confident I am going into the competition."

- Steve Prefontaine: "I just think about everything I've done to get myself together to run a very competitive race."

- Hurdler-sprinter Stan Druckery: "The week of a meet, I think about my races every day, the technical things I want to do. I also pray every day for God's help."

- US steeple record holder Doug Brown: "I talk to myself as an observer of the race, with me doing just what I plan to do in the race. I picture the time I expect or want and the position I hope for, which is first."

- Tom Fleming: "I talk to myself constantly during the race to keep myself aware of the race: the particular situation



Don Chadez

Stefan Junge's psyching culminated in a silver medal winning high jump at Munich.

at the time, my place, distance to go, fellow competitors."

- AAU 5000 champion Dick Buerkle: "I always think about my most successful moments, past wins and what I did right those times."

- Hal Higdon, leading senior miler: "I do a lot of thinking, mainly that I'm a lot better than those other guys and I'm going to blow them off the track. Even if they might be better physically, I'm going to dominate them mentally."

Tennis great Billie Jean King summed the whole process of psyching up: "It's very simple. Imagine yourself doing something right."

"A real competitor finds something extra inside."

Each event has its own uniqueness which demands a particular mental approach. Runners, for example, often must get through qualifying rounds. "I just want to get through a heat but I like to finish fast, like maybe a 58-second quarter, as a sharpening up drill for the final," says Buerkle. On the other hand, Druckery feels, "You can't hold back for the final. You have to get there first. A real competitor will always find that something extra inside to prepare himself for a final." LaBenz feels, "The most important thing is

to get through trials with the least effort possible."

For jumpers and throwers, on the other hand, there is the matter of six competitive efforts and whether to save all the pent-up psych for one big explosion or try to parcel it over all six efforts.

"I am physically best my first three throws and psychologically best the last three which is paradoxical," says Accambray. "But the two sometimes meet somewhere in the middle." Silvester reveals, "It depends on my position. If I'm leading, I relax and sometimes don't even take my final throw. But if I'm behind, I criticize my technique as bush league and force myself to improve. It's very difficult to maintain a high psych through an entire competition, but tough competition makes it easier."

For decathletes, the problem is multiplied ten-fold. "You must have psychological strength through the entire decathlon," says Brigham, "but once each event is over, forget it and go to the next one." Brigham was his own best example in the NCAA, stoically continuing to the end after failing three times at his opening height in the vault. "Relaxed and confident is the best way to compete."

"Instant psyche just doesn't work."

Can an athlete, in fact, "force" himself to a peak of psychic readiness? "Instant psyche just doesn't work," Elliott maintains. "Physical preparation is the key to psychological peace of mind." Brown believes, "You can't force it. You have to want it." Druckery feels, "You can force yourself into over-preparing. Relaxing is part of mental preparation and comes with confidence. If you don't have confidence, you don't belong." Silvester says, "I've never known anyone who could force himself into psychological readiness. You either have it or you don't." And for Woods, "Just seeing Feuerbach throws me into a frenzy."

Conversely, Bowerman believes, "If you can't force yourself to be ready, then you're the one who won't win. Races don't wait for you to be ready." Higdon feels, "You can force yourself to be ready but you can't be tight. Confidence is certainly a big part of staying relaxed, though mentally ready."

But seemingly whatever the mood surrounding an athlete or an event, there are those powerful inner traits which can exert powerful influence.

Marine Childers perhaps sums it up best: "The high emotional state prior to competition has a combined physical and psychic effect on an athlete that can make him or break him. Confidence in one's ability, relaxation, resolve and the ability to keep cool under fire go a long way to insure an athlete is ready for the supreme competitive challenge." □

Two Bolts of Cuban Lightning

Cuban trackmen have a habit of spending a couple of months in Europe every summer. Of course, they don't come under different enterprises as do their neighbors from the United States. They are invariably a solid group, in the style "one for all, all for one." They have a supervisor, a coach and presiding spirit, Enrique Figuerola, historically the first sprinter to honor Cuba's reputation as *tierra de relampagos* (land of lightning) in Olympic competition. Their motto can be gathered from the title of a leading Cuban sports paper: *Listos para vencer* (ready to win).

And win they did, this year more than in the past—especially two of them: Silvio Leonard and Alberto Juantorena. The climax of their 5-week European tour was Italy, where they competed brilliantly at Milan, Siena and Turin.

Leonard, a taciturn, shy youngster who will be 19 on September 20, hails from Cienfuegos (province of Las Villas), is 5-11 tall and weighs 139 pounds. A 10.4/21.1 prospect in 1972, he was not considered ripe for Olympic tussles. But in '73 he came to Europe and showed great talent. His tour was sparked by such times as 10.1 and 20.7, but he seemed to lack stamina and in the biggest test, the Universiade, he faded to 7th in the 200, after placing second in the 100.

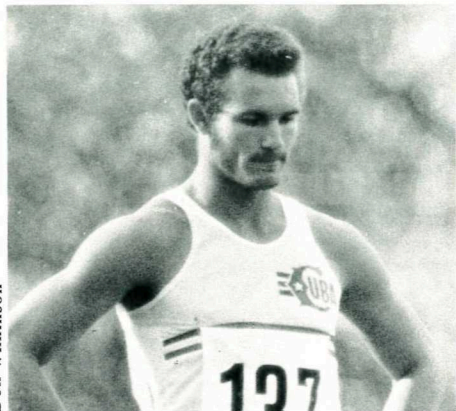
The Leonard we saw this year was decidedly better stock. His fluent, wonderfully relaxed form was complemented by a new vigor as he proved his mettle against two world record holders. At Milan he beat Don Quarrie in the 200 meters, after a furious battle in the stretch (20.2 for both). At Siena, in the 100 meters, he moved alongside Steve Williams with some 20m to go and won by 10" or so at the tape (10.0 for both).

Italian promoters expected him to offer Williams a re-run at Turin, but Leonard chose the 200 for his final appearance in Europe. Someone probably

by R. L. QUERCETANI

thought they were not equally "ready to lose."

Figuerola made no mysteries about it: "Silvio is very young, as you know, and he seems to be a bit tired, after such an exacting European tour." While on this continent, Leonard did 10.1 five times and 10.0 twice in the 100 meters, 20.2 twice in the 200. He never lost a final (although he scratched from one in Budapest when he felt a twinge in his leg). Cuban coach



JUANTORENA—white lightning.

Lazaro Betancourt, a former hurdler (14.0 in '64) now looking more like a shotputter, epitomized the feelings of this observer when he said: "No telling what Silvio can do in the next two years, if he will only progress a bit further."

Figuerola thinks that 9.8 (hand-time) should be within the youngster's reach before long. Of course, the streamlined youngster will have to be handled with care: Cubans well remember what happened to Pedro Perez, a world record holder in the triple jump at 19 and injury-plagued ever since.

Alberto Juantorena is a helluva quartermiler, 6-3/4 tall and weighing 185

pounds. Unlike most Cuban *relampagos*, he is white. His meteoric rise is quite similar to that of Marcello Fiasconaro. Born at Santiago de Cuba on 3 December 1951, he was a fairly good basketball player, as a center, in his late teens, until a local coach began to wonder if he could not do better as an athlete.

The jovial Alberto—very much a Latin in both gestures and general behavior—soon found that the 400 meters suited him perfectly. Having moved to Marianao, on the Northern coast near Havana, he quickly improved from an initial 51.0 to 48.2 before the end of that year, 1971. He came under the tutelage of a Polish coach, Zygmunt Zabierzowski, himself a one-lap runner before the war.

The Pole said that in over 30 years of experience as an active runner and coach he had never seen a 400 man with the raw power of Alberto. In '72, the green Juantorena was selected for the Munich Olympics—there he missed the final by 0.05, after doing 45.94 (heat), 45.96 (quarter-final) and 46.07.

In '73 he came to Europe again and won at the Universiade in 45.36, downing among other Dave Jenkins of Britain, the European champion. He ranked third in the world. His third European tour, in '74, was a triumphant one. Never really extended, save perhaps by Jim Bolding at Siena (the American finished 0.4 behind), he did 45.3 three times, then 44.9 at Siena and finally 44.7 at Turin. "I see 44.0 at Montreal," he says.

The 200 splits for his races in Italy were 21.4/23.5 and 21.7/23.0. People like Olympic finalist Julius Sang of Kenya and Darwin Bond of US (second in the AAU) had no chance against him. Juantorena seldom runs other distances, yet he can point to 21.2 in the 200 and 1:49.8 in the 800.

The Cubans would like to compete more against the rest of the world, but their remote location from Europe is a problem. "We are completely isolated in Cuba," said Bettencourt at Siena. "Access to the cities and stadia of the Americans is forbidden to us for reasons you know." □

FRENCH CHAMPIONSHIPS No Stopping Bolding--48.4

Nice, Fr., July 26-28—Jim Bolding just keeps churning them out. Bolding cruised over the 400 hurdles in 48.4, fifth fastest time in history, to win the French title and turn back resurging Jean-Claude Nallet, defending European champion.

Bolding thus completed his US-British-French triple crown of national titles and joined Steve Williams, Dwight Stones and John Powell as three-way champions.

Only the past two Olympic winners, John Akii-Bua at 47.8 and David Hemery at 48.1, and Bolding have run faster.

Bolding blasted out from the blocks and Nallet, sidelined the past two years by

injury after a fine '71 season, tried to stay with him. They were even over six hurdles but then Bolding accelerated to the seventh and opened a gap on Nallet. Bolding maintained his speed to the tape, but Nallet also finished strongly for 49.1, his fastest time since 1970 and second-fastest ever.

Williams, Stones and Powell had no trouble completing their triples. Stones' 7-4 5/8 leap matches his third-highest clearance of his remarkable year. It's also the No. 8 performance in US history.

George Woods' 68-1/4 shot have prevented Al Feuerbach from claiming a US-GB-France triple; in fact, George hit that mark twice and his four legal throws were all longer than Al's best of 67-7. Charles Foster, who didn't compete in the British AAA, may have decided top rating

in the world with his 13.5 high hurdles win over previously unbeaten Guy Drut (13.6). On the first start of the final, Drut got out very well and led over the first hurdle before a jump was called. Then he was left in the blocks by a quick gun the second time. He stuck with Foster until the fifth barrier but Charley's superior rhythm and kick were too much.

/July 26(a)-27(b)-28(c)/—100m(b), Williams (SD) 10.3, 200(c), Arame 20.7; 2. Lutz (Kans) 20.8; 3. Cherrier (Fr-Kent St) 20.9. Heats(b): 1-1. Cherrier 20.8, 800(c), Walker (NZ) 1:46.7; 2. Philippe (Fr-NYAC) 1:46.8, 1500(c), Dixon (NZ) 3:42.8; ... 6. Hilton (PCC) 3:46.0. St(c), Buchheit 8:24.6; 2. Villain 8:29.0, 10,000(a), Puttemans (Bel) 28:36.0, 110HH(b), Foster (NCC) 13.5; 2. Drut 13.6, 400H(c), Bolding (PCC) 48.4; 2. Nallet 49.1.

HJ(c), Stones (PCC) 7-4 5/8. PV(c), Roberts (GCTC) 17-4 3/4; 2. Carrigan 17-4 3/4. LJ(c), Bonheme 26-3; ... 3. Moore (unat) 25-9. SP(b), Woods (PCC) 68-4 (67-7 3/4, 67-7 1/2, 68-1/4, 68-3/4, f, f); 2. Feuerbach (PCC) 67-7. DT(a), Powell (PCC) 203-6.

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World-Beater by Wohlhuter; Stones Soars

from Erik Wille-Nielsen

Oslo, Nor., July 30-31—The track world seems to get two views of Rick Wohlhuter—fans see him from the front, either in person or in news photos, breaking another record or racking another victory to add to his undefeated '74 season. His competition, on the other hand, sees only his back as he takes the tape, and the victory, ahead of them.

It was the same story again at the sixth Martin Luther King Memorial Games, held for the first time outside the US. And for Dwight Stones, only the barest of margins stood between him and a new world high jump record.

In the days before the meet, Wohlhuter made it clear he was after Danie Malan's 2:16.0 global 1000 mark—but even Rick wasn't ready for the demolition job his 2:13.9 did.

"I haven't run the 1000 since my 2:19.4 before the Olympics," Wohlhuter said before the meet. "But I feel confident I can get below Malan's record with a fast opening pace." The competition would be there too, with a high-class field including John Walker and Rod Dixon of New Zealand, Mike Boit of Kenya and Byron Dyce of Jamaica. "I feel in top shape and look forward to meeting Walker," Wohlhuter said. "One of us could get the record, but the whole field is strong."

Not as strong as Wohlhuter, as it turned out. Wohlhuter got the fast early pace he wanted as rabbit Jan Torgerson sped the first half-lap in 24.0, 2.3 seconds up on Malan's record pace. Boit & Wohlhuter were together, one second back. Torgerson passed 400 meters in 51.2, with Boit only a tenth back; Malan's opening lap in his record clocked 54.5. Wohlhuter's split read 51.7, and he was always close to the leaders.

Torgerson dropped out after a lap and Boit took the lead. But Wohlhuter was

A standard opponent's-eye view of Wohlhuter—this one finishing a record 1000m.



Knut Edvard Holm



It was still light in Oslo when Stones scaled 7-4¼; not until after nightfall did he clear 7-5¾.

right behind, prancing along in his toes. Boit and Wohlhuter sped past 600 meters in a blazing 1:18.9, compared to Malan's 1:22.3. Eastern New Mexico's Boit paced the world 880 recordman for another 200 and both timed a blinking 1:46.8 at 800 meters, 1.2 seconds faster than Malan.

Then Wohlhuter shifted gears going into the last curve and Boit was a goner. So was Malan's record. "When I got that fast early pace and then passed Boit, I knew I would win and get the record, too," Wohlhuter revealed.

After two fast opening 200s (25.0, 26.7), Wohlhuter was remarkably consistent with 27.2, 27.9 and a finishing 27.1 to snap the string 2.8 seconds ahead of Boit.

"Malan's record was a relatively weak one," Wohlhuter estimated later, "but I'm surprised I could improve it by over two seconds. I expected to win at around 2:15." Rick's mark is a high-class one; the Portuguese Tables equate it to a 1:43.3 800 and 3:33.0 1500, making it quite comparable to surrounding records.

Dwight Stones came within a hair's breadth of upping his world high jump record to 7-7. After negotiating the world's highest leap this year, 7-5¾, he took three tries at 7-7; on the first he was over for all but the heel of his right shoe.

Stones put on a superb exhibition in a long competition. During the three-hour competition, he cleared seven heights on his first attempt, beginning uncharacteristically for Dwight at 6-6¾, then needed three at 7-5¾ before attempting 7-7.

"If I had taken off three inches closer to the bar, I would have made it," he said. "I wasn't thinking about a record at all. I'm tired. It's been a long summer." Still, Stones 7-5¾ is the equal-fourth highest

performance ever; only world records by Dwight, Pat Matzdorf and Ni Chih-chin are higher, while Valeriy Brumel matches.

Dick Buerkle turned in a fine distance double. First, he beat the hot pair of home sons, Knut and Arne Kvalheim, over 5000 meters with a PR 13:23.4. The AAU five-kilo champ thus becomes the second-fastest American ever at the distance.

The next day, Knut exacted his revenge with a national record 3:56.2 mile to top Marty Liquori's 3:56.6. It was Marty's fastest mile since he ranked first in the world in 1971. Buerkle capped a great double with his third in 3:57.8, another personal best.

Jim Bolding suffered his first defeat of the year over the intermediates as Ralph Mann sped a fine 49.0, his fastest time since winning the Olympic silver medal. But Bolding's 49.3 doesn't reveal he lost several tenths when his blocks slipped at the start and he went down on both palms to regain his balance. Sam Colson, also previously undefeated this year, lost to unheralded Terje Thorslund, 259-9 to 252-8.

July 30(a)-31(b)/—100m(a), Williams (SD St) 10.1; 2. Jones (Tenn) 10.2; 3. Riddick (Norf St) 10.2, 200(b), Riddick 20.7; 2. Jones 20.8, 400(a), Bond (Tenn) 46.2, 1000m(a), Wohlhuter (UCTC) 2:13.9 WB, WAR, AR (25.0, 26.7 [51.7], 27.2 [1:18.9], 27.9 [1:46.8], 27.1-51.7, 55.1, 27.1); 2. Boit (Ken-En NM) 2:16.7; 3. Walker (NZ) 2:17.1; 4. Dixon (NZ) 2:17.2; 5. Dyce (Jam-FTC) 2:17.6; 6. Nielsen (Den) 2:18.3 NR.

Mile(b), K. Kvalheim (Nor) 3:56.2 NR; 2. Liquori (NYAC) 3:56.6; 3. Buerkle (NYAC) 3:57.8; ... 5. Kaupang (Nor-Ore) 3:59.9; ... 8. Byers (Ohio St) 4:12.3. St(a), Waehrl (Switz) 8:26.6 NR; 2. Sornes (Nor) 8:27.4; 3. Vojc (Nor) 8:30.0, 5000(a), Buerkle 13:23.4 PR (12:59.8y); 2. K. Kvalheim 13:24.2 (12:58.8); 3. A. Kvalheim (Nor) 13:26.4 (12:59.2); 4. Halle (Nor) 13:27.6 (13:20.4); 5. Boro (Nor) 13:29.4 (13:04.2), 10,000(b), Jansky (Czech) 28:37.6 (27:44.8y); 2. Ngeno (Ken-Wash St) 28:47.0 (27:48.2), 110HH(a), Foster (NCC) 14.0, 400IH(b), Mann (BHS) 49.0; 2. Bolding (PCC) 49.3; 3. Kodejs (Czech) 49.7.

HJ(a), Stones (PCC) 7-5¾; 2. Kotinek (UCLA) 7-2 5/8; 3. Beers (Can) 7-2 4. Brown (unat) 7-1½. PV(b), Roberts (GTC) 16-8¾. DT(b), Drescher (DCS) 202-4. JT(a), Thorslund (Nor) 259-9; 2. Colson (unat) 252-8.

3-WAY DECATHLON

Jenner Does It Again: 8308

Tallinn, USSR, Aug. 3-4—Bruce Jenner made the US's first appearance ever in team decathlon competition a memorable one as he tallied the fourth-highest score in history, 8308, to easily outdistance leading 10-eventers from the USSR and West Germany.

The meeting between three of the world's strongest decathlon nations was the first of its kind for the US and, despite finishing second in the team standings to the tough, depth-laden Soviets, enthusiasm for the meet ran high among the Americans.

"Everyone from the USSR and West Germany is very anxious to continue the series and we are, too," said US coach Sam Adams. Jenner enthused, "I really like team decathlon. There was great enthusiasm among all the athletes; everyone tried to help everyone else."

Already the world leader before the meet (8245), Jenner moves to fourth all-time among both performers and performances. He has the top three accumulations this season (8308, 8245, 8240) for an 8264 average. Only US recordman Bill Toomey had ever scored three 8200-plus scores in a season before—and only Toomey and Jenner have ever done it in a lifetime. Jenner's marks stand fourth, eighth and ninth among all-time performances.

While Jenner was a relatively easy individual winner, Estonian home-son Jaan Lember paced his Soviet team to victory with 7865 in second. The Soviets' top seven men totaled 46,812 to 46,369 for the US and 45,469 for West Germany. Other Americans: Steve Gough 7789 (8th), Fred Samara 7622 (12th), John Warkentin 7615 (13th), Ron Evans 7541 (14th), Rick Wanamaker 7494 (17th) and Mike Hill 7203 (24th).

Jenner started off with a 10.9 100 meters, "matching my PR. I was satisfied." In the long jump, he got plenty of stares from the Soviets, including Igor Ter-Ovanesyan, as he flipped 23-10½. "It was a super jump, the best I've ever felt," Jenner smiled. Teammate Evans also flipped, reaching 23-1¼—after only two weeks of work with the new style.

Jenner put the shot over 47 feet on all three throws, the longest taping 47-1¾. Then came a 6-6 high jump and a near miss at a PR 6-7½; "I had the height but I took off too far out and came down on the bar." He closed Day 1 with 49.0 in the 400, dissatisfying since he wanted 48.5. But pesky backstretch winds, which prevailed both days, held everyone back. The highway-hard track was also not conducive to fast times.

"I was pleased overall," Jenner reflected. "I wanted 4100. After the first day, I never doubted I could win."

Meanwhile, Gough was going great



1500 ends Jenner's 8308.

until he pinched a neck nerve in the high jump. He had to be massaged throughout the rest of the meet. Samara hurt a foot in the long jump and Hill was feeling the effects of being sick on the trip to Tallinn.

As the second day began, Jenner was stretching—literally a minute before the hurdles—when a young fan ran from the crowd (estimated at sellouts of 10,000 both days and knowledgeable and enthusiastic for all athletes) and handed him a card. "He had figured out what I needed to break the world record," Jenner said. "14.5, 158, 15-9, 224 plus and 4:14. I just put it in my bag and ran the hurdles." He ran 14.7, at least as fast as he has run in every meet this year.

In the discus, Jenner exploded. His three throws all exceeded 160 feet, although one was a foul; his 161-1 best upped his decathlon PR by 8-3. "The disc has been an event that has been sitting back and waiting all year," he said. "Plus there was a left-hand wind for the first time I can remember."

The vault proved to be the turning

point for Jenner. "After the discus, I started thinking about the record and I went back and found that card and saw I was closer than I suspected," he said. Adams confirmed, "He was on the road for seven events, but the vault did it." Jenner scaled 15-5, a mark exceeded by only one other decathlete and matched by Samara and one other. "There was gusting wind so you had to wait," he said, "but you started thinking more about the wind than vaulting. At 15-9 I was coming up under the bar and then landing on it." Adams said, "His earlier jumps were 16 footers but he needed a heavier pole than the one he jumped on at 15-9."

The tricky wind hindered the javelin. "You had to be lucky to hit one," Jenner said. "My first throw was too high; 208-4. On the second I got psyched, really ripped down to bomb it but the tail hit the ground and it fell short. My last was about 200. The jav didn't go too well."

In the climactic 1500, Jenner would have needed 4:03.4 to break Nikolay Avilov's 8454 world mark, but even Jenner couldn't summon that. "I never seriously considered 4:03," he admitted. "Nobody was running well and I just wanted a good score. There will be other times for the record. I wanted 4:15 because that would have put me over 8319 and moved me ahead of Kurt Bendlin all time. The pace felt slow and I tried to pick up but there was nothing. 4:22.7 is my slowest time of the year."

Adams explained, "I think a combination of the cool weather, large fields and the hard track held everyone down. I think that hard surface took more out of their legs than they realized. Also I think our kids were really up for this one, almost too tight. All except Bruce. He made himself settle down and relax and he concentrated on his own performances. He's a tough nut."

Jenner said, "Right after, I was disappointed but the more I thought, the better I felt. Actually, when I thought about the world record, it sort of scared me. But I told myself not to rush it, there would be other times. Now I know I can run 8600. It would be nice to run 8500 next year and 8600 in 1976-85 in '75 and 86 in '76."

Said Adams, "There are still places Bruce can improve—the 100 and shot, get more consistent in the vault and javelin. One day he will put it all together and then watch out."

Jenner (unat) 8308 (10.9, 23-10½, 47-1¾, 6-6, 49.0, 14.7, 161-1, 15-5, 208-4, 4:22.7); 2. Lember (SU) 7865 (11.0, 22-4½, 51-4½, 6-6, 50.4, 15.5, 147-2, 14-9¼, 197-0, 4:35.0); 3. Litvinyenko (SU) 7857; 4. Kratschmer (WG) 7856 (24-6½, 14.4); 5. Grebenyuk (SU) 7854; 6. Stroot (WG) 7833; . . . 8. Gough (CNW) 7789 (10.8, 24-6½, 49-7, 6-3 5/8, 51.4, 15.0, 150-7, 13-5½, 193-5, 4:50.6); . . .

12. Samara (NYAC) 7622 (10.5, 23-0, 42-3, 6-1¼, 50.2, 15.2, 134-4, 15-5, 191-1, 5:00.0); 13. Warkentin (BHS) 7615 (11.1, 22-3, 43-5, 6-2½, 49.7, 14.7, 143-0, 13-1½, 201-10, 4:31.6); 14. Evans (BHS) 7541 (11.1, 23-1¼, 47-9¼, 6-8 3/8, 52.1, 15.6, 137-9, 14-9¼, 199-6, 4:33.4); . . . 17. Wanamaker (unat) 7494 (11.3, 21-7¼, 47-8¾, 6-8 3/8, 50.9, 14.9, 151-7, 13-1½, 198-10, 5:07.2); . . . 24. Hill (Colo) 7203 (11.0, 23-½, 40-2¼, 6-1¼, 51.1, 15.6, 118-7, 12-5¾, 184-4, 4:27.8); . . . 29. Blinyayev 7104 (24-6½, 164-6, 3 jav fouls). Teams: 1. USSR 46,812; 2. US 46,369; 3. West Germany 45,469.

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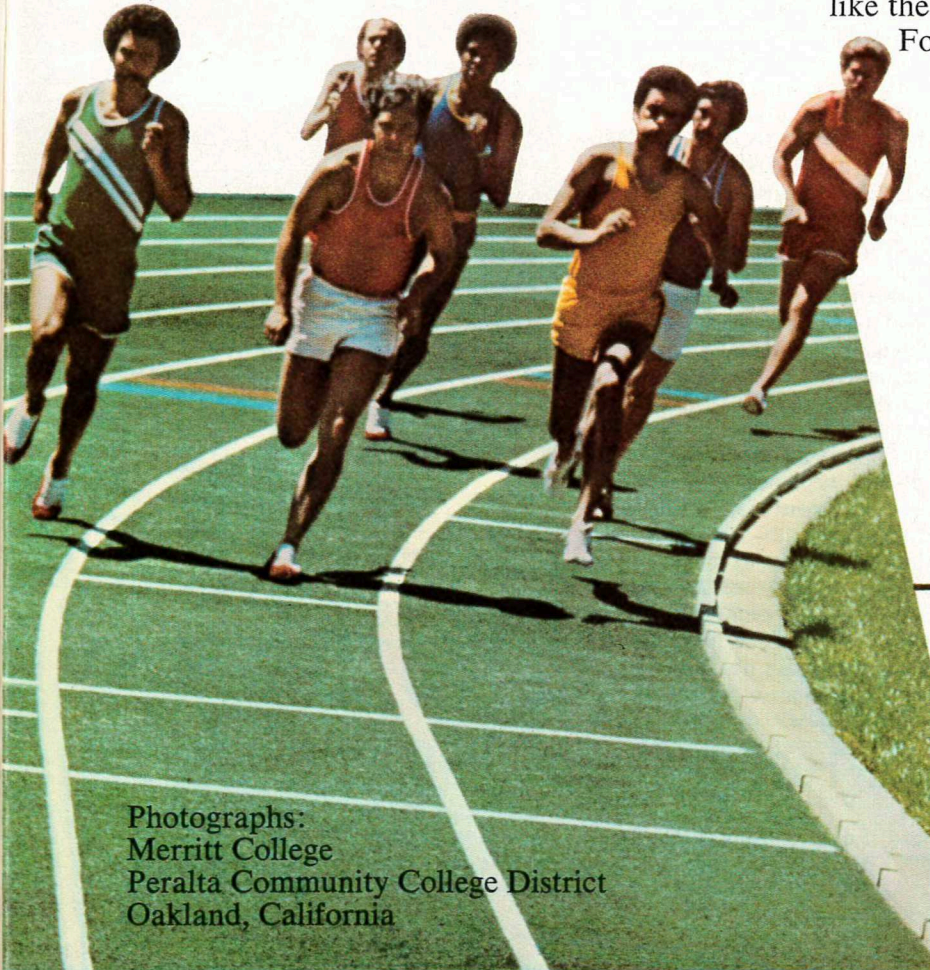
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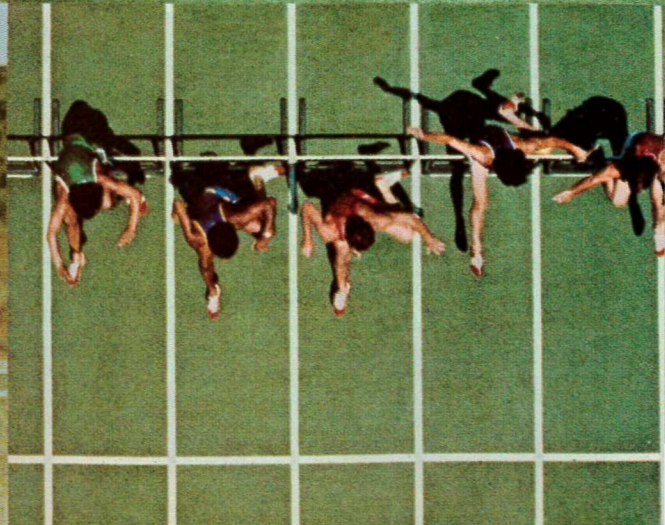
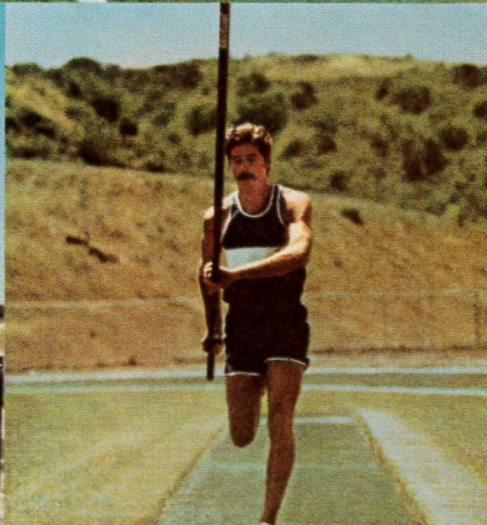


CHEVRON'S 440

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HELSINKI GAMES

Garderud Misses Jipcho Mark by a Tick

Helsinki, Fin., Aug. 1—Sweden's Anders Garderud made a bold move to recapture the world steeplechase record, but in the end his withering early pace held to him "only" 8:14.2, a mere 0.2 short of Ben Jipcho's global mark.

Garderud, who ran history's then-second quickest steeple of 8:15.2 a month ago, set out from the start of the Helsinki Games race for a go at the record, coincidentally set on the same Olympic Stadium track. Arch-rival Tapio Kantanen of Finland tried gamely to stick with Garderud through an initial 1000 meters of 2:40.7, a whopping 8.3 seconds up on Jipcho's world record pace. A 4:05.0 1500 kept Garderud 4.6 seconds ahead of record pace.

Kantanen showed signs of tiring by 1700 meters and began to let go. Garderud passed 2000 meters in 5:29.5, still 3.4

seconds ahead of Jipcho's pace. But he was over eight seconds slower than the first 1000. The 7000 fans were screaming their heads off in hopes of a world record, even from a Swede.

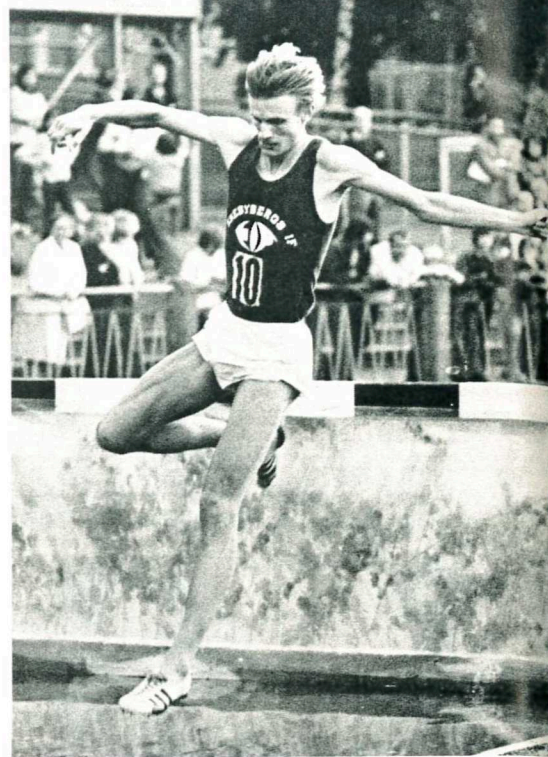
Garderud picked up the last 1000 to 2:44.7, but his own pace was taking its toll. His looks reflected the price he was paying but the gutty Garderud finished with a 63.2 last lap for 8:14.2, a European record and second-fastest ever. Kantanen finished nearly eight seconds back with 8:21.8.

Rick Wohlhuter continued his series of head-shaking performances—this time over a mile. Rick and New Zealanders John Walker and Rod Dixon were out after Jim Ryun's 3:51.1 world mark; Oregon's Steve Bence paced them through 57.8 and 1:57.0 splits, the latter 1.9 seconds ahead of Ryun.

Dixon took over shortly after and led Walker, Wohlhuter and Mike Boit. The two New Zealanders passed 1500 meters in 3:40.3 with Dixon leading; Wohlhuter and Boit were together 0.2 back.

But then the lightning struck. Wohlhuter flashed into the lead in a Peter Snell-like move and blazed his last 120 yards in 13.9, one of the fastest finishes ever in such a quality race.

Rick's 3:54.4 is a PR by 0.7 and moves him to fourth among all-time US milers with the eighth-quickest performance. He becomes the world's 11th-fastest performer. Dixon edged Walker for second, both with PRs of 3:54.9. Neither are slouches in the finishing department, yet Wohlhuter beat both by a half-second and actually made up 0.7. His case for Athlete of the Year now seems



GARDERUD: "8:10 at Rome."

virtually open-and-shut. Boit finished fourth in 3:55.4, also a PR.

Steve Williams' 10.1 outran the 10.3s of Mark Lutz, Raimo Vilen and Chris Garpenborg; Vilen ran a Finnish record 9.3 100 yards and some reports credited Williams with 9.1 and Lutz with 9.3 but it is believed they were timed on just one watch.

100m, Williams (SD St) 10.1; 2. Lutz (Kans) 10.3; 3. Vilen (Fin) 10.3 (9.3y NR); 3. Garpenborg (Swe-UTEP) 10.3. Mile, Wohlhuter (UCTC) 3:54.4; 2. Dixon (NZ) 3:54.9; 3. Walker (NZ) 3:54.9; 4. Boit (Ken-En NM) 3:55.4; 5. Hogberg (Swe) 3:56.7. St, Garderud (Swe) 8:14.2 ER; 2. Kantanen 8:21.8; 3. Ala-Leppitampi 8:29.0. PV, Carrigan (PCC) 17-¾. JT, Jaakola 276-6; 2. Siitonen 273-11; 3. Lappalainen 273-6; 4. Aho 268-3; 5. Avellan 265-4; 6. Hovinen 260-7.

Steeple a Hot Event

Sure, Anders Garderud has set two European records in the steeple this year and is only a tick off Ben Jipcho's world mark, but he's not the only hot steepler around.

In fact, the whole event is alive. Maybe it was Jipcho's big dip under 8:20 last year that did it. While there were no sub-8:20 clockings until '73, now there are 10, with six of them coming in this not-yet-over season. Garderud has the most, four.

Take a look at the yearly list (page 12). Records run rampant. In fact, of the top 14 names 10 represent national records. No less than 16 major nations have new records:

8:14.2	Sweden	Anders Garderud
8:18.4	West Germany	Michael Karst
8:19.2	Poland	Bronislaw Malinowski
8:19.6	Finland	Tapio Kantanen
8:21.6	Japan	Takaharu Koyama
8:23.0	Italy	Franco Fava
8:23.2	United States	Doug Brown
8:24.8	Great Britain	John Davies
8:25.2	Norway	Knut Kvalheim
8:26.6	Switzerland	Hans-Peter Waehrl
8:30.0	East Germany	Jurgen Straub
8:32.4	Yugoslavia	Petr Svet
8:35.2	Eire	Ed Leddy
8:36.6	Cuba	Jose Cobo
8:36.8	Canada	Joe Sax
8:44.0	Austria	Peter Lindtner

The two biggest races were the Kusocinski Memorial in Warsaw and the TOP Games in Helsinki. Koyama got his mark at the former, with Malinowski (8:21.2) and Fava (8:23.4) setting marks which they broke at the latter. Also produced at Helsinki were the marks of Kantanen and Karst. Karst equaled the European record until Garderud got going.

One can't help but wonder how much better all this might have been if Jipcho was still part of the wars.

WORLD RECORD

Fired-Up Foster Slices 3000 Standard

Gateshead, England, Aug. 3—Nobody was happier with the outcome of the dedication of this northeastern English city's Tartan track than the newly appointed Sports Recreation & Recreation Manager.

For Brendan Foster, who also doubles as a rather respectable distance runner, it was a double triumph, as 10,000 loyal fans egged him on to a marvellous new world record over 3000 meters, 7:35.2. The crowd, largest in the country this year, came despite the competition of a classy soccer match the same day.

The run chopped 2.4 off the 1972 standard of Emiel Puttemans, which was already regarded as a superior running achievement. To the non-metrically minded, realize that this is worth about the same as 8:11 for the 240y-longer two-mile distance, for which Foster holds the world outdoor mark of 8:13.8. According to the

Portuguese Tables, the only flat running marks better than the new record are Ivory Crockett's 9.0 and Lee Evans' 43.8.

As Mel Watman of *Athletics Weekly* put it, "The interval-training fanatic will be impressed by the realization that the 7½ x 400 was covered at a 60.7 average with nil recovery!"

Foster's major competition was to come from Dave Black and Dick Buerkle, but he really had none but the clock. 10,000 man Mike Baxter forged the pace through 60.0, 60.5 (2:00.5) and 62.2 (3:02.7) laps, with Foster, Buerkle and Black gliding along a stride apart. Baxter dropped off after 3½ laps as he began to falter, waving Foster by. The defending European Cup champ passed the 1500 in 3:49.0 and was on his own. The fourth circuit took 61.3 (4:04.0 1600). Then came a surge reminiscent of his 59.2 eighth go-round at the British Championships as

his 60.0 fifth lap brought him through 2000 meters in a PR(!) 5:04.0 (only 0.8 outside the national record). By this time Black was 40m back, with another 25 to Buerkle.

The sixth lap was the second slowest of the race, 62.1, for a 6:06.1 aggregate, but No. 7 picked up to a quick 59.9 for



Mark Shearman

BRENDAN FOSTER

7:06.0 with a 200 to go. His head wagging, Foster struggled home in a more-than-sufficient 29.2. The last 400 was covered in 57.6.

With a lap to go, the announcer had said, "6:37.6. Foster has exactly one minute in which to equal Puttemans."

The jubilant Foster waved and blew kisses to the adoring crowd. "I was feeling good after four laps," he reported, "but I shouldn't have been feeling good at that stage. I'm still not sharp enough. I had to dig to run 29 for 200 but with a bit of speed work now I should be all right by Rome."

Although he kept it quiet at the time, it now turns out that Foster (after a brilliant 5000 runner-up to Jipcho at the

Commonwealth) was injured during May and June with a hamstring problem which cost him a significant amount of training time.

The compact program also featured a class 600m. Michigan State's Bob Cassleman passed a faltering Dave Jenkins in the last few strides to record a notable 1:15.5 for the odd distance. Only five others have ever covered the distance faster.

600m, Cassleman (Mich St) 1:15.8; 2. Jenkins (GB) 1:15.6 NR; 3. McMeekin 1:16.6. 1000m, Carter (GB) 2:18.5; 2. Overt (GB) 2:20.1. 3000m, Foster (GB) 7:35.2 WB, WAR (60.0, 60.5 [2:00.5], 62.2 [3:02.7], 61.3 [4:04.0], 60.0 [5:04.0], 62.1 [6:06.1], 59.9 [7:06.0], 29.2-2:31.6, 2:33.4, 2:30.2-3:49.0, 3:46.2); 2. Black (GB) 7:51.0; 3. Buerkle (NYAC) 7:58.4. 400IH, Pascoe (GB) 50.2.

AMERICAN NEWS

Action by Americans in Europe is well covered elsewhere in this issue, particularly in the report on pages 12-13.

Quality marks are still turning up on the home-front too. The largest collection comes from the NAIA, where *T&FN* has just received previously unavailable results from the preliminary rounds. Notable clockings: 220 heats, James Gilkes and Kofi Okyir 20.9 (220 semis are not available from any known source. *T&FN* would appreciate receiving them from any reader who has them.) 440 semis, Ron Jenkins 46.4. 880 semis, Ray Geter 1:48.5, Robert LaGrant 1:48.6, Desmond Melville 1:49.0. 440R heats, Texas Southern 39.8. MileR heats, Texas Southern 3:06.4.

Other results:

Sprints: Herman Frazier of the Philadelphia PC topped Ivory Crockett in an all-comers meet, both clocking 9.4.

Distances: Veteran Mike Manley continued his fine summer running, turning in a solo 4:01.4 at Eugene. Club Northwest's Don Kardong and Jim Johnson hooked up twice more, tying over 5000m at 13:59.8, then Kardong winning 8:33.8 to 8:36.6 for over two-miles.

Walks: Ron Kulik strode to the national 40-kilo title with a 3:39:01 to 3:42:09 win over NYAC teammate John Knifton.

Jumps: Thirty-year-old Maryland Coach Frank Costello straddled a notable 7-0. Former Oregon Stater Brad Skovbo has twice scaled a PR 17-0 in the vault. Flip long jumping has its first "class" convert, with 26-8½ performer Tommy Haynes trying his hand at it. Haynes did 24-8 his first time out, plus a 52-0 triple.

Throws: Veteran putter Carl Wallin has been active again, getting a best of 62-0 in four meets over 61-feet. Larry Kennedy moved into 15th on the all-time US list with his 208-8 discus fling, adding a 204-3 meet as well. Old-timer Bob Humphreys set a US age-38 mark with the plate with a 181-10 toss. Best javelinist has been Anthony Hall, with a 254-1 heave. Bruce TC teammate Bob Kouvolod had a 250-1. Al Paliwoda produced a seasonal hammer top of 203-1, Augie Zilincar did 197-6.

Pentathlon: Jack Carter took the National AAU title, moving from third to

first with a comethrough 4:34.7 effort in the climactic 1500. Carter totaled 3403 to top Rudy Vlaardingenbroeker (3308) and Alex Stencil (3259).

HIGH SCHOOL NEWS

by Jack Shepard

Don't forget to report high school marks made in summer meets. Marks made through August 31 will appear on the 1974 lists, while marks after that will appear on the 1975 lists. Send all prep results to Jack Shepard, 6306 Zelzah Ave., Reseda, Calif. 91335.

Summer action this year has been sparse except for a few individuals and a fine Junior Olympic program. Mike Tully (Millikan, Long Beach, Calif) moved to the top of the vault heap with a 16-8¾ effort in Italy. He also topped 16-1 and 16-5 in other continental meets. His best ties him with Steve Smith as the second highest prep vaulter ever.

On the track, long distance running is big during the summer. Ed Steingraber (South, Downers Grove, Ill) ran two super marathons in 14 days, 2:31:27 and 2:31:46, that rank as the ninth and tenth performances on the all-time list. Junior Ajim Baksh (Hollywood, Calif) followed his two 14:11.8 three-miles with the third best ever one-hour distance of 11M,1376y, a class record. In fact, that Goleta, California race found eight preps over 11M. Jim Schankel (Lompoc, Calif) who swept past 6M in 29:56 moved to fifth all-time in 11M,208y while Robert Tillman (Valencia, Placentia, Calif) is ninth at 11M,835y followed in 11th by new age 16 record holder Jeff Spangler (Villa Park, Calif) at 11M, 786. Ralph Serna (Loara, Anaheim, Calif) at 11M,111y and soph Eric Hulst (Laguna Beach, Calif) at 10M,1710y in eighth and ninth apparently found this distance a bit far for their talents.

In the high jump Carl Sims (Wayne, Dayton, Ohio) topped Ted Vaux (Fox Chapel, Pittsburgh, Pa) in one meet 6-11 to 6-10, but the best jumper and star of the National Junior Olympics meet in Lincoln, Nebraska was Charles Hatch (Wilson, San Francisco, Calif). Hatch, the California state champ at 7-0, reached the finals with 7-0 and 6-11 state and regional efforts and then set a meet record in the finals with his third 7-footer of the season. Other Junior Olympics highlights found Jerry Morgan (Vailsburg, NJ) at 47.9, junior Jeff Moody (Pinecrest, Southern Pines, N Car) at 1:53.0 and Ron Klotzer (Union, NJ) at 63-3¼ winning easily. The mile was more competitive as junior Don Paige (Baldwinsville, NY) nipped Frank Novelli (Strake Jesuit, Houston, Tex) 4:13.1 to 4:13.2 with two others under 4:15.

A late report from the steeplechase finds Ralph Serna (Loara, Anaheim, Calif) nipping Eric Hulst (Laguna Beach, Calif) 9:24.2 to 9:24.6 with Gary Blume (Marina, Huntington Beach) third at 9:36.6. Hulst gets soph class and US age-16 records with his effort. □

Flat 3000 a Scorcher Too

The art of steeplechasing has received a lot of strong attention this year, but the same distance (3000 meters) on the flat has also been revolutionized.

A quick peek at the all-time world list reveals that eight of history's 12 fastest performers recorded their bests this year. And seven of the 11 best performances have come in 1974.

7:35.2	Brendan Foster (GB) '74
7:37.6	Emiel Puttemans (Bel) '72
7:39.2i	Puttemans '73
7:39.6	Kip Keino (Kenya) '65
7:39.8	Puttemans '71
7:40.6	John Walker (NZ) '74
7:41.0	Rod Dixon (NZ) '74
7:41.8	Dixon '74
7:42.4	Bronislaw Malinowski (Pol) '74
7:42.4	Knut Kvalheim (Nor) '74
7:42.6	Steve Prefontaine (OTC) '74
<u>7:43.2</u>	Lasse Viren (Fin) '72
7:44.4	Ben Jipcho (Kenya) '73
7:44.4	Jos Hermens (Bel) '74
7:44.8	Arne Kvalheim (Nor) '74

World Report

This issue's report contains two innovations. The lists now give not only best performers, but also the best performances. The underscore denotes the end of the performances section. Another major departure is that not only is this a yearly list, it is also a monthly one.

To give you a better idea of what is happening currently, all the top marks reported to T&FN since the last issue are summarized here. In the main body of the list, these are denoted with an asterisk (*). As well, other top performances for the period are listed graphically at the end of each event's tabulation. Between the two sources, the top 10-15 performances in each event in the last month are thus reported.

†=yard mark converted to meters; y=unconverted yard mark; i=indoors; p=professional.

100 METERS

- 9.0y Ivory Crockett (PPC)
 9.9 Steve Williams (SD St)
 10.0 Don Quarrie (Jam)
 10.0 Silvio Leonard (Cuba)
 10.0 Leonard
 10.0 Williams
 10.0* Manfred Ommer (WG)
 10.0 Williams
 10.0 Williams
 10.0* Williams
 9.2y Chris Brathwaite (Trin)
 9.2y Marshall Dill (Mich St)
 9.2y Chris Garpenborg (Swe)
 9.2y Reggie Jones (Tenn)
 9.2y Donald Merrick (SemJC)
 9.2y Rey Robinson (FIA&M)
 10.1 Steve Riddick (Norf St)
 10.1 Juris Silovs (SU)
 Wind-aided:
 9.1y James Gilkes (Guyana)
 9.1y Reggie Jones (Tenn)
 9.1y Del Meriwether (unat)
 10.0 Charles Joseph (Trin)
 10.0 Hasely Crawford (Trin)
 Wind-aided, rolling start:
 9.9 Adama Fall (Sen)
 Williams 10.1, 10.1, 10.1,
 10.2; Ommer 10.1; Riddick 10.1,
 10.2; Valeriy Borzov (SU) 10.2;
 Fall 10.2; Lajos Gresz (Hun) 10.2;
 Jones 10.2; Mark Lutz (Kans)
 10.2; Eugen Ray (EG) 10.2.

200 METERS

- 20.2† Quuarrie
 20.2 Silvio Leonard (Cuba)
 20.2 Hans-Joachim Zenk (EG)
 20.2 Leonard
 20.2 Quuarrie
 20.2* Steve Williams (SD St)
 20.3† John Carlos (unat)
 20.4† Larry Burton (Purdue)
 20.4† James Gilkes (Guyana)
 20.4† Charles Joseph (Trin)
 20.4† Williams
 20.4† Leonard
 20.4 Zenk
 20.4 Jorg Pfeifer (EG)
 20.4* Pietro Mennea (Italy)
 20.5† Dale Connolly (BYU)
 20.5† Clancy Edwards (CP/SLO)
 20.5† Larry Brown (Ariz)
 20.5 Franz-P Hofmeister (WG)
 20.5 Antti Rajamaki (Fin)
 20.5† Willie Smith (NY HS)
 20.5 Aleksandr Zhidkikh (SU)
 Wind-aided:
 19.8† James Gilkes (Guyana)
 19.9† Reggie Jones (Tenn)
 20.0† Wardell Gilbreath (Ariz)
 20.0† Don Quarrie (Jam)
 20.1 Charles Joseph (Trin)
 20.2† Mark Lutz (Kans)
 20.2† Larry Brown (Ariz)
 20.2† Larry Black (NCC)
 20.3† Clancy Edwards (CP/SLO)
 20.3 Luis Sarria (Spain)
 20.4† Richard Hopkins (Aus)
 20.4† Carl McCullough (Ariz St)
 No flash:
 20.3 Luigi Benedetti (Italy)
 Mennea 20.5; Jaroslav Matou-

- sek (Cze) 20.6; Manfred Ommer (WG) 20.6; Sarria 20.6; Joseph Arame (Fr) 20.7; Fons Brydenbach (Bel) 20.7; Hofmeister 20.7; Leonard 20.7; Steve Riddick (Norf St) 20.7.

400 METERS

- 44.7 Alberto Juantorena (Cuba)
 44.9† Larence Jones (NE Mo)
 44.9† Darwin Bond (Tenn)
 44.9 Juantorena
 45.0 Fons Brydenbach (Bel)
 45.1 Bernd Herrmann (WG)
 45.1* Herrmann
 45.2† Jones
 45.2† pWarren Edmonson (ITA)
 45.2† Jones
 45.2 Maurice Peoples (DCS)
 45.2 Herrmann
 45.2† Karl Honz (WG)
 45.2† Jim Bolding (PCC)
 45.5† Evis Jennings (Miss St)
 45.5† Benny Brown (UCLA)
 45.5 Terry Erickson (Sn III)
 45.5† pLarry James (ITA)
 45.5† Dave Jenkins (GB)
 45.5† Charles Oliver (Troy St)
 45.5† Maxie Parks (UCLA)
 45.5† Josef Alebic (Yug) 45.6, 46.0;
 Jenkins 45.6; Michael Fredriksson (Swe) 45.8; Markku Kukkoaho (Fin) 45.8; Honz 46.0; Ossi Karttunen (Fin) 46.0; Herrmann 46.1;
 Bolding 46.2; Bond 46.2; Ulf Sjoberg (Swe) 46.2.

800 METERS

- 1:43.4† Rick Wohlhuter (UCTC)
 1:43.9 John Kipkurgat (Ken)
 1:43.9 Wohlhuter
 1:43.9 Wohlhuter
 1:44.0 Wohlhuter
 1:44.4 Kipkurgat
 1:44.4 Mike Boit (Ken)
 1:44.7 Luciano Susanj (Yug)
 1:44.9 John Walker (NZ)
 1:45.1 Susanj
 1:45.1 Boit
 1:45.2 Danie Malan (S Afr)
 1:45.3 Filbert Bayi (Tanz)
 1:45.6 Andy Carter (GB)
 1:45.7 James Robinson (LanCC)
 1:45.9 Gheorge Ghipu (Rum)
 1:46.0 Robert Ouko (Ken)
 1:46.0 Mark Robinson (Cath)
 1:46.2 Byron Dyce (Jam)
 1:46.2 Keith Francis (Bost C)
 1:46.2 Daniel Omwanza (Ken)
 1:46.2 Susanj 1:45.8; Ghipu 1:46.3; Willi Wulbeck (WG) 1:46.5; Walker 1:46.7; Marcel Philippe (Fr-NYAC) 1:46.8; Heinz Langenbach (WG) 1:47.0; Josep Schmid (WG) 1:47.0; Gunnar Nielsen (Den) 1:47.1; Carter 1:47.1.

1500 METERS

- 3:32.2 Filbert Bayi (Tanz)
 3:32.5 John Walker (NZ)
 3:33.2 Ben Jipcho (Ken)
 3:33.4 Walker
 3:33.9 Rod Dixon (NZ)
 3:34.2 Graham Crouch (Aus)
 3:34.3 Walker
 3:35.4 Walker
 3:35.7 Walker
 3:35.9† Tony Waldrop (N Car)
 3:36.4 Len Hilton (PCC)
 3:36.6† Ulf Hogberg (Swe)
 3:36.7† Anders Garderud (Swe)
 3:36.8 Mike Boit (Ken)
 3:36.9 Tom B. Hansen (Den)
 3:37.0† Rick Wohlhuter (UCTC)
 3:37.2 Fanie Van Zijl (S Afr)
 3:37.3 Danie Malan (S Afr)
 3:37.4† Frank Clement (GB)
 3:37.5 Tom Byers (Ohio St)
 Garderud 3:37.5† (3:54.9);

- Dixon 3:37.5†; Boit 3:38.0† (3:55.4); Knut Kvalheim (Nor) 3:38.7† (3:56.2); Marty Liquori (NYAC) 3:39.1† (3:56.6); Hogberg 3:39.2† (3:56.7); Clement 3:39.8† (3:57.4); Paul-Heinz Wellmann (WG) 3:39.8; Thomas Wessinghage (WG) 3:39.9.

STEEPLECHASE

- 8:14.2* Anders Garderud (Swe)
 8:15.2 Garderud
 8:18.4 Michael Karst (WG)
 8:19.2 Bronislaw Malinowski (Pol)
 8:19.6 Garderud
 8:19.6 Tapio Kantanen (Fin)
 8:20.4 Malinowski
 8:20.8 Ben Jipcho (Ken)
 8:21.2 Malinowski
 8:21.6 Takaharu Koyama (Japan)
 8:23.0 Franco Fava (Italy)
 8:23.2 Doug Brown (Tenn)
 8:24.0† Dan Glans (Swe)
 8:24.6† Gerard Buchheit (Fr)
 8:24.8 John Davies (GB)
 8:25.2 Knut Kvalheim (Nor)
 8:26.6† Sergey Skripka (SU)
 8:26.6* Hans-P Waehrl (Switz)
 8:27.4* Jonas Grigas (SU)
 8:27.4 Evans Moga (Ken)
 8:27.4* Sverre Sornes (Nor)
 Kantanen 8:27.8; 8:29.0;
 Karst 8:25.0, 8:27.0; Vladimir Lisovskiy (SU) 8:27.8; Davies 8:28.2; Gerd Frahnke (WG) 8:28.6; Buchheit 8:28.8; Mikko Ala-Leppilampi (Fin) 8:29.0; Jean-Paul Villain (Fr) 8:29.0.

5000 METERS

- 13:14.4 Ben Jipcho (Ken)
 13:16.4 Brendan Foster (GB)
 13:19.0† Steve Prefontaine (OTC)
 13:19.8† Frank Shorter (FTC)
 13:20.4 Knut Kvalheim (Nor)
 13:22.2 Prefontaine
 13:23.4* Dick Buerkle (NYAC)
 13:23.6 Dave Black (GB)
 13:23.6† Paul Geis (Ore)
 13:23.6 Geis
 13:24.2† Emiel Puttemans (Bel)
 13:24.2 Dick Quax (NZ)
 13:25.6 Knut Boro (Nor)



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Europe's Roman Rendezvous

by R.L. QUERCETANI

On the threshold of the European Championships (Rome, September 1-8), many of Europe's greats of the recent past look like uncertain prospects, mostly because old or new injuries seem to have upset their training programs. In this list are Valeriy Borzov, Yevgeniy Arzhanov, Marcello Fiasconaro, Pekka Vasala, Lasse Viren, Juha Vaatainen, Kjell Isaksson, Renato Dionisi, Uwe Beyer, Janis Lulis and Lennart Hedmark. Others like Francesco Arese, Dave Bedford and Nikolay Avilov may well be lost for the rest of the season. Even so, there are some 1971 champions from Helsinki who look fresh enough to repeat successfully in Rome—for example, Kestutis Sapka and Ludvik Danek. In quite a few events, new faces can be expected to play a leading role.

This report is essentially a preview of the continental title meet, written after most national championships but before the big triangular meet West Germany-USSR-France (August 10-11).

■ ■ ■

Sprints: Valeriy Borzov has been up and down this year (p. 21). But as a sprinter who is second to none in hitting top form at the right moment (hasn't he won 9 individual titles, at distances ranging from 50 to 200 meters, in Olympic and European Championships?), he will be the man to beat in Rome too. (If he were only 99% fit, then the tenth [0.1] thus "given away" to his opponents in the 100m could mean trouble for him!) One of his strongest challengers should be Pietro Mennea of Italy, who won his country's titles in 10.2 and 20.4. (Officially, times were given as 10.18 and 20.35, but we have it on good unofficial authority that the electronic timer was geared to a bonus of 0.18 at the start.)

West German Manfred Ommert equaled the European 100m record of 10.0 and twice matched the 100y mark of 9.2 in the same meet. But his international record is spotty so far. Other leading contenders: Vassilios Papageorgopoulos of Greece, Chris Garpenborg of Sweden, East Germans Hans-Joachim Zenk and Hans-Jurgen Bombach and Pole Zenon Nowosz in the 100; Ossi Karttunen and Antti Rajamaki of Finland, Czech Jaroslav Matousek and Joseph Arame of France in the 200.

Karl Honz of West Germany, regarded until shortly ago as a prime choice for the European 400 title, lost two in a row to his countryman Bernd Herrmann (p. 21). Defending European champ Dave Jenkins of Britain (45.5 this year) will find both to be hard nuts to crack. Whether Europe's greatest long-shot prospect, Fons Brydenbach of Belgium, still intends to stay away from Rome, we just don't know. Two Munich finalists, Horst-Rudiger Schloske of West Germany and Markku Kukkoaho of Finland, are striving to regain top form.

■ ■ ■

Middle Distances: Yevgeniy Arzhanov, the defending 800 champion, and Marcello Fiasconaro, the world record holder at the same distance, have been unable to show anything resembling their onetime condition. This projects

Yugoslav Luciano Susanj as the favorite after his pair of 1:44.7s. Youngsters Steve Overt of Britain and Gheorge Ghipu of Rumania (European Junior 800 and 1500 champions last year) and Willi Wulbeck of West Germany are strong possibilities, as are British veteran Andy Carter and East German champion Hans-Hennig Ohlert.

ROME FAVORITES



Susanj—800



Drut—High Hurdles



Capes—Shot

Knut Edvard Holm

Mark Shearman

Ed Lacey

With Olympic champion Pekka Vasala still a long way from his '72 form, and defending European champion Arese not able to compete, the 1500 meters is open to surprises of all kinds. Three Scandinavians top the year's rankings: Ulf Hogberg (3:36.6) and Anders Garderud of Sweden (3:36.7) and the man who beat them both, Tom B. Hansen of Denmark (3:37.0). Briton Frank Clement (3:37.4 NR), Franco-American Marcel Philippe (3:37.9 in his first serious attempt) and Ger-

mans Paul-Heinz Wellmann of the West and Klaus-Peter Justus of the East will also be in the fight.

■ ■ ■

Steeplechase: Anders Garderud's goal for the rest of the season, after his 8:14.2 European record—just 0.2 off the world mark—is 8:10. Of course, he would like to do it in Rome. His progress in speed (3:36.7 for 1500) and stamina surely stamps him as the hot favorite, but he'll have to prove that his nerves can stand the pressure better than they did at Helsinki or Munich. Michael Karst of West Germany, Tapio Kantanen of Finland, Bronislaw Malinowski of Poland and John Davies of Britain will offer him good competition, no doubt. So will Knut Kvalheim, if he chooses the steeplechase.

■ ■ ■

Long Distances: Olympic champion Lasse Viren showed signs of revival in just losing to Pekka Paivarinta at the Paavo Nurmi Games in Turku. His time was 13:30.6. Pending further proofs, he remains an uncertain prospect. Even the world record holder, Emiel Puttemans of Belgium, may not be at his best right now. In Torino he lost to Rod Dixon of New Zealand (what a dangerous newcomer!) over 5000 meters, 13:33.0 to 13:32.6. At the Belgian Championships he won the 10,000 from a strong field in 28:47.6, with Willy Polleunis only a step behind. Just like in Munich '72, Puttemans could do better in the 10 than in the 5. Especially now that Brendan Foster of Britain is coming into his own again, six months after his dramatic fight with Ben Jipcho at Christchurch. After winning the British 5000 title easily (13:27.4), Foster succeeded Puttemans as world record holder for the 3000 with a fantastic 7:35.2.

Dave Bedford, always a good competitor on home soil, won the British 10,000 title in 28:14.8, then got another injury and announced that he would not go to Rome. Norway's surprising up-and-coming forces will be led by the Kvalheims, Knut and Arne, and Knut Boro. They can cover all distances from 1500 through 10,000.

■ ■ ■

Hurdles: Guy Drut is no longer the all-conquering ace he was in the early part of the season. But even if not in top form, Drut must be rated the favorite for the European title (which would be his first outdoors). It is generally felt that Eastern Europeans are likely to lose 0.3 or so vis-à-vis their fast hand times when they come down to Rome and electric timing. The Wodzynski brothers, Leszek and Miroslaw, took turns in doing 13.3 at home—a new Polish record. It was Miroslaw who took the national title though. Defending European champion Frank Siebeck won the East German title by a very narrow margin in 13.6 ("e" time 13.87). He seems to have made no real progress vis-à-vis 1971/72.

In the intermediates, Alan Pascoe in his 48.8 Commonwealth form would be the favorite, but in a mid-August race with Jim Bolding, Alan made it only over 100m before a strained right hamstring brought him to a stop—and his Rome chances into question. Jean-Claude Nallet of France improved to 49.1 in losing to Jim Bolding (48.4) at Nice and will be a worthy defender of his '71 title. Miroslav Kodejs of Czechoslovakia had to be content with 49.7 and third when Ralph Mann finally beat Bolding at Oslo, 49.0 to 49.3. USSR champ Yevgeniy Gavriyenko (49.63) is another steady

performer.

■ ■ ■

Jumps: Dwight Stones regards Jesper Tarring of Denmark as the most serious of European prospects in the high jump. But defender Kestutis Sapka ('74 indoor winner) is a logical favorite, especially after his 7-3/4 national title over Vladimir Abramov and good newcomer Stanislav Molotilov (a straddler, not a flopper as reported last month). Vladimir Maly, the very consistent Czech, and Rune Almen, co-holder of the Swedish record, should be medal contenders. Istvan Major of Hungary performed much below par of late.

With three-time European champion Wolfgang Nordwig no longer in the game, the vaulters' throne is vacant. Continental record holder Kjell Isaksson of Sweden is far from his '72 form and Renato Dionisi of Italy had an injury put him out again (p. 20). European indoor champion Tadeusz Slusarski of Poland, who has done 17-9/2 and 17-8 1/2 (twice), could turn the trick outdoors too. One of his most serious challengers should be Wojciech Buciariski, also of Poland. Vladimir Kishkun, the newly crowned USSR champion, and Yuriy Isakov should be medal contenders, like the unpredictable Francois Tracanelli of France.

Both horizontal jumps have a sovereign trio: Hans Baumgartner-Max Klaus-Valeriy Podluzhniy and Viktor Saneyev-Jorg Drehmel-Michal Joachimowski. Any winner outside this range would be a surprise.

■ ■ ■

Throws: Olympic shot put champion Wladyslaw Komar, good copy for sport journalists who love "color" above anything else (p. 21), still

does not look like a serious challenge to Hartmut Briesenick, Geoff Capes and Reijo Stahlberg, the three leading contenders so far. Defending champ Briesenick still has not come into his own though, and Stahlberg has to prove himself outside of Finland.

Discus ace Ricky Bruch seems to have lost form. At least two men look better on recent form: Pentti Kahma, who upped the Finnish record to 218-3, and Ludvik Danek.

In the hammer, world record holder Reinhard Theimer will face a formidable challenge from a Soviet trio: Valentin Dmitryenko-Aleksey Spiridonov-Anatoliy Bondarchuk. The Olympic champion was surprisingly shunted to fourth at the USSR Championships, but it is not probable that conservative USSR selectors may prefer Dzhumber Pkhakadze (3rd at 236-2, against Bondarchuk's 235-4. Victory and title went to Dmitryenko at 247-9: only four men have ever done better. Spiridonov was a good second at 243-2. West Germans Edwin Klein and Uwe Beyer (the latter won at Helsinki) don't seem hot enough to interfere, but East German Karl-Heinz Beilig could prove a surprise.

Klaus Wolfermann's recent punches in direct clashes with Hannu Siitonen and other leading contenders stamp him as the No. 1 favorite for the javelin title. Janis Lasis, having won four times (a record) between 1962 and 1971, may not find the incentive for a new all-out attempt.

■ ■ ■

Decathlon: The Munich Olympic decathlon of '72 will remain famous for its high number of "casualties," but then the highest price was

perhaps paid by the man who went through it victorious, Nikolay Avilov of USSR. After missing most of the '73 season, injured, he still has to make a convincing comeback. Another who is not fully fit right now: Lennart Hedmark of Sweden. Much is expected from Sepp Zeilbauer of Austria, who has been preparing in secrecy.

■ ■ ■

Relays: The French sprint quartet is no longer what it used to be. The two Germanies, USSR and Italy seem to be the main candidates in the 400, while the longer relay has a clear favorite in West Germany. It will take only a slightly-above-average quartermiler to complement Honz, Schloske (both Olympic finalists in '72) and Herrmann, this year's European leader.

■ ■ ■

Here, for curiosity's sake, are my picks for Rome (as of Aug. 8). Seasonal bests follow each athlete's name.

100: Borzov (10.2), Ommer (10.0), Zenk (10.2). 200: Borzov (21.0/20.84w), Mennea (20.4), Rajamaki (20.5). 400: Herrmann (45.1), Honz (45.2), Jenkins (45.5). 800: Carter (1:45.6), Susanj (1:44.7), Ohlert (1:46.3).

1500: Clement (3:37.3), Hansen (3:37.0), Wellmann (3:39.8). St: Garderud (8:14.2), Karst (8:18.4), Kantanen (8:19.6). 5000: Foster (13:14.6), Puttemans (13:33.0), Paivarinta (13:30.0). 10,000: Puttemans (28:36.0), Kiischmann (28:09.6), Uhlemann (28:24.2). HH: Drut (13:2/13.1w), M. Wodzinski (13.3), Siebeck (13.5). IH: Pacoe (48.8), Nallet (49.1), Gavriyenko (49.6).

HJ: Sapka (7-3/4), Tarring (7-3/4), Dal Forno (7-3i). PV: Slusarski (17-9/2), Kalliomaki (17-6/2i), Kishkun (17-7i). LJ: Podluzhniy (26-5), Klaus (26-10), Baumgartner (26-7i). TJ: Saneyev (55-11/2), Drehmel (55-11/2), Joachimowski (55-10/2i). SP: Briesenick (68-1/2), Capes (70-1/2), Stahlberg (69-9). DT: Kahma (218-3), Danek (220-5), Bruch (223-7/2).

HT: Spiridonov (244-11), Theimer (251-4), Bondarchuk (239-7). JT: Wolfermann (289-6), Siitonen (290-7), Lasis (281-2). Dec: Zeilbauer (-), Hedmark (7706), Le Roy (8074). 440R: East Germany (39.2), West Germany (39.2), Italy (39.2). 1600R: West Germany (3:04.5), Great Britain (3:03.9), East Germany (3:04.0). □

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DAN FERRIS

T&FN Interview by Bob Hersh

There aren't too many things which all track experts can agree upon but one of them is certainly the identity of the individual who has had the greatest influence on American track in this century.

Daniel Ferris was Secretary-Treasurer of the Amateur Athletic Union from 1927 to 1957, a title which belied his true role with the organization—he ran it. Since his "retirement" 17 years ago, Dan has remained active in amateur sports. He can still be found daily behind his desk at the National AAU's New York office. He remains the US representative to the IAAF Council, and is considered one of its most respected members.

On July 7, Dan celebrated his 85th birthday. From his silver hair, and perhaps his slightly breaking voice, you might be able to guess that he is an octogenarian, but then again you might not. For one thing, he's had that hair for decades. Then, too, you'd probably be deceived by his unhesitating and unaided gait, his mental alertness and his general outlook and demeanor, which bear little hint of his age.

T&FN: How did you first come to work for the AAU? Did it arise from your being a runner?

Ferris: No, that came later. I got a job with the AAU in 1907. I had just finished business school and had heard that there was a position open as secretary to James Sullivan, so I took it. At the time, it was just a job.

T&FN: What have been the greatest changes in the AAU since those early days?

Ferris: Well, for one thing, it has grown enormously. When I came to work, I was the only full-time paid employee. By the time I retired, we had a full-time staff of eight. Now there are something like 28, although I can't see that they're accomplishing that much more.

Another very important difference has been the role of the district associations. The national used to get a lot of help from the district people, and the districts themselves were much more active than most of them are now.

T&FN: How would you compare the athletes of the early part of the century with those today?

Ferris: Well, of course, athletes train harder today, and have better facilities. I remember running on cobblestones myself. But there were some great ones then, too. I believe that if Paavo Nurmi were running today, he'd be right up there with the best of them.

T&FN: Who was the greatest athlete you've ever seen?

Ferris (without hesitation): Jim Thorpe. He was not only the Olympic decathlon and pentathlon champion, but he was the best at lacrosse, baseball and

football. He could do anything.

T&FN: While we're asking questions like that, how about the greatest event you ever saw?

Ferris: The 1500 at the 1912 Olympics. Abel Kiviat had just broken the world record, and there were three other strong American entries—John Paul Jones, Oscar Hedlund and Norman Taber. Any one of them could have won, but then the British fellow Arnold Jackson came along and foiled them all. I still remember that race. More recently, I'd say the 800 at the '56 Games, when Tom Courtney was passed in the homestretch and still came back to win.

T&FN: Dan, looking back over the administrative side of your long career, what achievement has given you the most personal satisfaction?

Ferris: I guess that would be the inception of the athletic exchange between the United States and the Soviet Union. That goes back to 1955 when the Soviets had a chess team over here. I asked one of their representatives about possibly getting together in other sports. An exchange of letters followed, then we met with their people at Melbourne in 1956. There we arranged for a wrestling match in New



Courtesy Scholastic Coach

Ferris has been a contemporary of great American athletes since the days of Jim Thorpe. This mid-'30s shot shows him in Madison Square Garden with star miler Glenn Cunningham.

York and a track meet in Moscow, both in 1958. As you know, there has been a great series of athletic matches since then.

T&FN: What would you consider other milestones of the AAU under your leadership?

Ferris: One of the things I've always been very proud of is the Junior Olympic program, which has produced many of our great track men, including Rafer Johnson and Bill Toomey. Another is the national physical fitness program, which the AAU took an important part in and which has been significant both in terms of the national health and, back in the World War II days, in our military preparedness.

T&FN: On the negative side, I would suppose that the most troublesome problem of the AAU has been the long-standing dispute with the NCAA. Do you think that can be resolved?

Ferris: I can't understand why there was ever any argument with the NCAA. As I told Walter Byers once, if the NCAA wanted to, they could virtually take control by having the colleges get active in the AAU, vote delegates and eventually vote in their own officers. They've done this at the district level in some of our associations and they could have done it nationally.

T&FN: Is this still possible?

Ferris: Sure, why not? It could actually be a good thing for the AAU, too, if more people got active at the grass roots level. But what they're doing instead just isn't working. There is no way they can succeed as a separate organization. They've applied to the IAAF, but I assure you that as long as the AAU maintains its program, there is no chance that the IAAF will drop its recognition of the AAU as the official governing body for US track and field.

T&FN: There has been much talk lately about liberalizing some of the restrictions on amateur athletes? What do you think will come of this?

Ferris: There seems to be a tendency to let some of the bars down. One problem is that many athletes cannot afford to leave their jobs and families to make international trips on their own. A proposal now being considered will allow compensatory pay for time lost from work. That seems to me to be a good solution. Of course, the pay will not be allowed to exceed what the athlete would make at his usual job.

T&FN: What do you think of pro track?

Ferris: I think it's a good thing for athletes who want to make money by competing.

T&FN: Do you think there will ever come a time when amateurs will be able to compete against pros?

Ferris: I don't foresee that. □

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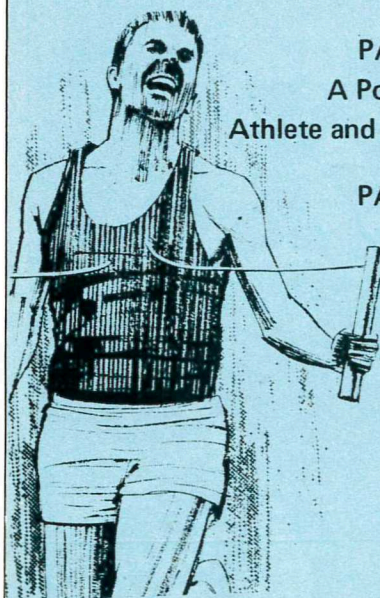


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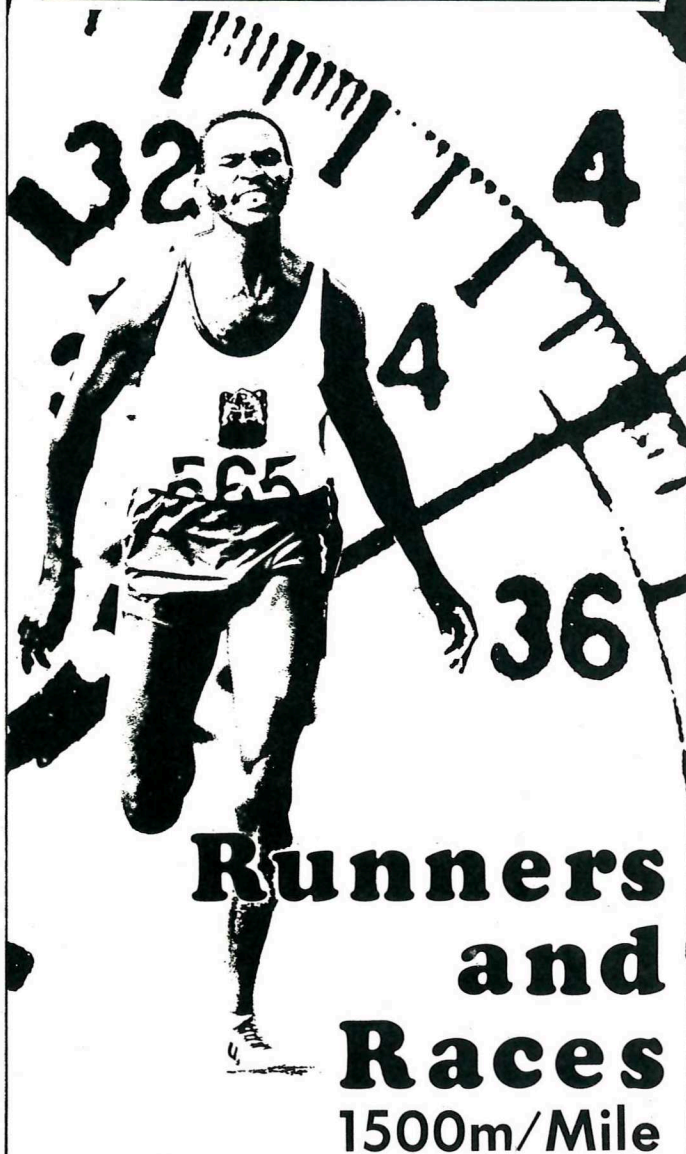
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Synthetic Tracks: The Goo Under Your Shoe

"The track was your basic Highway 101. It was just like a city street," said Bruce Jenner after the US-USSR-West Germany decathlon match held in Tallin, Estonia.

Jenner's experience is by no means unusual. In the 11 years since *T&FN* headlined that Bob Hayes "bounced" to a 9.1 AAU victory on a rubberized-asphalt track, competing on an "all-weather" surface of some sort has come to be taken for granted—unless, of course, as in Jenner's case, the surface happens to be a crummy one. His predicament underscores the fact that there are a variety of surfaces of varying composition and quality (see box).

"Before I started working for Company X, I thought a track was the thing you walked across to get to the football field."—Anonymous all-weather track salesman.

Hyperbole, perhaps, but the statement is indicative of just how fast some companies, and their salesmen, have entered the exploding artificial surfaces industry in recent years. Claims differ, but

by Tom Jordan

the first artificial surface was probably a rubberized-asphalt track installed by the US Rubber Reclaiming Co. in Buffalo, NY in 1950. Over the next two-plus decades, several competing companies installed hundreds of rubberized-asphalt tracks around the country.

Then, in 1964, William McKnight, Chairman of the Board of 3M (Minnesota Mining and Manufacturing) Co. came up with an idea for a consistent, soft surface made of synthetic resin that would protect the legs—of his race horses. The high price of installation (about \$1 million) limited his potential market at the race tracks, but 3M soon found ready acceptance of their new material (named "Tartan" after McKnight's Tartan Stables) by the track and field world.

Today, 3M is by far the largest manufacturer of synthetic resin tracks, over 200 in the US alone, offering the Tartan and the less expensive Highland models. They have been so successful that any type of all-weather surface is often referred to as "Tartan."

In recent years, their monopoly has been challenged by several other manufacturers of synthetic tracks, notably Chevron, which switched its marketing emphasis from a rubberized-asphalt (Grasstex) to a synthetic resin (Chevron 440).

"This is a very good track."—Ivory Crockett after his 9.0 world record on a wet synthetic track.

In the 10 years since the all-weather surfaces have come into widespread use, one factor has become associated with the surfaces—speed. From Hayes's 9.1 on rubberized-asphalt to Crockett's 9.0 on Tartan, times for all events have improved to the point that all standard world marks from 100y to 10,000m, except the mile, have been set on artificial surfaces. To be sure, most major meets since Mexico in '68, such as the Olympics, Commonwealth Games, etc. have been run on all-weather surfaces, but the depth of the fine marks is impressive as well: In the 200/220, 13 of the 15 fastest legal times ever have come on some type of artificial track. The other two

Yesterday and today. When it rained, tracks used to get wet, dirty, and slow. They still get wet, but they aren't dirty and might even be faster, especially for sprinters.

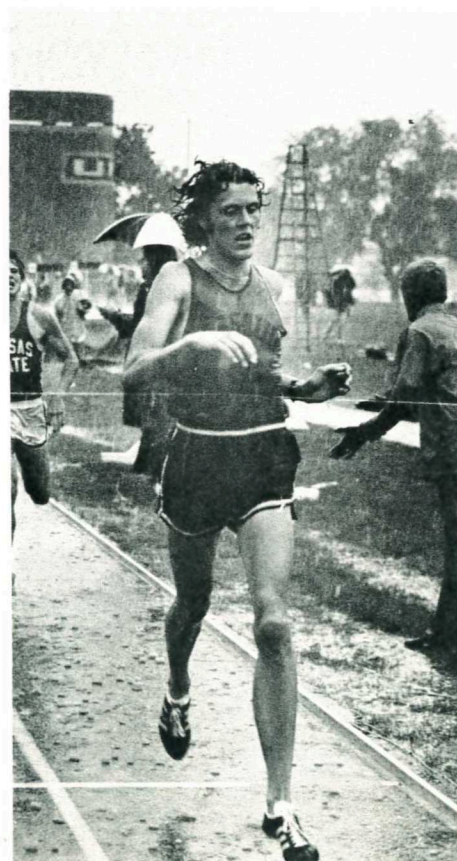
are Tommie Smith clockings on the super-fast Sacramento clay.

The margin in favor of artificial surfaces is even more pronounced at the one-lap distance, where 25 of the top 27 were run on artificial, principally synthetic resin, surfaces, including the top 12.

Added to the speed factor is the ease of maintenance of the all-weather surfaces. In a study of 54 colleges with artificial toppings, Gary Atchison of Washington determined that 87% of the schools installed all-weather primarily to reduce maintenance costs. As well, three-fourths of the colleges reported an increase in available workout days and a decrease in cancelled meets due to bad weather as factors. The speed came as a bonus.

"Sure, we would like to get a different all-weather track, but you're talking about \$120,000 at a time when our budget is being cut."—West Coast track coach.

Into every life, a little rain. . . . And in this case, the rain is the cost of all-weather surfaces. The price tag on the least-expensive rubberized-asphalt type of



surface totals between \$12,000-100,000. The synthetic resins range from \$100,000-170,000 for track facilities and the final figure can climb far higher if other alterations are required. The synthetics may be the Cadillacs of track, but few are the budgets which can afford the initial cash outlay.

"It's the worst thing in the world for your legs. I got the first bad case of shin splints in my life."—Blue-chip Freshman, training on an all-weather surface for the first time.

Some of the older tracks in the US are kissing cousins to the one Jenner competed on—hard, and hard on you. But many of the

Lots of Choices...

Types of "All-Weather" Tracks: Specific brand names are in alphabetical order while categories are listed in descending order of cost.

Category I. Synthetic Resins. Usually a mixture of rubber particles, urethane, and other plastics, poured or rolled onto a base of asphalt, concrete, or a combination of the two.

American Biltrite Uniturf
Borden Elastaturf
Chevron 440
Marathon
Robbins Proturf
3M Highland
3M Tartan

Category II. Rubber-sand-asphalt. "Rubberized-asphalt" tracks are composed of varying quantities of rubber particles asphalt and fillers, hot mixed and poured at the site, often with conventional paving equipment; base of macadam or concrete.

California Products Reslite
Firestone Rub-R-Trac
Medalist
Rub-Kor
Uniroyal

Category III. Rubberized asphalt cold mix. A rubberized cushion with an asphalt seal coat on top; base course of asphalt or concrete.

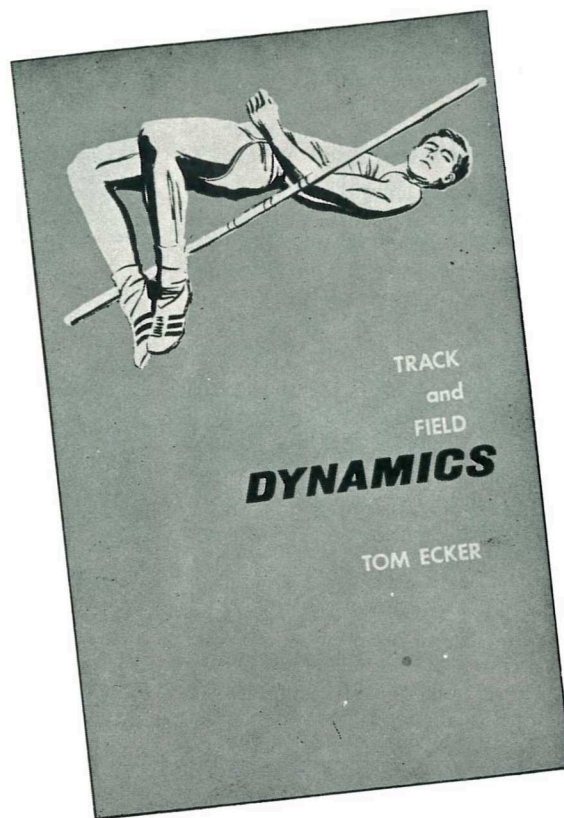
Chevron Grasstex
US Rubber Reclaiming Perma-Track

Category IV. Others of varying composition, such as indoor artificial surfaces.

Borden Fastrac
Dynaturf
Monsanto
Powell Moorhead Enterprises
Robbins Sport-Tread

newer models are very comfortable to run on; so comfortable, in fact, that many athletes train too hard, too often on the surfaces. While most colleges give reduction of injuries as a major reason for purchasing all-weather surfaces, Atchison found only 50% of the schools he polled felt that any reduction actually took place.

But the cost and injury pitfalls aside, all-weather surfaces are the trend of the future. Certainly, all of the future Olympics and other Biggies will employ some sort of artificial synthetic surface. Four manufacturers of synthetic resin tracks have bids under consideration for the '76 Games in Montreal. And as maintenance costs escalate, the punch-in-the-stomach initial cost of an artificial surface may become tolerable to many of the colleges and high schools currently without one. □



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World Scene

JUMPS

SPRINTS

There have been a lot of conflicting reports on the status, physical and otherwise, of double Olympic champion **Valeriy Borzov**. After his 10.2/21.0 victories in the USSR Championships, Borzov said, "I'm far from my best shape. But in Rome I am looking for 10.0 over 100m." Yet in the USSR-Finland match, he lost to teammate **Aleksandr Kornelyuk**, 10.4 to 10.5.

Then US team decathlon coach **Sam Adams** talked at length with USSR head man **Igor Ter-Ovanesyan**, who expressed frank concern over Borzov. "He may be letting down too much," Ter said. "These losses may damage his confidence." He added, though, that Borzov is definitely pointing for Montreal.

Finally, Borzov, who is still starting with only his right hand on the line (he is apparently still recovering from an injury to his left wrist when he ran into a wall last indoor season), was not chosen to run in the tri meet with France and West Germany. Of course, this may well be no more than planned selectiveness by Soviet officials. Rome is the big one for all Europeans this year.

One promising continental who apparently might not be at Rome is Belgian 400 sensation **Fons Brydenbach**. He had to take university exams in mid-August which didn't leave him enough preparation time for Rome. He did run in the Belgian title meet, taking second in the 100 at 10.4 and setting a national 200 mark of 20.7. His 45.0 from early May is still the fastest 400 by a European.

Italy's **Pietro Mennea**, Olympic 200 bronze medalist, may be tough to beat at the Championships after his electric 10.18/20.35 double at the Italian Championships on the *Stadio Olimpico* track, site of the Championships. A few days later, **Steve Williams** easily downed Mennea over a half-lap in Viareggio, 20.2 to 20.5. But Mennea has been keeping a low profile this year with his prime efforts aimed at Rome in September.

Hot duels have been the rule rather than the exception when West Germans **Karl Honz** and **Bernd Herrmann** have tangled this year. Herrmann, who has twice beat European record co-holder Honz (45.21 for both vs. Poland; 45.10-45.60 at the WG Champs.), got offers from eight US universities after *T&FW* mentioned he wanted to come to the US for a year (II May), reports correspondent **Michael Gernandt**. "I want to go to the US to complete my studies and also learn about American quartermilng," Herrmann, 22, said.

DECATHLON

The return of former world recordman **Kurt Bendlin** was notable since he had been out since mid-'72 with an injury to his Achilles. But he returned with 7945 to win the West German title. "It was the most surprising decathlon of my life," he said. "I am in a daze and I am completely surprised, but I am very happy. I would like to compete for several more years and perhaps make another Olympics." But, alas, he missed the



Zigurd Mezavilks

Borzov's one-handed start.

Tallinn meet due to an injury to fingers on one hand.

From Russia With...?

Not even a nice place to visit... The US decathlon team had its share of snafus on its trip to the USSR. The first came right at home when several members of the team, including individual winner **Bruce Jenner**, weren't supplied with official US jerseys or shorts. The team flew to Helsinki, only a short boat ride from Tallinn, but from there went on to Leningrad instead. But their visas had been dated July 30 and it was the 29th—so they had more bureaucracy to fight. Then, their flight was overbooked, so they spent nine hours in the airport.

Then it was on to Tallinn where, Jenner reports, the people and arrangements were superb. Coach **Sam Adams** found some seamstresses, gave them a shirt and shorts for samples and the Estonians returned a few hours later with handmade uniforms for the athletes. "They were nicer than the uniforms some of the guys were issued by the AAU," Jenner said. "Imagine a USA jersey made in the USSR."

Then getting out of Russia, Jenner and Adams really tangled with the Red tape. They had no problems flying Moscow to Brussels, but there they found the Russians hadn't made reservations for them from Brussels to New York. So they flew to London, got a flight to New York and then one to San Francisco. Trouble was they found the US flight stopped in Chicago and Los Angeles before San Francisco. All told, Jenner needed 36 hours to get home to San Jose; Adams needed something over 40 to Santa Barbara.

Europe's leading jumper of '74 is **Jesper Topping**, the jumping Danish doctor. He has a PR 7-3/4 in addition to two 7-3s. Topping first tried the flop after seeing **Dick Fosbury** win at Mexico on television. He is also Mr. Versatility on the Danish team, claiming national records, of 13.7 and 25-7/8 and an equal at 47.6. He also vaulted a PR 15-7/8 the day after his 7-3/4. "The high jump is my prime event," he says, "and I compete in the other events only to help my teammates." Those of you who immediately clicked on his decathlon potential, please note: he scored a PR 7173 in '73 which included marks like 24-8/16w, 6-11/8, 14.4 and 14-5/4—but throws of only 31-5/8, 103-10 and 122-1.

Canada has two fine youngsters in **Dean Bauck** and **Greg Joy**, both of whom have cleared 7-1/8 on tour in Europe. Bauck won all five matches he competed in, all at 7-0 or better. He had only one seven footer prior to the tour. Joy's 7-1/8 was his first-ever seven footer. He will enter UTEP this fall.

Akso Pesonen, 7-2/4i Finn who is only 5-10, is a jailer in northern Finland where his only indoor training site is an old barn. He lands on a heap of hay after taking off from a one-meter square piece of Tartan. He trains there year-round, sometimes in freezing temperatures; he once cleared 6-6/8 in 14° cold.

Pole vaulting might naturally come to Poles—and, in fact, Poland has really leaped up among the world's top vault nations. European Editor **Roberto Quercetani** reports that the top 10 Polish vaulters in '73 averaged 17-3/4; only the US (17-5) and USSR (17-2/2) were better. And the likes of **Tadeusz Slusarski** (17-9/2 NR, 17-8/2, 17-8/2), **Wojciech Buciariski** (17-8/2) and **Wladyslaw Kozakiewicz** (17-6/4) give Poland good depth.

Renato Dionisi, who might have been considered a leading contender at Rome had he been healthy, is out for the year with a severe muscle pull. He had just recovered from Achilles surgery early in the spring.

Former long jump great and now national Soviet coach, **Igor Ter-Ovanesyan** was more than casually interested in **Bruce Jenner's** flip long leap in the triangular decathlon match. "I think it is a style with a lot of potential," he told Jenner. "A guy with a lot of speed could go crazy with the flip."

DISTANCES

Europe's hottest two-lapper right now is Yugoslav **Luciano Susanj**. Owner of two 1:44.7 times, he also has a 1:45.1; next closest European is Britain's **Andy Carter** at 1:45.6. Susanj's first 1:44.7 won't be officially accepted though. The day he ran the race, he was supposed to have raced **Marcello Fiasconaro** in Milan. But there was a mix-up with his tickets when he got to Italy, so he returned home, got some clubmates together and they paced him to the 1:44.7. But 12 days later, he did it again, this time very officially, beating **Mark Winzenried** by 2.7 seconds.

World 1500 recordman **Filbert Bayi** works in Dar-es-Salaam as an air frame technician with the Tanzanian Air Force. He starts work at 8:30 in the morning and quits at 2:00 p.m., but, as he told correspondent **Giuliano Bevilacqua**, "I get up at 5

a.m. to train. I do about 10,000 meters cross country in about 38:00. After work I run differing distances between 150 and 1000 meters, switching them in every possible way."

Bayi sometimes runs into some different problems while training than most athletes. "I was out training one black night when I heard a noise," he says. "I turned around and saw a leopard. I threw some stones at him and he went away, so I went on my way."

The fortunes of Finland's fabulous three V's have been mixed this year. Olympic 1500 champ **Pekka Vasala** trained in New Zealand early in the year and broke four minutes for a mile, but has yet to show any decisive brilliance in the pre-Rome phase of the European season. **Lasse Viren** has trained without problems most of the year but also had mixed fortunes. After spending some time training in Spain he came home and chased **Pekka Paivarinta** to a 13:30.0 5000, finishing 0.6 back. Paivarinta triumphed over Viren in the Finnish 10,000 title race, 28:26.0-28:33.4—but Viren came back to win the 1500 in 3:50.0. Defending double European distance champ **Juha Vaatainen** also trained in Spain and Portugal, warded off a knee injury in April but fell victim to another leg injury in the summer and is likely out of the Championships.

European Editor Roberto Quercetani reports Commonwealth champion **John Kipkurgat**, third-fastest 800 performer in history, started his track career as an intermediate hurdler. He got down to 50.9 but gave up on the hurdles ("too much toil, too many bruises") and concentrated on the 800.

We credited Spain's **Fernando Cerrada** with a Junior 3000 best of 7:56.8 but we have learned Cerrada is now out of the Junior classification. So **Gerry Lindgren's** 7:58.0 is still the Junior mark.

Derek Clayton, the world's fastest marathoner but plagued by injuries, announced his engagement to be married and his retirement from running in early June.

Kenya's **Ben Jipcho** has been cleared of all charges against him that he earned large amounts of money while running as an "amateur" in Europe in 1973. The commission, composed of senior officials of the Kenya Amateur Athletics Assoc. following a request from the IOC, received a written statement from Jipcho in which he categorically denied he had ever been paid to run in Europe. The whole thing arose after Jipcho was quoted in a US sports magazine as saying he earned thousands of dollars in a two-month period while running in Europe. Jipcho said he had been misquoted and misinterpreted and that he often received merchandise gifts but that their value was never more than several hundred dollars.

THROWS

There are no false hopes in the future of Olympic hammer champ **Anatoliy Bondarchuk**: "As long as I stay with my present technique, I won't ever throw 80 meters (262-5). I don't think it's possible with three turns. Only when a thrower can do four, perhaps five, turns and then with maximum strength, will the 80m mark fall."

Finn Pentti Kahma recently threw 58-11 with the shot and 182-11 with the hammer on the same day he hit 211-6 with the disc.

The 66-1½ in early August by Pole **Wladyslaw Komar** was his longest outdoor throw since his 69-6 to win the Olympic title at Munich. All sorts of wild stories circulated last winter when Komar disappeared from the scene for a time, including his death by suicide and killing his wife after discovering she had a lover.

Olympic javelin champ **Klaus Wolfermann** has had a bad knee all year and expects to undergo surgery next spring.

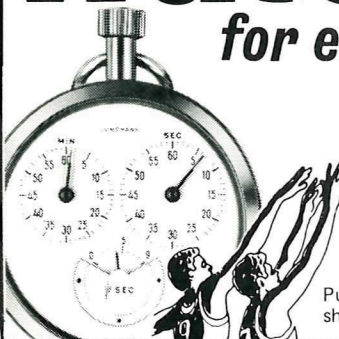
Sweden's **Raimo Pihl**, who returns to BYU this fall, didn't clear a vault height in the Swedish decathlon championship and placed sixth. So he entered the javelin in the national track meet. He switched to the decathlon several years ago after concentrating on the javelin due to right elbow problems. But Pihl popped 278-1 to win the title—a PR by 9-2 no less.

The shoulder injury which virtually ended the career of '64 Olympic champ **Pauli Nevala** still hasn't healed properly. "But I am able to throw a poor 70 meters (229 plus) now," he says. Almost 34, he hasn't completely given up hope of competing again. "But I won't come back unless I can go over 85 meters (278 plus). There is no use throwing darts nowadays."

Janis Luris doesn't throw darts either. No thrower has exceeded 90 meters (295 plus) as often as the four-time European champion. But 100m (near 320 feet) is another question. "To speak of 100m is easy; to throw it is another thing. I think it will happen when all the experience of the present-day thrower is combined. That will take about 10 years. In the near future, though, I think 95-96m (311-314) is possible." □

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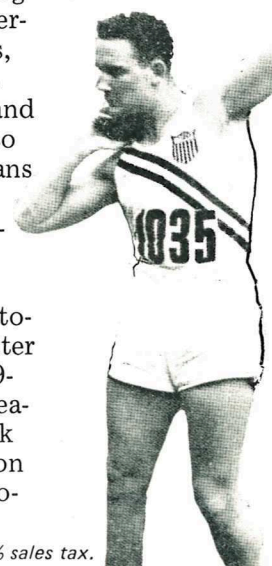
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THE GREAT ONES

Cordner Nelson

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Thirteen of track's foremost heroes are the focus of this book by former T&FN editor, **Cordner Nelson**. He recounts the undying deeds of **Nurmi**, **Owens**, **Warmerdam**, **Dillard**, **Zatopek**, **Mathias**, **O'Brien**, **Rafer Johnson**, **Glenn Davis**, **Oerter**, **Elliott**, **Brumel** and **Snell**, in a fashion guaranteed to excite the memories of older fans and provide good reading for newer enthusiasts. And in a 56-page section at the end of the book, 179 profiles of other "great ones" of yesterday and today are offered, from **Ashenfelter** to **Zsivotzky**, **Lon Myers** (1879-1887) to **Jim Ryun** and **Bob Beamon**. It's a great reference work as well as great reading. Put it on your "must read" list. 14 photographs. 224 pages. Hard cover. 1970. \$6.75 *Calif. residents add 6% sales tax.*



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On Your Marks

JIM MURRAY, that master of hyperbole, came up with a great capsule description of super decathlete Rafer Johnson: "When Rafer Johnson was a teenager he won so many track events some people thought he was a high school."

Four of five members of the Parshall, N.D., school board were jailed in May for refusing to allow a tobacco-chewing American Indian to join the local high school team.

Super-promoter Al Franken, after a three-year absence, will return as chairman of the San Diego Indoor Games. Franken's known ability to attract great fields should enhance an always-fine affair.

Two doctors from the University of Texas Health Science Center gave a report in June which says that isometric exercises may bring death to those with high blood pressure.

The NCAA has followed the lead of the Western Athletic Conference in placing Arizona coach Willie Williams on probation for one year [1 April], and forbidding track scholarships for the '74-'75 season.

Our bio-rhythms article [1 April] has stimulated some research. A grad student in exercise physiology, Larry Jeffreys, is collecting information on the subject. He wishes that any interested athletes send him their age, date of birth, sex, and list of performances (good and bad) with their dates. His address is 812 La Veta N.E., Albuquerque, N.M. 87108.

Edmonton, Alberta, the site of the 1978 Commonwealth Games, has received its first funding. The Canadian federal government has announced that it will contribute up to \$12 million, about a third of the expected costs.

After the Northern Illinois Track Coaches Association, the USTFF and the NCAA filed a lawsuit, the AAU relented on its position not allowing foreign athletes to compete in the International Prep Invitational [11 June], agreeing to issue invitations.

Jim Bentley (Reno, Nev) is the first race walker to be offered a full athletic scholarship in this country. NAIA power Eastern New Mexico is the school to make this step forward.

After a six-year tenure, the Astrodome Indoor affair has been cancelled. After breaking even once and losing money five times, the Houston Sports Association decided it was no longer feasible to continue with the meet. Which probably means that the world's fastest track (a mammoth 352y banked board) won't be producing any incredible times for a while.

♦ ♦ ♦

IVORY CROCKETT has reaped honors since his historic 9.0. June 19 was declared "Ivory Crockett Day" in the state of Illinois.

Speaking of "days," May 27 was declared "University of Tennessee Track Day" in the Volunteer State. And that was even before the Vols won the NCAA title.

Firm dates have been established for the Pan-Am Games in Sao Paulo next spring: April 26-May 11. No method of selection for the US team has yet been announced.

Bob Seagren and Steve Smith are carrying their vault rivalry out of the the track arena. The pair

collided in a mid-August preliminary round of the Superstars competition. Seagren was the overall winner, picking up \$16,000, while Smith was second at \$8,000.

Eight trackmen are among the 32 athletes recently awarded post-graduate scholarships of \$1000 by the NCAA. The biggest name in the group is that of Tony Waldrop (North Carolina). Others: Carl Lawson (Idaho State), Ed Wright (Texas), Manuel Rivera (Brandeis), Paul DeLaisch (St. Olaf), Roger George (Fresno State), Terry Skaggs (Northwestern Louisiana) and Thomas Tucker (Morningside).

Sheldon Wallman of the *Jewish Sports Review* would like more information on Jewish athletes for his publication. He welcomes submission of all marks. Send all information to Sheldon Wallman, c/o *Jewish Sports Review*, 70 West 95th St., N.Y. 10025.

A notable piece of legislation from the annual meeting of the Collegiate Commissioners Association: the opening date for the signing of interconference letters-of-intent (in track) has been moved from April 17 to April 9, effective next year.

♦ ♦ ♦

TAFWA (the Track and Field Writers of America) has elected Dick Moore of the *Fort Worth Star-Telegram* as its new president. Nordy Jensen, WAC information director, was elected vice-president.

There is a good chance that Peter Snell, one of the greatest middle-distance men of all time, will move to the US. The 35-year-old Snell would attend UC Davis to study physical education. The school is noted for its work in physical fitness and human performance.

The State Department had a hand in two recent tours by US track people. A group of five coaches (South Carolina's Bill McClure, Cal Poly/SLO's Steve Simmons, South Plains JC's Clint Ramsey, Chicago Bloom HS's Steve Miller and USTFF Director Carl Cooper) gave two-week clinics in Nairobi, Kenya, then Lagos, Nigeria, followed by Abidjan, Ivory Coast. Accompanying them were athletes Bernie Allen (South Carolina), Al Sample (Army), Chuck Drury (Ranger JC), Andre Carpenter (Mesa CC) and Mike Thompson (Florissant Valley JC).

Another group, headed by Jim Klein of Westmont, Jim Crakes of International U and Scott Chisam of Arcadia HS partook of a 35-day coaching tour of Pakistan, Bangladesh and Ceylon.

The Olympic Games romance which crossed the iron curtain and grabbed world headlines in 1956 ended in a Santa Monica, Calif., divorce court recently. Hammer throw gold medalist Harold Connolly divorced his Czechoslovakian wife Olga, ending a 17-year marriage.

Australian medical doctor Guy Grant, of Davenport, Tasmania, revealed at a recent medical congress in Australia that he has hypnotized dozens of athletes. "My men frequently demoralize other athletes who know they are running against hypnotized competitors." Grant once played squash for 43 consecutive hours under self-hypnosis.

New US ambassador to the African nations of Botswana, Lesotho and Swaziland is Dave Bolen, who finished fourth in the 1948 Olympic 400.

In 1967, the city of New York spent over \$150,000 to construct an indoor bubble track facility at Randall's Island, site of the 1964 semi Olympic Trials. Today, sections of the \$30,000 indoor track lie under the stands. The wood is warping and the metal supports are rusting. Volunteer worker Don Spitzer pushed for the facility in the 1960s but lack of interest has since caused its fall. □

Status Quo

Fans of the new WFL will have noticed that US long jumping is now minus a 26-foot long jumper. Starring in the defensive secondary for the Memphis Southmen is David "Spiderman" Boyd, late of Fisk.

NCAA 100 seventh-placer **Bill Collins** of TCU is just a junior, not a senior as reported in the NCAA edition.

International distance runner **Dick Bowerman**, a member of the WUG team last year, missed the AAU this year because of the pressures of his medical studies (a schedule of neurology service). He says, "It is very discouraging to see other runners of my caliber progressing throughout the year and myself sitting on the sidelines. I am giving serious thought to laying out my senior year and training."

Versatile **Eamonn Coghlan** of Villanova, the IC4A's indoor 880 and outdoor three-mile champ, missed the NCAA when he had to return to Ireland because of illness in the family.

US Junior hammer record holder **Alvin Jackson** (203-2) of Penn State missed this past season because of scholastic ineligibility. He will regain

his eligibility if he improves his grades.

45.7 frosh sprinter **Evis Jennings** missed the NCAA when the SEC ruled that he was scholastically ineligible.

Seton Hall's **Charles Joseph** will play soccer for his school this year. Joseph was chosen for the national team in his native Trinidad when younger, but passed it up to concentrate on track.

Skip Kent is presently on Okinawa with the Marines. The 1973 NCAA 880 champ plans to continue training and hopes for good years in '75 and '76.

Multi-jump talent **Ed Lennex** severely strained both knees trying a high/long/triple triple at the IC4A and had to pass the NCAA.

Former prep two-mile record holder **Rick Riley** reports, "I have gone into semi-retirement to heal all my aches and pains that seem to come so frequently now." He adds, "The boy-wonder is going on 27 you know."

Munich silver medalist **Robert Taylor** didn't sprint this year and can probably be counted on as retired. He tried out (without success) with the WFL and is now a life insurance agent in Houston.

OF PEOPLE & THINGS

by Bert Nelson

HALL OF FAME selections reflect arbitrary, personal opinions and are certain to produce controversy. No wonder that I find some objections to the list of initial inductees to the US Track & Field Hall of Fame (I Aug., p. 29).

My complaints mostly involve omissions, not inclusions. I realize some great athletes have to be left out when there are only 21 spots and the selectors did an admirable job, on the whole.

But how could they have overlooked the likes of Bob Beamon when everyone agrees his 29-2½ jump is the greatest performance in track history? Or Ted Meredith, the 1912 Olympic 800 king whose world record in the 880 stood for 20 years and whose 440 standard lasted 27 years? Or Tommie Smith, surely the greatest long sprinter the world has seen? Or Jim Thorpe, who won the 1912 decathlon by more than 700 points. Or Bob Hayes, the best short sprinter yet?

There are others, of course, but these stand out. Of the 21 selected, I agree that 20 are very deserving of a place in anyone's hall. But I would have waited on Robert Simpson until a 100 or more others had been chosen. His chief claim to fame seems to be that he was the father of modern hurdling style. This may be a noteworthy contribution, but as an athlete his credentials are limited—a world record (14.6) that lasted only four years and two AAU wins (1916 and 1919). He didn't make the 1920 Olympic team.

■ ■ ■

QUESTION. Which countries have the greatest overall record in hammer throwing competition? Answer: the United States, USSR, and Hungary, with the US leading.

Yes, even though it has fallen on hard times in recent years, the US has a glorious hammer history. America has won seven Olympic hammer titles to three each for the USSR and Hungary, two for Ireland and one for Germany. It owned the world record from 1895 to 1937 and again from 1956 to 1965.

The Soviet Union has had the top-ranked world athlete 13 years since 1946 but has held the world record for just four years. Hungary has topped the rankings six times and owned the record eight years.

Four towering figures wrote US—and world—hammer history. John Flanagan raised the world record 17 times, to a high of 184-4, from 1895 to 1909, and won the Olympics of 1900, 1904 and 1908. Matt McGrath got one world mark (187-4), won the 1912 Games and displayed phenomenal longevity by placing second in both 1908 and 1924. Pat Ryan, the 1920 OG winner, held the record (187-6½) from 1913 until 1937. After Fred Tootell won the 1924

Olympics there was a long dry spell until Hal Connolly came along to win the 1956 Olympics. He broke the world figure seven times 1956-65 (best of 233-9½) and placed in the top three world rankings for 11 years.

■ ■ ■

WATCH CERTIFICATION is not called for in rules regarding world records, as noted here last issue. But now the IAAF has come forward with a new world record application form which clearly requires certification.

Each official timekeeper must attest that the watch used by him "has been certified and approved by my National Association." Then the meet referee must guarantee that all information on the form is accurate. It's a proper procedure, but it's going to pose problems.

From a practical standpoint, how are

HENDERSHOTT'S

by Jon Hendershott

ISN'T IT ABOUT time we established a real "World Championships" for track? I think it's long overdue.

As things stand now, we have the world championships only once every four years. They also happen to be called the Olympic Games.

Only once every four years do the supposedly best athletes in the world gather all together to settle the question of just who is best in each event. But often some of the "best" aren't there, through injury or illness, retirement or loss of form.

Such athletes as Dutch Warmerdam, Hal Davis, Arne Andersson, Gundar Haegg and Les Steers—all world record holders and peerless in their day—never made the Olympic arena. True, World War II happened to stand in their way, but there have been plenty of others who were up in the between-Games years, but down or out when the Games rolled around again.

Actually, my thoughts were prompted by talking with Bruce Jenner, winner of the first-ever team decathlon competition for US 10-eventers. Bruce said one of the things he liked most about the US-USSR-West Germany get-together was the fact a lot of good decathletes were assembled all together in the same meet.

"We need a world championship," he said. "All the other events don't have a world championships either, but the decathlon is often run separately, so we could get our own."

The wheels started turning: have the championships in the even-numbered year between Olympics, like this year. (I admit I couldn't help thinking who would beat Bruce this year for the world title?) Hold

timers all over the US going to have their watches certified and approved by the AAU? If just one timer fails to do so will he and the referee have the courage to so state, thus opening the way to invalidation of the record? Would it be fair to the runner to have his record passed over because one watch wasn't certified in advance? Would it be fair to all other runners to approve the record?

■ ■ ■

SHORT SPRINTS . . . Did you realize that when a watch runs slower it produces faster times? . . . A formula for projecting times at one distance from known times at two other distances indicates that Rick Wohlhuter should be able to run 1320 yards in 2:47.0 and 2000 meters in 4:53.7 . . . The AAU runs its championships in meters and the rest of the two international meets were in meters, but the relays in the US-USSR Senior and Junior meets were 440 yards and one mile. Why? Because "it would have been too hard to change the staggers and zones." Satisfied? Me neither. □

the championships in a permanent site, perhaps in Greece, or Finland—or even Eugene. Regardless of the specific site, hold the meet at the best possible site in terms of facilities, officiating and spectator support.

Have either a qualifying standard which any number of athletes from one nation could meet to compete (Bruce suggested 7850 in the decathlon to bring out the very top athletes) or a trial meet to determine team members.

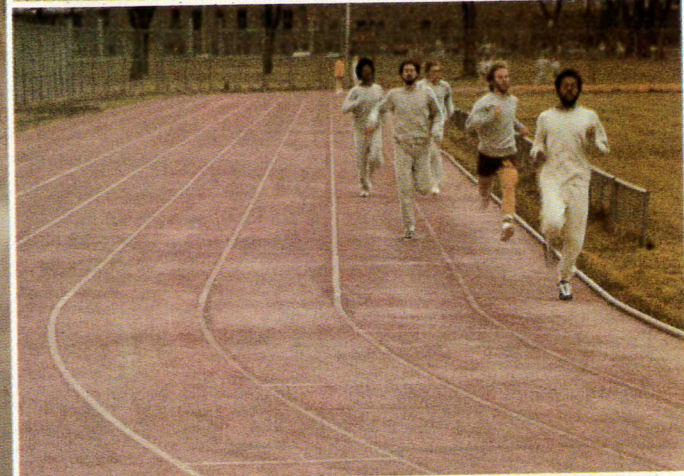
Plain and simple, get the very best athletes together to battle for the world title.

In fact, if "World Championships" could be held every two years between Olympics, why not every year? Swimming has started annual global championships. Track should too.

If even one event, like the decathlon, took the initiative and got its own world title meet started, it wouldn't take too long until we had a world meet for everyone.

And how many athletes wouldn't like a shot at the title of "World Champion"? Four years is just too long to wait to determine the world and Olympic champion. I often think the Olympic champion is merely the athlete who was best that day or throughout one season or even just part of one season.

But the world championships could be a good indicator of the true greatness of an athlete. I will always revere Janis Lusia. To me, his four consecutive European javelin titles (going back to 1962) are irrefutable evidence of his greatness. Of course, a complete set of Olympic medals ain't bad either. □



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Dellinger Indicts Heat & Humidity Combo

Shocking. That's the only word to describe a statement by Oregon coach Bill Dellinger shortly after the NCAA:

"Right now, it would be my decision to keep our runners home from the NCAA [next year] to compete in the Restoration Meet."

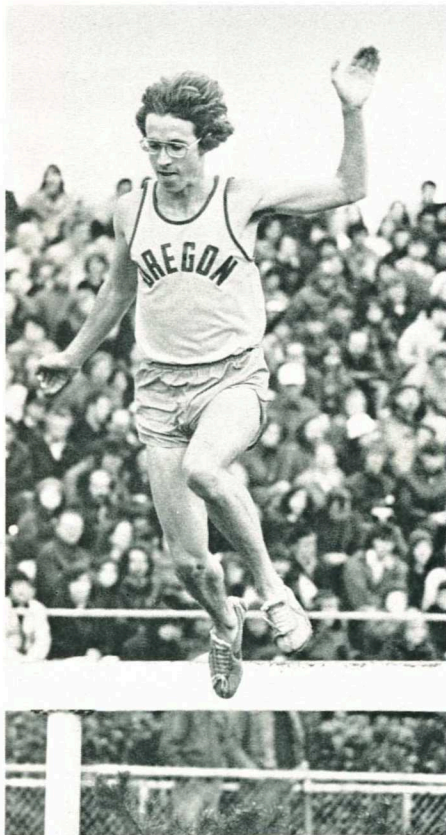
Yet, that was in the opening of the Eugene *Register-Guard* column of Blaine Newnham.

"What did it prove running in Austin? What will it prove running in Philadelphia in 1976? Or even at mile-high altitude Provo in 1975?" Dellinger continued.

Dellinger had reason to be upset. The vaunted Duck distance corps had just collapsed at the NCAA. Sub-4:00 milers Mark Feig and Scott Daggatt ran 4:21.2 and 4:23.4 in their heats. Baton Rouge scorer Steve Bence ran a lifeless 1:51.6. Sub-9:00 steeplers Gary Williams and Todd Lathers ran 9:11.2 and 10:03.0. Similar drops were recorded by Tom McChesney in the three (13:46.2 to a non-qualifying 14:23.4) and Terry Williams in the six (28:03.0 to 31:03.2).

"For a while," continued Dellinger, "I thought about jumping in the swimming pool with a weighted vest on."

An answer to the Duck demise came from Hawaii coach Bob Tracy, who owns a PhD in physiology and has done a lot of work in the field of effect of heat and humidity on runners.



TOM McCHESNEY

Time is the key to acclimatization

"Basically," reported Dellinger, "he has determined that if both the heat and humidity are above 80 [not uncommon in Austin], then there is no evaporation of sweat on the skin to cool off the surface blood. The uncooled surface blood then returns to the core of the body where the temperature can reach 108°. That temperature can cause convulsions."

Since Eugene enjoys spring weather that is only moderately warm (with low humidity) one can see the problems that might crop up.

"I explained all this to the kids later," said Dellinger. "They were wondering what happened to them. It's an out for them—but in this case it happens to be true."

"I went out and ran three miles every day myself in Austin. You just feel yourself getting hotter and hotter. The brain will often send blood to cool off the core, and you can feel yourself getting dizzy." As one who participated in the US-USSR meet in Philadelphia in '59 (and saw the infamous heat-affected 10,000) Dellinger knows the pitfalls.

Being in charge of a distance-oriented program can obviously have its drawbacks. "Why do we have to subject our athletes to those types of conditions?" Dellinger asks. "Why do our coaches choose such sites? The athletes should have a voice in the selection." He suggested that perhaps the NCAA should have several permanent sites, all with ideal conditions, and that the meet should just rotate among these select few.

As for what to do now, Dellinger added, "Tracy said that he has determined that it takes two weeks or so to acclimate to the heat and humidity. But you have to eat, sleep and train in the heat and humidity. Most of our time in Texas was spent in air-conditioned dorms. I bet we didn't spend more than two hours a day in the heat. In order to acclimate, we should have taken our sleeping bags and tents down there and just camped out on the infield."

McChesney is a case for proving the theory. After his poor three mile, he remained in Austin and trained there for two weeks prior to the Junior Championships. He won the latter meet's steeple in a PR 8:56.4. "He made the transition," says Dellinger.

'Amateur' Changes ?

If the International Amateur Athletic Federation heeds the recommendations of its Amateur Status Committee, the working definition of an "amateur" may undergo a drastic change in the near future.

The report of the Amateur Status Committee was released in late May to IAAF members, as well as to members of

the IOC, for review.

The IOC has proposed changes to its eligibility rules and will vote on ratification at its October meeting in Vienna. So the IAAF committee urged that the rule changes proposed in its report become effective at the IAAF Congress's meeting in Rome this summer so that the IAAF would be on record with the IOC before October.

Perhaps the most notable change proposed deals with IAAF Rule 53, "Ineligibility for International Competition." The rule currently specifies anyone is ineligible to compete in competition under IAAF rules who "has competed in any sport for any pecuniary reward" or "has ever received any pecuniary consideration for teaching, training or coaching in any sport."

The proposed new rule, however, reads, "... has competed in any sport or has taught, trained or coached in any sport for any pecuniary reward. The Council is empowered, however, to declare eligible any person who has received pecuniary rewards in a sport other than athletics [track and field] if it is satisfied that the practice of that sport is not of direct help for any athletic event."

This means, for example, a professional jockey could compete in cross country. Whether a professional football player could compete in track would be a matter of interpretation. But, as the report notes, an athlete declared eligible under this proviso might not be eligible for the Olympics since IOC rules prohibit such athletes from the Games.

Another major rule proposal would allow athletes to be compensated for loss of earnings resulting from training for and competing in such specific international competitions as the Olympics, world championships, other area or group championships, meets between two or more IAAF members, or "all international meetings or any meetings in which any foreign athlete takes part."

The new rule would allow "broken-time payments" for a maximum of 60 days of preparation and 45 days of competition per calendar year, to be authorized by the national governing body. IOC rules permit compensation not to exceed 60 days per calendar year, but only for preparation for Olympic competition.

Further revisions would up the allowed per diem to \$5.00 US from \$3.00 ("to account for inflation") and the limit of days for which traveling expenses are paid from 28 to 45.

Perhaps a token acknowledgement of the flaunting of expenses rules by some athletes and organizers was made in the recommendation to delete the sub-section specifying "payments must be made through the National governing bodies" since, "it is considered this condition has become impracticable and is not enforced."

The restriction that an athlete cannot display advertising material on his person while training may be amended to only while competing.

Ryun Narrowly Holding Off Walker, Bayi in Mile Chase

Jim Ryun's empire is shrinking. Rick Wohlhuter took away his 880 record last summer, Filbert Bayi snatched the 1500 this winter and Tony Waldrop grabbed the indoor mile 15 days later. But King Jim still holds onto the most precious jewel in his diadem—the outdoor mile (3:51.1).

That's the one that people relate to, even though it's not really the fastest race ever run. Tanzania's Bayi (3:49.2) and New Zealand's John Walker (3:49.5) are equivalently faster, using their 3:32.2 and 3:32.5 performances for the 120y shorter 1500m. (*All equivalents are calculated using the standard T&FN method: add 8.0% to 1500 times, subtract 7.4% from miles.*)

But JR fans can still take pleasure from learning that Ryun is also the greatest ever depthwise. Calculating the average of runners' 10 best races, Ryun is on top, withstanding a super '73 campaign by Bayi and an even better '74 for Walker.

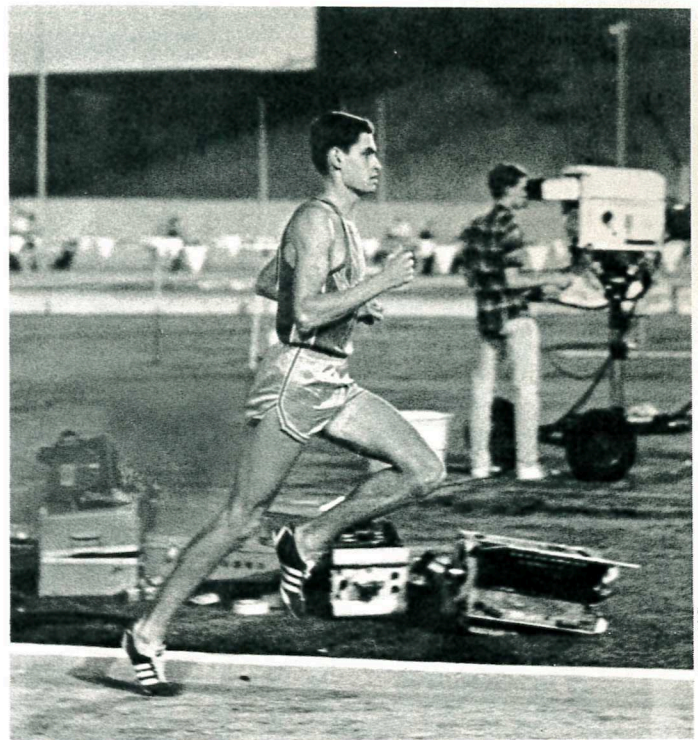
There seems little doubt that sometime in the near future both Walker and Bayi should outstrip Ryun. While Ryun took a span of eight years ('65-'72) to record his top 10, both Walker and Bayi have their in two short seasons.

Although Ryun is currently on top with a great 3:35.96/3:53.22 average, Walker is only 0.23 behind, and could pass Ryun with one more great race. Bayi is a scant fraction behind Walker (because of the properties of percentages, he is 0.02 behind in the 1500, 0.03 in the mile).

Detailed records of the top three's best 10 (converted marks in parentheses):

RYUN		WALKER		BAYI	
3:33.1	(3:50.1) '67	3:32.5	(3:49.5) '74	3:32.2	(3:49.2) '74
(3:34.0)	3:51.1 '67	3:33.4	(3:50.5) '74	3:34.6	(3:51.8) '73
(3:34.2)	3:51.3 '66	3:34.3	(3:51.4) '74	(3:35.4)	3:52.6 '73
(3:35.6)	3:52.8 '72	3:35.4	(3:52.6) '74	3:35.6	(3:52.8) '73
(3:35.9)	3:53.2 '67	3:35.7	(3:53.0) '74	(3:36.8)	3:54.1 '74
(3:36.4)	3:53.7 '66	(3:37.5)	3:54.9 '74	3:37.0	(3:54.4) '74
(3:37.3)	3:54.7 '67	3:38.0	(3:55.4) '73	3:37.2	(3:54.6) '73
(3:37.4)	3:54.8 '71	3:38.2	(3:55.6) '73	3:37.5	(3:54.9) '73
(3:37.8)	(3:55.2) '68	(3:38.4)	3:55.8 '74	3:37.9	(3:55.3) '73
<u>(3:37.9)</u>	<u>3:55.3</u> '65	<u>(3:38.5)</u>	<u>3:56.0</u> '74	<u>3:37.9</u>	<u>(3:55.3)</u> '73
3:35.96	3:53.22	3:36.19	3:53.47	3:36.21	3:53.50

For lesser numbers of races, Ryun doesn't fare so well. The top three's progression through races: one—Bayi, Walker, Ryun; two—Walker, Bayi, Ryun; three through six—Walker, Ryun, Bayi.



Steve Murdoch

RYUN THE KING

3:51.1 at Bakersfield, June 23, 1967

It isn't until seven races are figured in that Ryun is best.

The remainder of the top 10 is a mixture of the old and new: 4. Kip Keino (Kenya-ITA) 3:36.41/3:53.70; 5. Ben Jipcho (Kenya-ITA) 3:37.36/3:54.75; 6. Rod Dixon (New Zealand) 3:37.48/3:54.87; 7. Michel Jazy (France) 3:36.89/3:55.30; 8. Jurgen May (East-West Germany) 3:37.90/3:55.30; 9. Peter Snell (New Zealand) 3:38.06/3:55.49; 10. Francesco Arese (Italy) 3:38.21/3:55.64. With three of the top nine, New Zealand rates as the top nation.

The only other US runner who is close is Len Hilton, at 3:38.25/3:55.69. Filling out the American top 10: 3. Jim Grelle 3:38.55/3:56.04; 4. Dave Wottle 3:38.70/3:56.19; 5. Marty Liquori 3:38.73/3:56.23; 6. Steve Prefontaine 3:39.33/3:56.87; 7. Jim Beatty 3:39.45/3:57.05; 8. Dyrol Burleson 3:39.58/3:57.14; 9. Tom Von Ruden 3:39.74/3:57.32; 10. Tom O'Hara 3:40.20/3:57.80. New hope Tony Waldrop rates 11th with 3:40.32/3:57.95. /Garry Hill/

Are Toomey, Boston Getting the Shaft?

To paraphrase Abraham Lincoln, you can't please some people even some of the time. So it seems with CBS' track coverage, which has been the target of some scathing criticism after its '74 presentations.

Specific blasts have often been leveled at the announcing team of Bill Toomey, Ralph Boston and Brent Musburger—"the babbling idiots," "the Three Stooges," etc.

But one viewer out there in television land thinks at least Toomey and Boston are getting a raw deal.

Jerry Dyes, Northwest Louisiana track coach and former national-class long

jumper, javelinist and decathlete, feels: "These two men have contributed more to track than a barrelful of the names on those critical letters.

"I only vaguely know both men, but I do know of their past efforts. I was competing in the '60 Olympic Trials when Ralph Boston won the long jump. He was from Laurel, Miss., and Tennessee A&I and I, like most everyone else, had never heard of him. Athletes from those areas didn't win the Olympic Trials—or the Olympics later. I remember hearing a live broadcast of Boston's 27-foot jump in '61. Twenty-seven is still a great jump. Boston was outstanding in many other events. He had great talent but, like most top-class athletes, he had to work hard for his accomplishments.

"I first met Toomey in a college dual meet in '63. He was world-class by '66 and

Olympic champion within two more years. He seemed like a man who knew what he wanted—the Olympic title and world record—and he worked and got them.

"I feel both will become even better analysts because of all this criticism. This bellyaching can easily ruin a good thing because the network could simply forget the whole thing. There were days not too long ago when the Olympic Trials and Games were the only chances to see track on the tube.

"Also I have known many self-righteous people who have lost their best facts, wit and even words before a microphone or camera. Toomey and Boston have paid their dues in track. If someone doesn't like their commentary, he should turn down the sound and watch the meet in silence. Or add his own expert commentary to the races." □

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Last Lap

Maybe US Isn't Bad Place

And we think we have it bad here department: correspondent Howard Barnes recently returned from a coaching assignment in the little Central American country of El Salvador and had many interesting stories to tell. The two best:

- More than 90% of the track athletes in the country presented a petition to the head of the national Olympic Committee and Track Federation, Col. Larios Guerra, asking for a complete overhaul of the federation (sound familiar?). But they first released the petition to a couple of big newspapers. The colonel not only gave an emphatic no, he also dispatched the army (complete with machine guns) to the stadium to make sure that no active protest took place.

- Deciding to emulate their neighbors to the north, two leading distancemen decided to streak the National Stadium. Being slightly more reserved than those in this country, they only did about 200 meters. And they did it at 1:00 in the afternoon (during siesta). Unfortunately, the stadium manager saw them and reported them to the federation. The dynamic duo has now been suspended from running in federation meets for a year, *and*, will not be allowed to train in the stadium during their suspension.

Revealing Cultural Exchange

Speaking of streaking, the US-USSR meet in Durham became the major track affair to be so honored when a young man swept across the field in the interim between the two sprint relays.

Al Carson of the *Durham Sun* reports that "The Streak" received a thunderous ovation for his efforts.

"Is he crazy, is he crazy?" asked women's discus winner Faina Myelnik, who ran out towards the track as he went by.

An interpreter reported that the Soviet women's relay team was astounded. "They thought he was coming back," he reported. "They wanted to know if he had an argument with someone and lost. I told them it was a fad. Then they asked how fast he was and said he should be on the American team."

New IOC Amateur Definition

The IOC has formally announced a new draft rule on amateurism to be presented for a vote in Vienna on Oct. 20-24. Details of these proposals were carried in the II May issue.

Although the new rule partially states, "A competitor must not be or have been a professional in any sport," an alternative may be accepted—"A competitor must not

or have been a professional in any sport except with the agreement of the international federation concerned and approval of the IOC."

In addition to the amateurism proposals, strong new wording was provided for doping control: "Any athlete refusing to take a doping test or found guilty of doping will be eliminated. If the athlete belongs to a team the match or competition shall be forfeited by that team. A team in which one or more members has been found guilty of doping may be disqualified for the Olympics."

It was added that members of such a disqualified team (but not the drug-takers themselves) might be able to compete further on an individual basis, with the agreement of the IOC.

A report on IAAF amateur goings-on appears on page 27.

Coach Quits Over Discipline

Ohio U coach Meade Burnett has announced his retirement from collegiate athletics. Burnett, who spent six years at Ashland prior to the last three at Ohio U, is leaving because of "permissive attitudes" on campus.

"For the past two years I have been studying the Bible very hard and am now one of Jehovah's Witnesses," he said. "I feel there are certain compromises that present-day coaches must make in accepting the morality of today, and I can no longer accept these.

"It's basically because of the permissive attitude of the universities; simply because it is more important for them to fill an enrollment quota than it is to hold the line on necessary disciplines of our young people.

"As a person who would be in a position of recruiting young men to leave their homes and possibly live in dormitory situations where there is a lack of discipline—exposing him to availability of drugs without a certain amount of parental guidance—I was put in a position where I could no longer do these things."

'God Squad' No Big Deal

Although there were widely circulated reports nationally that a religious conflict has split the University of Washington team, it now appears that that issue was a minor one.

Reports that the team was sharply divided between members and non-members of the "God Squad" cropped up at the time of assistant coach Dan Ghormley's resignation. The God Squadders were said to be head coach Ken Shannon's men, the others Ghormley's.

"The God Squad was not as big an

issue as had been described," says athletic director Joe Kearney.

Ghormley, who has since taken a job as events director at Washington State, publicly confirmed that the religious question had nothing to do with his resignation.

Team spokesman Bob Goiney said Shannon said there were "personal reasons" for Ghormley's departure. "As far as I can see, it was really obvious that Shannon just didn't want him," he said.

Penn State Out of IC4A

Don't look for Penn State to defend its IC4A title next year. The Nittany Lions have been ousted from the major Eastern track grouping following the school's withdrawal from the ECAC, of which the IC4A is an affiliate.

"We've been in it a long time and that's where we belong geographically," said coach Harry Groves. He added that the dismissal was "political mumbo-jumbo just to keep people to stay in line with the ECAC."

Interestingly, Penn State has been in the IC4A since 1896, long before the ECAC was ever formed. And there are other IC4A members who do not belong to the ECAC.

The school was ousted under an amendment to the ECAC constitution (adopted four months after Penn State announced it would quit), which requires membership in the ECAC to compete in the IC4A.

Groves says that his team will henceforth compete in the Central Collegiates, an at-large grouping which also includes Big 10 and Mid-American teams.

Obituaries

Olympic champion. World record holder. All-American football player. Sullivan Award winner. **Jim Bausch** was all of these—and one of the greatest American athletes ever. The 1932 Olympic decathlon champion, Bausch was known as "Jarring Jim" at Kansas. Retired from the US Department of Agriculture, Bausch died in Hot Springs, Ark., on July 9 at age 68.

Phil Embleton overcame asthma and bronchitis as a youngster to become one of Britain's great race walkers. In 1972 he set a world record in the 10-kilo walk, but was already ill with leukemia when he finished 14th at Munich. Embleton, only 25, succumbed to his illness in a London hospital on May 22.

One of the world's great hurdlers, and an aviation pioneer, **Fred Kelly** died in a Medford, Ore., nursing home on May 7. He was 82. "King Kelly" won the 1912 Olympic highs race and tied the world record of 14.8 in 1916 (although it was never recognized). A former captain of the Southern Cal squad, Kelly had more flying hours than any other transport pilot in the world in 1931. *Wally Donovan*

To Box 296

Jim Rorick, Wasco, Calif.

It's ironic that after all the hullabaloo this year over who is the fastest human—Crockett, Williams, Jones or Quarrie—the winner turns out to be unsung teenager Silvio Leonard. I wonder how long it will take for some super-patriot letterwriter to label Leonard as the "new Commie fluke"?

Donn Maurer, San Diego, Calif.

Bob Hersh writes "But I know from my own country's sad and shameful history that..." He is certainly allowed his opinion. But is Mr. Hersh qualified by either experience or education to pass judgment on this country's history? *T&FN* is about sport and it is wonderful to still have fun reading about sport. Don't start educating us as to our nation's wrongs. Then, you're no different from all the other media of today.

Nicholas Nickou, Branford, Conn.

Bob Hersh joins the super hypocrites who keep on South Africa's back [1 August] and suppress some superb apolitical trackmen who should be allowed to compete against the top runners of the world. Where was the florid rhetoric when Russia walked into Hungary and Czechoslovakia, squelching entire nations? Russia kept competing—on her terms and with no major boycotts against her athletes. You're all bullies to keep sniping at South Africa and cowards for not harrassing the Russians.

Julio Borquez, Bakersfield, Calif.

Brendan Foster appears to be the best bet to crack

the world 2000-meter record Emiel Puttemans has been after. Foster's performances at distances from 3000-5000 meters, along with his fine 1500 speed, are the right combination of speed and stamina needed to approach and break Michel Jazy's 4:56.2.

Paul Winslow, Sherman Oaks, Calif.

If Ron Laird [1 July] really believes this country is the best and really wants our best team (which he would have helped make) to go against the Russians, then what is his butt doing in West Germany?

Dennis Williams, Portales, N.M.

I was informed by telegram my entry for the AAU 10,000 was refused because I hadn't met the qualifying standard—yet I have good reason to believe Dick Buerkle, Gary Tuttle, Glenn Herold, Ken Gerry, Cliff Clarke and Ron Pryor hadn't either. In fact, only Pryor qualified over the past five years. It seems standards apply only to non-name, non-local runners. The AAU strikes again.

Bob Behr, Wilmington, Del.

Before getting too excited about bio-rhythms [1 April], take heed of the comments in the best-seller *Body Times*: "Fleiss had a blatantly unsophisticated understanding of simple mathematics, yet every year his formula is offered to the public in new books on bio-rhythms... The formula concocted by Fleiss was childish... It is not so easy as a simple formula, for we are all rhythmic beings, but the slightly different beat we

walk to makes a huge difference in monthly or yearly undulations."

Mel Pender, West Point, N.Y.

It seems Valeriy Borzov is always belittling world records set by Americans [1 July]. How many world records has Borzov set?

H.E. Jessen, Winnetka, Ill.

Why was there no mention in the story on Rick Wohlhuter's 880 record [1 July] on his 800 meter time? [Ed: *Would you believe the meet organizers simply forgot to time Wohlhuter at 800 meters? Meet Director Bob Newland apologizes profusely for the error.*]

Bill Olsen, Mt. Vernon, Wash.

I read with interest the other day a wire-service story by your senior editor James O. Dunaway. In it, he made claims that a lot of US athletes might not even try out for Montreal. I have seen no mention of this elsewhere, neither did I think that his examples supported such arguments. How can you back such stuff? [Ed: *Dunaway, like all others, is entitled to his opinions. They are not necessarily those of others at T&FN.*]

Ted Crank, Hutchinson, Kans.

Bert Nelson pointed out [11 July] that many track meets are run off too fast. But many are run too slow, too. The major reason for a meet being behind schedule is the time allowed between races. Enough time isn't allowed for lining up runners, getting timers and judges ready, etc. If meet officials want good performances, plus spectator satisfaction, they should set up a reasonable schedule that will allow enough time between races and give competitors a good idea when their race is to be run. □



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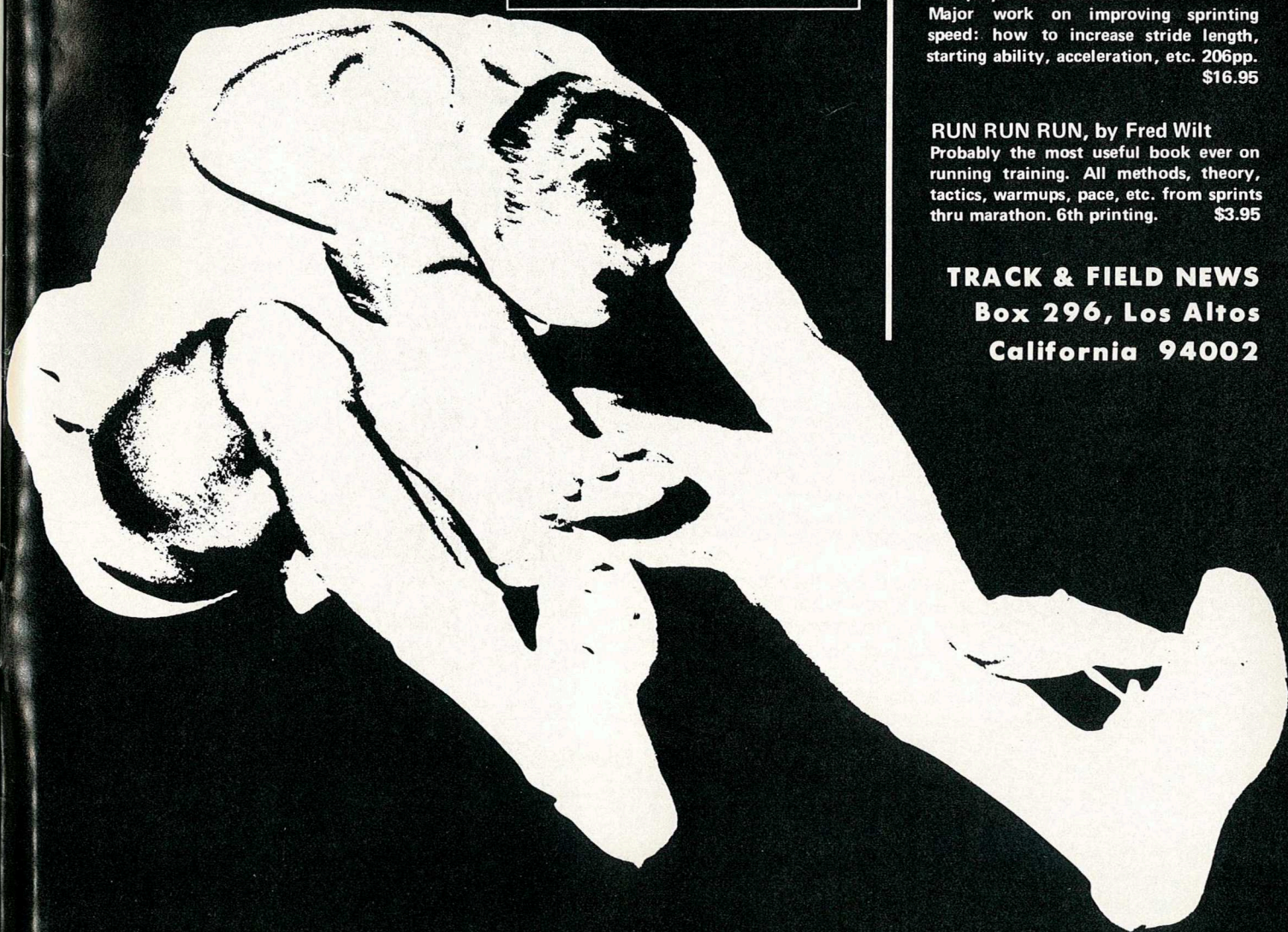
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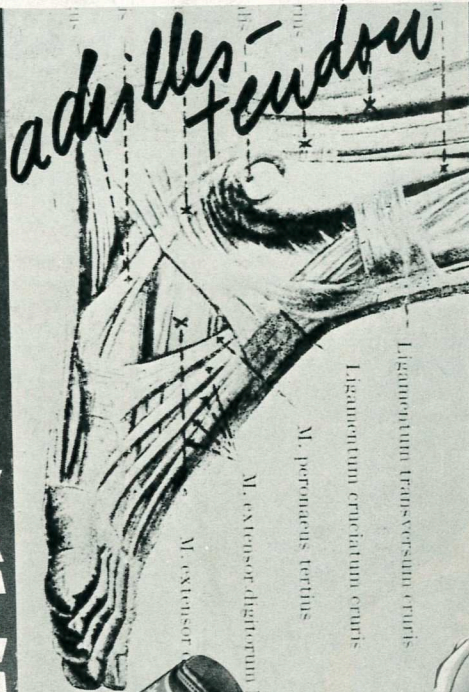
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