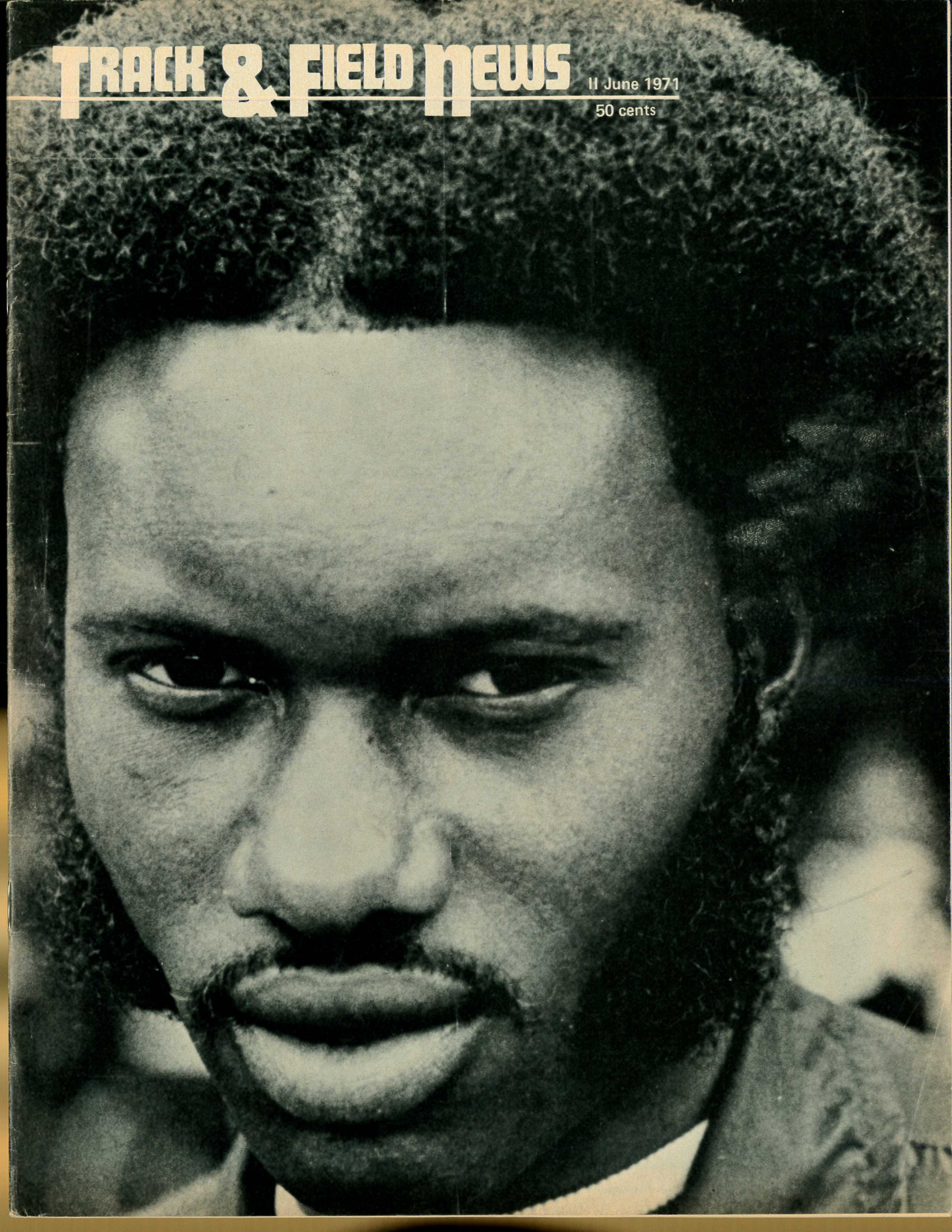


TRACK & FIELD NEWS

11 June 1971

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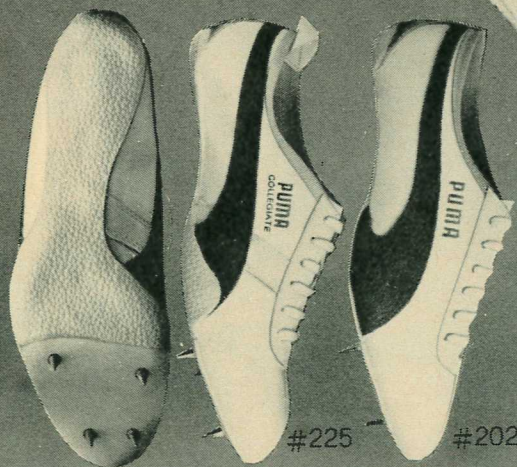
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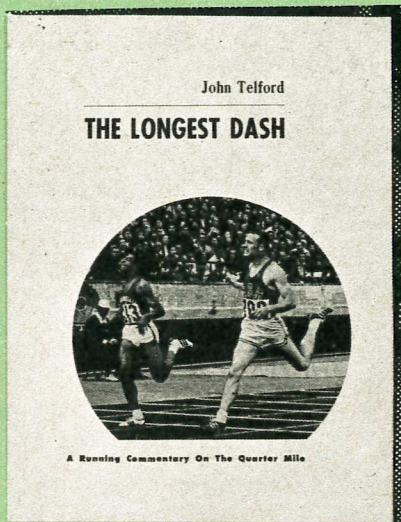
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In the Future

US

June

16-17 Armed Services Ch, *Irvine, Calif*
17-19 NCAA Ch, *Seattle, Wash*
19 Golden West Inv, *Sacramento, Calif*
19-21 World Senior Ch, *Los Angeles, Calif*
25-26 AAU Ch, *Eugene, Ore*

July

2-3 US-USSR-All Stars, *Berkeley, Calif*
2-4 US Masters Ch, *San Diego, Calif*
9-10 AAU Women's Ch, *Bakersfield*
16-17 US-Africa, *Durham, N Car*
17-19 Northwest Senior's Ch, *Gresham, Ore*
30-31 National Jr Ch, *Bowling Green, Ohio*

August

12 AAU Jr Oly, *Air Academy, Colo*

INTERNATIONAL

June

20 Kusocinski Mem, *Warsaw, Poland*
26-27 Mericamp Mem, *Colombes, France*
30 Rosicky Mem, *Prague, Czech*
30-1 World Gms, *Helsinki, Finland*

July

6-7 Stockholm Gms, *Stockholm, Swe*
9-10 GB-France, *Middlesborough, GB*
16-20 USSR Ch, *Moscow, USSR*
31-5 Pan-American Gms, *Calif, Columbia*

August

7-8 EG-USSR Dec, *Leipzig, EG*
10-15 European Ch, *Helsinki, Finland*
17 Malmö Gms, *Malmö, Sweden*
19-21 CISM, *Turku, Finland*
28-29 USSR-EG-Poland, *Minsk, USSR*
28-30 GB-WG, *Crystal Palace, Eng*

September

4 Intl Athletes Club, *London, Eng*
4-5 Pre-Olympic, *Munich, WG*
11-12 Znamenskiy Mem, *Karkov, USSR*

October

12-17 Mediterranean Gms, *Izmir, Turkey*

December

5-14 African Ch, *Lagos, Nigeria*

Up Front

In many ways, he has been "hot Rod" this season. Southern U's Rod Milburn has claimed many big high hurdles races, the NAIA and NCAA College Division among them, has a share of the fastest legal time in the country at 13.4 and produced the fastest time ever run over the highs, 13.0—although wind-aided. As well, he has a bounty of fast legal times in the 13.5-13.7 range. /Steve Murdock/

For the Record

The following record alterations have been reported since the 1 June issue: W=world; A=American; E=European; BC=British Commonwealth; HS=high school.

HT	219'9"	HS	Alvin Jackson (RI HS)	Providence, RI	May 22
Dec	7903	BC	Peter Gabbett (GB)	Kassel, WG	June 5-6
120HH	13.4	=HS	Randy Lightfoot (Tex HS)	Houston, Tex	June 6
SP	67'10½"	E	Hartmut Briesenick (EG)	Berlin, EG	June 6
DT	229'9½"	W, A	Jay Silvester (Intmtn TC)	Ystad, Sweden	June 10
120HH	13.4	=HS	Randy Lightfoot (Tex HS)	Lombard, Ill	June 12
JT	259'9"	HS	Russ Francis (Ore HS)	Portland, Ore	June 12

From the Athletes

Gareth Bryan-Jones, steeplechaser from Britain, on enjoyment of the sport: "The danger in athletics is that when too much is at stake it ceases to be sport. The enjoyment starts to diminish as the pressure comes on. Satisfaction then seems to be more from achievement than from actual participation." (from *Athletics Weekly*)



Bible of the Sport

11 June 1971
Vol. 24, No. 10

Worldwide Coverage

united states 'Hot Rod' Milburn Burns

Rod Milburn's high hurdling all season has been exemplary but his most recent exploits have been simply sensational. He claimed the NAIA title, his second, with a 13.0--fastest ever run in the event and aided by a wind of only 4.92 mph. Then he claimed the NCAA College crown in 13.5--hurdling into a 4 mph breeze. His speed set the tempo for other quick performances. Larry Black dashed a windy 20.4 to win the NAIA 220 and later took the College race too. George Daniels zipped a legal 9.2 to win the US-TFF 100 after Cliff Branch dashed a windy 9.1 semi. Tennessee combined for the second-quickest mile relay of the year, 3:05.0, anchored by Darwin Bond's blazing 44.5. Wes Williams clicked over the 440 hurdles in a season-pacing 50.1 at Portland. Randy Lightfoot matched the prep high hurdle mark of 13.4 for the second time this year. In the mile, Arne Kvalheim won the touted Eugene Twilight mile with a PR 3:56.4 as Jim Ryun struggled home 10th in 4:07.6, bogged down by Eugene's pesky pollen.

The throwers made some headlines too. Jay Silvester again topped his official discus record, this time with a 229'9 $\frac{1}{2}$ " heave in Sweden. But more officiousness may again nullify the mark. Oregon prep Russ Francis continued to lengthen his javelin record, his latest effort measuring 259'9". In the AAU decathlon, Rick Wanamaker tallied a PR 7989 for his first AAU title, edging Russ Hodge by 30 points.

NAIA CHAMPIONSHIPS Milburn Scoots a Best-Ever Windy 13.0 Hurdles

Billings, Mont., June 3-5 /by Bob Parks/--The highlights of the 1971 NAIA championships included a best ever though wind-aided high hurdle mark, an outstanding sprint field, and an impressive decathlon aggregation as the nation's small school powers had their day.

Rodney Milburn of Southern was voted the meet's outstanding performer by virtue of his sensational 13.0 win in the high hurdles. The 21-year-old sophomore beat runner-up Ron Draper of North Carolina Central by four-tenths as he got out fast and then put it in high gear over the 7th hurdle. His time is the fastest ever, but was nullified as a record by a wind of 4.92 mph.

The 100-yard dash was scheduled to include such top-rated speedsters as Jean-Louis Ravelomanantsoa of Westmont, Jack Phillips of Grambling, Willie Polk of Texas Southern, and Eugene Thomas of Eastern Michigan but all scratched due to injuries. Nevertheless, the field, as always in the NAIA, was formidable. Willie McGee of Alcorn A&M, who tied Bob Hayes' meet mark of 9.3 in the semis after a 9.2 earlier in the season, had to come from behind to win the final. He spurred into the lead at 85 yards only to strain his leg at 90 yards and hang on to win, again in 9.3, in a blanket finish with Robert Taylor (Texas Southern), William Miller (Southern), and James Batie (Troy St). All were given 9.4, but were not a tenth behind.

Larry Black of North Carolina Central and Larry Stinson of Southwestern Oklahoma dashed away from the field in the furlong with Black the

winner in a windy 20.4. Neither ran the 100. In the 440, Prairie View's Alvin Dotson overcame the disadvantage of running in lane one as he came from behind to edge Oxy's Hugh Brown by a tenth in 46.4. Dotson later came back to pace his school's mile relay team to victory in a slowish 3:10.2.

Foreign athletes as always were in evidence, and accounted for seven individual victories, the best two of which were turned in by Angelo State's injured Josh Owusu (Ghana) with horizontal triumphs of 25'6" and 50'9 $\frac{1}{4}$ " late in the competitions. Foreigners copped all distances from 880 up save the steeple in the 3500-foot atmosphere.

T.C. Minor of Prairie View A&M conquered his step problems to hold off Mel Bassett of North Carolina Central and win the 440 hurdle final in 51.1. At least four sub-52 men contenders were eliminated when they fell in the heats or final.

Texas Southern suffered from Polk's absence in the 440 relay as North Carolina Central breezed to a 40.4 win. Dallas Baptist lost valuable team points when Jim Evans pulled a muscle and couldn't run the 880 or mile relay, and his team had to scratch the latter. Baptist picked up the bulk of its points in the dashes and horizontal jumps as it finished fourth in the team fight. Eastern Michigan, without a sprinter, used balance to defend its title successfully with 65 points to runner-up North Carolina Central's 43 and Prairie View's 41. Eastern Michigan got 14 each in the three-mile and hammer.

A tremendous battle occurred in the decathlon as the top five bettered 7000 points and four of the top six recorded PRs. Teammates Dave Stephens and Bob Keys of Oregon College of Education were 1-3 at the end of the first day with 3910 and 3785 as both made 6'6" in the high jump along with Ron DeVries of Eastern Michigan. Favorite Bruce Jenner of Graceland was fifth at 3612, but he came back strong the second day with a 14'6" vault while Keys and Stephens dominated the hurdles with 14.6 and 14.9 respectively, the latter equaling Gary Hill's time. With one event to go only one point separated Bill Bakley of Westmont and Jenner while Oklahoma Christian's Hill and Keys were also within possible (but improbable) range. Keys ran away with the next to the last 1500 heat in 4:32.0 to clinch fourth with 7252 while Hill edged Jenner, 4:31.2 to 4:35.6, with Bakley third in the final heat at 4:44.5. Jenner ended up first at 7407 while Bakley had 7352 and Hill 7265.

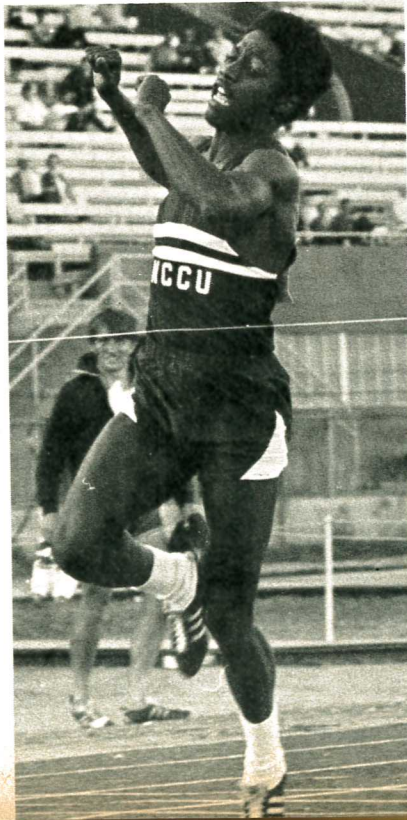
The pole vault field was narrowed to 12 by a qualifying round but still lasted far after the last running event. Several good vaulters were eliminated in the qualifying round when they had to vault against the wind. In the final Ricky Parris of McMurry, a 17-footer, managed a 16'4" win over Dan Steben of Oxy, who cleared 16'0".

100(ok), McGee 9.3; 2. Taylor 9.4; 3. Miller 9.4; 4. Batie 9.4.
Semis: 1(ok)-1. McGee 9.4. 220(windy), Black 20.4; 2. Stinson 20.7; 3. Miller 20.9. 440, Dotson 46.4; 2. Brown 46.5. 880, Doganyaro 1:50.7. Mile, Maplestone 4:06.7. 3Mile, Minty 13:46.4; 2. Maddaford 13:53.4. 6Mile, Ellis 29:45.8. 3000mSt, McLeland 9:30.8. 120HH(windy), Milburn 13.0; 2. Draper 13.4; 3. Gipson 13.5; 4. Tipton 13.7. 440IH, Minor 51.1.

HJ, Curry 7'0" (flop). PV, Parris 16'4". LJ(ok), Owusu 25'6"; 2. Lawrence 24'11". TJ(ok), Owusu 50'9 $\frac{1}{4}$ "; 2. Brown 50'4 $\frac{3}{4}$ "; 3. Williams 50'1 $\frac{1}{4}$ ". SP, Hardaway 58'8 $\frac{3}{4}$ ". DT, Nilsson 170'3". HT, Smiley 167'3". Dec(unverified totals), Jenner 7407; 2. Bakley 7352; 3. Hill 7265; 4. Keys 7252; 5. Stephens 7043; 6. DeVries 6618. 440R, North Carolina Central 40.4. MileR, Prairie View A&M 3:10.2. Teams: Eastern Michigan 65; 2. North Carolina Central 43; 3. Prairie View A&M 41; 4. Dallas Baptist 31.

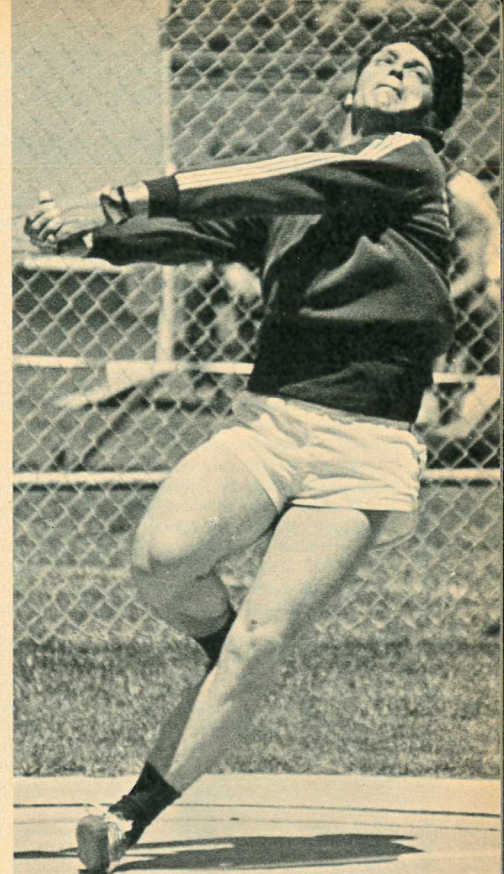
(Left) Angelo State's Ghanaian jumping jack Josh Owusu claimed both the long and triple jumps at the NAIA with 25'6" and 50'9 $\frac{1}{4}$ ". /Don Wilkinson/ (Center) North Carolina Central's Larry Black gunned a windy 20.4 to claim the NAIA 220 crown.

/Don Wilkinson/ (Right) A happy Mike Goodrich displays his hardware won at the Central Collegiate after taking the 220 with a windy 20.6 and leading off the victorious 440 relay foursome. /Mike Davis, Bloomington Courier-Tribune/





(Above) Juris Luzins (r) hits the tape of the Kennedy 880 the winner in 1:47.6, ahead of Tom Von Ruden (l), whose PR 1:47.7 edged Wisconsin's Mark Winzenried for second by a tenth. Up the track come Art Sandison (4th, 1:48.7), Rick Brown (7th, 1:51.2), Clardy Vinson (6th, 1:50.6) and Ken Swenson (8th, 1:51.5). /Bob Kasper/



(Right) Tom Gage collected both the US hammer lead and the Kennedy Games win with his PR 233'6" final-round effort. /Bob Kasper/

CENTRAL COLLEGIATES

Sink Twice Clips Liebenberg in 8:42.0, 13:29.4

Bowling Green, Ohio, June 4-5 /from Jim Ferstle and Don Kopriva/-- Although badly fatigued by the heat, Bowling Green State's Sid Sink and Western Michigan's Jeromee Liebenberg waged another scintillating steeplechase duel, this one at the Central Collegiate championships.

The two steeplers waged a torrid battle until the backstraight of the last lap, where Sink outstaggered Liebenberg to the finish, 8:42.0 to 8:48.0. The two began with a quick 62-second first lap, then tacked on a succession of 67s. "We were close to world record pace at the mile but the heat got to us and we began to fade," said Sink. The fatigue was evident as both competitors made each barrier look more difficult than the last, with Sink staggering and almost falling over the last hurdle. After the race, Sink told his rival, "Thanks for letting me win on my home track." Liebenberg returned, "That's ok, I was born in Seattle" (site of the NCAA--actually, he was born in Chicago).

Sink's three-mile effort on the second day was also a superb one, as his 13:29.4 clipped five seconds off his previous best. Liebenberg finished a well-beaten sixth at 13:56.6, a placing he duplicated with his 4:10.1 mile for another taxing two-day triple.

The other barrier races were also swift, as Tennessee's Bill High matched his PR with a legal 13.5 in the high hurdle final, taking runner-up Dick Taylor of Northwestern by two-tenths. In preliminary action, High had timed a windy 13.4 and Taylor a legal 13.6. Michigan State's Wayne Hartwick equaled his best with a 51.2 intermediate heat win, then cruised to a 51.4 triumph in the final.

AAU century champ Ivory Crockett twice came out as the runner-up in the short sprints, as up-and-coming Jim Harris of Ohio State took the 100, as both returned a legal 9.4. In the furlong, Mike Goodrich used an over-the-limit wind to blast a 20.6, as Crockett was clocked in 20.7.

The gusty winds stilled long enough for some good legal action in the horizontal jumps. In the triple jump, Barry McClure of Middle Tennessee State popped a 52'¼" effort to beat Al Lanier's 51'7¾". In the long jump, 1970 NCAA indoor champ Gerald Woolfolk of Butler appeared once more, getting a 25'7" winner.

100(4.08 mph), Harris 9.4; 2. Crockett 9.4. 220(9.35), Goodrich 20.6; 2. Crockett 20.7; 3. Nash 20.8; 4. Highbaugh 20.9. 440, Jordan 47.0. 880, Fabian 1:48.0; 2. Harris 1:49.5; 3. Bach 1:49.6. Mile, Ortiz' 4:05.4. 3Mile, Sink 13:29.4; 2. Hogan 13:47.2. 6Mile, Legge' 29:14.2. 3000mSt, Sink 8:42.0; 2. Liebenberg 8:48.0; 3. Bayham 9:00.4. 120HH(ok), High 13.5; 2. Taylor 13.7; 3. Murray' 13.8; 4. Mattina 13.9. Heats: I(6.34)-1. High 13.4. III(3.90)-1. Taylor 13.6. 440IH, Hartwick 51.4; 2. Bornkessel 52.1. Heats: II-1. Hartwick 51.2.

HJ, Mann 7'0". PV, Wallick 16'7¾"; 2. Wertman 16'4". LJ(ok), Woolfolk 25'7". TJ(ok), McClure 52'¼"; 2. Lanier 51'7¾". SP, Stimson 58'1". DT, Miller 177'6". HT, Accambray' 212'1"; 2. Penny 202'1". JT, Dowsnell' 247'1". 440R, Indiana 40.4 (Goodrich, Miller, Powell, Highbaugh). MileR, Tennessee 3:10.9 (Bond, Henderson, James', Craig). Teams: Indiana 50; 2. Tennessee 40; 3. Miami/Ohio 38.

KENNEDY

Kinnunen Rifles 288'0", Gage Plops 233'6"

Berkeley, Calif., June 5 /by Cordner Nelson/--Swiftly moving toward the top among US invitational meets, the third Kennedy Games presented a

well-rounded preview of many of the athletes who will dominate the national meets. In beautiful spring weather, mature athletes with big names barely held their own against bright new names of the future.

Among the veterans:

World record holder Jorma Kinnunen, a squat Finn with a drooping mustache and a tattooed arm, served notice on the javelin world that he will be better than ever when he whipped his sixth throw 288'0": "Through an interpreter, he said, "I feel that I will throw 95-meters by the end of this month or in July." That would add another 10 feet to his world record of 304'1½".

Randy Matson won the shot put, as expected, but his 67'5¼" was almost 4-feet shorter than his meet record of last year and it worries him. "I can't figure it out," he said. "My timing is off real bad, and I don't know why but my mental attitude is not good." Disgusted, he added, "I ought to throw better than this with a broken leg."

Tommy Lee White caught Willie Davenport at the ninth hurdle and won by a foot in 13.5, solidifying the 27-year-old assistant professor's position near the top of the world's high hurdlers... along with Davenport.

Tom Gage, 28-year-old chemical engineer from Louisiana, became the first American to beat George Frenn in 2½ years and moved ahead of Frenn to third on the all-time US hammer list when his last throw plunked into the turf at 233'6". Gage said, "The hammer is an elusive thing. I rely on speed and technique and if I'm off just a little bit, it shows quickly in distance... Today the ball was further away from my body. It's something I found Wednesday, and it showed today." Frenn, second at 227'9", said, "I'll clean his clock at the nationals."

Among the new stars:

Dave Roberts, 19-year-old Rice sophomore regained his form after an injury two weeks ago at El Paso and proved he'll be a contender in future meets when he cleared 17'1" without a miss and then vaulted over 17'5" on his second attempt. The 6'2½", 185-lb., golden-haired lefthander had one good attempt at 17'10½" when his knees cleared the bar. He believes his regular heavy pole and better wind conditions will enable him to clear 18-feet soon.

Jim Bolding, a strong and fast Oklahoma State junior, looked close to the top in the intermediate hurdles. After a nip-and-tuck race against world record holder Ralph Mann, Bolding began to pull away before the ninth hurdle. Mann hit the hurdle with his lead foot and fell, while Bolding held off Ron Whitney by almost three yards in 50.7. Whitney and Stanford's Randy White were disqualified for trailing their feet alongside hurdles. Mike Cronholm, another comer this year, placed second in 51.4 in the unfair curb lane.

Tim Heikkila of Minnesota out-jumped a good high jump field to win at 7'2". He cleared on his second attempt after passing at 7'1". NCAA champion Pat Matzdorf jumped 7'1" for second. Reynaldo Brown was third at 7'0", ahead of flopper Bill Elliott who cleared 7'0" on his second jump.

Fred DeBernardi, 22-year-old UTEP junior, won his first big discus competition in the absence of Jay Silvester. The big blond threw 199'4" while veteran Tim Vollmer had a bad day and placed sixth with 190'2".

Willie Deckard, who has emerged as a contender for "fastest human" this year, won his biggest 100-yard victory with an unusually good start while Jim Green's was unusually poor. Green gained all the way and almost caught Deckard. Donald Quarrie, Jamaica's triple gold winner at the Commonwealth Games last year, also gained on Deckard but finished a yard back, barely edged by Colorado's Cliff Branch. The first three were clocked in 9.4. In the 220, Quarrie led Branch into the stretch with Deckard third

by Dick Drake

An outsider's first impression, and perhaps final conclusion, is whether anything else quite matters as much in Eugene, Oregon, as the Twilight Meet.

Out of a combination of madness and track curiosity--the impetus of shocking performances in the past and the lure of a mile featuring Jim Ryun, Steve Prefontaine and Arne Kvalheim--we were able to commandeer a track buff friend to fly six of us on his airplane to witness this event--which this year had the added incentive of the national AAU marathon.

We probably still weren't prepared for the rabidness we encountered in our always enthusiastic host, Bob Forbes, clad in the school's green and yellow colors, who informed us he had only been able to catnap the night before and had been out to Hayward Field at 8 a.m. to rake the long jump pit and shake away some of his anxiety.

We arrive at the stadium an hour before the 5 p.m. marathon start, and already there are four long lines of eager fans waiting to enter. Among them is a comely blonde anxiously passing the time wondering whether she will buy tickets for her letterman boyfriend and his family. The \$3 reserved tickets have been sold out for more than a week, we are told, and only \$1 general admission seats remain. When the gates open at 4 p.m., many of the fans burst through and race to the best seats in the general section.

By the time the marathon goes, all the non-reserved seats have been gobbled up, many late comers have crowded outside the fences and perched themselves upon roof tops and only a few of the reserved seat patrons have failed to file in--but then it's still three hours til the mile.

As it is, the marathoners only take three laps of the Stevenson track but you would have thought it was on the return from the 26-mile trek. The fans are on their feet, constantly applauding the 120-plus throng of swiftly moving runners. They hardly needed the three cheerleaders, who inspired the crowd to yell "Go, go, go". Revealed marathoner Tom Plumb, "I couldn't believe that crowd in those laps. It really got the juices rolling but at the wrong time."

And then there was a half hour of quiet anticipation of greater things to come. More than 11,200 fans had officially packed themselves into the stadium, contributing to a gate gross of nearly \$19,000 with no travel expenses or per diem to drain that chunk which primarily goes to the Oregon Track Club. These fans have come to expect the unexpected of this late spring occasion, which actually began in 1961 when Dyrrol Burleson set a US record of 3:57.6. It was interrupted by a couple of NCAA championships and a series of second Oregon State duels but was resumed in 1966 as a benefit to injured athlete Bob Woodell and now to aid the Oregon track program.

The 10-event track program begins at 5:30, and suddenly all eyes focus in on the long jump. The contestants, as in all other events, are Oregon school or track club members. Not even near-by Oregon State is invited. It's a meet arranged, according to coach Bill Bowerman, "for the pure enjoyment of competition". There's only cheering for great effort by one of yours.

It only takes one PR long jump to begin to understand what impels such great performances in this meet. On the very first round, Bouncy Moore stretches out 26'1 $\frac{1}{2}$ "--and the hushed crowd suddenly erupts in ecstasy. The frenzied cheering is heightened by the echoing effect created by the enclosed stands on each side of the of the track. The same excitement apparently stimulates shot putter Pete Shmock, who opens with a PR 63'2 $\frac{3}{4}$ ", and high jumper Marty Hill, who ups the school record to 7'1 $\frac{1}{4}$ ".

Almost as if the setting were not enough, last year's mile winner Roscoe Divine goads the fans over the PA by reminding them that "Eugene is known as the jogging and track capital of America" and that in recognition of their dedication to track and field, "the athletes of the emerald empire have dedicated themselves to doing their best". Now, whether Eugene fans are "the most enthusiastic, knowledgeable and appreciative of good competition" will be squarely put to the test when the non-collegiate and non-team oriented AAU Championships come to Eugene later this month.

One non-Oregonian snapped, "All the Eugene fans know how to do is stand up and scream like mad when a yellow and green shirt goes by. Just ask someone who has competed there from Oregon State or one of the Washington schools; it's like being thrown to the lions." Veteran observers often credit the school's 1962 and 64 NCAA team victories when the meet was staged in Eugene to the hometown partisanship. They went bananas.

Without a doubt, they warmly greeted the returning marathoners--many fans standing and clapping for more than 40 finishers. One Eugenie wildly greeted winner and Oregon alum Ken Moore but seemed dumb-founded when no other Oregonians were in the next 20 positions. "Where are all the Oregon athletes?" he had demanded. He seemed to have forgotten the unprecedented display of distance talent by Oregon athletes on the track a few minutes earlier. The 12 milers, six six-milers and seven steeplechasers were rooted on virtually every lap, and nearly all produced qualifying times.

For sure, it's a track meet unlike any other. You can bring your portable radio and hear intermittent accounts of the marathon progress or live calls of major races. But, then, it's almost a necessity considering the lack-lustre PA announcing, whose lack of attention to lap times, progress in field events and results in depth would have left less enthusiastic crowds lethargic.



A HOTBED OF (OREGON) TRACK FANATICISM

Frank Shorter gets rousing applause from athletes and fans as he nears the end of his first marathon, the AAU. Among the athletes are (r-l): Arne Kvalheim, Todd Lathers, Steve Savage, Dave Wilborn, Steve Prefontaine, Knut Kvalheim and Mike Lyons. At the other end are Randy James, Jim Gorman and Marc Savage. /Rich Clarkson, *Topeka Capital-Journal*

A Californian, Ted Brock, who joined us for the journey, shook his head. "If I show enthusiasm at this meet, it's almost as though I'm responding to the crowd."

Jerry Uhrhammer, sports editor of the Eugene Register-Guard which probably publishes more column inches on track per year than any other paper in the US, elaborates on the track fever that has driven his city's inhabitants to a pitch probably unparalleled anywhere in the country. "Bowerman has a lot to do with it. He has developed athletes with whom the fans can identify with, he has brought in top teams, and he has put his schedules on time. The sport is well covered through the state by the press, radio and TV. There are no major pro sports teams in Eugene. There is a vast all-comers program involving hundreds of kids from age two through high school each Friday and Saturday. And he has probably made this the jogging capital of the world."

What makes the Twilight so special? Uhrhammer continues, "It all dates back to that first meet in 1961, when with only a last minute announcement, they staged a meet in which Burleson broke the American record. But the Bob Woodell Invitational in 1966 really sparked this meet. Motivated by seeing their injured teammate on the field on a stretcher, there was tremendous electricity in the air. Now, the athletes begin talking about what they'll do in this meet early in the season. It's really emotional."

Uhrhammer calls it a "two-way-love affair". And hometown Forbes agrees. "The meet gives the better athletes a chance to have a good time, record good performances, and at the same time gives something special to the fans in response of their support. On a smaller level, this reciprocal arrangement exists all year. There are often 100 fans here in March to watch all-comer meets, and Bowerman will come over to talk with them about the progress of the team."

There's no question that the athletes get tremendously juiced. Some observers have wondered if they get too psyched for this meet and perhaps feel a let-down later. Few members of the team could come close to matching the quality of their Twilight performances in the NCAA and/or AAU last year. But Uhrhammer doesn't agree that the meet is a detriment. "If Bowerman felt that this meet detracted from their championship performances, he would cancel it immediately."

Sometimes the meet gives the impression of overly catering to hometown wishes. There's no wind gauge in operation. The pole vault standards appear drastically lop-sided but perhaps it's an illusion. The relays are hilarious. The 440 and mile baton events have teams composed of Oregon 1, 2 and 3. In the shorter one, the second team scratches, the first drops the baton and the third is disqualified for passing out of the zone. In the longer one, only two teams start but a third joins the procedure at the second carry and then the teams change composition and sometimes they only run 330 yards while the waiting athletes take off with a baton of their own or none at all. The clincher is when one of those non-winning teams is credited with a time.

But it all becomes rather serious and professional as the anticipated mile nears reality. It's a race that was never officially announced; word of mouth had spread rapidly. Now, as the first call for the race at 7:35 there's a hum that can send shivers through you. Just seeing Prefontaine and Kvalheim warm-up elicits excited applause. The introduction of Ryun brings a 35 second standing ovation. And they never sat down, stood still or stopped yelling. They apparently got what they were hoping for. Two Oregon-trained athletes beat the transplanted King. The pandemonium spreads on to the track.

It's an exhilarating experience. Observed T&FN staffer Garry Hill, "It was all kind of unreal, like not being at a real track meet. It was impressive."

As we lifted off into the night and climbed above the Siskyou Mountains, we were really flying high. □

and Eddie Hart close to Deckard. Quarrie, aided by a wind of 6.7 mph, pulled away powerfully to win by more than two yards over Deckard in 20.5. In the 440 relay, Quarrie's speedy third leg put teammate Lennox Miller a yard ahead of Deckard in the stretch, but Deckard beat the ailing Miller by a yard as Southern California won in 39.6.

In one event, a veteran and a bright new star showed to advantage. George Young, veteran of three Olympics and almost 34 years old, used his great sprint to beat Garry Bjorklund, barely 20. Bjorklund, running with an extremely economical style, was near the lead all the way in the three-mile in 4:24.0 and 8:51.2, but Young's low-to-the-ground spurt around the last lap in 56.9 won it in 13:10.8. Bjorklund's last lap was in 58.6 while the two ran away from Steve Stageberg's last lap of 64.8. Frank Shorter surged on the third lap with a 61.8 but later dropped behind and finished fifth.

The 880 was also a good race, with 1969's fifth best half-miler, Juris Luzins, winning in 1:47.6. Mark Winzenried let Luzins take the lead after the 220, then tried to catch him in the homestretch. He gained a little but lost second to charging Tom Von Ruden, 1:47.8 to 1:47.7. A new runner with good potential, Brian McElroy, ran with those three until he faded in the stretch.

Another good race was the 440. Olympic champion Lee Evans was a yard behind Edesel Garrison into the homestretch and he started his typical winning drive, but two things went wrong. After he gained the lead, Garrison came back and beat him. And John Smith, a yard and a half behind Evans as they entered the homestretch, held that position all the way. Smith came back in the mile relay with a 45.0 third leg which, coupled with a two yard gain on the hand-off, put UCLA in the lead and Wayne Collett held it with a 45.7 anchor leg.

Jim Crawford, who set a fast pace in the Modesto mile last week, ran behind this time, moving to fourth on the final turn. His startling sprint on the curve gave him the lead over surprising John Drew of California and he won easily in 4:02.9 as Jerome Howe sprinted into second place too late. Crawford's last lap was in 54.6, Howe's in 54.4.

Veteran Barry Brown won the steeplechase in 8:42.8 with a good last 220 after being pushed hard by promising Don Timm of Minnesota and Australian Kerry Pearce.

100(-1.8 mph), Deckard 9.4; 2. J. Green 9.4; 3. Branch 9.4; 4. Quarrie 9.5. 220(6.7), Quarrie 20.5; 2. Deckard 20.7; 3. Branch 20.8; 4. Kemp 21.0. 440, Smith 46.1; 2. Garrison 46.2; 3. Evans 46.3; 4. Kemp 46.4. 880, Luzins 1:47.6; 2. Von Ruden 1:47.7; 3. Winzenried 1:47.8; 4. Sandison 1:48.7; 5. McElroy 1:49.0. Mile, Crawford 4:02.9; Howe 4:03.4; 3. Dyce 4:03.6; 4. Drew 4:03.7; 5. Bailey 4:04.3. 3 Mile, Young 13:10.8; 2. Bjorklund 13:12.2 (led at 4:24.0); 3. Stageberg 13:18.8 (led at 8:51.2); 4. Vaatainen 13:26.0; 5. Shorter 13:31.8; 6. Harrison 13:35.2. 3000mSt, Brown 8:42.8; 2. Pearce 8:44.6; 3. Timm 8:45.8; 4. Price 8:46.4; 5. Pettigrew 8:50.8; 6. Richards 8:54.4. 120HH(0.0), White 13.5; 2. Davenport 13.5; 3. Wilson 13.8. Heats: II(2.29)-1. White 13.5. 440IH, Bolding 50.7; 2. Cronholm 51.4; 3. Seymour 51.5;... disq--Whitney 50.9, White 51.7; dnf--Mann. 5000mWalk, Laird 22:56.2; 2. Ranney 23:03.0; 3. Tyrer 23:14.4; 4. Bean 23:24.6; 5. Lund 23:30.6.

HJ, Heikkila 7'2"; 2. Matzdorf 7'1"; 3. Brown 7'0"; 4. Elliott 7'0". PV, Roberts 17'5"; 2. Smith 17'1"; 3. Bryde 16'6". LJ, Hines 25'11 $\frac{1}{2}$ "w (25'4 $\frac{1}{2}$ "ok); 2. Whitley 25'9"; 3. Robinson 25'7 $\frac{1}{2}$ "; 4. Coleman 25'6 $\frac{1}{4}$ "; 5. McAlister 25'4 $\frac{3}{4}$ "w (25'3"ok). TJ, Tiff 53'6 $\frac{1}{2}$ "ok; 2. Reader 53'3 $\frac{1}{2}$ "ok; 3. Smith 51'6"ok; 4. Jackson 51'5 $\frac{3}{4}$ "ok; 5. Tucker 51'2 $\frac{3}{4}$ "ok; 6. Rogers 50'3 $\frac{1}{2}$ "w. SP, Matson 67'5 $\frac{1}{4}$ "; 2. Feuerbach 66'4"; 3. B. Wilhelm 64'5 $\frac{1}{2}$ "; 4. Monari 63'1"; 5. Marks 61'4 $\frac{3}{4}$ ";... three fouls--S. Wilhelm. DT, DeBernardi 199'4"; 2. Ordway 196'7"; 3. Neville 193'3"; 4. Van Reenen 192'8"; 5. Kohler 192'2"; 6. Vollmer 190'2"; 7. Powell 186'2". HT, Gage 233'6"; 2. Frenn 227'9"; 3. Connolly 212'6"; 4. Hart 203'6"; 5. DeAutremont 192'11". JT, Kinnunen 288'0"; 2. Feldmann 267'5"; 3. Skinner 266'0"; 4. Murro 263'8"; 5. Luke 258'0"; 6. Covelli 246'8". 440R, Southern California 39.6 (Babb, Garrison, Brown, Deckard); 2. Striders 39.7 (Kemp, Fray, Quarrie, Miller); 3. UCLA 40.3; 4. California 40.4; 5. California TC 40.5. MileR, UCLA 3:05.2 (Edmonson 48.0, Echols 46.5, Smith 45.0, Collett 45.7); 2. Pacific Coast 3:05.6 (Musika 47.4, Elbel 46.1, Van Hofwegen 46.2, Frey 45.9); 3. Rice 3:08.3 (Straub 45.6 second leg); 4. Texas Striders 3:08.7.

OREGON TWILIGHT

Arne Kvalheim Tags Pre as Ryun Comeback Snags

Eugene, Oregon, June 6 /By Bert Nelson--Jim Ryun's comeback ran into a serious snag as Arne Kvalheim's stock shot upward following his decisive win over Ryun and Steve Prefontaine in the Oregon Twilight mile.

Strong and confident although weeks away from peak form, Kvalheim eased across the finish line in a career best of 3:56.4. Prefontaine, whom many of the rabidly enthusiastic overflow crowd of 11,200 thought to be the most worthy challenger of King Jim, ran a PR-equaling 3:57.4, which he also clocked here last year in second. And a host of other Oregonians also finished before a dispirited Ryun finally reached home in 4:07.6, beaten into an ignominious 10th place by an invisible foe, the infamous Eugene pollen.

Violently attacked by what is commonly known as hay fever, Ryun was unable to breathe properly and hence unable to pump throughout his body the oxygen necessary to perform well at all distances longer than a sprint. He was a sad shadow of the Ryun who pushed Marty Liquori to 3:54.6, even then beginning to feel the affects of the pollen which well may peak just in time for the AAU championships in Eugene June 25 and 26. Now the world's fastest ever miler faces the problem of whether or not he can continue to live and train in Eugene.

Inevitably, Ryun's shocking setback took some of the luster off Kvalheim's win. But forgetting about Ryun, it was a smashing triumph for the Norwegian graduate student. In only the fourth race of a deliberately slow paced campaign which is to climax at the European Championships in August, Arne approached in quality his career best of 3:38.5 for 1500-meters. And he won convincingly.

Pre took over from rabbit Nils Emilsson, picking up the pace as he passed the mid-point in 2:00.3. He and Arne broke away, leaving Ryun, who

Ryun the Loser, Kvalheim the Victor Faced Vastly Different Problems

by Bert Nelson

Ryun the loser and Kvalheim the victor faced vastly different problems following the Twilight mile.

For Ryun it was a question of finding a way to salvage something from a season that had reached a catastrophic state. How could he escape the pollen that kept him from breathing properly; once out of it, would he still have enough conditioning to run well; and, if he were in shape, would it be possible to return to Eugene for the AAU mile?

For Kvalheim the happy question is whether to run the 1500- or 5000-meter race in this year's European Championships and next year's Olympics. Previously leaning toward the longer race, his impressive 3:56.4 win made the decision harder than ever.

Jim, virtually ignored as the crowd followed winner Kvalheim and runner-up Steve Prefontaine, quickly left the field in the company of good friend Wade Bell. And three days later he left Eugene, destination unknown.

"I hope to run more this year", Ryun told T&FN as he prepared to leave for an indefinite period that could last for weeks--or forever. "That's the purpose of getting out of town. I feel very fit now, but the problem is I can't compete in a climate like this. I wanted to run in Portland this weekend, but it would be more of the same. And it's got to be a heck of a lot better for me to run in the nationals. One of the allergists in Eugene says be-

How About Advancing Ryun to All-Star Team?

Idea: If Jim Ryun is unable to run in the AAU because of the high pollen count he will not be on the USA team to meet the USSR and the World All-Stars at Berkeley July 2 and 3. If he proves his fitness and ability to run elsewhere why not invite him to fill a spot on the All-Star squad? Last we heard the US was a member of the world.

cause of the peculiar weather this year they may have a second pollen season lasting into August. If I find I haven't lost too much I want to go to Europe and test myself in competition there. It depends on my travel permit, which I haven't received yet."

Ryun admitted he hadn't been able to train well since the first of May. Many nights he hasn't slept well. "I wake up during the night. I don't clog up, but I continually drain. Mostly I sound like I'm coughing all the time. I can jog, but the moment I have to begin working, to need oxygen, I'm in trouble. Some days it isn't too bad. The pollen is down, or I've been able to get some sleep. But I can't predict the day."

His allergies have caused a certain amount of trouble before, but never to the extent of interfering with training or racing. Before moving to Eugene last winter he informed the people there he had allergy problems but was assured they could be controlled. He has received injections regularly and had booster shots trying to get him over the weekend. Two days before the Twilight mile he left the valley to escape the pollen.

"I got up on the McKenzie river in sufficient time", Jim recalled. "But 10 minutes after returning to the valley you're in the same place as when you left. The allergists say it hits you that quickly."

"I had committed myself to the race and didn't want to back out. When I went out of town I was optimistic I'd be doing better. When I jogged warming up I was all right. But when I did a few pickup sprints I knew I was going to have trouble. There's no way you can tactfully get out of a meet at that point without a lot of people thinking you're just sloughing it off. There's no way I want to do that again. So I decided to just go ahead and run. I might be very depressed but there was nothing much I could do about it."

For a final workout before leaving Eugene, Jim scheduled a 14 mile run. "I had to stop at nine miles. I couldn't get my breath."

Kvalheim also left Eugene, but in far happier circumstances. He returned to Oslo the day after the race, his confidence buoyed and looking ahead to a best ever season.

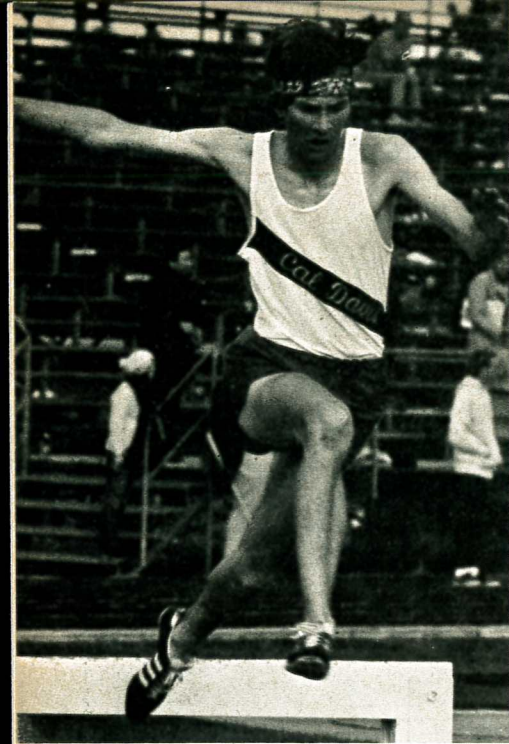
But in a post-race interview the Norwegian flyer talked more about Ryun's problems than of himself. "Jim has been very bad all week. Actually since a week before Philadelphia. The morning of the King mile his eyes were almost swollen shut. He has to clear out of here pretty soon. He can't train. He should not have run you know. He hasn't been training all this week. Jim has been sick and I don't think any sick person can really do his best. Whether you are Jim Ryun or not doesn't make any difference, when you are sick you're sick."

Arne said he wasn't really worried about Ryun making a move from behind. "I had a feeling he wouldn't do well. I know how much this takes out of you. When I first came to Oregon coach Bowerman asked me if I had any allergy problems and they started giving me shots from December on. The next year I forgot about it and it didn't start until March. I had trouble all season."

On the race, Kvalheim admitted the pre-race plan wasn't carried out, but said, "The pace was just fine. Plans never come through. I don't pay any attention to lap times anyway. They are indifferent. Especially when you run a waiting race. If it was 2:51 or 3:10 I would have done just the same thing."

Two other athletes had comments on the pollen. One reported he had been told in a University of Oregon class that Eugene had the potential to become the second most polluted city in the country. And the other, who has trained with Ryun, said the pollen had bothered Jim since well before his race with Marty Liquori.

"All of us knew Jim was in condition to run about two seconds faster than he did at Philadelphia," the runner said. "Jim would never say so, and won't take anything away from Marty, but the pollen already was getting to him. He's gone downhill for the last six weeks."



(Left) Ed Haver successfully defended his NCAA College Division steeple title, running 8:51.2. /Bill Ahrens/ (Right) Number one indeed. Ken Moore won the AAU marathon in his hometown of Eugene with 2:16:48.6. /Rich Clarkson, *Topeka Capital-Journal*/

already was off the pace in sixth place, buried in the middle of the quickly receding pack. Jim never could respond and attention was riveted on the spirited race up front with only occasional, unbelieving looks at the floundering Ryun. Pre buzzed past the gun in 2:59.9 with the taller, smoother Kvalheim four feet back. That's the way it was until the last curve when Arne ("I never kick more than 165 yards as I tie up if I try it.") made his move. He was well ahead into the final straight and missed Roscoe Divine's field record by a tenth when he thrust both arms aloft in victory and eased up in the last 10 yards. ("I always do that when I win.")

Prefontaine and Kvalheim were caught in 3:40.5 at 1500 meters. Arne's pace was an ever faster 60.7, 59.8, 59.4, and 56.5. He'd like to forget it, but for the record, Ryun struggled through 61.1, 60.4, 61.9, and 64.2. Third place went to Kvalheim's big little brother. Six-three and 175, Knut let himself stay with the second bunch too long before taking off in the last half lap to record an even four minutes.

Second best performance of the limited meet was the 8:37.6 solo steeple by Mike Manley. Pressing all the way, the veteran runner tired badly in the final run in and almost was a casualty on the last barrier.

Four of the six field events produced notable performances. Pete Shmock, surprise Pac-8 conference winner, had a big shot series, opening with a PR 63'2 $\frac{3}{4}$ " and continuing with 62'7", 62'1 $\frac{3}{4}$ ", 61'5 $\frac{1}{4}$ ", 62'2 $\frac{1}{2}$ " and 61'4". The jav went to former Oregonian Les Tipton at 255'10" and Marty Hill upped the school record by a quarter inch in clearing 7'1 $\frac{1}{4}$ ". Bouncy Moore equaled his own campus long jump mark of 26'1 $\frac{1}{2}$ " during a lull in the gusting winds, although there was no anemometer present.

Mile, A. Kvalheim' 3:56.4 (3:40.5°); 2. Prefontaine 3:57.4 (3:40.5°); 3. K. Kvalheim' 4:00.0; 4. Ritchie' 4:01.5; 5. S. Savage 4:01.9; 6. McClen-don 4:02.4; . . . 10. Ryun 4:07.7. 6Mile, M. Savage 29:36.4. 3000mSt, Manley 8:37.6; 2. Norris 8:48.8; 3. Gorman 8:54.2; 4. Williams 8:57.6; 5. Long 8:58.8. HJ, Hill 7'1 $\frac{1}{4}$ ". LJ(ok), Moore 26'1 $\frac{1}{2}$ ". SP, Shmock 63'2 $\frac{3}{4}$ ". JT, Tipton 255'10". MileR, Oregon 3:10.3 (Vance 45.6).

AAU MARATHON CHAMPIONSHIPS Moore Paces 2:16:48.6 for Hometown Treat

Eugene, Ore., June 6 /by Garry Hill/--Making good use of the swift course he had been instrumental in laying out and egged on by a frenzied hometown crowd, Ken Moore topped the greatest field of American marathoners to win both a national title and a spot on the Pan-Am team. Held in conjunction with Oregon's Twilight meet, the race served as the AAU championships and the Pan-American Games trials.

Treated to a standing ovation by the 11,000-plus crowd, the 103-man field, paced by Moore, did three circuits around Hayward Field before departing onto the course proper. The early pace was wicked, as the first five miles was passed in 25:40, running in the hot sun into a stiff breeze. Moore later said, "It wasn't a very intelligent race for me. The crowd got me so excited that I was up in the wind for the first five miles. That's not particularly comfortable when running miles in close to 5:00."

By 15 miles, Moore was at the front with track stars Jack Bachelier and Frank Shorter. Relative neophytes at the distance, Bachelier was in only his second-ever marathon, while Shorter was attempting his first, after a 13:31.8 three-mile previous day at the Kennedy Games. The lean Bachelier suffered a cramp in his upper calf at 17 miles, leaving Moore and Shorter alone.

Good friends, the pair reportedly talked with each other during the race. With six-miles remaining, Shorter said, "Why couldn't Pheidippides have died at 20-miles?" Reportedly hampered by intestinal complications, Shorter also said at this point, "I think you've got it." Moore held the pace

The Outward Pre-Run Calm of a Winner

In the midst of the organized confusion surrounding him, at least one runner awaited the start of the AAU marathon with outward calm. Flat on his back on the infield grass, knees raised, visiting with friends or watching others take their warm-up laps, the bearded runner acted for all the world like a man who has it made. And well he should, for Ken Moore was the strong pre-race favorite, undoubtedly the best of the more than a hundred marathoners and running in his home city besides.

Although the starting gun was only a few minutes away he was willing to talk. He was asked if Frank Shorter, by far the best of those yet to run a 26-miler, were serious, Ken replied affirmatively. "Well, he and I and Bachelier are going to sort of talk to each other. Frank wants to run 2:15 and is certainly capable of it. From my experience, you have to train over long distances if your stride isn't such that you can run without any jar. So it's absolutely essential for me to run 30-mile runs. Some people, like Drayton, can get away without doing that kind of training, because they are so well coordinated that they run without jarring. They don't have to be fit to stand the pounding and Frank is one of those kind of people. He's mechanically the most perfect distance runner I've ever seen. Much better than (Ron) Clarke."

Is this maybe one reason why Clarke wasn't successful in the marathon? "That's what Ron said himself. He said he ran 15 to 18 miles and his legs just got cramped. He couldn't take the pounding. He was a much heavier man, too. I'm not very well coordinated so once a week I run 30 miles just to keep whatever it is that lets your legs take the pounding. I train less now than I used to. I go about 90 miles a week. It's so broken up, hard days, light days. I really run only three days a week, that's all."

Told that "they say Ken Moore is going to run 2:08", the Oregon grad student was quick to reply, "Kenny Moore didn't say that." Then he discussed the course. "Actually a course with a little up and down roll is faster than an absolutely flat one. It breaks the monotony, forces you to think, to change your stride. I run five or six different ways on such a course."

The entry of Shorter was a fit subject for discussion. Number two 10,000-meter runner in the world last year, Frank was trying his first marathon and Moore related some of the reasons. "We were on the national team last summer and got to be good friends. I kept trying to talk him into the marathon. For one thing, he handled me regularly on the track and I wanted to get him into my race. With his stride and his ability you know he can run a good one. But you know why Frank says he is running? He says he needs a good rest and you just can't do any running for a week after a marathon."

until the 24 mile mark, then began his kick homeward. The partisan crowd went ape as the yellow and green clad Moore entered the stadium for his final lap. Mustering a mighty sprint for the last 40 yards, he clipped the tape in a fine 2:16:48.6. Shorter entered the field just in time to see Moore break the tape, and finished in an impressive 2:17:44.6 debut. This places Shorter fifth on the all-time US list.

Although the early pace, headwind and hot sun killed off all but 76 of the starters, the runner's agreed that the course was a good one, with no hills of consequence over a completely paved route.

1. Moore 2:16:48.6; 2. Shorter 2:17:44.6; 3. Lorenz 2:19:16.8; 4. Vitale 2:20:25; 5. Scobey 2:20:35; 6. Galloway 2:22:10; 7. Lowry 2:22:45; 8. Houk 2:23:06; 9. Fleming 2:24:02; 10. Robinson 2:25:34; 11. Best 2:25:58; 12. Kimball 2:26:46; 13. Pate 2:27:52; 14. Bache 2:27:56

NCAA COLLEGE CHAMPIONSHIPS Milburn Impresses, Minty Double Distance Victor

Sacramento, Calif., June 10-12 /from Dick Dodge/--Rod Milburn continued his impressive hurdling as he plunged into a 4.0 mph wind to clock a most creditable 13.5 in copping the NCAA College Division high hurdle title before some 3000 Saturday spectators in coolish and windy conditions. Only a sophomore, he will become the first Southern U athlete to compete in the university section of the NCAA in many years.

Milburn, who had clocked legal 14.1 and 13.7 preliminary rounds, had a yard lead by the third hurdle on North Carolina Central's Ron Draper and had that to the tape. Draper ran a personal equaling 13.6 in the final.

Gordon Minty of Eastern Michigan via England utilized strong last 1 $\frac{1}{2}$ lap finishes to bag both the six- and three-mile titles to become the meet's only double victor. In the six, Fullerton's Mark Covert pushed through a fast first three, before Minty and Wabash's Richard Bowman moved past. They ran abreast until the final furlong, and waged a seesaw stretch that finally saw Minty emerge the winner by four-tenths in 28:45.8. In the three, the pack of leaders was bunched virtually all the way until Minty and Mike Slack of North Dakota State broke loose and the time difference was twice as much as in the six, as Minty clocked 13:36.4.

Ashland's Jay Fabian, riding on the crest of a hot streak of good times and competitive efforts, took yet another fast victory, in the half-mile. He punched out a fast backstretch on the second lap and ran alone the final 220 for his 1:48.3 triumph. In the 440, Oxy's Hugh Brown couldn't overtake the lead of Kentucky State's Steve Jordan as both dashed 46.8.

Ray Brown of Cal Poly/SLO was a distinct standout among field eventers as he cleared 7'1 $\frac{1}{2}$ " to displace Morgan State's Eric Howard by 1 $\frac{1}{4}$ ".

100(-7.76mph wind), Garrett 9.7. 220(-c4.0mph), Black 20.9; 2. Garrett 21.2. 440, Jordan 46.8; 2. Brown 46.8; 3. Bayless 47.0. 880, Fabian 1:48.3; 2. Weiss 1:49.5. Mile, Seiler 4:06.2; 2. Meyers 4:06.2. 3Mile, Minty' 13:36.4; 2. Slack 13:37.2; 3. Covert 13:46.8. 6Mile, Minty' 28:45.8; 2. Bowman 28:46.2; 3. Covert 29:09.4. 3000mSt, Haver 8:51.2; 2. Costello 8:58.0. 120HH(-4.0mph), Milburn 13.5; 2. Draper 13.6. Semis: I(ok)-1. Milburn 13.7. 440IH, Bassett 51.3. HJ, Brown 7'1 $\frac{1}{2}$ "; 2. Howard 7'1 $\frac{1}{4}$ ". PV, Steben 15'6 $\frac{1}{2}$ ". LJ, Geredine 24'7 $\frac{1}{2}$ "w. TJ, Gill 51'10" w; 2. Geredine 51'3 $\frac{1}{4}$ ". SP, McCready 57'8 $\frac{3}{4}$ ". DT, Bivans 171'4". HT, Bredice 186'10". JT, Weber 235'2". Dec, Bakley 7067. Teams: 1. Kentucky State 42; 2. Cal Poly/SLO 33 (thrice defending champs); 3. Sacramento State 32.

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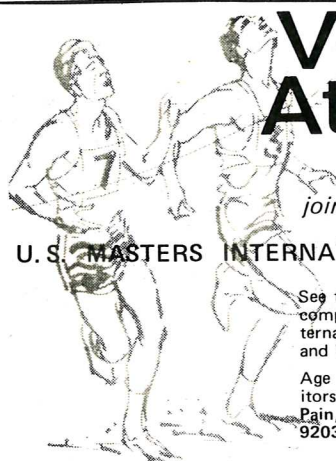
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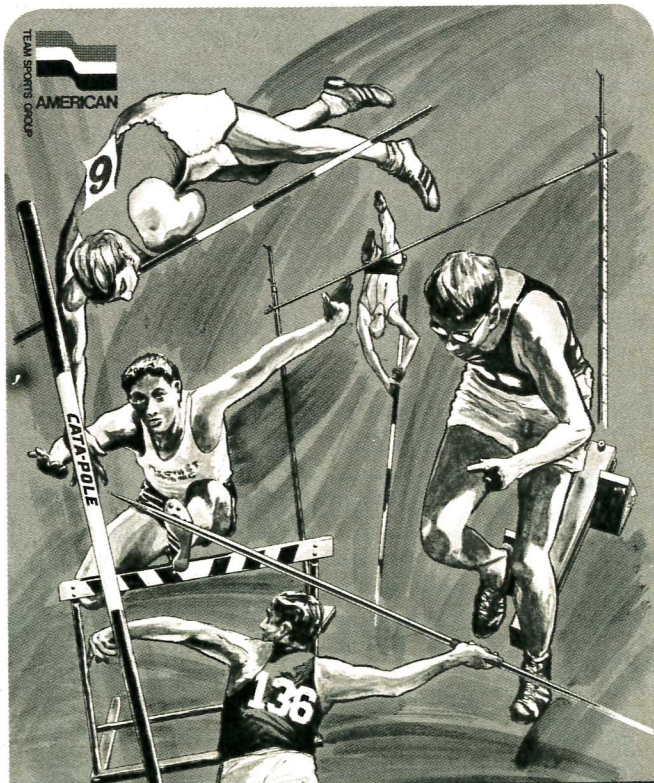


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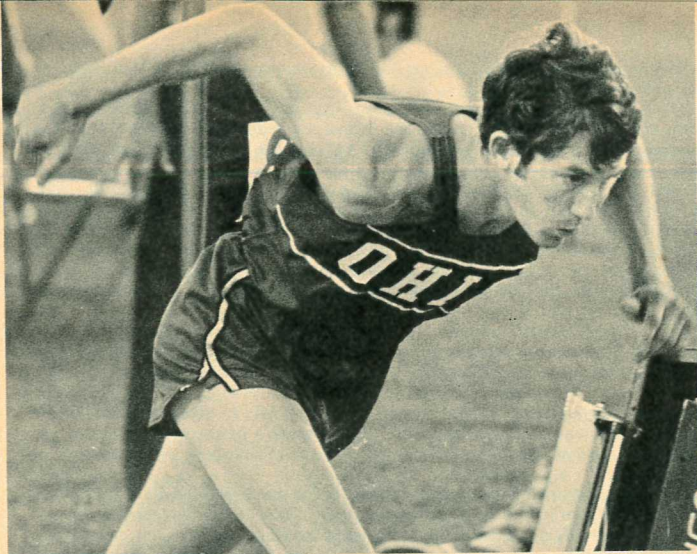


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Dick Bruggeman pulled off an unexpected victory in the USTFF 440 hurdles, his 50.2 lowering his former best by seven-tenths. /Don Chadez/



Jan Johnson soared once again at the USTFF, scaling an outdoor personal best of 17'3/4" for the vault title. /Jeff Johnson/

USTFF CHAMPIONSHIPS Daniels, Branch Lead Dazzling Speed Display

Wichita, Kans., June 11-12 /from George Grenier and Bob Hersh/-- Colorado speed was impressively evident as the USTFF championships duplicated the 1970 meet's orgy of fast sprint and hurdle times. Now in its ninth year, the meet took another step towards maturity as a more representative national championship affair as an added number of quality open athletes competed alongside the collegians.

Colorado's Ghananian, George Daniels, who recently turned an African record 9.2 in a quick trip to Nigeria, produced a triad of such clockings in this meet, each one with progressively less wind. The first two were illegal, aided by winds of 10.0 mph and 8.9, mph but the aid dropped to the maximum allowable, 4.473 mph during the final. Daniels, teammate Cliff Branch, and Del Meriwether started equally, picked-up equally and all but ended up equal as Branch also was given a 9.2 in second, with Meriwether a tenth back. Branch had utilized the biggest breeze of the day, a 15.7 mph job, to lead a hyper-fast semi with his 9.1. The furlong final had produced the same three finishers the previous day with Branch once more bowing to Daniels, both in 20.7. The race was impressive, considering the 5.7 mph headwind the runners faced. In that 220 Kentucky's Jim Green pulled up when something popped above his knee, and is probably out for the duration of the season.

In the high hurdles, Tennessee's Bill High continued his hot streak with a pair of windy 13.4s, the latter edging Texas A&M's surprising Rocco Woods (13.5) in the final. Significant in the event was the return of Colorado's Marcus Walker, last year's number-two ranked hurdler, who had been out of action since early April. Walker complained of pains in his injured thigh after his third place 13.6 finish in the highs, but still managed to anchor the Colorado foursome to a seasonal best of 39.5 in the sprint relay. With Branch and Daniels handling the first two legs, the rest of the field was never in contention.

Evidences of a fine mile relay were given in the heats, where six teams clocked 3:07.7 or faster led by Tennessee's 3:06.0. In the final, Abilene Christian's Roger Colglazier held a good lead coming up the final stretch, when Pacific Coast anchorman Jay Elbel burst by him. Then, even more quickly, Tennessee frosh Darwin Bond blew them both off with seemingly consummate ease. Bond's leg was the equal fastest of the year and one of the best ever, 44.5, as his foursome clocked the season's second best time, 3:05.0. Elbel's 45.2 brought his squad home in 3:05.6, while the dispirited Colglazier faded to 46.2. Still, Abilene Christian's 3:05.9 third is the equal-fastest ever run for that position. Bond had given portents of things to come in the open quarter, as he closed extremely swiftly from well off the pace to record a PR 46.3 in fourth. First and second placers Elbel and Dale Alexander of Kansas State also got best-ever, at 46.0 and 46.1.

In the one-lap route over the barriers, Dick Bruggeman of the Ohio Track Club came up with a big surprise, lowering his lifetime best from 50.9 to a then-world-lead-equaling 50.2. Bruggeman led the race from wire to wire as resurging Carl Wood finished second in 50.8.

Jan Johnson surprised by winning the pole vault in an outdoor PR 17'3/4". Said Johnson, "I'm elated, I didn't expect to clear a height. I ran nine miles with a friend last night, in Lawrence, thinking that I wouldn't be competing here." Bill Elliott flopped his way higher into the national picture by taking the other vertical jump in a seasonal best 7'1".

There were a pair of minor upsets in the weight events. Al Schoterman, who has missed two weeks of training after being hospitalized with exhaustion, was finally tagged by teammate Jacques Accambay, 213'5" to 209'10". In the shot, Randy Matson got another 68-footer, 68'1 1/2" to win, but Karl Salb topped Al Feuerbach for the runner-up position, 66'5 3/4" to 65'10".

Sid Sink had looked tough after his steeplechase win over Jeromee Liebenberg the week previously, but experienced Conrad Nightingale had little trouble in disposing of his young challenger, 8:46.6 to 8:49.2. Sink fared better in the three-mile the next day, taking over just after the mile mark to record a PR 13:23.4.

Other notable marks came in the triple jump and decathlon competitions. In the former, John Craft bounced a windy 54'1 1/2" on his first try, then passed his remaining five attempts with victory well in hand. Although most

The Fastest Stampede of Buffaloes

It's been some time coming but Colorado finally has its 440-yard relay team patched together to form one of the US's finer units. With internationalist Marcus Walker finally returning from a March hamstring pull and Ghana freshman George Daniels warming up with the midwest weather, the Buffaloes had little competition in the USTFF championships at Wichita but still cruised to a 39.5 clocking, second only to Southern Cal's 39.2 this year.

Colorado starts with its fastest runners and keeps the experienced Walker for anchoring duties. Cliff Branch, Wharton JC transfer and Daniels, a 21-year-old freshman, combine on the first two legs and usually push the squad to an early lead. Branch is an excellent curve runner and Daniels is quickly becoming one of the best dashmen around. It's doubtful anyone can stay with the Buffs over the first half of the race as both Daniels and Branch have legal 9.2s to their credit and execute efficient passes.

By the time number three runner Larry Brunson got the baton at the USTFF, Colorado had made up three staggers on the field but Walker took over after a slowish exchange and was a bit skeptical about going all out. His injured leg seemed to hamper him slightly as he placed third in the high hurdles (13.6) after leading early in the race.

"It bothered me a little coming over the last few hurdles," Walker admitted after he had finished and he limped to the training room. "I wanted to take it easy in the relay but it didn't bother me too much so I turned it on in the last 30 yards." That final stretch is vital time-wise for the Buffs but Walker could have eased up slightly and still won as Southern Illinois ran but 40.5 for second place.

It's easy to see the difference Walker's presence makes on the Colorado team. In the outdoor opener against New Mexico, Colorado ran 39.6 with him. It was shortly after that he pulled up lame and since then the Buffs reached only 40.2, though claiming victories at the Wyoming Invitational and Big 8 championships. He is the only senior on the team and his presence gives the rest of the runners confidence.

"We couldn't have done it without Walker," said Brunson, who is a 9.5 dashman himself. "If he is right we will do well. We took the final handoff a little easy this time, since it was Marcus' first meet in over two months. Now we want Southern Cal. They have the only time faster than us." Though the Brunson-Walker exchange wasn't as fast as the first two, it was just as well-timed.

The USTFF was a good warm-up for the Buffs' NCAA challenge in Seattle. In the finals on Saturday, Daniels and Branch had to run a heat, semi and final of the 100 before the relay final, all within three hours. The same went for Walker in the highs so Brunson was the only fresh runner. Though Walker was limping noticeably after the meet, he appears ready to return to the form that brought him second place in T&FN's world ranking last year and a 13.3 clocking.

Daniels is another story. When decathlete Bill Toomey visited Ghana last year for a Peace Corps clinic, he met Daniels and directed him towards the Boulder school. When Daniels enrolled in January, he saw snow for the first time in his life. As soon as he started adjusting to his surroundings, though, a call came from Ghana.

"They wanted me to come home for the dual meet with Nigeria," Daniels explained. "It's the country's biggest rivalry. Nigeria has 35 million people and Ghana has seven million. But this year we won." Daniels took the three sprints in 9.2 (an African record), 20.4 and 47.1 and contributed to two relay victories.

Now that they have gotten it all together, the Buffaloes appear ready to stampede in Seattle. /Don Steffens/

top 10-eventers were at the AAU championships, three still managed to crack the 7000-point barrier. Veteran Norm Johnston totalled 7298 to top young newcomers David Johnston of the Blue-dotter Track Club (7093) and Lamar Tech's John Whitson (7009), who both reached 7000 for the first time.

100(4.473 mph), Daniels' 9.2; 2. Branch 9.2; 3. Meriwether 9.3; 4. Crockett 9.3; 5. D. Williams 9.4; 6. Ware 9.4. Heats: I(10.0)-1. Daniels' 9.2; 2. Williams 9.3; 3. Ware 9.3. II(6.8)-1. Crockett 9.3. III(8.9)-

1. Branch 9.3; 2. Scavuzzo 9.3. Semis: I(8.9)-1. Daniels' 9.2; 2. Ware 9.3; 3. Williams 9.3. II(15.7)-1. Branch 9.1; 2. Crockett 9.2; 3. Meriwether 9.2; 4. Holloway 9.2; 5. Baldwin 9.2. 220(-5.7). Daniels' 20.7; 2. Branch 20.7; 3. Meriwether 21.2. 440. Elbel 46.0; 2. Alexander 46.1; 3. Van Hofwegen 46.2; 4. Bond 46.3; 4. Turner 46.5; 5. Morton 46.5. Heats: I-4. C. Mills 48.2. III-1. Alexander 46.5; 2. Turner 46.5; 3. Van Hofwegen 46.5. 880. Von Ruden 1:48.2; 2. Mosser 1:48.6; 3. Vinson 1:49.0; 4. Blackmon 1:49.3. Heats: III-1. Von Ruden 1:49.8. Mile. Fredericks 4:08.6; 2. Hilton 4:09.4. 3Mile. Sink 13:23.4; 2. Danforth 13:38.8; 3. Misner 13:39.4; 4. Brown II 13:42.6. 6Mile. Brown II 28:31.8; 2. Bringhurst 28:39.2; 3. Jobski 29:10.0. 3000mSt. Nightingale 8:46.6; 2. Sink 8:49.2. Mar. Ziegler 2:27:46. 120HH(6.7). High 13.4; 2. Woods 13.5; 3. Walker 13.6; 4. Taylor 13.6; 5. Hodges 13.7. Heats: II(7.0)-1. High 13.7; 2. Taylor 13.7. III(7.8)-1. Woods 13.8. Semis: I(13.4)-1. High 13.4; 2. Taylor 13.5; 3. Rodgers 13.7; 4. Woods 13.8. II(9.0)-1. Walker 13.7; 2. Hodges 13.8. 440IH. Bruggeman 50.2; 2. Wood 50.8; 3. Bornkessel 51.1; 4. Johnson' 51.1; 5. Chatham 51.6; 6. Cronholm 52.8.

HJ. Elliott 7'1"; 2. Taylor 6'11"; 3. Dobroth 6'11". PV. Johnson 17'3 1/4"; 2. Riley 16'6"; 3. Craig 16'6";... nh-Roberts. LJ. Carrington 25'11 3/4"w; 2. Brabham 25'6 1/2"ok; 3. Lanier 25'5"w (25'4"ok). TJ. Craft 54'1 1/2"w; 2. McClure 51'7 1/4"w; 3. Lanier 51'1 1/4"w; 4. Howard 50'6"w (50'1 1/4"ok); 5. Brauman 50'5 3/4"w. SP. Matson 68'1 3/4"; 2. Salb 66'5 3/4"; 3. Feuerbach 65'10"; 4. Jesse Stuart 64'9 1/2"; 5. Walker 62'9 1/2"; 6. S. Wilhelm 61'10 1/4". DT. Fuhs 183'7"; 2. Benien 183'4"; 3. Salb 178'8"; 4. Feuerbach 178'7". HT. Accambray' 213'5"; 2. Schoterman 209'10"; 3. Penny 193'9". JT. Colson 247'7". Dec. N. Johnston 7298 (10.7, 21'4 1/2", 44'9", 6'0", 50.4, 14.4, 132'3 1/2", 12'0", 177'11 1/2", 4:45.9); 2. D. Johnston 7093; 3. Whitson 7009; 4. Hill 6846.

440R. Colorado 39.5 (Branch, Daniels', Brunson, Walker); 2. Southern Illinois 40.5; 3. Kansas 40.8. MileR. Tennessee 3:05.0 (Craig 47.3, Hardy 46.5, James' 46.7, Bond 44.5). 2. Pacific Coast 3:05.6 (Frey 46.6, Von Ruden 47.7, Van Hofwegen 46.1, Elbel 45.2); 3. Abilene Christian 3:05.9 (Overly 47.4, Woodroof 46.7, McGuire 46.6, Colglazier 46.2); 4. Murray State 3:06.4 (Sowerby 47.7, McGinnis 46.5, Samuels' 47.2, Turner 45.0); 5. Rice 3:07.1. Heats: I-1. Tennessee 3:06.0 (Craig 47.4, Hardy 46.2, James' 47.0, Bond 45.2); 2. Pacific Coast 3:06.5 (Van Hofwegen 45.8); 3. Nebraska 3:07.1; 4. Murray State 3:07.7 (Turner 45.4). II-1. Abilene Christian 3:06.4; 2. Rice 3:07.1 (Grandjean 45.7); 3. Temple 3:10.1 (Ellwell 45.9); 4. Texas 3:10.6 (Morton 45.2).

AAU DECATHLON CHAMPIONSHIPS

Wanamaker Trips Hodge With 7989 Surprise PR

Porterville, Calif., June 12 /by Bert Nelson/--Rick Wanamaker, all 6'9" of him, is an awesome sight performing the 10 events of the decathlon, and he displayed an equally awe inspiring potential in coming from behind to capture the national AAU championships.

Overhauling favored Russ Hodge in the next to last event, the 23-year old Drake University graduate rolled up 7989 points to 7957 for the 31-year-old former world record holder. Five others were over 7500 points as five of the top septet earned personal highs.

Hodge began the second day with a 249 point bulge on Wanamaker. But the tall one was hot. His first day's 4031 was 103 points higher than he had done before and he had made decathlon bests in the long jump (23'2") and shot (48'6 3/4") and equaled his 100-meter top (11.0). Rick never cooled off. In fact, he continued to gain momentum. He and Hodge matched 14.9s in the

hurdles, another record equaler for Wanamaker. And then Rick began to chop away at Hodge's lead.

Taking the advice of another decathlete, Wanamaker improved his ring speed in the discus and upped his best by a dozen feet to 159'6 1/2". Hodge, noted as a thrower, managed only 150'1 1/2" and the margin was narrowed to 150 points. The vault saw Russ get an about-average 13'0" while Rick unveiled his "secret weapon", a 17-foot pole, to go 14'6", another PR. Now he trailed by only 33 points as they moved into the javelin. Wanamaker took an early lead and after Hodge had completed his throws with a best of 193'8" and Rick was out to 202'4 1/2" on his second toss, they were exactly even. But Wanamaker didn't like the idea of deciding it all in the 1500, and he showed his competitive fire by sailing the final throw 214'5", for a PR by seven feet. Now he led by 44 points.

Hodge needed to win by seven seconds to overcome the deficit and gain his first-ever AAU title. He had run 4:12.7 early in his career but hadn't been under 4:40 since 1965 while Wanamaker's best was 4:36.5 last year and 4:41.7 in his one competition this season. Just the night before, Russ had talked about the 1500. "The worst I have ever felt in track was during the 1500 in my world record (8230 in 1966). I wasn't in shape but I had to run all out to hold off Bill Toomey. Ever since then I've been reluctant to run it all the way." And so it was to be this time.

Russ trailed Wanamaker by five to 10 yards for the first three laps, then got his 220 lbs. rolling down the final backstretch. Casting worried glances over his shoulder, Rick struggled on while Hodge first caught and then passed him. Hodge had a little left at the finish while Wanamaker was rubbery-legged and sick. But the margin was only two seconds at the finish, as Hodge recorded a 4:39.9.

"Next time I've got to get far enough ahead so I can loaf in the 1500," said the always smiling Wanamaker. "It's too tough this way." Hodge ruefully admitted he should have taken the lead in the third lap, but "I didn't have the guts to do it. I haven't run one all year and I just didn't know what I could do. But where I really lost it was on the throws. A guy my size and strength should do better. I'm in top physical condition but need competition. The body is good. I've got to get it together up here", pointing to his head.

Wanamaker didn't mind that he had missed joining the exclusive 8000 point club by 11 digits. "Stats don't mean much. Winning does. I could tell the people in Des Moines I scored 8500 points and they wouldn't know what I was talking about. But everybody understands first place." He said the 304 point improvement over his USTFF championship total was so easy "it's like a gift", and he indicated he feels there is much room for improvement ahead.

That's a thought shared by most everyone. Wanamaker has the agility of a basketball player good enough to be drafted by the pros. He has the spring to high jump 7-feet and one observer, an ex-high jumper, said, "I know he could do 7'7" if he worked at it." His speed is good, as witness his 11.0 on a not fast track. The long arms and legs that go with his 6'9" height give him mechanical advantages in most of the field events, including the ability to hold his pole at a record 16'6". And although he hasn't lifted much and doesn't regard himself as strong, he has a wiry strength spread over his 210-lbs.

All this is sensed as he competes with a power and drive that often is more crude than polished. But this is understandable as he's had very little coaching in track, having concentrated on basketball until well into track season each year. And for the past year, while out of school, Rick has been unable to work out with the Drake team and hence has had practically no coaching.

The Hodge-Wanamaker battle overshadowed other close competition and some excellent performances. There were a number of casualties, including defending champion John Warkentin, just getting his strength back af-

Russ Hodge again barely missed the AAU decathlon title. /Don Chadez/



Ten Event Three Dot Hot Poop

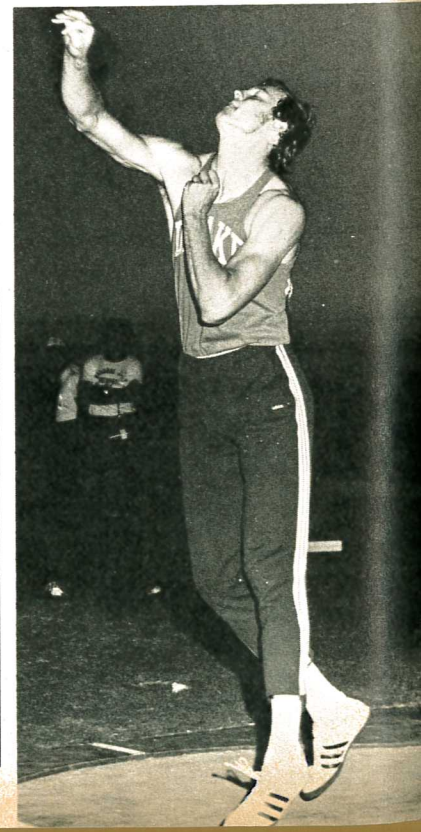
Heard, seen and noted at the decathlon championships... An interested observer was Congressman Bob Mathias, the 1948 and 1952 Olympic decathlon king, who grew up in Tulare, about 20 miles from Porterville. Rafer Johnson, whom many pair with Mathias as the greatest decathletes ever, hails from Kingsburg, 65 miles distant, and tried hard to be on hand but had a studio commitment. Starter for the meet was Sim Iness, high school teammate of Mathias and 1952 OG discus winner...

Rory Kenward, one-time 18-year record holder, underwent a patella (knee-cap) operation recently. The patella had almost worn through from irritation underneath and surgery removed the irritation and filled in the worn spot. He expects to enroll at University of California in Santa Barbara in September and still is enthused about the event... Gary King redshirted this season at New Hampshire after a hernia operation and will be a leading NCAA contender next year... New prospect Lynn Baker was hurt a week before the meet and Canadian veteran Gerry Morro had to withdraw after four events...

Aside from erroneously awarding a point for no valid performance, officiating was excellent and the only criticizable factor was the location of a second high jump pit in a dark area. Bruce Jenner, a 6'4" jumper, felt this caused him to miss the opening height of 5'6". Later, he got his second goose egg when he didn't open with a 13'6" vault clearance. He is a star water skier, finishing eighth in the national all-around last year... The Fosbury flop is big with decathletes as it is easier to learn in the limited time they have and is easier on the legs and knees. Those using it include Russ Hodge, Steve Gough, George Pannel, Jeff Bannister and Gary King...

An early arrival, Rick Wanamaker became bored and went out to throw the discus for something to do. Ross Newcomb, who later threw 135' and scored 6338, advised Rick to get his feet down quickly instead of floating around the ring. Rick took the advice and upped his lifetime best by 12-feet, more than enough to provide his margin of victory... Bannister reports his knee, badly injured in last year's nationals, is better now than it was before the injury and that he can jump in practice for the first time in years... Wanamaker found his 170-lb. 17-foot pole too "slushy" and is moving to 175... Porterville probably will be interested in staging either the AAU or the Olympic trials next year as will be Des Moines, Wanamaker's home.

Rick Wanamaker's PR 7989-point tally won him the AAU decathlon. /Chadez/



ter a bout with low thyroid only to suffer a bad left arm that prevented him from vaulting. Tom Waddell, whose comeback produced 7629 early in the year, hurt his leg the first day and withdrew, as did Dave Thoreson, who at age 30 had recorded a PR 7573.

Jeff Bennett held off Steve Gough for the third time this year, 7805 to 7800. It was a 196 point improvement for Gough while Bennett was pleased with his second highest ever, particularly since he got a late start after basic training in the Army. Fifth place was George Pannel at 7607, another PR, as were the scores in sixth and seventh. The latter spots were filled by two bright newcomers, one expected and one a surprise.

Gary King has lived in Jeff Bannister's shadow all his life, following him through high school, college and fraternity. And until now he seemed to be only trying hard to emulate Bannister who tallied 7754 last year and was on his way to 8100-plus when injured. But Gary made up his mind to be more than a hard trying little (5'10", 170 lbs.) man and this time he made it. His 7533 was a 480 point gain, and he'll be back in NCAA competition next year for New Hampshire.

Also in the NCAA next year, at one of four or five schools still under consideration, is Mike Hill, the long jumper from Mt. SAC. In only his third meet, Mike stood second with 4110 at the end of the first day and finished with a highly promising 7515.

In his first decathlon since ruining a knee last year, Bannister was the only other athlete over 7000, counting 7174. But the knee felt "better than ever", and he's looking ahead to next year, which should be a big one for US decathletes.

The evenings were warm and the conditions good as this small farming community in California's great central valley produced a finely run meet and an enthusiastic crowd of about 2000, big for decathlons.

Results (top line lists place in 71 AAU, athlete's name, affiliation, age, best score before meet, number of decathlons competed in including 71 AAU, first and second day scores and total score; bottom line lists performances in 71 AAU):

1. Rick Wanamaker, unat	23	7685	14	4031-3958	7989		
11.0 23'2"	48'6 $\frac{3}{4}$ "	6'7 $\frac{1}{8}$ "	51.2	14.9 159'6 $\frac{1}{2}$ "	14'6"	214'5"	4:41.9
2. Russ Hodge, Striders	31	8230	27	4233-3724	7957		
10.5 23'3 $\frac{3}{4}$ "	53'11"	6'2"	49.0	14.9 150'1 $\frac{1}{2}$ "	13'0"	193'8"	4:39.9
3. Jeff Bennett, Fort MacArthur	22	8072	15	3978-3927	7805		
10.9 23'1 $\frac{1}{4}$ "	39'8"	6'3 $\frac{3}{8}$ "	47.2	14.8 115'1 $\frac{1}{2}$ "	15'9 $\frac{1}{2}$ "	178'9 $\frac{1}{2}$ "	4:18.1
4. Steve Gough, Falcon TC	23	7604	8	4019-3781	7800		
11.2 23'9"	48'1 $\frac{3}{4}$ "	6'4"	49.5	14.6 148'9"	12'6"	212'7"	4:39.9
5. George Pannel, Westmont TC	24	7467	13	4014-3593	7607		
10.8 23'7 $\frac{3}{4}$ "	45'3 $\frac{3}{8}$ "	6'2"	49.4	14.4 138'11 $\frac{1}{2}$ "	12'6"	179'3"	4:44.6
6. Gary King, unat	22	7053	10	3929-3604	7533		
10.9 23'2 $\frac{1}{4}$ "	44'1 $\frac{1}{2}$ "	6'4"	50.6	15.3 132'8 $\frac{1}{2}$ "	13'0"	212'7"	4:47.5
7. Mike Hill, Mt. SAC JC	20	7226	3	4110-3405	7515		
10.8 24'5"	39'11"	6'8"	48.9	14.6 121'7"	13'0"	144'3"	4:37.2
8. Jeff Bannister, Striders	25	7754	16	3697-3477	7174		
11.2 21'10 $\frac{1}{4}$ "	45'3 $\frac{1}{2}$ "	5'8 $\frac{3}{8}$ "	48.8	15.4 144'2"	10'0"	207'5"	4:33.6
9. Sobieszczyk 6977; 10. Carter 6921 (15'9 $\frac{1}{2}$ "); 11. Proctor (15'0"); 12. Goldberg 6846; 13. Kring 6736 (14'9"); 14. Hanson 6675 (14'5"); 15. Aungier 6614; 16. Riddle 6598 (4:13.4); 17. Newcomb 6338; 18. Crouse 6264; 19. Wells 6218; did not finish: Warkentin 5399 (8 events), Wedman 4358 (7 events, 49'9", 6'8"), Waddell 3807 (5 events).							

AAU 50 KILO WALK

Young Posts Fastest Mark in World at 4:18:29.2

Cedar Grove, N.J., June 12 /by Bob Bowman/--In winning the AAU 50-kilometer championships, Larry Young once again proved that other US 50-kilo walkers are no match for him. Making good his comeback efforts towards Munich, Young powered his way around the 13 laps of the course in 4:18:29.2, the best legitimate time in the world for the year.

In what was one of the most competitive 50-kilos in many years, Young was closely followed across the finish line by defending champ John Knifton, Gary Westerfield and Goetz Klopfer. These four, along with several others, were tightly bunched until around 35-kilos, when Young built up his winning margin. Klopfer was holding onto second position at this point but faded a bit over the last 10-kilos.

With five of the 50 starters finishing under 4 $\frac{1}{2}$ hours and 11 finishing inside five hours under fairly tough conditions, an optimistic feeling for the future of the US in international race walking prevails. Marty Liquori was on hand to congratulate Young on his fourth 50-kilo championship. Young took three titles in a row (1966-67-68) and then retired for two years.

1. Young 4:18:29.2; 2. Knifton 4:19:23; 3. Westerfield 4:21:05; 4. Klopfer 4:21:31; 5. Kulik 4:28:29; 6. Kitchen 4:30:17; 7. Ranney 4:42:10; 8. Daniels 4:43:49; 9. Geiver 4:47:30; 10. Sculley 4:50:12.

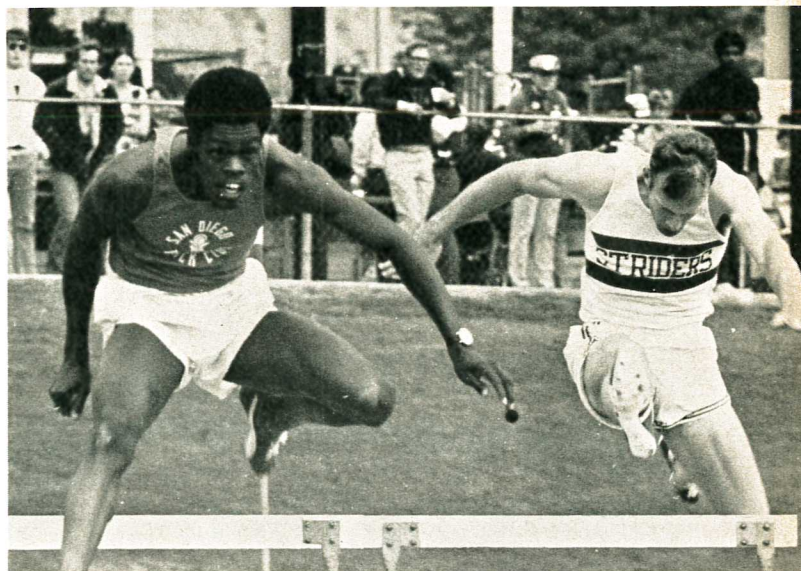
PAAAU

Ryun Tests Self With Inconclusive 1:49.3 800 Win

Hayward, Calif., June 12 /by Jon Hendershott/--Six days after suffering through an agonizing 10th-pace 4:07.6 mile at the Eugene Twilight meet, Jim Ryun cruised through an easy 1:49.3 800-meters at the Pacific AAU championships. But the race didn't tell him any more about his state of fitness after his bout with the Oregon pollen than he knew before.

"As much as anything the race was just to see how I was feeling rather than as a competitive test," Ryun said after the race, an unspectacular affair which saw him boxed for the first lap before surging as he pleased with 300-meters left and win going away by nearly three seconds over equally unspectacular competition.

"I didn't feel that bad, but I really don't know where I am fitnesswise. It was a stupid race. What happens now? I don't know. We will just have to wait and see how I feel. No, it wasn't anything close to last week. When I have the pollen attacks, I can't even breathe. It's not like a cold because you can breathe even with a cold; with this, I can hardly even breathe."



Wes Williams (l) and Ron Whitney raced stride-for-stride, hurdle-for-hurdle in the 440 hurdles at the Rose Festival meet before Williams emerged a narrow winner with the season's quickest time of 50.1. Whitney notched his seasonal low just a tenth back in second. /Bill Foster/

In more ways than one, Ryun probably summed up this latest snag in his comeback with the comment, "It's all very up in the air right now."

800m, Ryun 1:49.3. DT, Powell 201'9"; 2. Kennedy 190'1". HT, Bredice 192'4"; 2. Tice 191'11".

ROSE FESTIVAL

Francis Flings 259'9", Williams Hurdle Leader

Portland, Ore., June 12 /from Don Jacobs/--Russ Francis continued his head-shaking javelin throwing and Wes Williams emerged from a tight battle with Ron Whitney with the season's quickest 440 hurdles clocking at the Rose Festival Invitational.

Francis, the sensational surprise spear-slinger from Pleasant Hill, Ore., High, who has punctured the prep jav mark twice already this season, blasted a 259'9" stunner on his first throw of the competition to boost his 254'11" high school record. That mark held up until the final throw of the proceedings when Larry Stuart popped a 267'1" heave to pull out the win. Mark Murro, prep record holder before Francis, reached 259'2" in third, and then quipped, "Do you realize I've just been beaten by a high school kid?" Stuart commented, "A high school kid doing 259 on his first throw in a big meet is just unreal." Francis admitted, "It shocked me, too. I was awfully nervous today; I came here expecting to be dead last." Murro also enthused about Francis as a technician. "What an arm," said the American record holder. "He pulls through the point as well as anyone I have ever seen. If he had speed and control, he could throw 280 right now."

In the one-lap hurdles, San Diego TC's Williams and Strider Whitney battled head-to-head over all 10 hurdles before Williams emerged the victor, 50.1 to 50.2. Williams' clocking paces the nation and both, as well as third-placer Jim Bolding (50.3), clocked seasonal tops. Bolding's is also a career low.

Gerry Lindgren scurried the first lap of the three-mile in 61-seconds and still led after a 2:04 880 and 4:17 mile. Ken Moore joined him soon after and they stayed together until the gun lap when Lindgren again sprinted, coming home first in 13:16.2 to Moore's 13:18.2. Lee Evans was a wire-to-wire 440 winner in 46.0, while Don Quarrie zipped a 20.4 furlong under unknown wind conditions.

100 (nwi), Deckard 9.6. 220(nwi), Quarrie' 20.4; 2. W. Turner 20.7; 3. L. Miller' 20.7. 440, Evans 46.0; 2. Garrison 46.5. 880, Sandison 1:48.7. Mile, Carr 4:05.3. 3Mile, Lindgren 13:16.2; 2. K. Moore 13:18.2; 3. Harrison 13:26.6. 2Mile Walk, Tyrer 14:05.9. 120 HH (nwi), White 13.8; 2. Babb 13.9. 440IH, Williams 50.1; 2. Whitney 50.2; 3. Bolding 50.3. HJ, Culp 6'10 $\frac{1}{4}$ "; 2. Hawkins' 6'10 $\frac{1}{4}$ ". PV, Caruthers 16'6". LJ(nwi), Whitley 25'5"; 2. B. Moore 25'2 $\frac{3}{4}$ "; 3. Robinson 25'1 $\frac{1}{4}$ ". TJ(nwi), Tiff 51'7 $\frac{1}{2}$ "; 2. Reader 50'6". SP, Matson 65'8 $\frac{1}{4}$ "; 2. B. Wilhelm 63'3". DT, Vollmer 193'5"; 2. Kohler 191'5". HT, Gage 216'8"; 2. Hart 206'5". JT, Stuart 267'1"; 2. Francis 259'9" HSR; 3. Murro 259'2"; 4. Skinner 258'1"; 5. Luke 255'8"; 6. Tipton 255'2".

OTHER HIGHLIGHTS

Steele Cleans Bruggeman With Surprise 50.3

Bob Steele produced a mild surprise in the 440 hurdles as he slugged Dick Bruggeman by a full second at the Stagg Relays (Chicago, June 5). Steele clocked 50.3, just two-tenths off his career low and his fastest clocking since 1967. Three days later Steele matched his high hurdle best of 13.9.

In the Met AAU (New York City, June 12) Byron Dyce clocked 1:48.7 in the 880 and Norm Tate produced another good horizontal jump double. First Tate leaped a legal 25'3 $\frac{3}{4}$ " on his second long jump, but he landed in a hard part of the pit and his knees hit his chin. Then in the triple, with a cut chin and sore teeth, he took just one jump, reaching 53'5 $\frac{1}{2}$ "-- $\frac{1}{2}$ " longer than the shot winner as it turned out--and then called it a day. □

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Outdoor Report

by
Garry Hill and Jon Hendershott

This Special Report Includes Marks to June 13

This is T&FN's special June US Report. While other reports during the year do not contain marks from the weekend during which the magazine goes to press this report contains all marks reported to T&FN by presstime. This means that all marks recorded in major competition prior to the NCAA meet will be reported here, if they make T&FN standard. But, while other reports go 50 deep, with detailed performances for top performers, this report lists roughly the top 24 performers per event for the year. Seasonal bests recorded since the II May report are indicated by an asterisk (*). Resident aliens are identified by the ' after their name.

Symbols: n=non-winning time; °=time recorded en route to longer distance; tr=walk made on track rather than road.

The following are the accepted world records as of March 1, 1971.

American records, where different, are listed in parentheses: 100y, 9.1; 100m, 9.9; 200m, 19.8; 220y, 20.0; 400m, 43.8; 440y, 44.7; 800m, 1:44.3 (1:44.8); 880y, 1:44.9; 1500m, 3:33.1; Mile, 3:51.1; 2Mile, 8:19.6 (8:22.0); 3Mile, 12:50.4 (12:53.0); 5000m, 13:16.6 (13:33.8); 6Mile, 26:47.0 (27:11.6); 10,000m, 27:39.4 (28:17.6); 3000mSt, 8:22.0 (8:30.6); Mar(unofficial) 2:08:33.6 (2:11:12); 20kWalk, 1:26:45.8 (1:31:10.2); 50kWalk, 4:10:51.8 (4:15:24.0); 120y/110mHH, 13.2; 400mIH, 48.1 (48.8); 440yIH, 48.8; HJ, 7'5 $\frac{3}{4}$ " (7'4 $\frac{1}{4}$ "); PV, 18'1 $\frac{1}{2}$ " (17'10 $\frac{1}{4}$ "); LJ, 29'2 $\frac{1}{2}$ "; TJ, 57'3 $\frac{3}{4}$ " (55'1 $\frac{3}{4}$ "); SP, 71'5 $\frac{1}{2}$ "; DT, 224'5"; HT, 245'0" (235'11"); JF, 304'1 $\frac{1}{2}$ " (300'0"); Dec, 8417; 400mR, 38.0; 440yR, 38.6 (39.0); 800m/880yR, 1:21.7; 1600mR, 2:56.1; MileR, 3:02.8 (3:03.4); 3200mR, 7:08.6 (7:16.4); 2MileR, 7:11.6 (7:16.4); 4MileR, 16:09.0; SpMedR, --(3:15.2); DisMedR, --(9:33.0).

100 YARD DASH

Mel Pender, now 33, is reportedly eager to make his third Olympic team, in 1972. "You know," he says, "a lot of people underestimate us old guys. I know it would be hard for an old guy like me to win a gold medal, but maybe I could get one of the top three."

- | | | | |
|-----------------------------|-------|--------------------------------|-------|
| 1. Francis Baldwin, D Bapt | 9.2* | Jim Kemp, Strid | 9.3 |
| Cliff Branch, Colorado | 9.2n* | Carl Lawson', Id St | 9.3* |
| George Daniels', Colo | 9.2* | Del Meriwether, Balt OC | 9.3n* |
| Willie Deckard, Sn Cal | 9.2 | Mel Pender, US Army | 9.3n* |
| Jim Green, Kentucky | 9.2* | J-L Ravelomanantsoa', West 9.3 | |
| Willie McGee, Alc A&M | 9.2* | Dennis Schultz, Okla St | 9.3 |
| Jack Phillips, Gramb | 9.2* | Jerry Sims, Alcorn A&M | 9.3n* |
| 8. James Amerison, Linc | 9.3* | Chuck Smith, Cal TFA | 9.3 |
| James Batie, Troy St | 9.3 | Robert Taylor, Tex Sn | 9.3* |
| Ivory Crockett, Sn Ill | 9.3 | Bob Ware, Cuyahoga CC | 9.3 |
| Warren Edmonson, UCLA A9.3n | | Herb Washington, Mich St | 9.3 |

Wind-aided: 9.1, *Cliff Branch (Colo), Willie McGee (Alcorn A&M). 9.2, n*Ivory Crockett (Sn Ill), Jerry Denton (Dall Bapt), Mel Gray (Mo), Walter Henderson (NM), n*Bill Holloway (E Tenn St), nEric Jones (P View A&M), Ronald Martin (P View A&M), n*Del Meriwether (Balt OC), Jerry Sims (Alcorn A&M), Ronnie Welch (UCLA), Charles Wilson (Mid Tenn St).

220 YARD DASH

In a hot season with good depth in other events, the furlong is curiously slow. At this time in 1970, there were 27 at 20.7 or faster, while this season there are only 15. And the quality times are not in the abun-

Little Jean-Louis Ravelomanantsoa (l) rips into the tape of the California Relays 100-yard dash 9.3-seconds after the start to win from Lennox Miller (217), Jim Green (Kentucky) and Don Quarrie (224), all 9.4. Ravelomanantsoa's triumph ended Green's undefeated year at six finals. /Don Chadez/

dance in which they have appeared in other years. Last season there were eight with legal times of 20.5 or better and this year there are only three.

- | | | | |
|----------------------------|-------|-----------------------------|-------|
| 1. Willie Deckard, Sn Cal | 20.2 | Larry Highbaugh, Indiana | 20.7* |
| 2. Larry Black, N Car Cent | 20.5 | Harrington Jackson, El Paso | 20.7* |
| Edesel Garrison, Sn Cal | 20.5n | Dennis Walker, Adelphi | 20.7 |
| 4. Francis Baldwin, D Bapt | 20.6* | 16. Nii Addo Alotey', LA St | 20.8 |
| Cliff Branch, Colorado | 20.6 | Darwin Bond, Tennessee | 20.8n |
| Marshall Dill, Mich HS | 20.6* | Glennis Cobb, Dillard | 20.8 |
| Warren Edmonson, UCLA | 20.6n | Wayne Collett, UCLA | 20.8 |
| Carl Lawson', Id St | 20.6* | Roger Colglazier, ACC | 20.8 |
| 9. Al Coffee, LSU | 20.7 | Bill O'Connell, NY HS | 20.8* |
| George Daniels', Colo | 20.7* | Don Quarrie', Strid | 20.8* |
| Dick Garrett, Ky St | 20.7* | John Smith, UCLA | 20.8 |
| Mike Goodrich, Indiana | 20.7 | | |

Wind-aided: 20.4, *Larry Black (N Car Cent), *George Daniels' (Colo). 20.5, *Robert Mitchell (Houst), *Don Quarrie' (Strid), Dennis Schultz (Okla St). 20.6, *Mike Goodrich (Ind), nHarrington Jackson (El Paso), John Smith (UCLA). 20.7, n*Ivory Crockett (Sn Ill), *Jerry Denton (Dall Bapt), n*Alvin Dotson (P View A&M), n*Larry Stinson (Swn Okla St).

Incomplete wind info: 20.4, *George Daniels' (Colo), *Don Quarrie' (Strid). 20.7, n*Lennox Miller' (Strid), n*Willie Turner (Staters).

440 YARD DASH

A loser in the one-lap race very infrequently, Lee Evans has twice this year been shunted to third place. This has not happened to the Olympic champ at 440-yards since his prep days and perhaps not even then... Dave Morton has run some quality practice times this year, among them a 35.2 for 352-yards two days before his 44.5 relay carry and a 54.2 for 500-yards. The latter time is superior to the best ever run officially for the distance, indoors or out... Darwin Bond equaled Morton's 44.5 carry at the USTFF meet. Others under 45.0 this year with a baton are Edesel Garrison (44.7) and Alvin Dotson (44.9).

- | | | | |
|----------------------------|--------|-------------------------------|--------|
| 1. Wayne Collett, UCLA | 45.4* | Jim Kemp, Strid | 46.4n* |
| Edesel Garrison, Sn Cal | 45.4 | 16. Mike Norman, Missouri | 46.5n* |
| 3. John Smith, UCLA | 45.5n | Dennis Schultz, Okla St | 46.5n |
| 4. Lee Evans, Stockton TC | 45.9* | Louis Vicenik, Houston TC | 46.5n* |
| Curtis Mills, Tex A&M | 45.9 | Lloyd Wills, LSU | 46.5 |
| Dave Morton, Texas | 45.9* | 20. Chip Grandjean, Rice | 46.6n |
| 7. Hugh Brown, Oxy | 46.0* | Bob Knox, E Tenn St | 46.6n* |
| Jay Elbel, P Coast | 46.0* | 22. Tony Krzyzosiak, Calif HS | 46.7* |
| Tommie Turner, Mur St | 46.0n* | Fanahan McSweeney', McN | 46.7 |
| 10. Dale Alexander, Kan St | 46.1n* | Terry Musika, P Coast | 46.7 |
| 11. Len Van Hofwegen, P Ct | 46.2n* | Larry Stinson, SWn Okla St | 46.7* |
| 12. Darwin Bond, Tenn | 46.3n* | Steve Straub, Rice | 46.7* |
| Alvin Dotson, P View | 46.3n* | Weldon Vance, Oregon | 46.7* |
| 14. Roger Colglazier, ACC | 46.4n* | | |

880 YARD RUN

Dave Morton also holds a share of the lead in half-mile relay legs as he and Juris Luzins both have 1:46.8 clockings. Other top legs belong to Mark Winzenried (1:46.9) and Kansas' Jim Neihouse (1:47.9).

- | | | | |
|---------------------------|----------|--------------------------------|----------|
| 1. Mark Winzenried, Wisc | 1:47.5 | Mike Mosser, W Va | 1:48.6n* |
| 2. Juris Luzins, Quantico | 1:47.6* | 14. Tom Ericson, N Mexico | 1:48.8 |
| 3. Tom Von Ruden, P Cst | 1:47.7n* | Tommy Fulton, Tex Sn | 1:48.8n* |
| 4. Jay Fabian, Ashland | 1:48.0* | Bob Kaczka, S Car | 1:48.8n* |
| 5. Clardy Vinson, Kans St | 1:48.1* | Lennox Stewart', Brev JC | 1:48.8* |
| 6. Art Sandison, Coug TC | 1:48.2* | 18. Rudolph Griffith, Miami JC | 1:49.0n* |
| Bob Wheeler, Duke | 1:48.2 | Brian McElroy, NYAC | 1:49.0n* |
| 8. Byron Dyce', United AA | 1:48.3n* | Ron Whitney, Strid | 1:49.0n* |
| 9. Greg Jones, El Paso | 1:48.4n* | Rick Wohlhuter, N Dame | 1:49.0* |
| 10. Keith Colburn, Sp Int | 1:48.6n* | 22. Harold Kimball, Sn U | 1:49.1n* |
| John Drew, California | 1:48.6n* | Marcel Philippe, Ford | 1:49.1n* |
| Lee LaBadie, Illinois | 1:48.6* | Tony Waldrop, N Car | 1:49.1n* |
- 800-meters: 1:48.3, n*Lowell Paul (UCTC).





(Left) Rick Wohlhuter (l) scored his first major win since the 70 NCAA indoor 600 with this 1:49.0 880 triumph in the IC4A. He edged Bob Wheeler (r) by two-tenths. /Albert Session/

(Center) In a relay or on the flat, both Garth McKay (l) and Joe Savage (r) have clocked some quick efforts. McKay has covered three-miles in 13:26.2 while Savage has a 4:02.7 mile and a 1:48.7 relay carry. /Steve Murdock/

(Right) George Stewart of Oklahoma State (l) outleaned Texas' Ricky Yarbrough (r) to win the Meet of Champions mile in a PR 4:03.7. Yarbrough was just a tenth back, also a career low. /Dick Ganslen/



ONE MILE RUN

- | | | | |
|----------------------------|----------|------------------------------|----------|
| 1. Marty Liquori, Vill | 3:54.6* | 13. Jim Crawford, Ft Mac | 4:00.4n* |
| 2. Jim Ryun, Ore TC | 3:54.8n* | 14. Keith Munson, Ore St | 4:01.0n* |
| 3. Arne Kvalheim', Or TC | 3:56.4* | 15. Keith Colburn, Spts Intl | 4:01.1n* |
| 4. Tom Von Ruden, P Cst | 3:57.2n | 16. John Lawson, P Coast | 4:01.2n |
| 5. Steve Prefontaine, Ore | 3:57.4n* | 17. Rick Ritchie', Oregon | 4:01.5n* |
| 6. John Mason, P Coast | 3:57.9n | 18. Chris Mason', Villanova | 4:01.7n |
| 7. Lee LaBadie, Illinois | 3:58.4 | 19. Dave Hill', Sn Illinois | 4:01.9n* |
| 8. Jerome Howe, Kans St | 3:59.4* | Steve Savage, Oregon | 4:01.9n* |
| 9. Larry Rose, Okla St | 3:59.5 | 21. Chuck LaBenz, P Coast | 4:02.0n* |
| 10. Byron Dyce', UnitedAA3 | 3:59.6n* | Dennis Savage, SBAA | 4:02.0n* |
| 11. Knut Kvalheim', Ore | 4:00.0n* | 23. Jim Johnson, Washington | 4:02.1n |
| Reggie McAfee, BrvJC | 4:00.0n* | 24. Greg Carlberg, Nebr | 4:02.2n* |
- 1500-meters: 3:40.2, *Jim Ryun (Ore TC). 3:40.5, *Arne Kvalheim' (Ore TC), *Steve Prefontaine (Ore).

TWO MILE RUN

As the two-mile gives way to the three in more and more meets, the number of people recording a mark for the event is falling off--only 45 Americans have broken 8:55.0 this year. However, the quality is better than ever, with nine US citizens under 8:40.0, the highest number ever.

- | | | | |
|-----------------------------|----------|------------------------------|----------|
| 1. Arne Kvalheim', Or TC | 8:30.2* | 13. Rick Riley, Cougar TC | 8:39.8n* |
| 2. George Young, unat | 8:30.6 | 14. Mike Manley, Ore TC | 8:40.0n* |
| 3. Kerry Pearce', unat | 8:33.2 | 15. Jim Ryun, Ore TC | 8:41.4n |
| Steve Prefontaine, Ore | 8:33.2 | 16. Knut Kvalheim', Oregon | 8:43.2n |
| 5. Frank Shorter, Fla TC | 8:33.4n | 17. Sid Sink, B Green St | 8:45.6* |
| 6. Steve Stageberg, Gwtn | 8:34.2n* | 18. Bob Boglione, Ariz St | 8:45.8 |
| 7. Tarry Harrison, Strid | 8:34.4n* | 19. Jim Johnson, Washington | 8:46.0n |
| 8. Jack Bachelier, Fla TC | 8:34.8n | 20. Sam Bair, P Coast | 8:46.4n |
| 9. Johan Halberstadt', unat | 8:35.8n | 21. Gordon Minty', En Mich | 8:47.8n* |
| 10. Dave Wilborn, OreTC | 8:36.8n* | Bob Price, Ath in Action | 8:47.8 |
| 11. Don Kardong, Stan | 8:37.8n* | 23. John Bednarski', El Paso | 8:48.2 |
| 12. Richard Sliney', N Az | 8:38.6n | 24. Dave Hindley', BYU | 8:48.2° |

THREE MILE RUN

George Young has been burning the opposition all season with his strong race-ending kick. Exemplary of this was his finish in his American 5000-meter record, where he covered the 12th lap in 60.4, then ran the remaining 188 yards at a 57.1 pace. . . According to studies made by exercise physiologist Jack Daniels, Steve Stageberg may be at least physiologically capable to run a world record time over three-miles. Based on the amount of oxygen consumed per kilogram of body weight, the figures show that Stageberg has one of the highest oxygen consumption rates ever tested.

- | | | | |
|---------------------------|------------|------------------------------|-----------|
| 1. Steve Prefontaine, Ore | 13:01.6 | 13. Rick Gross, Illinois | 13:24.8n |
| 2. Frank Shorter, Fla TC | 13:07.0 | 14. Charles Messenger, USAH3 | 13:25.0n* |
| 3. George Young, unat | 13:07.8° | 15. John Jones, Air Force | 13:25.2n |
| 4. Garry Bjorklund, Minn | 13:12.2n* | 16. Garth McKay, Geotwn | 13:26.2n* |
| 5. Jack Bachelier, Fla TC | 13:13.0n* | Larbi Oukada', Tex Strid | 13:27.2° |
| 6. Steve Stageberg, GwtnA | 13:15.8* | 18. Marty Liquori, Villanova | 13:27.2° |
| 7. Gerry Lindgren, Cg TC | 13:16.2* | 19. Dave Hindley', BYU | 13:27.8n |
| 8. Ken Moore, Ore TC | 13:18.2n* | 20. Mike McDonald, AdamsSt | 13:28.0n |
| 9. Don Kardong, Stanford | 13:20.8n* | 21. Barry Brown, NYAC | 13:28.4n° |
| 10. Tarry Harrison, Strid | 13:23.0n°* | 22. Arne Kvalheim', Ore TC | 13:29.0° |
| 11. Sid Sink, B Green St | 13:23.4* | Jay Mason, Kansas | 13:29.0n |
| 12. Len Hilton, Houston | 13:23.8* | 24. Paul Lightfoot', AATC | 13:29.6* |
- 5000-meters: 13:32.2, *George Young (unat). 13:35.0, n*Frank Shorter (Fla TC). 13:37.2, n*Jack Bachelier (Fla TC).

SIX MILE RUN

Although he had run the distance previously in cross country, Greg Frederick's 28:23.8 win at the IC4A was his first-ever six-mile on the

track. Asked what he thought of the race, he replied, "The first thing you think about comes at the end of the first lap. You come around and there's a guy holding up a card that says 23 laps to go and you feel sick. After that, your mind wanders. You think about all kinds of things". . . Going into the NCAA meet, Garry Bjorklund will have the greatest lead over his nearest competitor of any event leader--46.0 seconds.

- | | | | |
|----------------------------|----------|-------------------------------|-----------|
| 1. Frank Shorter, Fla TC | 27:24.4 | 13. Richard Sliney', Nn Ariz | 28:28.2n |
| 2. Garry Bjorklund, Minn | 27:24.6n | 14. Jeff Galloway, Fla TC | 28:28.8* |
| 3. Jack Bachelier, Fla TC | 27:36.8n | 15. Bill Clark, WVTC | 28:29.8 |
| 4. Charles Messenger, AF27 | 47.6n | Alvaro Mejia', WVTC | 28:29.8 |
| 5. John Jones, Air Force | 27:48.4n | 17. Paul Lightfoot', AATC | 28:31.2° |
| 6. Jerry Jobski, P Coast | 28:01.8 | 18. Donal Walsh', Villanova | 28:31.6n* |
| 7. Mark Covert, Full St | 28:08.6 | 19. Doug Brown II, Tenn | 28:31.8* |
| 8. Dave Hindley', BYU | 28:10.6n | 20. Gary Tomczak, Minn | 28:32.6n |
| 9. Greg Fredericks, Pn St | 28:23.8* | 21. John Hartnett', Villanova | 28:37.2n* |
| 10. Tom Laris, NYAC | 28:27.8n | 22. Scott Bringham, Utah | 28:39.2n* |
| 11. Wes Dutton, Mid-Am | 28:28.0n | 23. Mike Graves, Duke | 28:41.2n* |
| Ken Misner, Fla St | 28:28.0n | 24. Keith Munson, Ore St | 28:42.4 |
- 10,000-meters: 29:29.8, Paul Lightfoot' (AATC).

3000 METER STEEPLECHASE

- | | | | |
|---------------------------|----------|-------------------------------|----------|
| 1. Jeromee Liebenberg, WM | 8:32.2 | 13. Vic Kelley, Quantico | 8:47.6n* |
| 2. Mike Manley, Ore TC | 8:37.6* | 14. Bill Norris, Oregon TC | 8:48.8n* |
| 3. Barry Brown, NYAC | 8:38.2* | 15. Ken Silvious, En Ky | 8:49.8n |
| 4. Sid Sink, B Green St | 8:40.2n* | 16. Terry Donnelly, Spts Intl | 8:50.2n* |
| 5. Todd Lathers, Oregon | 8:40.4n* | 17. Ron Pettigrew, Striders | 8:50.8n* |
| 6. Steve Savage, Oregon | 8:40.4* | 18. Mark Larson, Wisc | 8:51.0n |
| 7. C. Nightingale, MATC | 8:40.8 | John Mason, P Coast | 8:51.0n |
| 8. Cliff Clark, USAF | 8:41.0 | Ed Haver, UC Davis | 8:51.2* |
| Jim Johnson, Wash | 8:41.0n* | 21. Howie Ryan, NYAC | 8:52.0n |
| 10. Don Timm, Minn | 8:43.0n* | 22. Rick Gross, Illinois | 8:52.4 |
| 11. Bob Price, Ath in Act | 8:43.8n | 23. Dan Mullens, Humb St | 8:52.6 |
| 12. Kerry Pearce', unat | 8:44.6n* | 24. Graham Hutchison', WaSt | 8:53.0n* |

MARATHON

Ken Moore's 2:16:48.6 was his fourth race under the 2:20 barrier.

- | | | | |
|-----------------------------|-------------|----------------------------|-----------|
| 1. Ken Moore, Oregon TC | 2:16:48.6* | 13. Byron Lowry, SFOC | 2:22:33n |
| 2. Alvaro Mejia', WVTC | 2:17:22.2 | 14. Bill Clark, WVTC | 2:22:38 |
| 3. Frank Shorter, FlaTC | 2:17:44.6n* | 15. Skip Houk, H Sierra | 2:23:06n* |
| 4. Pat McMahon', BAA | 2:18:47.4 | 16. Art Coolidge, BAA | 2:23:23n |
| 5. Herb Lorenz, PennAC | 2:19:16.8n* | 17. Eddie Cadena, unat | 2:23:24* |
| 6. Scott Bringham, Utah | 2:20:18 | 18. Charlie Harris, WVTC | 2:23:24n |
| 7. John Vitale, N Hav TC | 2:20:25n* | 19. Tom Fleming, Ptsn St | 2:23:44.2 |
| 8. Bill Scobey, M R Run | 2:20:35n* | 20. Steve Dean, Sac St | 2:23:47.2 |
| 9. Bruce Mortenson, Roch | 2:21:09.8 | 21. Bill Speck, Providence | 2:23:54n |
| 10. Tom Robinson, Wa St | 2:22:00n | 22. Doug Schmenk, WestDC2 | 2:24:19n |
| 11. Jeff Galloway, Fla TC | 2:22:10n* | 23. Mike Kimball, Smtt AC2 | 2:24:43 |
| 12. Johan Halberstadt', una | 2:22:23n | 24. Chuck Walker, ArizHS | 2:25:16n |

WALKS

- | | | | |
|--------------------------|--------------|----------------------------|-------------|
| 20-kilometers: | | 50-kilometers: | |
| 1. Tom Dooley, Athens | 1:30:39.8tr | 1. Larry Young, MATC | 4:18:29.2* |
| 2. Goetz Klopfer, Athens | 1:32:38n* | 2. John Knifton, NYAC | 4:19:23.0n* |
| 3. Larry Young, Mid-Am | 1:33:34n*tr | 3. Gary Westerfield, F Mc4 | 4:21:05.0n* |
| 4. Ron Laird, NYAC | 1:34:26n* | 4. Goetz Klopfer, Athens4 | 4:21:31.0n* |
| 5. John Knifton, NYAC | 1:35:08n* | 5. Ron Kulik, NYAC | 4:28:29.0n* |
| 6. Floyd Godwin, ColoTC | 1:35:13n* | 6. Bob Kitchen, Athens | 4:30:17.0n* |
| 7. Ron Daniel, NYAC | 1:35:39.6ntr | 7. Bob Bowman, Strid | 4:37:11tr |
| 8. Bill Ranney, Athens | 1:36:12n* | 8. Ron Daniel, NYAC | 4:43:49.0n* |
| 9. Dave Romansky, DelTC1 | 1:36:56ntr | 9. Steve Geiver, unat | 4:47:30.0n* |
| 10. Ray Somers, Penn AC | 1:37:43ntr | 10. Todd Sculley, FtMac | 4:50:12.0n* |

120 YARD HIGH HURDLES

Sophomore Rodney Milburn has an impressive set of legal times this year to back up his windy 13.0 (the fastest ever) and 13.2 efforts--two 13.4s, four 13.5s, two 13.6s and four 13.7s.

1. Paul Gibson, El Paso	13.4	Pete Mattina, Tenn	13.7n
Rod Milburn, Sn U	13.4*	Godfrey Murray', Mich	13.7n
3. Willie Davenport, TxStd	13.5n*	Rick Tipton, Stan	13.7
Bill High, Tennessee	13.5*	Marcus Walker, Colo	13.7
Tom McMannon, N Dme	13.5	Jerry Wilson, Fresno CC	13.7*
Charles Rich, SW JC	13.5*	Rockie Woods, Tex A&M	13.7
Tommy White, Strid	13.5*	22. Mike Bates, Kans	13.8
8. Lance Babb, Sn Cal	13.6n*	Leon Coleman, unat	13.8
Ron Draper, N Car Cent	13.6n*	Ivory Harris, Oregon	13.8
Jeff Howser, Duke	13.6	Gordon Hodges, Texas	13.8*
Dick Taylor, NWN	13.6*	Larry Livers, Athens	13.8n*
Ron Washington, Tx Sn	13.6*	Roy Prince, Indiana St	13.8n
13. Jim Bolding, Okla St	13.7	Tom Ryall, Baptist Coll	13.8
George Carty, SJose St	13.7	Jimmy Upton, NE La	13.8
John McGuire, ACC	13.7		

Wind-aided: 13.0, *Rod Milburn (Sn U). 13.4, *nRon Draper (N Car Cent), *Bill High (Tenn). 13.5, n*Eren Gipson (S Houst St), n*Dick Taylor (NWN), Bill Tipton (En Mich), n*Rockie Woods (Tex A&M). 13.6, Louis Clark (Dickinson), *Gordon Hodges (Tex), Chuck Peters (Ky), n*Marcus Walker (Colo). 13.7, *Mike Bates (Kans), nJohn Morrison (Mich St), n*Greg Rodgers (Penn St), Jimmy Upton (NE La).

440 YARD INTERMEDIATE HURDLES

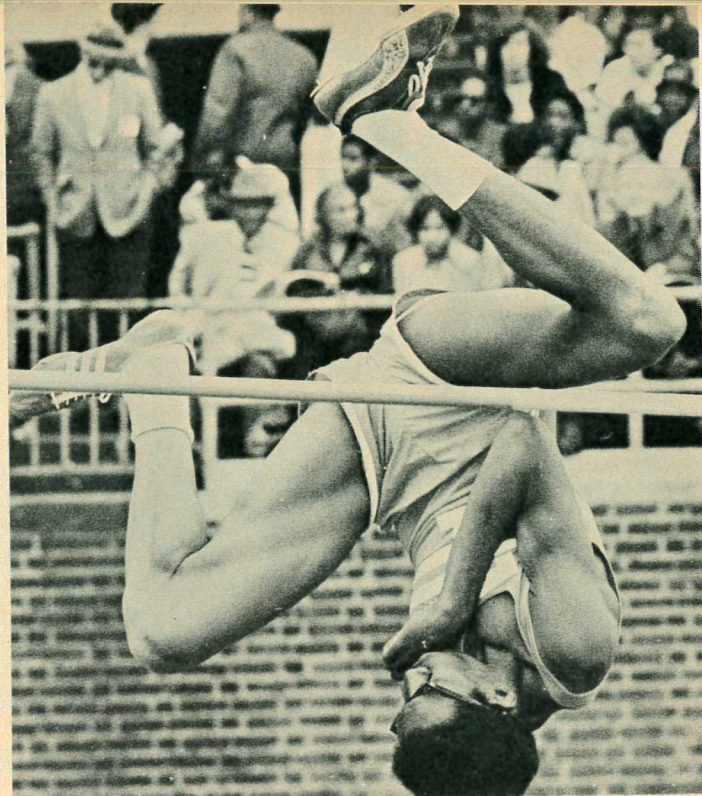
In April, Dick Bruggeman said, "Last season I peaked too early. This year I'm going to peak in June." So he dashed a PR 50.2 to capture the USTFF title... Ron Whitney turned in an impressive one-day double at the Cal Relays, adding a 1:49.0 half-mile to his 51.1 in the intermediates.

1. Wes Williams, SDTC	50.1*	Mark Koster, Illinois	50.9*
2. Dick Bruggeman, OhioTC	50.2*	Terry Musika, P Coast	50.9
Mike Cronholm, Rice	50.2	15. Bruce Collins, Penn	51.0*
Lee Evans, Stockton TC	50.2	Ron Rondeau, El Paso	51.0n*
Ralph Mann, BYU	50.2	Jim Seymour, Wash	51.0*
Ron Whitney, Strid	50.2n*	18. Bob Bornkessel, Kansas	51.1n*
7. Jim Bolding, Okla St	50.3n*	Jimmy Upton, NE La	51.1
Bob Steele, AATC	50.3*	20. Melvin Bassett, N Car Cnt	51.2*
9. T. C. Minor, P View	50.7n	Wayne Hartwick, Mich St	51.2*
Randy White, Stan	50.7	22. Mike Lee, Kans St	51.3n
11. Carl Wood, Richmond	50.8n*	Martin McGrady, Phil PC	51.3n*
12. Roger Johnson', P Cst	50.9n*	Dennis Ruby, L Beach St	51.3*

HIGH JUMP

Morgan State's Eric Howard is one of the smaller 7-footers in recent years at 5'10", 158-lbs.

1. John Dobroth, P Coast	7'2 ⁵ / ₈ "	Bill Elliott, P Coast	7'1"*
2. Rey Brown, CP/SLO	7'2"*	John Mann, Mich	7'1"*
Scott English, E Paso	7'2"	17. Joel Braggs, Wash HS	7'1 ¹ / ₄ "*
Tim Heikkila, Minn	7'2"*	Rick Fletcher, UCLA	7'1 ¹ / ₄ "*
Pat Matzdorf, Wisc	7'2"	Marty Hill, Ore	7'1 ¹ / ₄ "*
Gene White, Penn AC	7'2"	Larry Hollins, Sn Cal	7'1 ¹ / ₄ "*
7. Mike Bowers, AATC	7'1 ¹ / ₂ "	21. Gene Bygd, Mankato St	7'0"
Jerry Culp, S Diego St	7'1 ¹ / ₂ "	Waldon Curry, Delta St	7'0"*
Eric Howard, Morg St	7'1 ¹ / ₂ "	Joe David, Md	7'0"*
Ray Lisby, Mesa/A CC	7'1 ¹ / ₂ "	Chuck Duff, Fla	7'0"*
Dwight Stones, Cal HS	7'1 ¹ / ₂ "*	Dick Fosbury, Staters	7'0"
Tony Wilson, Tenn	7'1 ¹ / ₂ "*	Clarence Johnson, Athens	7'0"*
13. Lorenzo Allen, Ariz	7'1"*	Ron Jourdan, Fla TC	7'0"*
Mike Bernard, Sn Ill	7'1"	Rick Rogers, NWN	7'0"*



Tennessee's Tony Wilson alley-ooped over the bar at a PR 7'1¹/₂" height to claim the Southeast Conference high jump title. /Steve Murdock/

POLE VAULT

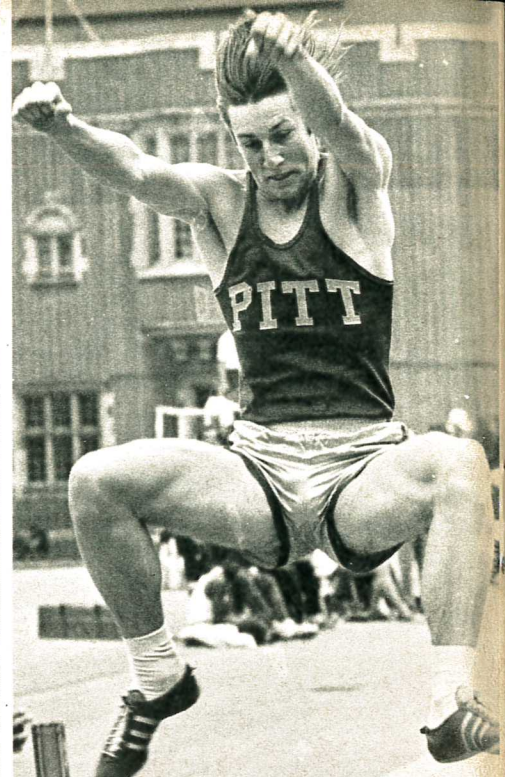
Dave Roberts' 17'5" clearance at Berkeley makes him the highest US left-handed vaulter ever... Francois Tracanelli feels, "European vaulters definitely are ahead of the Americans. We went ahead last year. It's a matter of superior coaching. When a vaulter rises above other vaulters in Europe, there is top coaching provided him. That is not true in the US; guys like Bob Seagren and Dick Railsback don't get any coaching once they are out of college. They really spend most of their time in practice goofing around." The Frenchman at UCLA says "a bunch of people will be over 18-feet" before Munich. "And the Olympic champ will have to go at least that high."

1. Dave Roberts, Rice	17'5"*	14. D. Bussabarger, Colo	16'9"
2. Kirk Bryde', Wash	17'4"*	15. Rick Olander, S Diego St	16'8 ³ / ₄ "
3. Jan Johnson, Ala TC	17'3 ¹ / ₄ "*	16. Gene Riley, unat	16'8 ¹ / ₄ "
4. Paul Heglar, El Paso	17'1"	17. Tom Blair, Penn	16'8"
Steve Smith, P Coast	17'1"*	Scott Cryder, Sn Cal	16'8"*
6. F. Tracanelli', UCLA	17'3 ¹ / ₄ "	Bob Pullard, Sn Cal	16'8"*
7. Ricky Parris, McMurry	17'2 ¹ / ₂ "	20. Scott Wallick, Miami/O	16'7 ³ / ₄ "*
8. Sam Caruthers, Cal TC	17'0"*	21. Tim St. Lawrence, Ala TC	16'7 ¹ / ₂ "
Tom Craig, Okla	17'0"	22. Charles Best, Denison	16'7"
Jack Ernst, Wash St	17'0"*	Casey Carrigan, Stan	16'7"
Dick Railsback, Strid	17'0"	Bob Richards, S Jose St	16'7"
Bob Seagren, Strid	17'0"	Phil Wertman, Iowa	16'7"
13. Mike Cotton, Fla	16'9 ¹ / ₂ "		



(Left) A notable distance double came from Penn State's Greg Fredericks at the IC4A. Here in the three-mile, he leads Manhattan freshman Mike Keogh and they finished in that order with 13:41.2 and 13:46.2. Just a day earlier, Fredericks claimed the six-mile in his initial race with 28:23.8 as Keogh placed fifth with 28:54.2. /Walley Brown/ (Right) Charging over the water barrier a step behind the leaders, Minnesota's Don Timm went on to win the Big 10 steeple title in 8:43.8, just eight-tenths off his best ever. Wisconsin's Mark Larson fell and did not finish but Indiana's Steve Kelley (c) ran second (8:55.8) and Jim Press (r) finished fifth (9:04.2). /Mike Davis, Bloomington Courier-Tribune/





(Left) Norm Tate, here with his hair done up in "corn rows", leads American horizontal jumpers with 27'¼" and 54'5", the long jump also pacing the world. /Albert Session/ (Center) John Craft bounded a windy 54'1½" to take the USTFF title and also has a le-

gal 53'5" this year. /Don Chadez/ (Right) Pittsburgh freshman Billy Rae popped a pair of surprising jumps at the IC4A meet. Here in the long jump he sailed 25'9½" for the win and his 49'9" nabbed second in the triple jump. /Albert Session/

LONG JUMP

James McAlister on his potential in the long jump: "Well, I think the coach has exaggerated a little. He says I'll be consistently jumping 27- or 28-feet. I can't see myself jumping that far. I have already reached my goal so I say what comes, comes." And his goal? "Twenty-six feet. In my senior year of high school, I jumped 26'1" but fouled. I said if I could get off a legitimate 26-footer I would be satisfied. So I got one off (plus an extra 6½") and I'm satisfied. Others think I should go further and reset my goals. But I think you should have only one goal in life. If you make it, you should be satisfied and not be greedy. So I'm satisfied."

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|-----------------------------------|-------------------------------------|
| 1. Norm Tate, NYPC 27'¼"* | 14. Doyle Steel L Beach St 25'7¾" |
| 2. Henry Hines, Sn Cal 26'8½" | 15. Gerald Woolfolk, Butler 25'7"* |
| 3. J. McAlister, UCLA 26'6½" | 16. Heulon Hewitt, Merced JC 25'6¾" |
| 4. A. Robinson, S Diego St 26'4¾" | 17. Tom Haynes, M Tenn St 25'6½" |
| 5. Danny Brabham, Baylor 26'2½" | 18. Ron Coleman, Ft Mac 25'6¼" |
| 6. Bouncy Moore, Ore 26'1½" | 19. Troy Lyons, Whittier 25'6" |
| 7. Henry Jackson, Ft Mac 25'10½" | 20. Stan Royster, Cal TC 25'5¾" |
| 8. Finn Bendixen, UCLA 25'10" | 21. Tom Chilton, Knox TC 25'5½" |
| Terry Metcalf, EVRTC 25'10" | Ron Humphrey, Tenn Tech 25'5½" |
| Josh Owusu', Angelo St 25'10" | 23. Randy Williams, Cal HS 25'4½" |
| 11. Ralph Boston, Knox TC 25'9½" | 24. Al Lanier, Cinc 25'4" |
| Bill Rea, Pitt 25'9½" | Lujack Lawrence, DBapt 25'4" |
| 13. Stan Whitley, Cal TC 25'9" | |
- Wind-aided:** 26'10¾", *Josh Owusu' (Angelo St). 26'8", Arnie Robinson (S Diego St). 26'7", Danny Brabham (Baylor). 26'6½", *Bouncy Moore (Ore). 26'6¼", Stan Whitley (Cal TC). 26'5", *Ralph Boston (Knox TC). 26'3¾", *Randy Williams (Cal HS). 26'2¾", Ron Coleman (Ft Mac). 25'11¾", *Pres-ton Carrington (Wichita St). 25'11¼", Henry Jackson (Ft Mac). 25'11", Tommy Haynes (Mid Tenn St). 25'10", Jerry Proctor (Redlands). 25'9¾", *Stan Royster (Cal TC). 25'9", Ron Humphrey (Tenn Tech). 25'8", Oscar Wallace (Odessa JC). 25'7½", *Heulon Hewitt (Merced JC). 25'7", Jim Fra-ser (Cal). 25'6¾", *Tony Brown (Cal HS). 25'6", Jim Barr (Ore), Ken Ford (Tex Tech). 25'5", *Al Lanier (Cinc). 25'4¾", Clarence Bates (NMJC), Jim Blaisdell (Ft Mac). 25'4¼", Phil Webb (Colo St).

TRIPLE JUMP

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|-----------------------------------|------------------------------------|
| 1. Mohinder Gill, CP/SLO 55'1¼" | 14. Barry McClure, MTenn St 52'1¼" |
| 2. Norm Tate, NYPC 54'5"* | 15. Henry Jackson, Sn Cal 51'8¾" |
| 3. Robert Reader, Ore St 53'10½" | 16. Stan Royster, Cal TC 51'8" |
| 4. Dave Smith, Cal TC 53'10" | 17. Al Lanier, Cinc 51'7¾" |
| 5. Milan Tiff, Cal TC 53'6½" | 18. Lincoln Jackson, Athens 51'5¾" |
| 6. John Craft, UCTC 53'4" | 19. Don Welsh, Utah 51'2" |
| 7. Jim Fraser, Cal 53'1¼" | 20. Harry Freeman, SJCC 51'1¾" |
| 8. James Butts, UCLA 52'10½" | 21. Tom Geredine, NE Mo 51'1½" |
| 9. Don Rencher, Phil PC 52'8" | 22. Don Miller, Sn Ill 51'¾" |
| 10. Denny Rogers, UCLA 52'6½" | Josh Owusu', Angelo St 51'¾" |
| 11. Henry Hines, Sn Cal 52'4¼" | 24. Bill McClellon, USAF 51'¾" |
| 12. Randy Williams, Cal HS 52'3½" | Wes Williams, SDTC 51'½" |
| 13. Dave Tucker, Cal HS 52'1¾" | |
- Wind-aided:** 54'2½", *James Butts (UCLA). 54'1½", *John Craft (UCTC). 53'11½", Dave Smith (Cal TC). 53'10", Milan Tiff (Cal TC). 52'8", Henry Hines (Sn Cal). 52'2½", Larry Vanley (El Paso). 52'1¾", Art Walker (Strid). 52'1", Wes Williams (SDTC). 52'¼", Chuck Steffes (NM). 51'8¾", Henry Jackson (Ft Mac). 51'3½", *Josh Owusu' (Angelo St), Randy Smith (Buffalo St). 51'3¼", *Tom Geredine (NE Mo).

SHOT PUT

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|------------------------------------|
| 1. Randy Matson, Tex Str 68'8" |
| 2. Al Feuerbach, P Coast 67'5¾" |
| 3. Karl Salb, Kans 66'10" |
| 4. Steve Wilhelm, Kans 66'3" |
| 5. Bruce Wilhelm, Ft Mac 65'9" |
| 6. Vince Monari, El Paso 65'1½" |
| 7. Richard Marks, Athens 65'¼" |
| 8. Jesse Stuart, Ky 64'9½" |
| 9. Jay Silvester, IntmtnTC 64'5" |
| 10. Fred DeBernardi, EP 64'3½" |
| 11. Sam Walker, SMU 63'3" |
| 12. Pete Shmock, Ore 63'2¾" |
| 13. Doug Lane, Sn Cal 63'2¼" |
| 14. Mark Ostoich, UCLA 62'10¾" |
| 15. Lahcen Samsam', Athens 62'9½" |
| 16. Spike Walker, Spok CC 62'1" |
| 17. Rolf Engels', BYU 61'10½" |
| 18. J. Van Reenen', Coug TC 61'5½" |
| 19. Anders Arrhenius', BYU 61'4½" |
| 20. Doug Knop, Manh AC 61'4¼" |
| 21. Don Tollefson, P Coast 61'1½" |
| 22. Ernie Hearon, Spts Intl 61'0" |
| 23. J. Birkelbach, El Paso 60'7½" |
| 24. Ed Kohler, Strid 60'6" |



Fred DeBernardi, only collegian over 200-feet in the discus (201'8"), has also armed the shot 64'3½", both PRs. /Wilkinson/

DISCUS THROW

The top four all got their marks at the wind-blessed Lancaster meet. Disregarding those marks, Jay Silvester and Tim Vollmer still would rank first and second, but with marks of 229'9½"--still a world best--and 211'7" respectively, while Mike Hoffman would rate equal 20th with 192'10" and Don Tollefson wouldn't even make the top 24 with 190'3" (he would be 27th).

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|-------------------------------------|-------------------------------------|
| 1. Jay Silvester, IntmtnTC 230'11" | Ernst Soudek', AATC 201'11" |
| 2. Tim Vollmer, Ft Mac 221'1" | 14. Doug Knop, Manh AC 201'10" |
| 3. Mike Hoffman, Ft Mac 216'0" | 15. Fred DeBernardi, E Paso 201'8" |
| 4. Don Tollefson, P Coast 213'0" | 16. John Bakkensen, Port TC 201'1" |
| 5. Gary Ordway, P Coast 208'5" | 17. Joe Antunovich', Sn Cal 198'10" |
| 6. Ed Kohler, Strid 207'9" | 18. Jon Cole, P Coast 197'9" |
| 7. John Powell, Athens 207'1" | 19. Mike Louisiana, BYU 195'1" |
| 8. Miles Lister, P Coast 206'0" | 20. Ain Roost', unat 192'10" |
| 9. Dave Weber, P Coast 205'2" | 21. Dave Harrington, unat 191'10" |
| 10. Bill Neville, Strid 203'5" | 22. Jim Penrose, Cal 191'4" |
| 11. J. Van Reenen', Coug TC 202'10" | 23. Craig Fair, Bkfld JC 191'2" |
| 12. Rich Drescher, S Intl 201'11" | 24. Vince Monari, El Paso 190'9" |

HAMMER THROW

- Tom Gage's career-best throw of 233'6" moves him into third on the all-time US list, only 3½" behind Hal Connolly and 11" ahead of George Frenn.
- | | |
|----------------------------------|------------------------------------|
| 1. Tom Gage, NYAC 233'6" | 8. Bob Narcessian, unat 207'5" |
| 2. George Frenn, P Coast 227'9" | 9. S. DeAutremont, Staters 204'11" |
| 3. Al Schoterman, Kent St 224'6" | 10. Wayne Pangburn, Strid 203'3" |
| 4. Hal Connolly, Strid 221'10" | 11. Bill Penny, Kans 202'1" |
| 5. J. Accambray', Kent St 217'0" | 12. Steve Furness, RI 201'5" |
| 6. Larry Hart, Ft Mac 213'0" | 13. Warren Converse, WM 200'5" |
| 7. Al Hall, unat 212'9" | 14. Bill Dinneen, Dartmouth 198'8" |

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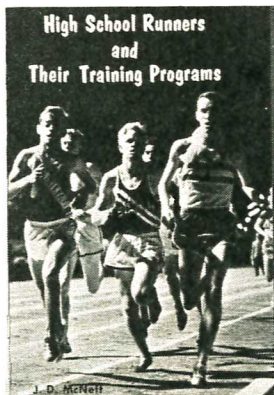
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(Left) BYU's Mike Louisiana is the third-longest collegiate discus thrower this year with his PR 195'1". /Don Wilkinson/ (Right) Kansan Sam Colson, who is 6'5" tall and weighs a hefty 265-lbs., won both the Big 8 and USTFF javelin titles and has a seasonal top of 255'3". /Wilkinson/

- | | |
|----------------------------|---------|
| 15. Tony Tenisci', Wash St | 198'7"* |
| 16. Bill Diehl, Army | 198'5" |
| 17. Frank Bredice, Sn Conn | 197'8" |
| 18. Dave Leitch', Ohio U | 195'4" |
| 19. Mike McDermott, NYU | 195'3"* |
| 20. Al Paliwoda, Conn | 194'4" |

JAVELIN THROW

- | | |
|------------------------------|---------|
| 1. Bill Skinner, NYAC | 277'2" |
| 2. Larry Stuart, Strid | 273'1" |
| 3. Mark Murro, Ariz St | 272'1" |
| 4. Cary Feldmann, Wash | 268'1"* |
| 5. Frank Covelli, P Coast | 267'4" |
| 6. Fred Luke, Husky SC | 267'2" |
| 7. John FitzSimons', P Coast | 264'7" |
| 8. Raimo Pihl', BYU | 264'1" |
| 9. Bill Schmidt, Ft Mac | 262'2" |
| 10. Jack Bacon, Md | 261'4" |
| 11. Ed Morland, Kans St | 260'0" |
| 12. Russ Francis, Ore HS | 259'9"* |

DECATHLON

- | | |
|----------------------------|-------|
| 1. Rick Wanamaker, unat | 7989* |
| 2. Russ Hodge, Strid | 7957* |
| 3. Jeff Bennett, Ft Mac | 7805* |
| 4. Steve Gough, Falcon TC | 7800* |
| 5. Tom Waddell, unat | 7629 |
| 6. George Pannell, West TC | 7607* |
| 7. Dave Thoreson, Strid | 7573 |
| 8. Bruce Jenner, Graceland | 7533* |
| Gary King, unat | 7533* |
| 10. Mike Hill, Mt SAC | 7515* |
| 11. Ron Evans, Conn | 7355 |
| 12. Bill Bakley, Westmont | 7352* |

440 YARD RELAY

- | | |
|--------------------------|--------|
| 1. Southern Cal | 39.2 |
| 2. Colorado Striders | 39.5* |
| Striders | 39.5n* |
| 4. Texas Southern | 39.6* |
| 5. Fort MacArthur UCLA | 39.7n* |
| UCLA | 39.7 |
| 7. Philadelphia Pioneers | 39.8n* |
| 8. Dallas Baptist | 39.9n* |
| Texas A&M | 39.9 |

ONE MILE RELAY

- | | |
|-----------------------|----------|
| 1. Pacific Coast Club | 3:04.6* |
| 2. Tennessee | 3:05.0* |
| 3. UCLA | 3:05.2* |
| 4. Texas Striders | 3:05.3n* |
| 5. Abilene Christian | 3:05.6 |
| 6. Rice | 3:06.0n* |
| 7. Nebraska | 3:06.2n |
| 8. Murray State | 3:06.3 |
| 9. Prairie View A&M | 3:06.7n* |

- | | |
|---------------------------|----------|
| 21. Doug Greenwood, Prin | 194'2" |
| 22. Keith Tice, Fresno St | 191'11"* |
| 23. George Lyons, NYAC | 190'10"* |
| 24. Ed Arcaro, Mass | 190'8"* |
| Ken Moss, Quantico | 190'8"* |

- | | |
|-----------------------------|----------|
| 13. Les Tipton, Port TC | 255'10"* |
| 14. George Stevens, NMJC | 255'5" |
| 15. Mac Wilkins, Ore | 255'4" |
| 16. Sam Colson, Kans | 255'3" |
| 17. Mike Metz, S Jose St | 254'10" |
| 18. Ben Laville', Strid | 252'11" |
| 19. Rich Dowswell', Ohio U | 252'6"* |
| 20. Bob Obee, Kans St | 251'4" |
| 21. Bob Winn, Ottawa | 250'9" |
| 22. Bob Wallis, Ft Mac | 250'5" |
| 23. Craig Harrison, Utah St | 250'1" |
| Mike Lyngstad, Ft Mac | 250'1" |

- | | |
|------------------------------|-------|
| 13. Norm Johnston, unat | 7298* |
| 14. Lynn Baker, unat | 7286 |
| 15. Gary Hill, Okla Chris | 7283* |
| 16. Barry King', Strid | 7266 |
| 17. Bob Keys, OCE | 7252* |
| 18. Andrew Pettes, Okla | 7211 |
| 19. Fred Samara, Penn | 7208 |
| 20. Andrei Sepci', unat | 7199 |
| 21. Jeff Bannister, Strid | 7174* |
| 22. Gordon Stewart', unat | 7115 |
| 23. David Johnston, B-dot TC | 7093* |
| 24. Dave Stephens, OCE | 7043* |

- | | |
|------------------|--------|
| 9. Southern U | 40.0 |
| 10. Alcorn A&M | 40.2n* |
| 11. Indiana | 40.2 |
| Long Beach State | 40.2n |
| 13. California | 40.3n* |
| Kansas State | 40.3n |
| Memphis TC | 40.3 |
| Oregon | 40.3n |

- | | |
|---------------------------|-----------|
| Texas | 3:06.7n* |
| 11. Philadelphia Pioneers | 3:06.9n |
| 12. Houston TC | 3:07.0n* |
| Kansas State | 3:07.0n |
| 14. Brigham Young | 3:07.2n |
| Southwestern Louisiana | 3:07.2n* |
| 16. Stockton TC | 3:07.4n* |
| 17. Adelphi | 3:07.5* |
| 18. Louisiana State | 3:07.9n □ |

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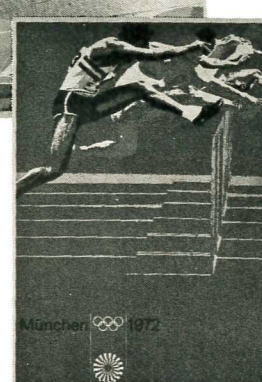
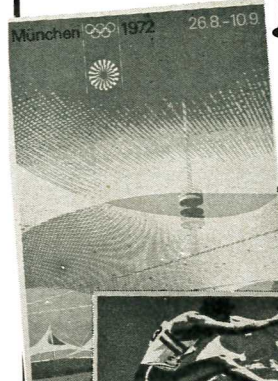


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(Information received through May 27)

Two European records and a rich 5000-meter race were the chief May features on this side of the Atlantic. Manfred Kokot of East Germany caused many eyebrows to be raised as he chopped half a second off his best 100-meter time with a 10-flat performance that equaled the continental record held by Armin Hary and four others. Ricky Bruch revised his own European discus record and came dangerously close to Jay Silvester's listed world mark with a throw measured at 68.32 (224'1 $\frac{1}{2}$ "). Finally, the eighth Zauli Memorial Meet in Rome offered a 5000-meter race in which a world record of sorts was established--that for the highest number of sub-14 minute performances in a single race: 13.

SPRINTS

Manfred Kokot was an unknown quantity until a few months ago. It could not be otherwise for a sprinter showing a 100-meter best of 10.5 in 1970. He first made the headlines in the recent indoor season as he equalled Bill Gaines' world best for 50-meters (5.4). He later placed third over 60-meters at the European Indoor Championships, after getting off to a bad start. Outdoors, he equaled his 100-meter best (10.5) at Leipzig on May 13. The explosion was registered two days later at Erfurt: competing in a sprint series against East Germany's best (except for Siegfried Schenke, who was not there), he won the first race in 10.3, then chalked up an unexpected 10.0 in the second race to win from Hermann Burde (10.3), a man who is on the books with times of 10.1 and 20.7. The wind-meter showed zero, and so Kokot is sure to join Hary, Roger Bambuck, Vladislav Sapeya, Valeriy Borzov and Gert Metz as holders of the European record. It should be noted that the East German is only the second European to turn in such a time on a synthetic track (after Metz, who did it on a hyper-fast surface at Burg Gretesch, West Germany, last year). Kokot wound up his day's work with a 21.3 for 200-meters, another personal best. The following day he returned to the track for another series, but felt a twinge in his heavily muscled leg after another 10.3, and decided to call it quits.

Marks of 10.2 for 100-meters were turned in by diminutive Andre Byrme, who like Bambuck lives in France but hails from Guadeloupe, Aleksandr Zhidkikh of the USSR, and Alexandru Munteanu and Tamas Szabo of Rumania. The last two thereby set a new Rumanian record. Valeriy Borzov scored two international wins over 100-meters, with 10.2 (Ostrava) and 10.4 (Turin). Best time for 200-meters so far is Borzov's 20.8.

The leading Polish one-lap specialists had an early season rehearsal over 500-yards at Warsaw early in May. Jan Werner came within four tenths of Lee Evans' recent 54.4 indoor record with a 54.8 which is believed to be the best time ever recorded in outdoor competition. Andrzej Badenski was runner-up in 55.0 and Jan Balachowski was third in 55.2. Later in the month, Werner ran 400-meters in 46.2. Britain's bright hope, Dave Jenkins, got off to a nice start with a 46.4 at Edinburgh.

MIDDLE DISTANCES

Thomas Saisi of Kenya led a nice pack of 800-meter runners at the Zauli Memorial (Rome, May 20) but was outprinted in the stretch by Antonio Fernandez Ortiz of Spain at 1:47.5 (one-tenth off the Spanish record) and Frank Murphy of Eire, 1:47.7, Saisi, the leader throughout (400-meters in 54.5) was third in 1:47.8. Other notable finishers: Dave Cropper of Great Britain, fourth (1:48.2), Stanislaw Waskiewicz of Poland, seventh (1:48.9).

East German distance men had a "speed test" at Leipzig late in May, and the result was surprising: 1. Jurgen Haase 3:39.1, 2. Frank Eisenberg 3:39.9, 3. Gert Eisenberg 3:40.5. Improvement vis-a-vis their previous bests was appalling: 2.7 Haase, 4.2 Frank E., 5.7 Gert E. The Eisenbergs are twins, and will be 28 in December.

In England, Walter Wilkinson ran the third fastest mile by a Briton as he whipped a crack field at Leicester in 3:56.6. Peter Stewart (3:57.4), Brendan Foster (3:58.8) and Norman Morrison (3:58.9) also ducked under 4:00 leaving Jim Douglas in fifth place at 4:00.1.

DISTANCES

Thirteen dipped under 14:00 in a 5000-meter race: this had never happened before. The Rome race, held in balmy weather in late afternoon, was dominated by a 22-year-old sales clerk from London, Dave Bedford (who ranked first in the 10,000 last year). Following an Italian hare in the early goings, he ate up the first lap in 61.8, which caused some concern among British newsmen present there. But he had enough left to uncork kilo times of 2:39.2, 2:40.2 (5:19.4), 2:43.6 (8:03.0), 2:42.4 (10:45.4) and 2:42.6. His final time, 13:28.0, bettered his previous best by 14.8 seconds. The only runner who managed to stay with him for long was Dane Korica of Yugoslavia, who was knocked down in the penultimate kilometer and then just saved second from the assault of young Lasse Viren of Finland. The startling result: 1. Bedford 13:28.0 PR; 2. Korica 13:35.2 PR; 3. Viren 13:35.2 NR; 4. Lajos Mecser, Hun 13:37.0; 5. Javier Alvarez, Sp 13:37.4 NR; 6. Francesco Arese, It 13:40.0 NR; 7. Gianni Del Buono, It 13:40.2 PR; 8. Giuseppe Ardizzone, It 13:44.2 PR; 9. Giuseppe Cindolo, It 13:45.4 PR; 10. Kazimierz Maranda, Pol 13:49.4 PR; 11. Umberto Risi, It 13:50.4 PR; 12. Roberto Gervasini, It 13:58.0 PR; 13. Pavel Penkava, Czech 13:58.2.

Naftali Temu of Kenya, still nursing an injury, was 15th and next-to-last in 14:34.6. The Italians, unable to follow Bedford's tantalizing pace, ran a race by themselves. In trying to outfox each other for the prize of the national record (which previously stood at 13:50.8), they bided their time in the fourth kilometer, then picked up the pace in the last (2:35.8) and Arese finally nosed out Del Buono at the end of a 58-second last lap. In Britain, Dave Black (who won't be 19 until October) won from a strong field at Lei-

cester in 13:46.2.

Another young Briton, Jack Lane, used a 58-second last lap to finish off his 28:24.4 10,000, reported in II May. Lane followed teammate Roger Matthews in the race (Warsaw, May 1) until the eighth kilometer then sped a fantastic 8:19.4 final 3000, including that 58-second final circuit. Fifth behind Lane, Arese, Mecser and Legowski was Rainer Leyh, EG 28:39.4, followed by Henryk Piotrowski, Pol 28:40.0, Matthews 28:40.6, Eckhard Lesse, EG 28:41.4, Edward Mleccko, Pol 28:44.2 and Hungarian veteran Janos Szerenyi 28:59.6.

HURDLES

A hitherto unconfirmed report credits Frank Siebeck of East Germany with a 13.4, allegedly made at Jena on May 30. Czech Lubomir Nadenicek can point to times of 13.6 (new national record) and 13.7. Gunther Nickel of West Germany and Alan Pascoe of Britain have clocked 13.7s in the highs, but it's rather Guy Drut of France who promises to move into Eddy Otzot's footsteps as European champ, judging from his string of 13.8/13.9 performances.

Vyacheslav Skomorokhov, the reigning European 400-meter hurdle champ, turned in a creditable 50.2 at Moscow, May 27, beating Yuriy Zorin (51.2), Roberto Frinolli (51.5) and European Junior champ Dmitriy Stukalov of the USSR (51.6).

JUMPS

Leaders in the high jump are Thomas Zacharias of West Germany and Endre Kelemen of Hungary, both with 7'1 $\frac{1}{2}$ ". Kestutis Sapka has been showing good all-around talent of late, with such marks as 24'4 $\frac{1}{2}$ " in the long jump and 48'6" in the triple jump. In his own speciality, he did 7'1" at Vilnius in mid-May.

No European has so far matched Kjell Isaksson's marks in the pole vault. The Swede himself did 17'4 $\frac{3}{4}$ " after his return home. Renato Dionisi of Italy and Robert Anders of West Germany both have 17'3 $\frac{3}{4}$ " marks to their credit. Best of the long jumpers is Andre Vix of France at 25'10 $\frac{3}{4}$ ", since Josef Schwarz' 26'2 $\frac{1}{4}$ " in Japan was found to be wind-assisted. Vaclav Fiser leads the triple jumpers with a new Czech record of 54'3 $\frac{1}{2}$ ". Giuseppe Gentile of Italy, third in the famous triple jump final at Mexico, offered Viktor Saneyev quite a battle at Turin, June 2, and finally lost (53'9 $\frac{3}{4}$ " to 54'2 $\frac{3}{4}$ "). Igor Ter Ovanesyan, who hopes to win at Helsinki (13 years after his first European title) did 25'11 $\frac{3}{4}$ " in the same meet.

THROWS

East German shotputters may have another great season. Hartmut Briesenick opened with 66'9 $\frac{1}{2}$ " at Berlin late in May. As well, Dieter Hoffmann, the European shot put champ of 1969, was sidelined with an injury for the greater part of the 70 season. He staged a fine comeback at Potsdam on May 13 with 66'5 $\frac{1}{4}$ ". Another over 66-feet is Poland's Wladyslaw Komar. The 31-year-old Pole created a new national record of 66'5 $\frac{3}{4}$ ". He had done 66'2 $\frac{3}{4}$ " two weeks earlier. Yet another Czech record fell as Jaroslav Brabec got one off to 64'8 $\frac{3}{4}$ ".

Ricky Bruch's discus starts this season make interesting reading (always at Malmo, unless otherwise noted): Apr. 16, 217'11"; Apr. 17, 230'0 $\frac{1}{2}$ " (discus $\frac{1}{2}$ -oz. underweight); Apr. 18, 219'2 $\frac{1}{2}$ "; Apr. 30, 208'5 $\frac{1}{2}$ " (Jerusalem); May 2, 198'5" (Tel-Aviv); May 8, 214'0 $\frac{1}{2}$ "; May 14, 218'7"; May 15, 224'1 $\frac{1}{2}$ " EurR; May 15, 208'11" (Halmstad); May 16, 203'1" (Karlstad); May 23, 221'1 $\frac{1}{2}$ ".

His average for the 11 meets is over 65-meters/213'3", exactly 213'4 $\frac{1}{2}$ ". However, most were exhibitions, substantially if not formally. And there is some doubt if the May 15 meet in Malmo was properly sanctioned.

This should be quite a season for discus throwers, judging from early marks: 208'1" Geza Fejer (Hun), 205'10" Risto Myyra, a new Finnish record, 203'9" Veljo Kuusemaa, best ever by an Estonian, a fine 212'8" for veteran Ludvik Danek, 201'7" for another veteran, East German Lothar Milde, and 206'3 $\frac{1}{2}$ " Guram Gudashvili for a new USSR record (true, he did 207'0" in 1968 but it was never ratified as a USSR record).

The hammer men are showing up well too, with nine over 70-meters (229'8") already. Latest are Reinhard Theimer (EG) 233'6 $\frac{1}{2}$ ", Walter Schmidt 232'1 $\frac{1}{2}$ ", Edwin Klein 230'11 $\frac{1}{2}$ ", both of West Germany, Mario Vecchiato (It) 231'7 $\frac{1}{2}$ ". Pole Stanislaw Lubiejewski upped his own Polish record to 228'1". Anatoly Bondarchuk, whose 247'7 $\frac{1}{2}$ " of 1969 still has to be ratified as a world record, reached 236'8" ahead of Vasily Khmyeylevskiy at 229'7" and Iosif Gamskiy (225'8"). The biggest leap, however, came from Valentin Dmitriyenko of the USSR with 224'0"--an improvement of 23'6" vis-a-vis his 1970 best! He is only 20.

Pauli Nevala has an injured shoulder and Jorma Kinnunen is not in top shape. But Finland has a great reservoir of javelin throwers: Hannu Siitonen, the 70 champ (the day that Pauli and Jorma "went on strike"), raised his best to 284'7" at Saari on May 12. The closest approach to this mark is reported from West Germany where Klaus Wolfermann hit 283'1" at Munich in late May. Hungarian veteran Gergely Kulcsar has reached 279'4". Major improvements were shown by Aleksandr Makarov of the USSR and Manuel Ibanes of France, 271'4" and 271'1 $\frac{1}{2}$ " respectively. Janis Lulis was defeated by a fellow Latvian, Janis Donins, 266'9 $\frac{1}{2}$ " to 267'7".

DECATHLON

Very fine results occurred at Nalchik, May 30 and 31, in a special USSR Cup competition for multiple events. Boris Ivanov, whose previous best was 7670, won with a new national record of 8237 points--fourth-highest performer in decathlon annals. His performances: 10.6, 24'1", 49'3 $\frac{1}{4}$ ", 6'7 $\frac{1}{4}$ ", 50.2, 14.1, 143'1", 14'1 $\frac{1}{4}$ ", 247'1 $\frac{1}{2}$ ", 4:50.0. Ivanov will be 24 in September. Place winners also had excellent marks: 2. Nikolay Avilov 8096; 3. Leonid Litvinyenko 8044; 4. Vladimir Ormanov 7955; 5. Viktor Chelnokov 7950; 6. Boris Tolmachov 7839. All six set personal bests, the fourth, fifth and sixth placers took the best ever for their respective places and Avilov's mark moves him to ninth on the all-time list.

Lennart Hedmark showed surprising early season form for a Swedish decathlon man as he won at Barcelona with 7913 points. Another notable score is a new Rumanian record of 7773 by 21-year-old Vasile Bogdan.

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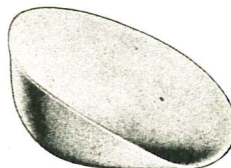
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LATE NEWS

Silvester Beats Bruch, Record in Swede's Backyard

Jay Silvester again topped his accepted world discus mark, hitting 229'9 $\frac{1}{2}$ "/70.04 in Ystad, Sweden June 10. But officials said the mark could not be approved because the meet was not advertised as an international competition, which is strange because nothing in the rules requires such advertising and many a world mark has been set in similar circumstances. Ricky Bruch threw 222'10" in second. Decathletes splurged with some fine totals: 8206 Joachim Kirst (including a decathlon record 7'8 $\frac{3}{4}$ " high jump), 7935 Hans-Joachim Walde and 7903 Peter Gabbett (a Commonwealth record, his second of the year). East German Hartmut Briesenick popped the shot 67'10 $\frac{3}{4}$ " for a continental record. Janis Lusis assumed the world javelin lead with 291'1 $\frac{1}{2}$ ". A planned assault on the 800-meter world record saw Franz-Josef Kemper's 1:46.3 top South Africans Dicky Broberg (1:46.4) and Danie Malan (1:46.5).



Unexpected world 400-meter hurdles leader is Uganda's John Akii-Bua, who clocked an African record 49.7 at Kampala, May 29. Fourth in the 70 Commonwealth, the 21-year-old policeman earlier won the Ha-poel Games in Israel at 50.2. /Ron Green/

JAPAN

Visiting Europeans Hot in Vault, Hammer

Visiting Europeans accounted for world class marks in early season Japanese meets. Kjell Isaksson of Sweden vaulted 5.40 (17'8 $\frac{1}{2}$ ") at Hiroshima on Apr. 25 and 5.42 (17'9 $\frac{1}{2}$ ") at Iwaki on May 4, both times improving on his own Swedish record. And on both occasions he failed in his attempts to set a new world record of 5.50 (18'1 $\frac{1}{2}$ "). Long jumper Josef Schwarz of West Germany had a wind assisted 26'2 $\frac{1}{4}$ " at Hiroshima.

The main news item in the Japanese camp was Shigenobu Murofushi's fine hammer throwing. He created a new national and Asian record in the Hiroshima meet as he threw 230'3", then improved to 230'11 $\frac{1}{2}$ " at Iwaki. Almost by the same time, Takeo Sugawara (fourth in the Mexico Olympics) was returning to competition after a two-year layoff: his best throw on comeback day was a good 215'1". Yukito Muraki had a wind assisted triple jump of 53'10". /from Isao Sugawara/

AFRICA

Ugandan Intermediate Hurdler Akii-Bua Goes 49.7

The peak of the African season is, of course, the match versus the United States in July at Durham, North Carolina. Many athletes hope to join the African team and, at this point of the year, marks are more numerous than in past seasons.

Several of the continent's top stars are schooling in the United States: Jean-Louis Ravelomanantsoa of Malagasy (9.3), Nii Addo Allotey (20.8) and George Daniels (9.2, 20.4w) from Ghana and jumper Josh Owusu (26'10 $\frac{3}{4}$ "w) also from Ghana. Daniels returned a legal 9.2 100-yard dash in the recent Ghana-Nigeria match for a new African record.

Elsewhere in the running events, the Kenyans pace the 400-meters with Julius Sang (46.7), Commonwealth 800 champion Robert Ouko (47.2) and Commonwealth 400 winner Charles Asati (47.2) and the 800 as well with Thomas Saisi (1:47.8). Kipchoge Keino has turned in a fast 3:40.5 1500-meters while countryman Philip Ndoo clocked 29:01.6 over 10,000-meters in Germany. A notable steeplechase of 8:56.0 came from Ethiopian Johannus Mohamed who ran this time at 7750-foot Addis Ababa. The 400-meter hurdles have revealed two new stars in John Akii-Bua of Uganda who set an African record of 49.7 at Kampala in late May, and Jean-Aime Randrianalijaona of Malagasy who clocked 50.7 in France.

Field event strength lies in the shot and discus. Nagui Asaad of Egypt, a 26-year-old physical education teacher from Cairo, has hit 64'4 $\frac{3}{4}$ " outdoors this year and 64'10" indoors. This product of East German schooling has a promising future and with Morocco's Lahcen Samsam (62'9 $\frac{1}{2}$ ") gives Africa strong shot putters. Leading discus thrower Namakoro Niare of Mali, who is studying in France, has reached 192'3" so far this year after 198'10 $\frac{1}{2}$ " last season. /Yves Pinaud/

SOUTH AFRICA

More Fast Times in Broberg-Malan Duels

The longest South African season to date came to an end with two more duels between Dicky Broberg and Danie Malan over 800-meters. The latter beat the national record holder at Stellenbosch, May 5, 1:45.3 to 1:45.9, but Broberg made it 3 to 1 at Cape Town three days later in a slow tactical race, 1:48.0 to 1:48.1. John Van Reenen, specially brought here from the US to compete in meets celebrating the 10th anniversary of the South African Republic, threw the discus 199'6" in the Cape Town meet.

March Fiasconaro wound up a busy season with a remarkable 46.1 for 400-meters after having been in bed with influenza until two days before the race. He turned up rather late for the meet, still the Cape Town affair, and was given a vest which was much too large for him. Three times during the race he had to pull up his shoulder strap.

The very day of his victory over Broberg at Stellenbosch, Danie Malan lost his South Africa 1500-meter record to DeVilliers Lamprecht, who turned in a time of 3:40.8 in the same meet. Leading performer in the Bantu Championships (Johannesburg, May 1 & 2) was Theo Moorosi, who won both metric sprints with 10.2 and 21.0, defeating Artwell Mandaza of Rhodesia at the shorter distance (10.4). /from Harry Beinart/ □

Women

by
Elio Trifari

Long jumping has more than once proved to be Chi Cheng's downfall. So it was again this year. After a slow start following an injury at the Asian Games last December, Chi twice clocked 10.4 for 100-yards, winning the Mt. SAC Relay with one. But an easy 20'4 $\frac{1}{2}$ " long jump in the end of May (Chi had not seriously jumped since the last Olympic season to avoid muscle injury) caused excess fatigue in Mrs. Reel's muscles and then an 880 relay leg caused another injury, which reopened the ancient dilemma: how much competition to undertake to stay fit for Munich?

In Europe, Renate Stecher-Meissner of East Germany claimed a share of the world seasonal lead with her 11.1 at Erfurt, matching the time of Australian star Raelene Boyle. The East German has run 23.4 over 200-meters, while comebacking Olympic champion Irene Szewinska of Poland has already reached 23.0. Quickest American sprinter is young Orien Brown with a windy 10.3 but Iris Davis has been consistent in the 10.4/10.5 range over 100 yards.

Over the full lap circuit, East Germany now may boast of four runners under 53.0 after the 52.7 by Ingelore Lohse at Erfurt. The French duo of Colette Besson and Nicole Duclos has started slowly, while Gwen Norman of the US won the US Pan-American Games trials at Quantico with a devastating 53.1 for meters after a 53.2 heat. Chi Cheng clocked 54.3 in early May, while world record holder Marilyn Neufville was satisfied with 54.7 at the Trinidad Games in early April.

The Zauli Memorial (Rome, May 20) produced a fine 800-meter race as Rumania's Ileana Silai was an easy winner in 2:02.8--global season-leader--over West Germany's Christa Merten (2:03.6) and Italy's Donata Govoni (2:04.7). Doris Brown won the Pan-Am trials from Terry Crawford, 2:05.5 to 2:05.8 over 800-meters; Crawford later triumphed at the King Games over 880-yards with 2:05.5.

Some sensational miling occurred in the US in early and mid-June. First, Francie Larriue battled with Francie Johnson at the Kennedy Games (Berkeley, June 5) before emerging victorious with an American record of 4:41.5 to Johnson's 4:42.5. A day later, Doris Brown regained the record she lost the previous day to Larriue with a 4:41.3 at Tacoma, Wash. Then, six days later at the Rose Festival meet in Portland, she clocked 4:39.6.

It has been over 10 years since lists of women's hurdles performances have not included the name of East Germany's Karin Balzer. The 33-year-old world record holder has had an impressive early start over the 100-meter barriers as indicated by the following marks: 13.1, 13.0 (Erfurt, May 15), 13.1w (Erfurt, May 16), 12.8 (Ostrava, May 23, just a tenth off her world record) and 13.0 (Erfurt, May 30). Balzer's 21-year-old teammate Anneliese Ehrhardt-Jahns has twice clocked 13.2, while pentathlete Margrit Herbst opened her best-ever pentathlon of 5268 with a fine 13.2. Pat Johnson's windy 13.3 leads the US.

China again makes track news with high jumper Wu Fu-shan, 28, who added $\frac{5}{8}$ " to her former best of 5'11" May 8 in Peking. Only East German Rita Schmidt at 6'0" has exceeded Wu's mark this season. Canadian flopper Debbie Brill has thrice topped 5'10" in the US, with a top of 5'10 $\frac{1}{4}$ " at Walnut (Apr. 24).

Long jump world record holder Heide Rosendahl of West Germany opened her season with 21'6 $\frac{3}{4}$ " and then hit 21'9 $\frac{1}{2}$ " during a mid-May pentathlon (5276). But Margrit Herbst sailed 22'1 $\frac{1}{2}$ " at Erfurt, just four inches off Rosendahl's world record. A 20-year-old Canadian, Brenda Eisler, leads the Western Hemisphere with her 21'4".

United States shot-putting got a shot upward as Lynn Graham hit 52-foot several times with a top of 52'8". Only "Mama" Earlene Brown has ever thrown farther among Americans. Pacing the discus is 30-year-old Olimpia Catarama of Rumania with 198'6". With young Argentina Menis improving (197'3" already after the 180-foot range last year) and Olympic champion Lia Manoliu still active, Rumania can field a strong trio to challenge the opposition of world record holder Liesel Westermann of West Germany (194'5" in mid-May), East Germany's Karin Illgen (198'3") and USSR ace Fayna Myelnik, twice at 196'4" in April.

Poland's Eva Gryzieck narrowly missed the world javelin record of the USSR's Yelena Gorchakova with her 203'9" (Warsaw, May 1), just 11-inches shy of the global mark. Eva was followed closely by teammate Daniela Jaworska (200'8"). Austrian Eva Janko, third at Mexico, came back from maternity and improved to 198'3". Roberta Brown, at 186'4", paces US spear-throwers. □



Includes Marks Received Through June 9

The national javelin and hammer records fell for the second time this season and the 220 record was equaled. Alvin Jackson (Classical, Providence RI) hit an unbelievable 219'9" to win his state title in Providence (May 22) to better his own record by 9'3". That same day at the Michigan state meet in East Lansing, Marshall Dill (Northern, Detroit) equaled the 220 turn mark of 20.6 first set by Clyde Glosson in 1965 and matched by Gerald Tinker in 1969. Dill also won the 100 in 9.6 after running an easy 21.2 in the prelims. Five days later (May 27, Russ Francis (Pleasant Hill, Ore) proved his come-from-nowhere 253'1" was no fluke by flinging the javelin 254'11" in his district meet. Francis had qualified the previous day with tosses of 251'5" and 251'8". Scotch Plains-Fanwood of Scotch Plains, N.J. came tantalizingly close to the distance medley record of 10:05.6 with their 10:06.0 at the Rutgers Relays. Vince Cartier ran 4:14.8.

SPRINTS

In the Ohio state meet, junior Bob Lawson (Libbey, Toledo) was a double winner in the 3A division in 9.6 and 21.6 after a swift 21.0 prelim time. In the 2A meet, Eric Penick (Gilmour Academy, Cleveland) was a triple winner in 9.7, 21.7 (21.5 prelim) and 48.6. Soph Mike Shavers (Albany, Calif) equaled the age (16) and class marks with his 9.5 100 and also ran a windy 21.3 in topping Vince Brown of Pittsburg at 9.5 and 21.4. Rickey Eaton (Adams, Portland, Ore), Pat Gullett of Mann in Gary, Ind. and Ron Taylor (Scott, Toledo, Ohio) are the latest at 21.3. A late report credits Bill O'Connell (Gates-Chili, Rochester, NY) with a blistering 20.8.

Sub-48 quarter-mile clockings are becoming common. The Ohio champ was Winslow Taylor (East, Akron) at 47.5 after a 47.8 district clocking. The best race outside the California state race was in a sectional where state winner (and a 24'1" long jumper) Tony Krzyzosiak (Garden Grove) won in 47.7 ahead of juniors Ray Johnson of Blair in Pasadena (47.7) and Robert Harrell of Santa Ana (47.8).

DISTANCES

Besides those great two-mile races in the California and Illinois state meets, the California Southern section race was also swift. Gordon Innes of Upland held off a frantic closing rush by Marc Genet (Santa Ana), 9:00.0 to 9:00.6, while third went to soph Terry Williams of Lompoc (9:01.2) and fourth to Tom Koppes of St. John Bosco, Bellflower (9:02.4). The first senior to finish was Scott Schweitzer of Burbank in 9:04.4 while Emerson Davis of Pasadena ran 9:05.0. State champ Dale Fleet (Clairemont, San Diego) was an easy section winner in 9:03.0. Charles Duggan of Public in Hartford, Conn. lowered his best to 9:06.4. In that Calif. meet, Paul Cummings (Righetti, Santa Maria) won the mile in 4:11.8 from the 4:12.9s for juniors Charles Harris (South, Torrance) and Harold Marshall (Redondo, Redondo Beach). Other fine individual efforts have been 4:10.7 for Mike Gahagan (Edgewood, Madison, Wisc), a 4:11.1 district win for Mark Feig (South Eugene, Eugene, Ore) and 4:12.0 for Paul Geis of St. Johns in Houston. In the half-mile, a Dale Fleet (Clairemont, San Diego) cruised a 61.2 final lap to finish off his 8:53.8 Cal state two-mile win. /Don Chadez/

Tony Krzyzosiak emerged victorious in a nation-leading 46.7 to win the torrid California state 440. /Don Chadez/



Glendale's Dwight Stones became the second-highest prep high jumper in history with his 7'1½" flop clearance to win the California state title. /Don Chadez/

top duel found Mike Tyrrell (Saratoga, Calif) nipping Randy Carlson (Westmont, Campbell) as both ran 1:52.2. Bob Smith of Simsbury, Conn. dropped his best down to 1:52.4.

HURDLES

A hot battle in the highs transpired at the Atlanta Classic, with Charles Foster (Gaffney, SC) blazing a legal 13.5 to top the 13.6 of Henry Orum (Lee, Montgomery, Ala). Jeff Parks (Roosevelt, Dayton, Ohio) won the Ohio title in 13.9 after his third 13.8 of season in the prelims. It was a fast race, as second and third were Alex DeMarzio (McKinley, Canton) and junior Mark Burke (Marietta), both in 13.9, with Larry Poole (Garfield, Akron) at 14.0 after a 13.9 heat. Hillside of Durham, North Carolina has a fine pair of juniors in Eddie (13.9) and Charles (19.1t) Romes. Arizona champ was Derral Davis (Tucson) in 18.6 over Nathan Tyler of Casa Grande (18.7) while Pennsylvania champ was junior Pierre Ritter (York) in 18.8. Top soph is Scott Skillman of Campbell, Calif. in 18.9. A late report gives a 13.7 (nwi) to Paul Ricciardi (Kennedy, Iselin, NJ). In only his third try at the event, Jimmy Gailey (Clear Creek, League City, Tex) ran 52.5 for the 440 hurdles.

JUMPS

Good jumpers have popped up everywhere. Alabama champ at 6'9¾" was Donald Hobson (Western, Birmingham) and Illinois champ Bill Hancock (Illini Bluffs, Glasford) had a previous 6'9¼". State champs at 6'9" were Norm Biar of Jefferson in Denver, Colo. and Tim Rowe of Reno, Nev. In the vault, Roger Martin (Camden, San Jose, Calif) recorded his second 15'6" and Indiana's best was Dan Ridlen of Haworth in Kokomo at 15'2¾". Michael White (Dominguez, Compton, Calif) and Rich Mooers (Valencia, Placentia, Calif) both went 15'2" in their section meet. In all, 19 prep are over 15-feet. Tony Brown (Poly, Long Beach, Calif) became the third prep to surpass 25-feet (25'1½") this season; in Alabama, Greer Radcliff (University Military, Mobile) jumped 24'5½". In a post-script to that great triple jump duel between Randy Williams (Edison, Fresno) and Dave Tucker (San Joaquin Memorial, Fresno) won by Williams in 52'3½", the next week Tucker easily won the section title, 51'2½" to 49'10½". Tucker also did a legal 51'2¾" at the Kennedy Games. Two improvers have been Craig Conway (Cupertino, Calif) to 49'5" and Chris Zanca (Carey, Franklin Square, NY) to 49'2¼".

THROWS

Though Greg Cortina (Hun, Princeton, NJ) lost his national lead when Mark Stevens did 67'2¼" in the California state meet, Greg has still thrown the farthest this season, for the same day (June 5) he hit 68'2¾" in an exhibition in Bristol, Pa. with all his throws past 67-feet. Marshall Smith (Cheyenne Mountain, Colorado Springs, Colo) improved to 186'5" as did junior Scott Overton of Los Altos, Calif. to 184'9". Hammer reporting is again less than satisfactory this year, but it is known Al Jackson's teammate named Bartlett went 206'5" the same day Jackson set the record. Len Rao (LaSalle Academy, Providence) has improved to 191'2" and 62'1" in the shot while Andrew Bessette (Cumberland, RI) is up to 188'8". The javelin results from the Oregon state meet were superb. National record-holder Russ Francis (Pleasant Hill) captured the AA title with a 250'9" toss, topping the 235'3" and 234'3" tosses of Bob Daniel (Neah-Kah-Nie) and junior Rod Ewaliko (Gervais). In the AAA division, John Baardson (Beaverton) vastly improved on his previous best of 227'0" to capture the title with a 244'0" heave. Runner-up Jeff Carter (South Eugene) hit 236'2". Oregon seems to have most of the javelin men this year, as Wayne Ritchie (Medford) and Don Cliver (Central Linn, Halsey) hit 226'8" and 223'8" prior to the state meet. The best for Craig Stiles (Malta, Mont) is still his early season 221'0", as the only recent report for him was of a 209'6".

RELAYS

Most short race action has come in the 880 event. Northern of Detroit, Mich. improved a tenth to 1:27.0 while Snyder of Jersey City, N.J. nipped Rahway, N.J., 1:27.0 to 1:27.2, recently as soph Dave Law produced a 20.8 anchor. In mile relay action, Huntington of Newport News, Va. zipped to a 3:16.1 in a regional meet while Manual of Denver, Colo. won the state title in 3:16.2. Only other long race news was a fine 17:52.2 for Se-wanhaka of Floral Park, N.Y.

ILLINOIS

Merrick Turns in Greatest 4:07.4, 8:49.0 Double

Champaign, Ill., May 28-29 /by Jack Shepard/--David Merrick of Lincoln-Way in New Lenox climaxed three years of brilliant high school running in Illinois with one of the great all-time prep distance doubles as he won state titles in the mile (4:07.4) and two-mile (8:49.0). Both are currently best in the nation.

The two-mile came first, and Merrick was pushed through a 4:24 first mile by sensational sophomore Craig Virgin of Lebanon, but Craig couldn't hold the sustained pace and finished well back in 8:57.4, the first time a soph (he's only 15) ever dipped under nine minutes. Don Ellis of Glenbard West in Glen Ellyn ran an even 9:00.0 while team champ Evanston grabbed the next two spots with Don Franklin (9:02.2) and Ron Fick (9:06.8).

Sixty-five minutes later Merrick was back for the mile in which he had run 4:10.0 in qualifying the day before. Challenged by Mike Durkin of Holy Cross in River Grove, Merrick showed his true grit to the 15,500 fans with a 58.9 last lap and that 4:07.4. Durkin's 4:08.3 ranks second nationally. Dave Berg of Decatur was third in 4:11.3. Again Evanston was fourth and fifth, as Dave Ingraham ran 4:13.2 and Larry Bates 4:14.4.

Junior Howard Jones of Evanston was a double sprint winner in 9.6 and 21.3 after a 21.1 in the prelims. Gayle Murphy of Alton had run an 18.9 in the lows (turn) in a semi-final race and was on his way to another fast time in the final when he clobbered a hurdle and barely remained upright to win in 19.4. Freshman Charles White (Thornton, Harvey) blasted his own 1:56.0 class record with a 1:54.9.

KLEIN SOUTHWEST

Lightfoot Gets Slice of 13.4 Hurdle Mark

Houston, Tex., June 4-5 /from Fred Duckett/--The newest of the big post-season prep meets, the Klein Southwest Festival, debuted with an auspicious sendoff as Randy Lightfoot (Plainview, Tex), equaled Bill Tipton's national high school record of 13.4 in the high hurdles. The meet featured athletes from high schools in Texas, Oklahoma, New Mexico, Arkansas and Louisiana.

Lightfoot's time, aided by a slight but legal breeze, also gives him a piece of the senior class record, adding to the junior and sophomore marks he already holds. Lightfoot caught quick-starting Scottie Jones (Elmore, Houston, Tex) at the seventh hurdle and slid by to win by a tenth. Jones' 13.5 has been equaled or bettered by only four others in prep annals and is the best-ever nonwinning mark by a high schooler. Jimmy Gailey (Clear Creek, League City, Tex) clocked 13.9 for third here and also captured the 330 intermediates at 37.4, his seasonal best.

Lightfoot's teammate, Zoe Simpson, who missed most of the 1971 season with a pulled hamstring, surprised by capturing both sprints, running legal times of 9.6 and 22.0.

The meet's first day was highlighted by a pair of good field event performances. In the high jump, Rick Slifer (Duncan, Okla) topped 6'10" without a miss, adding 1 $\frac{1}{2}$ " to his previous best. Randy Coffman (Humble, Tex) also raised his PR significantly, from 61'1 $\frac{1}{2}$ " to a winning 63'9 $\frac{3}{4}$ ".

CALIFORNIA

Incredible: 7'11-2"; Ninth 47.5; Fourth 8:57.2

Westwood, Calif., June 4-5 /by Jack Shepard/--California's 53rd state meet proved to be one of the greatest state meets in prep history as six state records and five national leaders were established.

In a meet where nearly every event clamored for special attention it was the final event to be completed, the high jump, which provided the 10,500 fans with a fitting climax. Dwight Stones of Glendale, who had equaled the state meet high jump record of 7'4 $\frac{1}{2}$ " on Friday, left the competition at 6'9" as he cleared 6'10", 7'3 $\frac{1}{2}$ " on his second attempt and then 7'1 $\frac{1}{2}$ " on his first try, before finally missing at 7'2 $\frac{1}{4}$ ". That clearance is second only to the 7'3" prep record of Reynaldo Brown.

The two-mile was a thriller. Dale Fleet (Clairemont, San Diego), who had run with a tight pack of seven through a 4:26.5 first mile, used an easy appearing 61.2 final lap for an 8:53.8 meet record ahead of Gordon Innes (8:54.4) who had tried to steal the race by sprinting hard with 300 yards to go. Fleet's time is the fifth best ever by a prep while Innes took the junior class record from David Merrick. Innes just did outlean Jose Amaya (Wilson, Los Angeles), who also ran 8:54.4, as Tom Hale (Campolindo, Moraga) was also well under nine minutes at 8:57.2 and Ed Mendoza (Helix, LaMesa) just missed at 9:00.8.

The most fantastic race from top to bottom was the quarter-mile where every non-winning time was the fastest ever in prep competition for its respective place with last place (ninth) a scintillating 47.5. Joe DeDora (Santa Rosa) set up the race with a blistering 21.7 first 220, and off the final turn it appeared smooth striding junior Ray Johnson (Blair, Pasadena) would be the winner. However, with just sixty yards left, Tony Krzyzosiak (Garden Grove) exploded from fifth place for a 46.7 win, just a tenth off the meet record. Johnson clocked 46.8 and Frank Berry (Washington, Los Angeles) ran 47.1. Benny Brown (Sunnyvale), who had run 47.2 in the prelims was only sixth in 47.3, as this one race produced nine of the nation's top 13 prep times for the season.

Charles Jackson of Lompoc took home the team title with 13 points as he won both hurdles and placed fifth in the long jump. Hamilton of Los Angeles was second with 11 points, and had tentatively been declared the meet winner with 13 points until a review of the photos in the 100 and low hurdles reversed the standings. Jackson easily won the highs with a windy 13.6 after setting a meet record 13.6 in the prelims, but the big surprise here was the fast finish for Tony Ghazlo (Locke, Los Angeles) who took second in 13.7, a full half second under his previous best of 14.2, mostly run on poor tracks. McKinley Mosley of Bakersfield was third in 13.8. In the lows, Mosley was originally declared the winner over Jackson as both were timed in 18.5, but

the photo indicated Jackson just did outlean Mosley for the win. Mosley's legal 18.5 on Friday is fastest in the nation to date.

In the 100, Hamilton's George Reddick got a flyer which was not recalled and which he won in 9.6 over the 9.7 for Chuck Bommarito (Crestmoor, San Bruno). After much protest, the race was rerun 20 minutes later and, though obviously irate at having to run again, Reddick proved himself with another 9.6 win and Bommarito was again second (9.6), though the following places changed drastically.

The shot put produced personal bests for the first five finishers. Mark Stevens (Newport Harbor, Newport Beach) improved over three-feet with a state record 67'2 $\frac{3}{4}$ " while teammate Terry Albritton, just a 16-year-old junior, topped Sam Walker's age record twice--64'8 $\frac{3}{4}$ " in the prelims and 65'5" in the finals. The long jump was a great match between Randy Williams (Edison, Fresno) and Tony Brown (Poly, Long Beach). Williams, who led the qualifiers at 25'3", opened the finals with a 24'10", but then fell behind when Brown went 25'6 $\frac{3}{4}$ " with a wind. Randy then convincingly settled the issue with the second longest jump of any kind in prep history--a windy 26'3 $\frac{3}{4}$ ".

The only repeat winner was Brent Tubb (Cleveland, Reseda) in the mile as he won easily in 4:09.6 over the 4:10.8 for Paul Cummings (Righetti, Santa Maria). Cummings, who had run a 57.2 last lap for a 4:10.7 prelim time, and Tubb both let Dave Harper (Clairemont, San Diego) do most of the work through a 3:11.4 1320. When Cummings tried to move away from the others down the back straight, Tubb easily moved past him and away for the win. Randy Carlson (Westmont, Campbell) led the half-mile through a 54.6 quarter, holding on until 120 yards to go, when Percell Keeling (Morningside, Inglewood) pulled a large pack past him. Keeling won a convincing but narrow 1:51.8 to 1:52.0 victory over junior Dale Scott (El Cerrito) as Carlson finished eighth in an amazing 1:52.7.

The final mile relay produced the nation's second and fourth best times as Castlemont of Oakland used a fine 47.1 anchor by Adrian Rodgers to win in 3:13.2 ahead of West of Bakersfield which ran 3:14.9 off consistent splits.

Other highlights: 220(windy), Bommarito 21.2; 2. Thomas (Hamilton, Los Angeles) 21.3; 3. Shavers (Albany) 21.3. Heats: I(windy)-1. Thomas 21.1. II(windy)-1. Shavers 21.3. 440, 4. Harrell (Santa Ana) 47.2; 5. Jones (Lemoore) 47.3;... 7. DeDora 47.3; 8. Tyler (Lincoln, San Diego) 47.3; 9. Brown (Gardena) 47.5. 880, 3. Nelms (Crenshaw, Los Angeles) 1:52.2; 4. See (Del Valle, Walnut Creek) 1:52.2; 5. Heinzen (Glendora) 1:52.3; 6. Rose (Corona Del Mar, Newport Beach) 1:52.7; 7. Hyatt (Placer, Auburn) 1:52.7. Mile, 3. Marshall (Redondo, Redondo Beach) 4:11.6; 4. Harper 4:12.3; 5. Nicholas (Reedley) 4:13.3. 2Mile, 6. Schmulewicz (Lincoln, San Francisco) 9:03.6; 7. Williams (Lompoc) 9:06.2; 8. Genet (Santa Ana) 9:07.2. 180LH st, 3. Alexander (Hoover, Fresno) 18.6; 4. Myers (Piedmont) 18.6; 5. tie, Gordinier (Glendora) & Hamilton (Richmond) 18.7; 7. Skillman (Campbell) 18.8.

HJ, 2. Elders (Fresno) 6'9"; 3. Kotinek (Millikan, Long Beach) 6'9"; 4. Miller (Pleasant Hill) 6'9". PV, Quinn (Monroe, Sepulveda) 15'2"; 2. White (Dominguez, Compton) 15'2"; 3. Martin (Camden, San Jose) 14'10". LJ, 3. Krzyzosiak 23'11 $\frac{3}{4}$ " nwi. SP, 3. Cross (Crespi, Encino) 62'9 $\frac{1}{2}$ "; 4. Mannon (Los Gatos) 61'9 $\frac{1}{4}$ "; 5. David (Camarillo) 61'4 $\frac{1}{2}$ ". DT, Otto (Porterville) 184'9"; 2. Overton (Los Altos) 182'0". 440R, El Cerrito 41.1; 2. Fremont, Los Angeles 41.3; 3. Crenshaw, Los Angeles 41.4. Heats: III-1. Hamilton, Los Angeles 41.2. MileR, 3. Dominguez, Compton 3:15.2; 4. Morningside, Inglewood 3:16.4. Teams: Lompoc 13; 2. Hamilton, Los Angeles 11; 3. tie, Crestmoor, San Bruno, El Cerrito & Newport Harbor 10.

ALL-AMERICAN

Another Record 13.4 Matcher for Lightfoot

Lombard, Ill., June 12 /from Merl Hamack/--Texan Randy Lightfoot was voted the outstanding performer of the All-American Invitational High School Championships, his second matching of the prep high hurdles record no doubt aiding his selection from a bevy of highly-competitive, quality performances in virtually every event.

Lightfoot, Plainview, Texas' gift to the prep record books, zipped his second 13.4 this year to match the prep standard and nose out all-around talent Jeff Parks (Roosevelt, Dayton, Ohio), who finished a tenth back in second. Lightfoot assumed command of the race at the first 39-inch barrier and was never headed. He later placed second in the 330 hurdles with 38.2 following the 37.6 of Tim Kight (Worthington, Ohio).

The standouts in other events were numerous. Marshall Dill (Northern, Detroit) powered to easy 9.4 and 20.8 sprint wins, the furlong mark into the wind. Californian Brent Tubb (Cleveland, Reseda) chopped 1.8-seconds from his personal 880 best, and seasonal prep lead, with a fine 1:50.1. Shotputter Greg Cortina (Hun, Princeton, NJ), who reportedly popped the ball past 68-feet repeatedly in mid-week practices, hit 67'1 $\frac{3}{4}$ " for victory, a bare half-inch off the nation-leading mark of Mark Stevens (Newport Harbor, Newport Beach, Calif), third here with 63'3" behind the 66'3 $\frac{3}{4}$ " of Ron Gatheright (Mt Clemens, Mich). In the triple jump, Dale Krebs (Gunn, Palo Alto, Calif) reached a legal personal best of 49'4 $\frac{1}{4}$ " on his first jump and that held up under repeated assault. Keith Witherspoon (Huntington, Newport News, Va) rode the wind to 49'4" while Henry Orum (Lee, Mobile, Ala) also got an illegal boost to reach 49'2 $\frac{1}{2}$ " in third--and both got their marks on their final leaps.

Dave Merrick (Lincoln-Way, New Lenox, Ill) confined himself to the two-mile and registered 8:59.0 to outkick the 9:00.4 of Tom Hale (Campolindo, Moraga, Calif). Mike Durkin (Holy Cross, River Grove, Ill) thus emerged from Merrick's shadow and won the mile with 4:09.4. Frank Berry (Washington, Los Angeles) took the 440 with 47.4, nipping Cal state winner Tony Krzyzosiak (Garden Grove) by a tenth. Cal high jump champ Dwight Stones (Glendale) scaled 6'9 $\frac{1}{4}$ " here to win from a group at 6'8", while David Powdrell (Highland, Albuquerque, NM) long jumped 24'4" with the wind for the victory. Vault winner Roger Martin (Camden, San Jose, Calif) 15'4 $\frac{1}{4}$ ", disc venter Jim McGoldrick (Orofino, Id) 187'1" and javelin champ Craig Stiles (Malta, Mont) 231'0" all scored convincing wins over still good second places of 15'1 $\frac{1}{2}$ ", 182'4" and 213'6". □

Betchadidntknow that Cal coach and US head mentor vs. the USSR and World All-Stars wears a Dudley Do-Right wrist watch... As of June 10, there were only eight collegiate decathletes who had managed the NCAA's tough qualifying standard of 7000 points to gain entry into the title competition... Even track and field is getting into the ecology trip. The California Relays program carried a note on its cover that it was a "100% recycled book"... Jumpin jehosaphat, there are three Ron Colemans in the US jump lists this year: a 6'10 $\frac{1}{4}$ " high jumper from Westmont, a 26'2 $\frac{1}{4}$ " w long jumper affiliated with Ft. MacArthur and a 50'5 $\frac{1}{4}$ " triple leaper attached to Florida... In California and Oregon at least, one can pay a surcharge to have a combination of letters spell something on license plates. Two have come to our attention: JOGGER and GO PRE... Ivy League rules still do not permit freshmen to compete in the NCAA championships... Howard Payne expects to come across the Atlantic to compete in the US Masters hammer throw competition this month... Commenting on the plight many weightmen are finding themselves in these days in competing outside the main stadium because of synthetic infield surfacing, Southern Cal discus thrower Joe Antunovich said, "I feel the discus should be part of the track meet. It's tough to get mentally up when only 10 people are watching you"... Would you believe Harold Connolly will be 40 on Aug. 1, yet is talking of trying for the US Olympic team next year if he can regain his form that brought him 230-feet... Reflecting on the tremendous publicity which surrounded the King Games' mile run, Marty Liquori observed, "I'm just glad that Jim (Ryun) and I have been able to generate as much enthusiasm as we have in this race. Track is truly an exciting sport but we just don't get the ink we should. Maybe now some people will begin to take notice"... This sentence extracted from the Modesto Bee's coverage of the California Relays carried only four errors: "Foreign athletes dominated the two-mile run as Arnie Kualheimarne, a Swede attending Oregon State University, won in 8:30.2"... The NCAA is proposing to list all times--save in the cases of records--in hundredths when actually recorded to that extent... Earl "Tommie" Thomson, 1920 Olympic high hurdles champion, died recently at the age of 76. He was the first athlete to break 15-seconds in the highs with his 1920 mark of 14.8, which stood as the world mark until 1928... Houston will join the Southwest Conference in 1973-74.

Knut Kvalheim might be the biggest sub-four-minute miler. He's 6'3", 175-lbs... Track fan Marvin Porten has compiled a list of world records established over the years in the US, and has determined that California leads all states with 214 (Pennsylvania is next with 27, Illinois and New York follow at 12, with surprising Massachusetts fifth with 11, and Texas at 10) and Los Angeles heads all cities at 66 (Fresno has 23, Philadelphia 22, Palo Alto 21, Modesto 18, Walnut 12, Berkeley 11 and Cambridge 10). For his study, he included Olympic events and their yard equivalents plus a few other relays and the 220 straightaway. "Highlights of the breakdown," reports Marvin, "are California's and LA's dominance. Cal has 61.8%. Also surprising is the weak showing of Texas as a site for world records"... Twenty-one non-US athletes actually traveled to the States to compete during the indoor season... The AAU's Junior Olympic program reaches more than 16 million youngsters annually in 13 sports... Ten squads of US athletes have competed abroad since the AAU indoor championships in February... Over the past two years, the AAU reports it has sent 250 track athletes to foreign competitions... Miller Marty Liquori says someone may run the mile under 3:50 this year but it won't be him, "at least not for the next year or two"... Foreign publications have been carrying an advertisement for Puma with this sales pitch written in English: Hot Shoes with the wings... Bill Dinneen, Dartmouth's IC4A hammer champ, is the grandson of one of the first two pitchers in World series history (1903).

Ron Laird (NYAC) won his 100th national AAU gold medal (55th individual and 45th team) on May 29th when he annexed the national 10-kilo race walk title in 47:10.0. Ron won his first gold medal in June of 1956 when he and two others of his club took the 30 kilo team title... The track dates for the Pan American Games have been finally established as July 31 to Aug. 5. Optional training camp privileges will be available at Duke, where the US-Africa meet will be staged, from July 14 to 22. Athletes will depart from Miami for Colombia on one of four flights on the 25th, and track athletes may return anytime beginning Aug. 6. Dr. John Anderson of Bowdoin has been named head physician and Bob Beeten of Idaho State head trainer of the US medical staff for the Cali Games... The Tartan track at San Jacinto, Texas was an experimental job with a "solid concrete base with a special coating after the track was finished," reports Dick Ganslen, who adds, "It's the best track I have seen in Texas... springy yet firm and feels like velvet under your feet even when you walk on it". Fred Duckett reports the Rice runners call it one of the fastest anywhere... The NCAA rules committee is recommending that the championship outdoor meet be moved up to either the first or second week in June, which would give a closer relationship between many early conference meets. A number of schools have actually closed by mid-May... The 1974 Commonwealth Games will be held in Christchurch, Jan. 24 to Feb. 2... Nine days after the Mt. SAC Relays, Jay Silvester dropped a 440-lb. barbell on his upper chest and it rolled on to his neck--causing him to be temporarily blinded and endure neck spasms--while bench pressing. Realizing how close he came to getting killed, he was emotionally upset for at least two weeks thereafter and suffered painful bruises as a result. He explained that he does not wrap his thumbs around the bar, thus enabling the bar to slip off his palms... UC Irvine has had a brand new Tartan track all year without any track team. It was used for the SPAAU and Interservice Championships. Russ Hodge rates it even superior to UCLA's super facilities... Three one-time big meets were not staged in the southern California area this year: Compton, Coliseum or Orange (which had the highest TV rating of any televised meet last year). At least Compton and Orange are expected to be on the schedule next year when not only the Coliseum in LA but also the Mt. SAC track are expected to have Tartan tracks.

The AAU officially authorized competition in the masters (age 40 and

older) class when it announced the 1971 Masters Championships, scheduled for July 2-3 in San Diego, Calif., will be sanctioned by the US amateur sports governing body. This year's meet will include four classes of competition... A new track club, "The Institute", under the aegis of the Institute for the Study of Sports and Society, is being formed around the athlete nucleus of Tom Waddell, Phil Shinnick, Kermit Bayless and Bob Deines and coaches Archie Owens, Mal Andrews and Jack Scott. With a stated purpose "To develop humanistic, socially aware, integrated approaches to athletic excellence", any athlete is eligible for membership pending the approval of current members. For further information, direct your inquiry to 582 58th St., Oakland, Calif. 94609, or phone 415/658-5380... Eastern Michigan coach Bob Parks, who teams won the cross country, indoor and outdoor team NAIA championships during the past school year, was named the track mentor of the year by the NAIA... There may be high prices charged at major track events in New York City, but out at St. John's they charge a penny for the Mets... Readers can pick up on an outstanding chronicle of Canadian prep track with the 1971 Annual. It sells for \$1.50 from the O.F.S.A.A., Room 303, 559 Jarvis St., Toronto 285, Ontario, Canada. Edited by Bob Gage, it includes mostly stats in 60 pages.

The Swedish press already has its first "Ricky Bruch scandal" of the year, reports correspondent Lennart Strand. "It happened in Malmo when he didn't come to the press conference which was to start this season's 'Ricky circus'. But world record holder Jay Silvester was there asking: 'Where is Ricky? He can't be afraid of me since he is the best. His average this year is 65-meters (213'3") and mine is only 62 (203'5")'. But nobody could answer the question where Ricky was. Not even his manager. And the same thing happened the day before. Ricky had promised to be in a Trelleborg meet, but he didn't come and lots of people wanted their money back and left the arena. The organizers reported Ricky to the Swedish track and field association"... AAU track and field administrator Ollan Cassell reports that the IAAF will not permit Ni Chih-chin to appear in the US (or probably any other member nation)... Bill Toomey, switching from competing to telecasting, finds the latter "not at all that glamorous" after all-night editing sessions... Hurdler Willie Davenport has done practically no training this season, relying on competition. He's sporting a noticeably thickened mid-section... Dick Fosbury, who is training only when it fits into his busy schedule of completing his work toward a degree at Oregon State, reports he may not even secure a job next year in order that he may concentrate on training seriously for the Olympics... Certificates honoring UCLA as national dual meet champions of 1970 and containing the names of all team members were presented to each of the athletes and coaches by T&FN... El Paso's new invitational meet drew 11,000 fans despite winds strong enough to force closing of a sand-blown interstate highway. It took a 9000 gate to break even and meet director Wayne Vandenburg already is looking forward to a bigger and better meet next year. The weather bureau allegedly said the wind was the strongest since the wind that blew Dorothy's house from Kansas to Oz... Mel Pender says, "I'll be on the Olympic team next year. Maybe not in the 100 but at least in the relay. I surprised in 1964 and 68. I'll do it again."

Randy Matson is disappointed with his progress this season. "I can't get nervous enough. Three or four times this year I've worked up to meeting Al Feuerbach, and then when I learn he's not there I can feel the energy draining out of me." Told Jay Silvester had just said he (Matson) could be great in the discus with two weeks work, Matson replied, "I can say the same about Silvester in the shot. For a discus thrower, his 64'0" at El Paso was tremendous, especially considering the conditions"... Norm Tate, one of history's best combination horizontal jumpers with bests of 27 $\frac{1}{4}$ "/54'9 $\frac{1}{2}$ ", says, "It's different now that I did 27-feet. The phone has been jumping. But I know I'll never be famous, no matter how far I jump. I'll never walk down the street and hear people say, 'There's Norm Tate, the jumper.' But I'm a mean competitor now and I'm getting meaner. I just want people to say, 'There's Tate, the guy who beat me?'"... T&FN High School Statistical editor Jack Shepard has been added to the selection committee of the Golden West Invitational and spotted for the announcers of the California state prep TV coverage. At the Quantico Relays, nautical anemometers were used to determine wind readings: typical might be 5.53 knots at 10.3° which required translating into miles per hour and vector... Students in Cali pledged to continue street demonstrations throughout the Pan Ams but officials said maximum security measures will be in force and the Games will not be canceled... The 1971 Runner's World 24-Hour Relay is set for July 9-10 at Foothill College in Los Altos. For info, contact the publication at P.O. Box 366, Mountain View, Calif. 94040. From the Las Vegas Track Club News: "A San Francisco cardiologist who is obviously not a runner attacked jogging, inferring it caused a great many deaths. He suggested it be eliminated. In rebuttal, Dr. Ron Lawrence, who heads the American Medical Jogging Association, wonders if the cardiologist has considered the number of deaths which have occurred during and immediately following sexual intercourse. He then wonders if the cardiologist would suggest that be eliminated."

The coaching and managerial staff for the US-USSR-All-Star meet is now complete with the announcement of three assistant coaches, Irving Kintisch of Columbia, Hoover Wright of Prairie View A&M and Bill Dellinger of Oregon, and two assistant managers, Mike Portanova and Jesse Robinson of the southern California area. Previously tagged were head coach Dave Maggard and head manager Ted Hayden, of Cal and UCTC respectively... Heavy doses of vitamin B12 are useless to athletes, reports University of Wisconsin team physician Dr. Allen Ryan who added, "Vitamins, especially B complex, are not stored in the body and as a consequence when they are taken in excess of the daily requirement are simply passed off without being used and there may be harmful effects"... As a follow-up to its announced intention to stage integrated competitions and permit multi-colored teams to travel abroad, South Africa and Rhodesia will stage a meet this month with blacks and whites from both nations involved... Former steeplechaser John Parker, fired from a graduate assistant post with the Florida track team ostensibly because of a critical article he wrote about the athletic department in the school paper, has filed an \$11,650 suit against the school's athletic director, Ray Graves. Parker was also instrumental in the establishment of the controversial "League of Athletes" at Florida... The Ohio Track Club is rebuilding. For info, write Wayne Armbrust, 101 Curl Dr., Apt. 735, Columbus, Ohio 43210. □

MY RUN ACROSS The United States

by DON SHEPHERD

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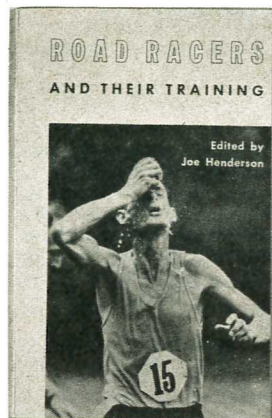
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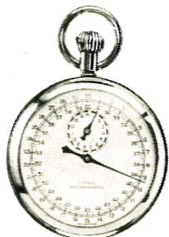


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Last Lap

T & F Varieties

USSR, All-Star, African Teams to Meet US Named

Athletes on the US teams to meet the USSR and World All-Stars as well as the combined African team in separate July competitions will face many Olympic, European and Commonwealth champions. Announcement of all three foreign delegations confirmed this fact. The US squad(s) for the two meets will be selected on the basis of AAU results.

The complete line-up of the Soviet team, with career bests where available: 100m, 200m, 400R: Valeriy Borzov (10.0, 20.5), Aleksandr Kornelyuk (10.1), Vladimir Lovyetskiy (10.2), Sergey Korovin (10.3, 20.9), Boris Izmyestev (10.3), Aleksandr Zhidkikh (10.2, 21.0); 400m, 1600R, Boris Savchuk (46.3), Semyon Kocher (47.1), Vladimir Nikitin, Ennu Laasner (47.3), Yuriy Zorin (46.4); 800m, Yevgeniy Arzhanov (1:45.5), Ivan Ivanov (1:47.7), Valeriy Taratynov (1:48.5), Aleksey Taranov (1:48.8); 1500m, Mikhail Zhelobovskiy (3:39.6), Vladimir Panteley (3:40.5); 5000m & 10,000m: Rashid Sharafyudinov (13:37.2, 28:52.2), Nikolay Puklakov (13:45.2), Yuriy Aleksashin (13:45.6), Nikolay Sviridov (13:39.6, 28:09.0), Leonid Mikityenko (28:12.4); 3000mSt: Vladimir Dudin (8:22.2), Aleksandr Morozov (8:23.4), Romualdas Bite (8:33.6); 110mHH: Viktor Balikhin (13.7), Aleksandr Dyemus (13.9); 400mIH: Vyacheslav Skomorokhov (49.1), Dmitriy Stukalov (50.2); 20kWalk: Vladimir Golubnichiy (1:27:21.4), Nikolay Smaga (1:28:08.6), Vladimir Shalosiyk (1:29:13.0); HJ: Valentin Gavrilov (7'3"), Kestutis Sapka (7'3 $\frac{3}{4}$ "); PV: Yuriy Isakov (17'4 $\frac{3}{4}$ "), Yuriy Khanafin (17'2 $\frac{3}{4}$ "); LJ: Igor Ter-Ovanesyan (27'4 $\frac{3}{4}$ "), Valeriy Podluzhnyi (25'9 $\frac{3}{4}$ "); TJ: Viktor Saneyev (57'3 $\frac{3}{4}$ "), Vladimir Kurkyevich (54'9"); SP: Eduard Gush-

Are AAU Travel Permits Used to Coerce Athletes?

As the national AAU Championships draw near, the question of travel permits for foreign competition continues to be an issue between some of the athletes who compete in the AAU and some of the officials who run the AAU.

Rich McArthur, the AAU publicity director, reaffirms that "the idea of withholding travel permits as some sort of reprisal against certain athletes was never discussed and is not being considered now". And a member of the executive board of AAU men's track and field says that "certainly the AAU does not and never did insist that athletes would have to compete in the AAU or be denied a subsequent travel permit. In all other cases I have not heard an opinion expressed by any AAU person that an individual registered athlete in good standing could be refused a travel permit".

On the other hand, hard evidence indicates something quite different in practice. According to correspondence from Olan Cassell, the AAU's track and field administrator, the AAU not only has given thought to withholding of travel permits in certain circumstances but has adopted a set of guidelines incorporating this thought. Two instances:

1. Jay Silvester applied for a foreign travel permit on April 1, planning to leave for Europe June 4. As of June 1 he had not received his permit. But he did receive an April 22 letter from Cassell which said, "I... must indicate our people strongly feel our best should be at the National Championships. While we are presently conducting, by mail, an opinion on travel permits and selection for summer meets, which could require everyone issued an independent travel permit to participate at the Nationals, the results will not be known until the first week of May." (By the end of May, Silvester had not been notified of the results and the AAU was insisting the idea was never discussed.)

2. The Pacific Coast Club, through track coach Tom Jennings, requested on February 16 a team travel permit for about 10 PCCers to compete in Europe in July. Three months and 10 days later no travel permit had been issued nor had any been denied, and this after 12 letters by Jennings, two by the Southern Pacific Association of the AAU, and eight letters in reply from Cassell. But even more significant than the lack of a decision on the permit was the content of a March 4 letter from Cassell to Jennings. "The national track and field board discussed your request for the Pacific Coast Club to make a tour of the Scandinavian countries and Europe this summer. The committee approved of the tour provided you follow the guidelines that have been established for clubs and colleges which have made similar tours in the past." The last of eight listed guidelines was, "the date of the competition and athletes required by the international team must not interfere with the following: a. national AAU championships; b. scheduled competition of a national team at home or abroad".

In a companion matter, also made public by T&FN's May II editorial, "Foreign Travel Permits: AAU Doesn't Own Athletes", there is another example of the AAU's left-hand apparently being unaware of what its right-hand is doing.

T&FN suggested that membership on an AAU team was a privilege not a right, and that if an athlete had the privilege of rejecting membership one year the AAU had the privilege of not extending an invitation the next year. McArthur says, "We share your opinion about the relevant obligations vis-a-vis an athlete and his country." But the executive board member says "you make a conclusion much harsher than any AAU voice".

Perhaps the right hand and the left can get together when the AAU's administrators and committeemen get together in Eugene. And, hopefully, they can agree on a policy that will be fair to and make sense to the athletes also in Eugene.

FORM SHEET

Based on the best information available at presstime, the following form charts represent the T&FN staff's opinion on the current ratings of athletes likely to be competing in the NCAA and AAU meets. In the NCAA team battle, Southern Cal has an edge, with probable high placers in nine events. UCLA is the current second choice, although distance-powerful Oregon and sprint-strong Colorado could make a run for it if things break right.

Key: (A)=almost certain to win; (B)=good chance to win; (C)=possible chance to win; (D)=little chance to win, but definite possibility to place in top six. Commas (,) separating names indicate a definite preference between competitors; hyphens (-) connecting names indicates athletes are rated equally and listed alphabetically. (?)=some question as to whether athlete will compete in this event, or in meet at all; ' after athlete's name indicates that he is a resident alien, thus ineligible for US international teams.

NCAA Championships

100: (B) Deckard. (C) Branch-Daniels' (?). (D) Hart-Washington, Crockett-J. Harris, Edmonson-Jackson, Garrett-Hearvey-B. Turner.

220: (B) Deckard. (C) Black-Branch-Daniels'-Goodrich. (D) Edmonson-Jackson-Mitchell, Crockett-Garrett-Schultz.

440: (B) Smith, Collett-Garrison. (D) Alexander-Bond-T. Turner, Brown-Jordan-Mills-Morton.

880: (B) Winzenried. (D) Fabian-Wheeler, Drew-Jones-Mosser(?)-Vinson, Brown-Kaczka, Philippe-Waldrop-Wohlhuter.

Mile: (A) Liquori. (D) K. Kvalheim', Howe-LaBadie, Mason'-Munson-Ritchie'-Rose, Baker-Mosser(?)-J. Savage, Carlberg-Jensen-McClendon-Ortiz'.

3Mile: (A) Prefontaine. (D) Hilton-Kardong, Fredericks, Gross-McKay, Bringhamst(?)-Keogh-Kretz.

6Mile: (A) Bjorklund. (D) Fredericks(?)-Hindley', Brown-Misner-Sliney'-Tomczak-Walsh', Bednarski'-Graves-Hartnett'-Nelson.

3000mSt: (B) Liebenberg-Savage-Sink. (D) Johnson-Lathers-Timm, Haver-Lucas-S. Kelley, Bayham-Gray-Hutchison'-Mullens-Silvius.

120HH: (B) Milburn. (C) High, Gibson(?)-Walker. (D) Babb-Draper-Taylor-Woods, Bates-Carty-Howser-Mattina-Murray'.

440IH: (B) Mann. (C) Bolding. (D) Wood, Cronholm-Seymour-White, Bornkessel-Koster-Rondeau, Bassett-Elwell-Hartwick.

HJ: (B) Brown. (C) Heikkila-Matzdorf. (D) Allen-Bernard-Culp-Mann, English-Hill-Wilson, David-Duff-Fletcher-Hollins.

PV: (B) Roberts-Tracanelli'. (C) Bryde'-Heglar. (D) Craig-Ernst, Blair-Cotton-Cryder-Wallick, Bussabarger-Carrigan-Fullard.

LJ: (B) Hines-Moore-Robinson. (C) McAlister. (D) Bendixen-Brabham-Carrington-Rea, Haynes-Humphrey-Lanier-Woolfolk, I. Harris-Johnson.

TJ: (B) Gill'. (C) Butts-Reader. (D) Fraser-Hines-McClure-Rogers, Geredine-Jackson-Lanier-Onyango'-Steffes-Vanley.

SP: (A) Salb. (D) Monari-Stuart, DeBernardi-Shmock-S. Wilhelm, Lane-Ostoich-Walker.

DT: (B) DeBernardi, Antunovich'. (D) Louisiana, Pecar'-Penrose, Miller-Salb-S. Wilhelm, Benien-Ostoich-Thomas.

HT: (B) Schoterman, Accambay'. (D) Dinneen-Penny, Converse-Furness-McDermott, Bredice-Diehl-Leitch'-Tenisci'.

JT: (B) Feldmann. (C) Murro, Pihl'. (D) Colson-Dowswell'-Kouvolou, Bacon-Morland, Gill-Hagy-Kennedy'.

Dec: (B) Bakley-Evans-Pettes-Samara. (D) Dixon-Harzmiller-Whitson.

440R: (B) Sn Cal. (C) Colo-UCLA. (D) Ind, Kans-Ore-Tenn, Sac St-Ky St.

MileR: (B) UCLA. (C) ACC-Murray St-Rice-Tenn. (D) Adelphi-Nebr, BYU-Texas.

AAU Championships

100: (B) Deckard. (C) Branch-Daniels'(?)-McGee-Meriwether-Miller'. (D) Hart-Washington, Crockett-J. Harris-Kemp(?)-Quarrie'.

220: (B) Deckard-Quarrie'. (C) Miller'-W. Turner. (D) Black-Branch-Daniels'(?)-Goodrich-Kemp(?), Dill-Roberts'.

440: (B) Evans-Smith, Collett-Garrison. (D) Alexander-Bond-Elbel-Kemp(?)-T. Turner-Van Hofwegen, Brown-Dotson-Jordan-Mills-Morton.

880: (B) Luzins. (C) Von Ruden-Winzenried. (D) Dyce'-Sandison, Fabian-Wheeler, Drew-Jones-McElroy-Mosser(?)-Vinson.

Mile: (B) Liquori-Ryun(?). (D) Crawford-Howe-LaBadie-McAfee, Munson-Rose-D. Savage, McClendon-Wilborn.

3Mile: (B) Prefontaine-Young. (C) Shorter. (D) Bachelier-Lindgren-Stageberg, Moore(?)-Riley, Harrison-Hilton-Kardong, Fredericks(?).

6Mile: (B) Bjorklund-Shorter. (C) Bachelier-Lindgren(?). (D) Messenger-Moore(?), Fredericks(?)-Hindley'(?)-Jobski, Brown-Clark-Galloway-Misner-Tomczak.

3000mSt: (C) Brown-Liebenberg-Manley-Nightingale-Savage-Sink. (D) Clark-Johnson-Lathers-Price-Timm.

120HH: (B) Milburn. (C) Davenport-White. (D) High, Gibson(?)-Walker, Babb-Draper-Rich-Taylor-

Wilson-Woods. **440IH:** (B) Mann. (C) Bolding-Bruggeman-Steele-Whitney-Williams. (D) Collins-Johnson'-Wood, Cronholm-Seymour-White.

HJ: (B) Brown. (C) Elliott-Heikkila-Matzdorf. (D) Bowers-White, Allen-Bernard-Culp-Dobroth-Mann, Lisby, Fosbury(?).

PV: (B) Johnson-Roberts-Smith-Tracanelli'(?). (C) Railsback-Seagren. (D) Caruthers-Heglar, Craig-Ernst, Blair-Cotton-Cryder-Parris-Riley-Wallick.

LJ: (B) Hines-Moore-Robinson-Tate. (C) McAlister. (D) Coleman-Jackson-Royster-Whitley, Brabham-Carrington-Rea-R. Williams.

TJ: (B) Craft-Gill'-Tiff-Tate. (D) Butts-Reader-Smith, Fraser-McClure-Rogers-Tucker.

SP: (A) Matson. (D) Feuerbach-Salb, B. Wilhelm, Marks-Monari-Silvester(?)-Stuart, DeBernardi-Shmock-S. Wilhelm.

DT: (A) Silvester. (D) Volmer, DeBernardi-Drescher, Antunovich'-Kohler-Neville-Ordway-Powell, Knop-Van-Reenen'(?).

HT: (B) Frenn-Gage. (D) Connolly-Schoterman, Accambay'-Hall-Hart, Narcessian, DeAutremont.

JT: (B) Feldmann-Skinner. (C) Murro. (D) Covelli-Luke-Schmidt-Stuart, Francis-Tipton, Collins(?).

Status Quo

Last year's top two world-ranked hurdlers, Thomas Hill of Arkansas State U and Marcus Walker of Colorado have returned to the wars. Walker, who injured a thigh muscle in March, ran a windy 13.6 for third place at the USTFF championships and will go in the NCAA and AAU. Hill ran a 110-yard race (equivalent to 100-meters) in late May, covering the distance in 10.6. He was given the go-ahead to hurdle again early in June, but his competitive status is not yet known.

Jon Cole will pass up the discus this year in favor of concentrating on his weight lifting, although he will make a serious attempt with the plate for Munich in 1972. His one toss this year, 197'9", reportedly came on a bet that he couldn't still break 170-feet... Several injuries of consequence at the USTFF meet: sprinter Jim Green pulled up in the 220 final and will probably not compete further and Florida vaulter Scott Hurley landed in the box while warming up for the vault. He will also miss the rest of the season... Also out for the year is the country's number-one miler last season, Chuck LaBenz, with his thigh problem... Al Coffee will not compete in the NCAA for LSU as he dropped out of school to join the army before the end of the school term.

Cole (Nig, 13.9). 400mIH, Yego, John Akii-Bua (Ug, 49.7). HJ, Nashughe, Ahmed Senuussi (Chad, 7'1/4"). LJ: Josh Owusu (Ghana, 25'10 3/4"), Mike Ahey (Ghana, 26'5" w). TJ, Mansour Dia (Sen, 54'10 3/4"), Samuel Igoun (Nig, 53'9 3/4"). SP, Asaad, Namakoro Niare (Mali, 49'4 3/4"). DT, Niari (198'10 3/4"), Seguin Kragbe (IC, 187'7"). JT, Djie Gague (IC, 254'3"), Jacques Aye (IC, 233'9").

Synthetic Infields Ostracizing Weight Throwers

All four throwing events at the NCAA will be contested outside the stadium, emphasizing a trend not in the best interest of the sport.

Football fields covered with synthetic surfaces are off limits to the throwers and as the trend is to more such gridirons there will be fewer combination stadia capable of holding the throwing events. The javelin, discus and hammer throwers, and often the shot putters, will be relegated to the outer areas, deprived of an opportunity to compete before the spectators who in turn are not given a clean view of the weight competition.

Such is the case at the University of Washington, scene of this year's NCAA, where an AstroTurf football surface was installed in 1968. All throwing events will be conducted on an adjoining field at the open, east end of the stadium. Temporary bleachers have been installed but when the throwing events coincide with the running and jumping events within the stadium, spectators will have to make a choice.

Washington spent some \$60,000 last summer to upgrade its track and field facility including preparation of the throwing area. The field was skinned and leveled in accordance with IAAF standards, new areas for the shot and hammer were added, the javelin sector extended to over 310-feet. The asphalt-rubberized track was put down in 1968 and the high jump and water jump areas have been modernized.

But on the diagram of the UW facility the entire football field is labeled "Off limits to track athletes!!!". At the Pac-8 championships held there in May, however, track athletes were allowed on the precious football turf.

It is football, of course, which rules the collegiate athletic roost,

chin (66'6 1/2"), Valeriy Voikin (64'2 1/2"); DT: Vladimir Lyakhov (208'4"), Veljo Kuusemae (209'0"); HT: Anatoliy Bondarchuk (247'7 1/2"), Vasilii Khmyelevskiy (233'8 1/2"); JT: Janis Luisis (301'9"), Vilnis Feldmanis (274'11"); Dec: Nikolay Avilov (8096), Vladimir Shcherbatikh (8032).

The all-star team will include: 100m, 400R: Lennox Miller (Jam, 9.2y/10.0m), Jean-Louis Ravelomanantsoa (Malag, 9.3y/10.1m), Alf Daley (Jam, 20.8m), Carl Lawson (Jam, 9.3y); 200m: Don Quarrie (Jam, 20.5), Stan Allotey (Ghana, 20.5); 400m, 1600R: Charles Asati (Ken, 45.0), Ross Wilson (Aus, 45.6), Claver Kamanya (Tanz, 45.7), Ben Cayenne (Trin, 45.9r); 800m: Naftali Bon (Ken, 1:46.5), Byron Dyce (Jam, 1:45.9y); 1500m: Dick Quax (NZ, 3:38.1m/3:57.8y), Chris Fisher (Aus, 3:59.1); 5000m: Mohamed Gamoudi (Tun, 13:30.8), Chris Stewart (GB, 13:49.6); 10,000m: John Ng'eno (Ken, 28:31.4), John Farrington (Aus, 27:33.8y) (alt--Rex Madadafod, NZ, 28:17.8); 3000mSt: Amos Biwott (Ken, 8:30.8), second member to be named; 110mHH: Arnaldo Bristol (Puerto Rico, 13.6y), Kwaku Ohene-Frempong (Ghana, 13.9y); 400mIH: Charles Yego (Ken, 50.1), Roger Johnson (NZ, 50.2) (alt--William Koskei, Ken, 50.1); 20kWalk: Bob Gardiner (Aus), second member to be named (alt--F. Johnson, Can); HJ: Hidehiko Tomizawa (Japan, 7'2 3/8"), Abdulloh Nor Nashughe (Somali) (alt--Lawrie Peckham, Aus, 7'2 1/4"); PV: Chris Papanicolaou (Gr, 18'1 1/4"), Francois Tracanelli (Fr, 17'8 1/2"); LJ: Phil May (Aus, 26'1 1/2"), Lynn Davies (GB, 27'0"); TJ: May (55'10"), Mohinder Gill (India, 55'1 1/4"); SP: Dave Steen (Can, 63'1 1/4"), Bruce Pirnie (Can, 60'10 3/4"); DT: Ricky Birch (Swe, 224'1 1/2"), Joe Antunovich (NZ, 198'10"); JT: Jacques Accambay (Fr, 223'10 3/4"), Takeo Sugawara (Japan, 228'11"); HT: Rich Dowswell (Can, 252'6"), Armando Morales (P Rico); Dec: Arthur Hess (Switz, 7715), Barry King (GB, 7486).

The African team: 100m, 200m, 400mR, Ravelomanantsoa, George Daniels (Ghana, 9.2, 20.4w), Norman Chihota (Tanz, 10.1), Julius Sang (Ken, 20.7y), Asati (20.9). 400m, Asati, plus another. 800m, Bon, Robert Ouko (Ken, 1:46.6); 1500m, Kip Keino (Ken, 3:34.9), Johanna Mohamed (Eth, 3:45.7). 5000m, Keino (13:24.2), Merutz Yieffer (Eth, 13:52.6). 10,000m, Wohib Masiesha (Eth, 28:55.0), Fikru Deguefu (Eth, 28:53.0). St, Ben Jipcho (Ken, 8:29.6), Biwott. 110mHH, Frempong; Adeola Aboiyade-

and which dictates not only the type of surface in the grid stadium but how it may be used. And, as a Track & Field News survey shows, most track coaches go along unquestioningly with what football dictates.

Not one artificial football field is used for the throwing events as far as T&FN can determine. All coaches at schools having such surfaces report they "assume" the implements would damage the synthetic surface. And all admit no tests have been made to prove or disprove the assumption.

The three main synthetic fields are Tartan Turf by 3M, makers of the Tartan tracks; Astroturf, by Monsanto, the most popular of the field coverings; and Polyurf, by American Biltrite. All are nylon carpets laid over a base. The Tartan base is similar to the Tartan track while Astroturf, which is about 30% less expensive than Tartan Turf, and Polyurf, which is less costly still, employ a sheet laid ensolite base.

According to Don Bowden, former American record holder in the mile and now with 3M, it is the base that provides the problem in throwing onto these surfaces. His company has not run tests, but Bowden feels the hammer and shot possibly may break the surface underneath the Tartan. He says the discus would be okay on Tartan Turf and so would a rubber tipped javelin while the usual metal type quite probably would tear the backing on the carpet.

No answer was received from the makers of Astroturf or Polyurf but it is noted in the Astroturf warranty that there are definite load limits on the surface and it can be assumed the hammer and shot on landing would exceed these limits. Tartan Turf has no weight limit and 300 tons of steel plate for auto racing has been laid on top of the installation in Pittsburgh. Cleburne Price, University of Texas coach, says "The Astroturf people assured us we could probably throw the shot and discus on our field." But Texas holds the throws elsewhere, as does Washington, Texas A&M, Alabama, and Arkansas, all with Astroturf, and Kansas and LSU, with Tartan Turf.

Even if it were allowable to throw onto the synthetic surfaces there is some question as to the marking of the point of landing. Some coaches say it would not be possible to get an accurate pinpoint while others say quickness in getting to the spot would do the job properly and point out that many discus landings, for instance, do not leave a visible mark.

As football moves, seemingly inevitably, towards the artificially covered field, more and more track and field meets will be held in two distinctly separate areas. This is an obvious area of concern for the sport and it is to be hoped that someone in authority--perhaps the NCAA rules committee--will get together with the surface manufacturers to determine exactly how the fields can be used without damage and what can be done to permit throwing onto artificial infields.

Those Were the Days When...

Twenty Years Ago: Jim Golliday, whose death was recently announced, won the AAU 100-meter title as a Northwestern freshman in a meet record tying 10.3. In the same meet, Jim Fuchs, world record holder in the shot put, competed and with a wrenched back had his winning streak of 89 straight shot put victories broken. Fuchs threw the iron ball 55'2" but USC sophomore Parry O'Brien won the event with a toss of 55'9 1/4"--some three feet off the world mark... Henry Dreyer of the New York AC turned in a tremendous performance to win the 56-lb. weight throw at the 60th Metropolitan AAU championships. His winning toss of 41'7 1/2", tantamount to a world best, beat the 1913 meet standard of 40'2" made by Patrick Ryan. The new American record broke Frank Berst's 41'6" (1947). At Seattle, George Rhoden of Morgan State won the 220 (20.7) and 440 (46.5), but Southern Cal won the NCAA Championship with 56 points from Cornell (40) before a shirt-sleeved crowd of 9500. Jack Davis won the highs for USC in 13.7 to break the meet record by two-tenths. Another meet record fell when Don Laz (Illinois) vaulted 14'9 3/4" to eclipse the 14'8 3/4" of Bill Sefton (Sn Cal) made in 1937... Fred Wilt ran the fastest two-miles ever in the US, at Providence, R.I. and came within three seconds of Gunder Haegg's world record. The FBI man sped through eight laps in 8:45.5.

Ten Years Ago: Carlo Lievore of Italy got off two mighty javelin throws over 280-feet on June 1 at Milan. On his second try, his javelin had a long and relatively low trajectory, and landed well beyond the field at 284'7" two feet-plus over Al Cantello's official world. Lievore found enough strength to get his next throw off to 280'6", and then called it a day... At the California Relays, Olympic Champion Ralph Boston thrilled an over-flow crowd of 11,103 by cracking the 27-foot "barrier" in the broad jump. Boston bettered 26-feet on all six tries and the longest was a world record 27' 1/2". Boston, 22 years old, had leaps of 26'5 3/4"; 26'9 3/4" (second longest in history) and 26'5 3/4" (most remarkable because he took off behind the eight-inch board, actually soaring about 27'2"). Then came his world record, followed by 26'1 3/4" and 26'10 1/4". Probably no other man, in any field event, had such a remarkable series... Bruce Kidd, a 17-year-old Canadian high school distance wonder, raced to the outstanding performance of the 22nd Compton Invitational and to the most amazing performance, by age, of any runner in history. His 13:56.4 for 5000-meters included an American all-comers record of 13:36.6 three-miles en route... Valeriy Brumel of the USSR cleared 7'3 3/8" to break John Thomas' world record in the high jump.

Five Years Ago: Newest quarter-mile sensation was San Jose CC's Lee Evans, who was undefeated, won three invitational events and had a best of 46.1 for a JC mark... Depthwise, the half-mile in the US was superior to any year in history. Tenth place was 1:48.4 in the US Report, while 13 collegians eligible for the NCAA title meet had 1:49.0 or faster... Nineteen-year-old Jim Ryun, Kansas freshman, bagged his first world record, a 1:44.9 clocking in the 880 at the USTFF championships on Indiana State's new grass-turf track. Six days before, Ryun had missed the world mile record by a tenth as he clocked 3:53.7 at Compton for a new American record... 20-year-old Gerry Lindgren tied Bob Schul's 13:38.0 5000 meter American record at Compton... Doyle Steel of San Diego High School long jumped 25'5 1/4" for a new prep record. His previous best was 23'11 1/2"... Glenn Davis, Olympic 400-meter hurdles champion in 1956 and 1960, was named head track coach at Cornell University (Ithaca, NY)... From China came word that Ni Chih-chin cleared 7'5" in the high jump. /Wally Donovan/□

To Box 296

Letters to
the Editor

ORG POTGIETER, journalist, Kaapstad, South Africa:

We in South Africa really and sincerely hope of getting back into international competition now that the Prime Minister is prepared to allow mixed international meetings, i.e., black, white and brown and yellow from abroad and local to run in one meet. At the moment, a non-white rugby wing (Roger Bour-garel) is touring with the French, while last year we had the Maoris (New Zealand natives) and this year we'd had Evonne Goolagong (Australian native tennis player). What we are not willing to do is have mixed clubs. We feel clubs should operate separately, to the benefit of all races. But as far as the Olympic sports are concerned, we select mixed teams and have multi-racial meets. It's a big problem, and we try to solve it by our best means. We want to exist, our 3 1/2 million whites, and we want to care for the non-whites as well. And we want to remain white. We have nowhere else to go, us whites. We know that political influences have penetrated sport to such an extent that we will never again compete in the Olympics but we do wish to compete internationally against the friendly countries, those which are concerned about sport and not by having our rich country.

TONY BENSON, steeplechaser, Ballarat, Australia:

Re the article on Kerry O'Brien and myself (1 April T&FN). I don't think I would claim that my "spirit is superior". The edge I have is rather due to sprinting speed, and against someone as good as Kerry one has to be very confident if one tries to lead. As the article says, "it is impossible to give too much away to as strong a guy as Kerry" and still win. US indoor distance men should agree there is nothing wrong with Kerry's spirit.

JOHN BAKKENSEN, discus thrower, Portland, Oregon:

There was a good quartering wind from the right at the NAIA District I championships at Ellensburg, which the Central Washington State throwers told me is usually the case at their track. Perhaps little Ellensburg will become the Antelope Valley of the northwest. As this is the year for long discus marks, I would like to add my 201'1" PR from that meet.

HAKAN NORDQVIST, Tapiola, Finland:

What can be said about these millions of phony discus competitions where the only competitive criteria is the wind direction and where worrying about officials and measuring tapes begins only if a record is beaten? Surely there must be a way back to sensibility... such as inviting Al Oerter back to beat the phony record throwers once again.

JOE FORREST, Sioux City, Iowa:

My bitch: there was no mention of the flagrantly "fast" second place times throughout the King Games (11 May T&FN). Of course, Jim Ryun's "3:54.6" was quite obviously incorrect to all who saw him a clear 1-2 yard loser. Other examples abound. Rod Milburn won the highs by a clear three yards, and Tom White barely outleaped Willie Davenport, yet the timing went 13.4, 13.4, 13.6. In the 220, Ed Roberts was a well-beaten two-yards or more behind Donald Quarrie and barely a foot ahead of third place of Tom Randolph, yet the times were 20.8, 20.9 and 21.1. The 880, 440, heats of the highs and 100 also reiterated the inaccuracies of second-place timing. (Editor: By examining photos taken by the Bulova Phototimer, T&FN has been able to correct some of the place-timing at the King Games. As reported in the I June issue, Jim Ryun's mile time was adjusted to 3:54.8. In other significant changes, White and Davenport now both receive 13.5 in the hurdle final and Jim Kemp, Charles Greene and Bob Ware get 9.5 in the 100 final.)

ROBERT EVEROSKI, Sterling, Kansas:

Will Feuerbach win his second national AAU outdoor shot put title this year as he did in 1903? In that year, L. E. J. Feuerbach heaved the shot 42'11 3/8" to win. There are indications that Al Feuerbach could win the title this year.

CHARLES KOLTZ, Shawnigan Lake, British Columbia, Canada:

After carefully examining pictures of Ni Chih-chin's controversial 7'6 3/4" high jump, I noticed that the face of Chairman Mao has been super-imposed on the jumper's body. I therefore suggest that the mark be ignored as only a political chess move.

N. F. BROWN, Los Angeles, California:

After watching CBS' first two telecasts of the season, I have concluded that on the decathlon scoring table Bill Toomey should be credited with one point for attempting each event. (Editor: As it is a wives-tale that a decathlete receives a point for trying an event, Bill would not receive any points by this method of scoring.)

BOB FORBES, Eugene, Oregon:

In addition to his first prep record, Russ Francis has had five throws over 244- and three over 251-feet within just one week. He is, however, extremely naive. I talked to him, and he didn't know who Jorma Kinnunen or Pauli Nevala were from Adam. He had no idea of what the world record was. When I told him what it was, he practically gasped. Then I told him that those guys have thrown for nearly 20 years and they were experts at technique, he felt better. He is a terrific person.

JACK DANIELS, assistant coach at Texas, Austin, Texas:

I'm intrigued by some of the "old" comebacking athletes, though I'm not sure so many qualify as comebackers; perhaps "re-runs" better explains most of those I know. Requirement for a true comeback is the following: (1) statement never to compete again; (2) weight gain of at least 20-lbs. by runners or 40-lbs. lost by weightmen; (3) no competition for one year. However, whatever these athletes consider themselves, it is great to see so many of the US's top athletes returning or staying on the scene. These guys give us experience, leadership and do a good job of setting examples, standards and keeping the pressure on the newcomers... We must continue to research in sports to see what makes George (Young) run or who else has the potential of Steve Prefontaine. We've started a Running Research Center here, and are getting graduate students, who have specific interests in various aspects of research with runners, involved in meaningful studies with old, young, men, women, champion and honker runners. We are particularly interested in attracting some outstanding graduate athletes with running research interests. □

COMPUTERIZED RUNNING TRAINING PROGRAMS

By James B. Gardner & J. Gerry Purdy

780 POINT LEVEL PACING TABLE

SPEED	REPS	REST	110 YD	150 YD	165 YD	220 YD	275 YD	330 YD	352 YD	385 YD	440 YD	495 YD
95.0%	0-1	---	11.0	15.2	16.8	22.8	29.5	37.0	40.1	44.9	53.1	1:01.6
92.5%	1-2	4-5 M	11.3	15.6	17.2	23.4	30.3	38.0	41.2	46.1	54.5	1:03.3
90.0%	2-3	4-5 M	11.6	16.0	17.7	24.1	31.2	39.0	42.3	47.4	56.0	1:05.1
87.5%	3-4	3-4 M	11.9	16.5	18.2	24.8	32.1	40.2	43.5	48.7	57.6	1:06.9
85.0%	4-5	3-4 M	12.3	17.0	18.8	25.5	33.0	41.3	44.8	50.2	59.3	1:08.9
82.5%	6-7	2-3 M	12.6	17.5	19.3	26.3	34.0	42.6	46.2	51.7	1:01.1	1:11.0
80.0%	8-9	2-3 M	13.0	18.0	19.9	27.1	35.1	43.9	47.6	53.3	1:03.0	1:13.2
77.5%	10-12	1-2 M	13.5	18.6	20.6	28.0	36.2	45.3	49.2	55.0	1:05.1	1:15.6
75.0%	13-15	1-2 M	13.9	19.2	21.3	28.9	37.4	46.9	50.8	56.9	1:07.3	1:18.1
72.5%	16-18	60-90 S	14.4	19.9	22.0	29.9	38.7	48.5	52.5	58.8	1:09.6	1:20.8
70.0%	19-21	60-90 S	14.9	20.6	22.8	31.0	40.1	50.2	54.4	1:00.9	1:12.1	1:23.7
67.5%	22-24	45-75 S	15.5	21.4	23.6	32.1	41.6	52.1	56.4	1:03.2	1:14.7	1:26.8
65.0%	25-29	45-75 S	16.0	22.2	24.5	33.3	43.2	54.1	58.6	1:05.6	1:17.6	1:30.1
62.5%	30-35	30-60 S	16.7	23.1	25.5	34.7	44.9	56.2	1:00.9	1:08.2	1:20.7	1:33.7
60.0%	36-40	30-60 S	17.4	24.0	26.6	36.1	46.8	58.6	1:03.5	1:11.1	1:24.1	----

SPEED	REPS	REST	550 YD	660 YD	880 YD	1100 YD	1320 YD	1.00 MI	1.25 MI	1.50 MI	1.75 MI	2.00 MI
95.0%	0-1	---	1:10.5	1:28.5	2:04.8	2:42.9	3:21.5	4:40.7	6:01.3	7:23.3	8:45.8	10:08.7
92.5%	1-2	4-5 M	1:12.4	1:30.9	2:08.2	2:47.3	3:26.9	4:48.3	6:11.1	7:35.2	9:00.0	10:25.1
90.0%	2-3	4-5 M	1:14.4	1:33.4	2:11.8	2:51.9	3:32.6	4:56.3	6:21.4	7:47.9	9:15.0	10:42.5
87.5%	3-4	3-4 M	1:16.5	1:36.1	2:15.5	2:56.8	3:38.7	5:04.7	6:32.3	8:01.3	9:30.8	11:00.8
85.0%	4-5	3-4 M	1:18.8	1:38.9	2:19.5	3:02.0	3:45.2	5:13.7	6:43.8	8:15.4	9:47.6	11:20.3
82.5%	6-7	2-3 M	1:21.2	1:41.9	2:23.7	3:07.5	3:52.0	5:23.2	6:56.1	-----	-----	-----
80.0%	8-9	2-3 M	1:23.7	1:45.1	2:28.2	3:13.4	3:59.2	5:33.3	-----	-----	-----	-----
77.5%	10-12	1-2 M	1:26.4	1:48.5	2:33.0	3:19.6	4:06.9	-----	-----	-----	-----	-----
75.0%	13-15	1-2 M	1:29.3	1:52.1	2:38.1	3:26.3	-----	-----	-----	-----	-----	-----
72.5%	16-18	60-90 S	1:32.4	1:55.9	2:43.6	-----	-----	-----	-----	-----	-----	-----
70.0%	19-21	60-90 S	1:35.7	2:00.1	2:49.4	-----	-----	-----	-----	-----	-----	-----
67.5%	22-24	45-75 S	1:39.2	2:04.5	-----	-----	-----	-----	-----	-----	-----	-----
65.0%	25-29	45-75 S	1:43.0	-----	-----	-----	-----	-----	-----	-----	-----	-----
62.5%	30-35	30-60 S	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
60.0%	36-40	30-60 S	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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This is a page from the section on Pacing Tables for Repetition Running in the book "Computerized Running Training Programs." The above page, 90% of actual size, shows suggested workouts for a 780-point level runner at distances from 110 yards through two miles. (The Performance Rating Tables in the book give your point level.) An athlete—regardless of his ability of his running event—can use these pacing tables to determine his daily workouts at a glance, and the overburdened coach will find the book his "right-hand" as he works out his team's training routines.

CONTENTS:

I. Introducing the Computerized System; II. How to Use the System (determining performance & workout level, validity tests); III. Example Workouts from the Pacing Tables (Work-down & step-up workouts, alternate speed workouts, how to change point levels, etc.); IV. Suggestions for the Jogger; V. Basic Concepts of Training (Nature and types of interval running, other forms of training, etc.); VI. Factors in Choosing the Workout (The performance goal, the competitive season, environment, etc.); VII. The Training Program (Role of repetition running in the overall program, the building block approach, training for the peak, programs for sprinters, long sprinters, middle distance runners, distance runners and long distance runners.); VIII. The Basis for the Tables. ENGLISH UNIT TABLES (1. Performance Rating Tables, for all distances; 2. Intermediate Times for Constant Speed Runs; 3. Reduced Speeds for Continuous Running Training; 4. Pacing Tables for Repetition Running; 5. Per-Mile Average Tables.); METRIC UNIT TABLES (Short summaries of the system in French and German. All tables given in English Unit Tables are given also for metric distances.)

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