

Track & Field News

World Wide Coverage of Track and Field

11 May 1969, Vol. 22, No. 8

Box 296, Los Altos, Calif. 94022, U.S.A.

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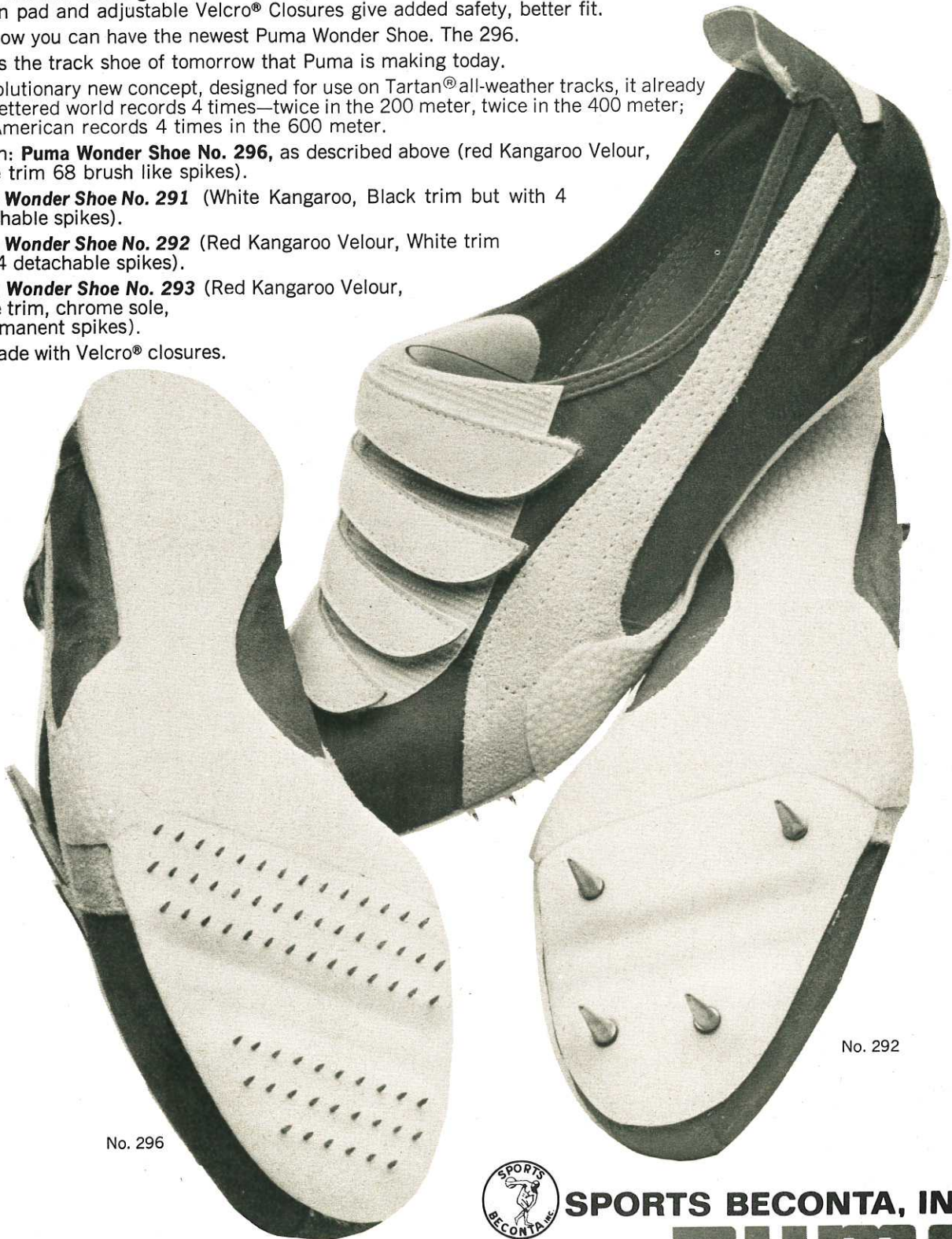
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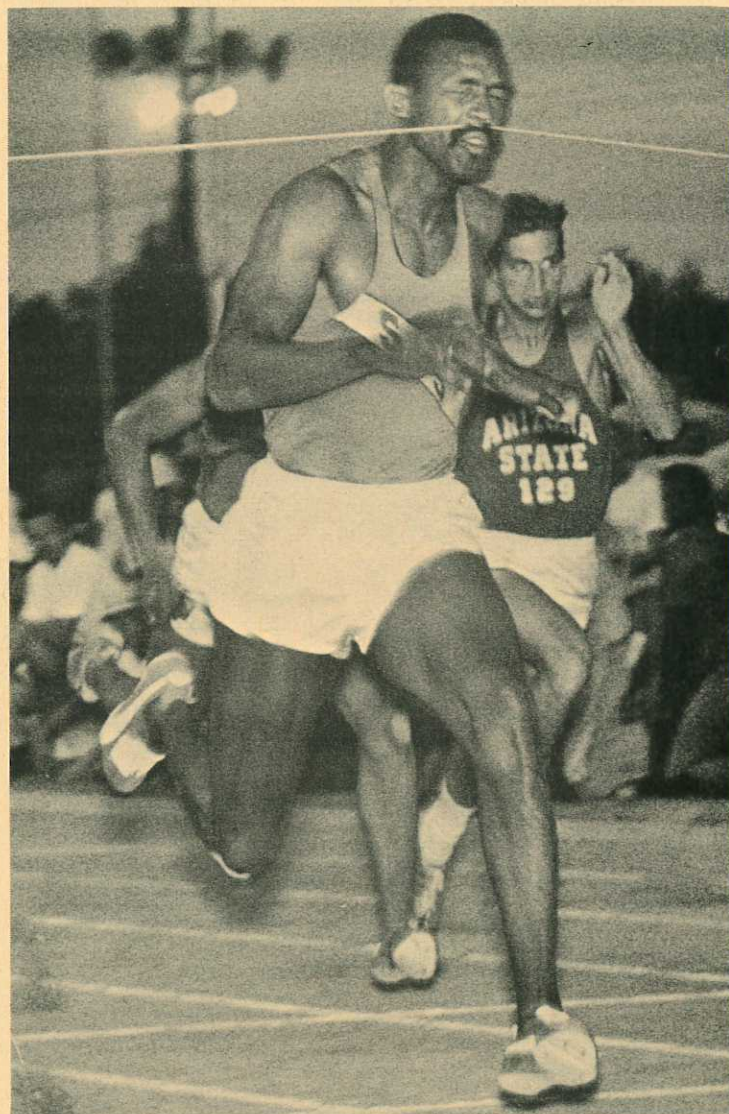
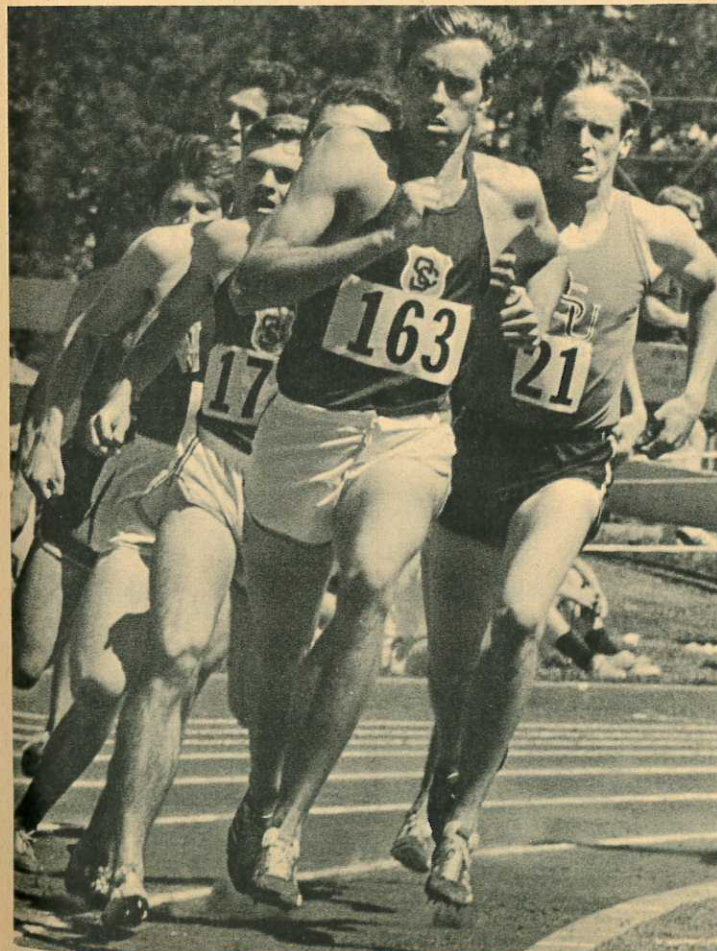
NEWS ROUND-UP

Carlos Streaks to 9.1

It was one of those brief spans of time when John Carlos and Bob Seagren took the good with the bad. Carlos, of course, got a share of the world 100-yard record, though his time at Fresno didn't completely satisfy him. Still, no one had ever run faster than his 9.1. A week and a day later at the Martin Luther King Games, John found Charlie Greene too much to handle at 100-meters and lost his first race this year. For his part, Seagren lost two straight meets to Dick Railsback. The day after Railsback beat him with 17'6 $\frac{1}{2}$ " (and came closer than anyone ever has to making 18'2 $\frac{1}{4}$ "!), Seagren took over the seasonal lead with 17'7" at the King meet.

Otherwise, as the season passed through the conference meet phase, it was a period for half-milers. Running fresh, all-out and individually for perhaps the first time all season, close to a dozen men broke 1:49.0. Fastest was Felix Johnson, who dashed 1:46.5. In the Southeastern Conference meet, James Craig had 1:48.0 and two others were under 1:49. Ray Arrington won the Big 10 with 1:48.1 as sixth was 1:49.4. Jim Ryun went 1:48.7 on the slow Big Eight track. David Matina's 1:48.1 took the Southwest title and two others were within a half-second. Seven runners did 1:49.4 or better in the PAC-8.

Record-breaking action included a 67'2 $\frac{3}{4}$ " European shot mark by East German Hans-Joachim Rothenburg, and three junior college bests at the West Coast Relays - Henry Hines' long jump, Robert Reader's TJ and Merritt JC's 440 relay. Killian of Miami, Fla., tied the prep mile relay mark.



UPPER LEFT: JACK BACHELER (left) showed West Coast Relays fans his class by winning the two-mile in 8:31.8--his best. GERRY LINDGREN, running third at this point, returned to the big-time with 8:35.4. DENNIS SAVAGE (right) was third and JOHN MASON (second here) finished fourth. (Photo by Don Chadez) LOWER LEFT: The dramatic PAC-8 half-mile had seven of the eight finalists bunched as they entered the last straight. Southern Cal's RICH JOYCE (163) and CARL TRENTADUE were one-two here, but ART SANDISON (on Trentadue's shoulder) spurted to a 1:48.9 win. JOHN LILLY (behind Sandison) was second and PAT COLLINS (behind Lilly) third. JOYCE dropped to fourth, and TERRY THOMPSON (right) was fifth. Sixth-place PETE FAIRCHILD is hidden by Thompson. (Photo by Steve Murdock) ABOVE: JOHN CARLOS gets his 100 record, or at least part of it. His mustache catches the tape at the West Coast Relays, where he ran 9.1. RONNIE RAY SMITH is behind Carlos and JERRY BRIGHT to his right. (Photo courtesy of Fresno Bee)

News Round-up

US Highlights

SWAC: Johnson 1:46.5, 46.2r, Ford 9.4, 20.6, 46.0r

Baton Rouge, La., May 9-10 (from Paul Adams)--After being tied to relay duty for most of the season leading up to the the Southwestern Athletic Conference championships, Felix Johnson and Oliver Ford apparently were eager to find out what they could do on their own. The meet on Southern's Tartan track, in calm and warm weather, provided the perfect setting.

Prairie View A&M's Johnson showed in the open half that he didn't need the running start he had been getting in his relay races, nor even anyone pushing him. After restraining himself with a qualifying 1:49.5 Friday night, Felix let loose in the final. His first half-lap took only 24.5, and he reached the quarter in 51.4. Johnson pressed on to finish in 1:46.5--this year's fastest time anywhere. Among Americans, only Jim Ryan (1:44.9), Wade Bell (1:46.1) and Morgan Groth (1:46.4) have ever done better.

Ford's heroics came in the short sprints. First, he added his speed to the otherwise all-freshman Southern 440 relay team that ran 40.0. Mack Lewis led off, and Bernard Austin and Robert Collins handled the last two legs. Then Oliver raced a 9.4 100 notable primarily because for some unexplained reason no one used starting blocks. In the 220, with blocks, Ford snipped a tenth from his best with 20.6.

After all they'd done before the mile relay, it was fitting that the meet's two big stars got together at a fairly neutral distance. Ford got a better time with 46.0, but Johnson had better teammates preceding him. His 46.2 anchor gave Prairie View a 3:08.1 to 3:09.2 victory. Thurman Boggs had a 46.7 race for the winning team, that coming after his title-grabbing 46.0 in the open 440. Prairie View's Fred Newhouse had 46.7 open and 46.8 relay.

Other highlights: 100, 2. Robert Taylor (Tex Sn) 9.4; 3. Jack Phillips (Gramb) 9.4. 440IH, Jesse Ball (P View A&M) 51.7; 2. T.C. Minor (P View A&M) 51.8. HJ, Bill McClellan (Sn) 6'10". TJ, McClellan 49'8½". 440R, 2. Prairie View A&M 40.8; 3. Grambling 40.8. MileR, Prairie View A&M (Henry Henderson 48.4); 2. Southern (Robert Collins 47.9, Ira Gordon 48.3, Rennon Gilks 47.0). Teams: Prairie View A&M 80; 2. Texas Southern 61; 3. Southern 57; 4. Grambling 46; 5. Arkansas AM&N 18.

Southwest: Mills 45.9, Matina 1:48.1, Allen 20.7

Waco, Tex., May 9-10 (by George Grenier)--Youth tended to dominate the Southwest Conference championships as freshmen and sophomores captured over half the individual titles as 6500 fans watched the 54th edition of this meet.

Texas A&M's Curtis Mills, who ran in the shadow of Texas' Dave Morton during their frosh year, made his soph year a big one by taking the 440 here and making it four out of four over Morton. Mills, in lane six, went out fast and took advantage of the wind down the backstretch to build a good lead over

Morton. Morton, well placed in lane three, closed on the turn but could not make up the lost ground in the homestretch in the teeth of a seven mile per hour wind. Mills' 45.9 was a tenth better than Morton's time.

The greatest 880 field in Southwest Conference history saw the first three runners dip under the old mark of 1:48.9 and the first four bettered their school records. The stage was set for a great race when the 7-10 mph wind died down just before the start. Dave Matina, Texas senior, and Steve Straub, Rice soph, passed the first quarter shoulder-to-shoulder in 52.6 followed by a like duo of Mike Mosley of Texas and Ronnie Garner of Baylor in 52.8. Matina, on the inside, applied the pressure on the final turn and pulled away from Straub to win in 1:48.1. Mosley overhauled the tiring Straub to take second in 1:48.3 to Straub's 1:48.6. The 10 points for Texas proved to be the turning point in the team battle as the Texans eventually pulled together 62 points to Rice's 49 and Texas A&M's 47.

Texas capped the day by setting a record of 3:07.0 in the mile relay. This time equaled Rice's and the nation's best, though Villanova topped it on the west coast that evening. Rice, which had beaten Texas five out of six, ran without Conley Brown, who blistered his feet in the 220. A fine lead-off leg of 47.4 by L. J. Cohen put Texas out in front where they had not been running before. Matina's 46.7 and Canada's 46.9 let them stay there. Morton and Rice's Dale Bernauer came off even with 46.0s. Rice took second with 3:08.3.

Ronnie Allen, Baylor soph, became the only repeater of last year's three frosh winners as he took the 220 in 20.7 from a tough field that saw Bernauer take second in 20.8 and Rockie Woods third in 20.9. As the field came out of the turn, Allen tipped his head back and lifted his knees high and pulled away to win. The wind was negligible. Woods, a freshman, took the 100 in a wind-aided 9.4.

All the long jumpers were aided by a 7-10mph wind, Carl Mills (TCU/F) winning with 25'8¾". Sam Walker, frosh strongboy from Southern Methodist, kept his steady improvement going by upping his season's best to 59'9".

Other highlights: 220, 4. Byrd Baggett (Tex/F) 21.0. 440, 3. Bill Askey (Rice) 46.5; 4. Conley Brown (Rice) 46.6; 5. Eddie Canada (Tex) 46.9; 6. Chip Grandjean (Rice) 47.0. 880, 4. Ronnie Garner (Bay) 1:49.0. 440IH, Larry Eubanks (SMU) 51.6; 2. Skip Archer (Tex) 52.0. LJ, 2. Bill Elliott (Tex) 25'3¼"w; 3. Jerry Carter (Rice) 25'1¾"w; 4. Jerry Martin (Rice) 25'0"w; 5. Charles Clifton (Tex) 24'11"w. SP, 2. Randy Nichols (Tex) 58'3½"; 3. Ronnie Mercer (Tex Tech) 57'2". JT, Louis Cardenas (Rice) 241'4". 440R, Texas A&M 40.3 (Scott Hendricks, Curtis Mills, Jack Abbott, Rockie Woods); 2. Rice 40.4 (Alan Lee, Bill Askey, Doug Belzung, Bernauer); 3. Baylor 40.5 (Jim Jasper, Clyde Peach, Jack Allen, Ronnie Allen). MileR, 2. Rice (Chip Grandjean 47.7, Bill Askey 47.6, Steve Straub 47.0); 3. Arkansas 3:10.7; 4. Baylor 3:11.0. Teams: 4. Baylor 35; 5. Southern Methodist 29; 6. Texas Tech 15; 7. Texas Christian 11; 8. Arkansas 8.

West Coast: Carlos' 9.1 Gets Him Record Action

Fresno, Calif., May 9-10 (by Corder Nelson) -- John Carlos became the fifth man to run 100-yards in 9.1, in the warm, windless twilight of the West Coast



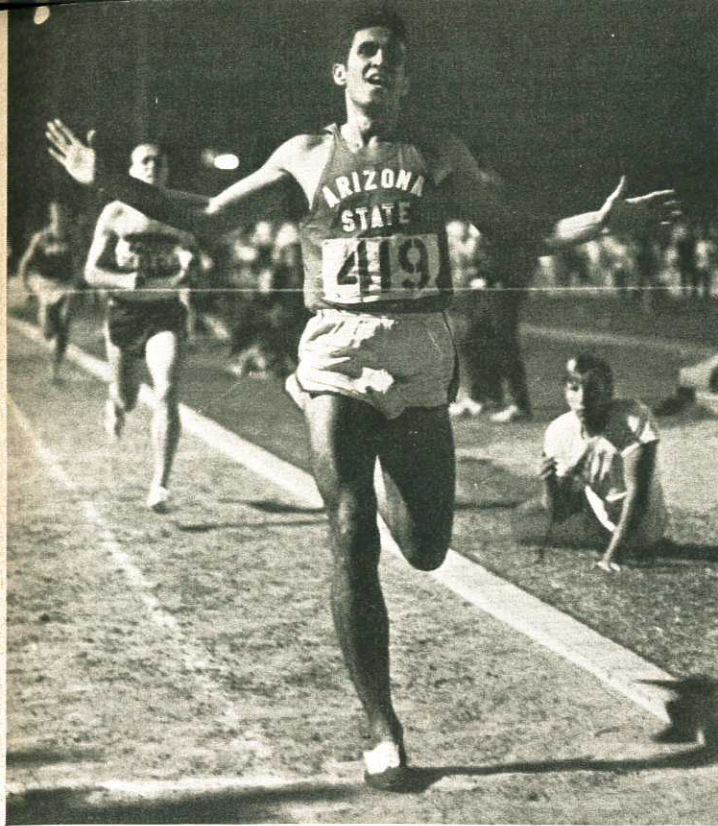
Texas' DAVID MATINA (left) and MIKE MOSLEY went one-two in the Southwest Conference 880 with bests of 1:48.1 and 1:48.3.



RON WHITNEY (left) came off the last turn all but even with the event's brightest youngster, RALPH MANN. Whitney, true to his tradition, won by a millisecond as both ran 50.5. (Photo by Don Chadez)



En route to his 8:54.0 steeple, LARRY ALBERG leads JOHN WOODWARD. (Joe Matheson, Eugene Register Guard)



CHUCK LA BENZ (right) ran 4:02.6, and the same night hurt his Achilles tendon. Nothing much was heard from him again, until the West Coast Relays. Here he's finishing his 4:00.1, beating JOHN LAWSON (4:01.0). (Don Chadez)

Relays. He anchored two winning relay teams and won the outstanding athlete award for his efforts.

The 100 began at 8:00 p.m. in 85° weather. After two false starts, the sprinters got off evenly. Carlos, who used to be a slow starter, held his own this time. Starter Tom Moore said, "He really shot out of the blocks." A new pick-up, developed under coach Bud Winter, powered him away from his 9.9 100-meter teammate, Ronnie Ray Smith.

At full speed, Carlos is an imposing sight. At 6'3" and 200-lbs., he does not give the appearance of fast leg speed, but his muscular body kept surging away from the others, and he roared through the tape more than three yards ahead. One official watch read 9-flat, and the wind was only 0.1 mph.

Somebody told Carlos he had run 8.9. Carlos threw both arms high and raced back down the track. He was disappointed when he learned he had run only 9.1. "It was an 8.9, but they wouldn't give it to me," he said. "I ran 8.9. I can tell how it felt. Those old fellows had better put down their watches and turn them over to young cats."

On the anchor leg of the 440 relay, half an hour later, Carlos came from slightly behind quarter-miler Wayne Collett of UCLA to hit the tape a little over a yard ahead in 39.7. In the 880 relay, Carlos was far out in front after a 20.4 leg by Lee Evans, and he ran his leg in 19.8, far slower than his potential. San Jose's 1:22.3 missed its own world record by only one-fifth of a second. Evans, on the second leg, took the baton a poor fourth, rushed past the others on the curve, widened the gap to five yards with his 20.4, then dove to get the baton to Smith inside their zone.

Villanova won the mile and two-mile relays in 3:06.9 and 7:18.6. They received a battle from UCLA in the mile relay. After UCLA's Len Van Hofwegen lost several yards while receiving the baton, anchor man Collett and Larry James were off even. Collett, on the inside, led until James flowed past on the backstretch, but he hung onto James' 45.0 with a game drive, losing by only two yards with a 45.5 split.

In addition to the 100 record and a tie in the 440 relay, meet records were broken in four open-intercollegiate events and Willie Davenport equaled the record of 13.5 in the high hurdles.

A highly competitive javelin event saw Frank Covelli better 258-feet on six throws. He took the lead on his last throw with 268'0", only to lose to a final throw of 275'0" by powerful Mark Murro of Arizona State. Murro had four throws over 260-feet.

Gerry Lindgren, rounding into shape after shaking off his tendon trouble, set up another meet record in the two-mile with 3:08.9 for three laps. Then lanky Jack Bachelor took over and ground out steady laps of 65. Lindgren dropped 12 yards behind on the seventh lap, then ran strongly on the last lap before giving in to Bachelor's 60.6 lap and 8:31.8 personal record (by 3.6 seconds). Surprisingly enough, Lindgren set his outdoor best here with 8:35.4.

The steeplechase record fell to Kerry Pearce of El Paso, who led all the way in 8:47.6. Edesel Garrison, Southern California freshman, tied up in the stretch but set a meet record of 46-flat for the 440.

Other noteworthy events included Dick Railsback's 17'5" victory over Bob Seagren, who did not vault until 17-feet, which he made. Jay Silvester's 200'5" discus throw defeated Al Oerter's 194'2". Ron Whitney barely held off new star Ralph Mann of Brigham Young as both clocked 50.5 for the 440 intermediates. Chuck LaBenz of Arizona State, hindered by a tendon injury, came back to win the mile in 4:00.1, his best by 2.5 seconds.

Other highlights: 100, 2. R.R. Smith 9.4; 3. Bill Gaines 9.4. Heats: I-1. Carlos 9.4. II-1. Smith 9.4. 440, 2. Jim Kemp (Ft MacA) 46.5. Mile, 2. John Lawson (P Coast) 4:01.0; 2. Bob Day (Ft MacA) 4:02.7; 4. Mark Mull-

ins (Strid) 4:03.2; 5. Wade Bell 4:05.4; 6. Ian Jones (Strid) 4:05.6. 2Mile, 3. Dennis Savage (Westmont) 8:48.6; 4. John Mason (P Coast) 8:50.6. 5000, Seppo Matela (unat/Finland) 14:30.8. 3000mSt, 2. Bob Price (Athens) 8:48.2; 3. Mike Manley (Strid) 8:51.0; 4. Gary Tuttle (Humboldt St) 8:51.8... 9. Ken Moore (Ft MacA) 9:20.0. 120HH, 2. Tom White (Strid) 13.7; 3. Paul Kerry (Strid) 13.8; 4. Dale Frederick (Ft MacA) 13.8; 5. Paul Gibson (El Paso) 13.8; 6. Ron Jessie (Kans) 13.9. Heats: I(5.0mph)-1. White 13.7; 2. Kerry 13.8. II(5.0mph)-1. Gibson 13.8; 2. Frederick 13.9; 3. George Carty (San Jose St) 13.9. III(5.0mph)-1. Davenport 13.5. 440IH, Sec I-3. Jim Wharton (Idaho St) 51.7. II-1. Randy White (Stan) 51.5. IV-1. Dave Adkins (Ft MacA) 51.6. HJ, Lorenzo Allen (Ariz/F) 7'0"; 2. Chris Celion (BYU) 7'0"; 3. Ed Caruthers (P Coast) 6'10". PV, 3. Erkki Mustakari (Fres St) 17'0"; 4. John Pannel (Strid) 17'0"; 5. Chris Papanicolaou (San Jose St) 16'6"; 6. Sam Caruthers (San Jose St) 16'6"; 7. Paul Heglar (El Paso) 16'6". LJ, Marion Anderson (San Jose St) 25'5 3/4"; 2. Gayle Hopkins (P Coast) 25'4"; 3. Stan Royster 25'3 1/2"; 4. Ron Jessie 25'1 1/4"; 5. Phil Shinnick (Strid) 25'1"; 6. Kari Palmen (BYU/F) 25'1". TJ, Mohinder Singh (Cal Poly/SLO/F) 52'3 3/4"; 2. Rick Rogers (Athens) 50'1". SP, Karl Salb (Kans) 63'1"; 2. Bruce Wilhelm (Athens) 60'8"; 3. Richard Marks (San Jose St) 58'8"; 4. Lachen Samsam (Athens) 58'7 3/4"; 5. T.C. Jones (Stan) 58'5 1/2". DT, 3. Gary Carlsen (Strid) 188'7"; 4. Larry Kennedy (Athens) 184'4"; 5. Don Tollefson (P Coast) 183'11"; 6. John Powell (San Jose St) 182'0"; 7. Mike Hoffman (BYU) 180'4". JT, 3. Les Tipton (Ft MacA) 256'2"; 4. Larry Stuart (Strid) 255'2"; 5. Roy Waddell (Ariz) 245'8"; 6. Ben Laville (Strid) 244'9"; 7. Rolf Hoppe (SF Valley St) 243'6". 440R, 3. California 40.2. 880R, 2. California 1:24.4. MileR, Villanova (Hardge Davis 47.4, Andy O'Reilly 47.6, La-motte Hyman 46.9); 2. UCLA 3:07.3 (John Smith 47.7, Andy Young 47.1, Van Hofwegen 46.1); 3. Brigham Young 3:10.3. 2MileR, Villanova (O'Reilly 1:50.5, Chris Mason 1:49.3, Marty Liquori 1:50.2, Frank Murphy 1:49.7); 2. El Paso 7:26.8. DMedR, New Mexico 9:43.2 (Gil Perea, Tomas Ericson, Dave Roberts, Web Loudat 4:07.0); 2. Chico State 9:45.0 (Duwayne Ray 4:07.2); 3. El Paso 9:45.6 (Dan Tague 1:49.1); 4. California 9:46.0 (John Drew 1:49.4, Clifton West 4:05.7). College Division: 100, Stan Allotey (LA St) 9.4. Heats: I-1. Allotey 9.4. II-1. Lorenzo Russell (Pepperdine) 9.4. 120HH, Johnny Veal (Fresno Pacific) 13.9. PV, Andy Steben (Oxy) 16'8". TJ, Singh 51'7 1/2". DT, Joe Keshmiri (Nev) 180'1". DMedR, Occidental 9:47.0 (Bill Schabram 4:03.6). Junior College: 100, Eddie Hart (Contra Costa JC) 9.4... 3. Warren Edmonson (Merritt JC) 9.5. LJ, Henry Hines (Sacramento CC) 26'2 3/4"; JCR; 2. Aaron Robinson (SD Mesa JC) 25'6". TJ, Robert Reader (Bakersfield JC) 51'10 3/4" EJCR. 440R, Merritt JC 40.5 JCR (Norbert Payton, Henry Stuckey, Larry Glenn, Edmonson); 2. San Francisco CC 40.6.

Northern: Alberg Upsets Oregon Steeplers

Eugene, Ore., May 10--Oregon did more than its share of the winning at the Northern Division championships. But the one event where the home school should have been assured a victory, if not a sweep, went to a surprising outsider. Oregon put three sub-9:00 men in the steeplechase. And one of them, Tom Morrow, appeared capable of going quite a lot faster than last week's 8:51.6. As it turned out, Morrow was a well-behind runner-up in 9:02.2. The win went to Washington State's Larry Alberg in a promising 8:54.0. Alberg, an NCAA placewinner (at six miles) in 1967 but not close to that class last year, owned a previous best of only 9:07.2.

Washington State's other resurging distance runner, Rick Riley, didn't have such good fortune. In the three-mile, the 13:32.2 winner Arne Kvalheim of Oregon all but lapped fifth-placer Riley. Oregon's Mike Lyons and Norm Trerise, both 13:59.8, were second and third here, and Oregon went one-two-three in the slow mile, Roscoe Divine and Steve Savage tying for first at 4:10.2. Not an Oregon man made the top five, though, in the tight 880 finish. Oregon State's Pat Collins ran only 1:51.2 but whipped high caliber teammates John Lilly and Terry Thompson.

Gary Knoke of Oregon severely sprained a wrist after falling in practice earlier in the week. His starting style hampered, he still beat Boyd Gittins in the intermediates, 51.6 to 52.1, and won the highs with 14.1.

Washington State's John Van Reenen continued his discus mastery over Tim Vollmer of Oregon State, 187'2" to 182'9". But in the shot Van Reenen again had trouble. John Hubbell of Washington, who has become a regular in the 62-foot range, topped the Washington Stater for the second time in two weeks, 61'10 1/2" to 58'9 3/4". Hubbell had never beaten Van Reenen before last week.

Other highlights: 100, Willie Turner (Ore St). 440R, Oregon State 40.6 (Steve Davis, Greg Marks, Ernie Smith, Turner). HJ, Dick Fosbury (Ore St) 6'10". LJ, Tom Smith (Ore) 25'2 1/2" w; 2. Bill Henry (Wash St) 25'1" w. DT, 3. Zig Strauts (Ore) 179'1". Teams: 1. Oregon 86; 2. Washington State 75; 3. Oregon State 72; 4. Washington 25.

Southeastern: Coffee 45.6, Craig 1:48.0

Knoxville, Tenn., May 16-17 (from Art Jester)--Runners were especially peppery in the spiciest of all Southeastern Championships, staged on Tennessee's all-Tartan facilities in sprinkly, 70° weather. Tennessee athletes gave the hometown Saturday crowd of 4500 plenty to cheer about, but it was a Louisiana State freshman who produced the outstanding performance of the meet.

Al Coffee, a 9.5, 20.9 sprinter with a 46.2 relay split, moved up to the open quarter for this competition after a season of leg injuries in the shorter events. And all he did in his first major test in the event was establish the leading mark in the world for 1969, of 45.6. Tennessee's Hardee McAlhany went out fast only to die on the homestretch, where Coffee was ready for the test. Tennessee's Gary Womble hung on gamely, and finished two-tenths back in 45.8--his best-ever by a full second. McAlhany held on for a seasonal low of 46.1.

Big time jumps were also the rule in the two-lapper as three relative



LSU frosh AL COFFEE's first major 440 effort was spectacular--his 45.6 took the SEC title and leads the world.



Minnesota's ED TWOMEY lowered his PR to 1:48.8 in nabbing second in the Big 10 half-mile.

newcomers put the pressure on one-time prep record holder, Larry Kelly of Tennessee. Teammate James Craig, whose best by a second came in the heats with a 1:49.5 clocking, let Kelly lead through a quarter of 53.0 before popping into the fore at the first turn of the last lap. Craig powered home the winner in 1:48.0 as Kelly finished seven-tenths back. Florida's Bob Lang and Eamonn O'Keefe both sliced their bests by over a second, to 1:48.7 and 1:48.8.

Save for the 51.0 intermediate hurdles win by Jerry Fannin of Florida and the 14:13.0 three-mile victory by Vic Nelson of Kentucky, Tennessee captured the remaining running events. Gary Wagner picked up firsts in the short sprints with times of 9.4 and 21.0, neither wind-assisted. More PRs came in the mile, as Dave Scire and Dickie Kleier, whose bests of 4:09.2 and 4:08.1 had come indoors, raced to clockings of 4:04.9 and 4:05.2. Kleier led through the 1320 in 3:05.0 and into the homestraight but couldn't hold on for the victory. Richmond Flowers, slow to get started this season, clocked a 1969 best of 13.5 into a 3 mph wind. Freshman teammate Bill High moved from the status of a 14.0 performer to a legal 13.6 hurdler for second here. Steve Keltner ran third in 14.0 after a legal 13.9 trial. Tennessee took both relays, in 40.3 and 3:09.5--the latter with a 46.0 assist from McAlhaney. Coffee was credited with a 45.6 as LSU ran 3:12.0.

Tennessee was also hot in the field events. Bill Skinner came within less than three-feet of his best in the javelin with a toss of 265'9". Robert Sprung improved his best height by $\frac{3}{4}$ " to 16'6 $\frac{3}{4}$ " in the vault and Jeff Gabel triple hopped 49'5". And Florida's Ron Jourdan returned to his 7-foot ways with a 7'0" victory over Lonnie Hance of Tennessee (6'10").

Tennessee captured its 6th consecutive outdoor title and its 16th in indoor, outdoor and cross country competition with a 118 $\frac{1}{2}$ point win over Florida (53) and LSU (43). The day following the meet, Tennessee coach Chuck Rohe announced he had turned down an attractive package at Alabama, sixth here.

Other highlights: 120HH, Heats: I (wind ok)-1. High 13.8. II (wind ok)-Flowers 13.5. 440IH, 2. Steve Keltner (Tenn) 52.0. LJ, Mike Burton (Fla) 24'6" (wind ok). SP, Chip Kell (Tenn) 56'2 $\frac{1}{2}$ ". DT, John Morton (Wisc) 170'5". 440R, 2. LSU 40.4; 3. Auburn 40.8.

Big 10: Arrington 1:48.1, 4:04.1; Highbaugh Wins 4

Lafayette, Ind., May 16-17 (from Bob Brennan)--The minds of Wisconsin's middle-distance runners weren't on anything more than the job at hand here, yet their work hinted that a mighty fast two-mile relay might be coming a week later at Modesto. Ray Arrington, in particular, was smoking. Within about a 45-minute period, he pulled in Big 10 mile and 880 titles.

Just like at the conference indoor meet two months ago, Arrington saved himself somewhat with a businesslike 4:04.1 mile. Both he and sophomore teammate Don Vandrey, runner-up at 4:05.4, were peeking around at the end. Ray had a big task facing him in the half-mile just over a half-hour later. In the race were Olympian Ron Kutschinski of Michigan and Final Olympic Trials runner Ralph Schultz of Northwestern. Arrington was running sixth at the quarter, and even at the 660 a front group of five still had daylight on him. Rounding the turn into a stiff wind, though, the Wisconsin senior turned on his miler power. He sailed past everyone and into the tape at 1:48.1. Those in his wake: 2. Ed Twomey (Minn) 1:48.8 PR; 3. Roger Merchant (Mich St) 1:49.3 PR; 4. Kutschinski 1:49.3; 5. Schultz 1:49.4, and 6. Gary Thornton (Wisc) 1:49.4 PR. Thornton is supposedly Wisconsin's fourth-best half-miler.

Wisconsin sophomore Mark Winzenried skipped the half for the 660. After fleeing past the 440 in 47.8, Mark plowed into the wind for a final 1:16.4. He came back with a mid-47s leg on the winning 3:10.8 mile relay team.

Indiana's Larry Highbaugh spread himself around even more than Arrington. Three times he took individual titles and he helped his 440 relay unit to another. In both short sprints, Highbaugh found the headwind to his advantage. The football player easily outran smaller teammate Mike Goodrich in both the 100 (9.6 to 9.8) and 220 (21.0 to 21.4). Highbaugh went a windy 24'7 $\frac{1}{2}$ " to win the long jump and anchored Goodrich, Ken Lundgren and Jim Ricks to the school's best 440 relay time of 40.1.

Wisconsin marched out fine hurdlers of all varieties. Mike Butler battled the pesky wind for a 13.9 highs win. In the intermediates, Pat Murphy improved by 1.4 seconds with 51.4 after coming from fourth to first in the home-stretch. Sophomore Fred Lands, whose previous steeple best was 9:27.0, got a surprising 9:00.6 victory. Not surprisingly, Wisconsin won the team title.

In the quarter, the first three all got career bests as Bill Wehrwein of Michigan State ran 46.2 to win, and Larry Floyd (Wisc) and Carl Frazier (Ia) followed in 46.8. Floyd had led off the last turn.

Minnesota sophomore Tim Heikkila high jumped 7'0" for the second time and beat another hot Big 10 soph, Gary Hauptert of Indiana, by two inches.

Other highlights: 3Mile, Dean Martell (Wisc) 14:07.6. 120HH, 2. Larry Midlam (Mich) 14.0; 3. Murphy 14.0. 440IH, 2. Dick Bruggeman (Ohio St) 51.9. PV, Tom Phies (Wisc) 15'6". TJ (windy), Mike Bond (Wisc) 50'4 $\frac{1}{4}$ ". SP, Jeff McLellan (Ill) 57'9". DT, Rich Fuhs (Ind) 169'11". MileR, Wisconsin (Bucky Hewlett, Floyd, Winzenried, Mark Kartman). Teams: 1. Wisconsin 80; 2. Indiana 64; 3. Michigan 32; 4. Michigan 27; 5. Ohio State 20; 6. Illinois 18; 7. Minnesota 17; 8. Iowa 16; 9. Purdue 6; 10. Northwestern 2.

Big 8: Ryun Atones With 1:48.7; Whitley Hot

Ames, Iowa, May 16-17 (from Jim Henderson)--Jim Ryun's last 880 experience in Iowa had been a none too pleasant one. In a move no discerning track fan who knew the circumstances judged him too harshly for, Jim had dropped out two-thirds of his way through his Drake Relays sprint medley leg. He acquitted himself quite nicely for that at the Big Eight championships here, dashing twice around the water-logged track in 1:48.7.

A time this fast couldn't have been much less likely. After perfect weather Friday, 1 $\frac{1}{2}$ inches of rain flooded the facilities that night, and the temperature hovered around 48° the second day. The conditions slowed the sprinters and hurdlers measurably. First for Ryun came the formality of the mile. Leading much of the way, he paced through perfectly even laps of 63.0, 63.0, 63.0, then stuck on a 59.9 finale for his 4:08.9 victory.

The 880 came just 40 minutes afterward. Through a quarter of it, Ryun didn't show much spark. Only one man in the final field of nine trailed him at halfway as Jim had 55.5. He leaped to life right after that, though, and passed everyone by 150 yards later. Showing a strength-filled drive the whole last lap, Ryun covered it in 53.2.

It was the Kansan's jumping-sprinting teammate Stan Whitley, though, who got the athlete-of-the-meet vote. In Friday's calm warmth, Stan stretched to a personal best (by a half-inch) of 26'1" in the long jump. Saturday, he played a part on Kansas' winning 40.9 440 relay team and placed in the 100, 220 and triple jump. In the triple, Nebraska's NCAA champ Lennox Burgher got his first important win of the outdoor season with 50'3 $\frac{3}{4}$ ".

Outside of Mel Gray's double sprint triumph, 9.5 in the 100 and 21.0 in the 220, it was primarily Kansas athletes who provided the highlights and who piled up 180 $\frac{1}{2}$ points to top runner-up Missouri by 102 $\frac{1}{2}$ ". On Friday, Doug Knop raised his discus PR by an even three feet with 192'8". Then Saturday, on a ring that had been under water just a couple of hours earlier, Kansas got its habitual shot sweep: Karl Salb 60'2 $\frac{3}{4}$ ", Steve Wilhelm 59'5 $\frac{1}{4}$ ", Knop 59'4 $\frac{1}{4}$ ".

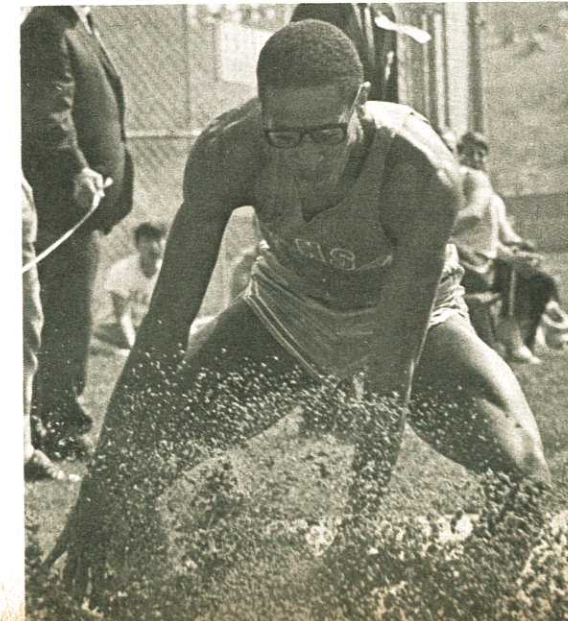
The hottest of the winners might have been Bob Bornkessel. He only ran 52.7 in the intermediates, but he got his first victory since enrolling at Kansas last fall. He and Dennis Cotner of Oklahoma approached the last barrier together, but Cotner smacked it, stumbled and dropped to third in 53.1.

Other highlights: 440, Garth Case (Nebr) 48.0. 880, 2. Dan Morran (Nebr) 1:50.0. Heats: Bob Barratti (Kans St/F) 1:49.8. 3Mile, Glenn Ogden (Mo) 13:57.6. 120HH, George Byers (Kans) 14.2. 440IH, Heats: Joe Orduna (Nebr) 52.0. HJ, Ray McGill (Kans St) 6'10". PV, Dave Bussabarger (Colo/F) 15'7 $\frac{1}{4}$ ". TJ, 2. Ken Gaines (Kans) 50'4 $\frac{1}{4}$ ". 3. Ken Brauman (Ia St) 49'8 $\frac{3}{4}$ ". DT, 2. Salb 174'3"; 3. Wilhelm 171'0". JT, Mike Ross (Kans St) 236'7". MileR, Nebraska 3:13.5. Other teams: 3. Nebraska 69; 4. Kansas State 55; 5. Oklahoma State 45 $\frac{1}{2}$; 6. Colorado 42; 7. Oklahoma 30; 8. Iowa State 25.

Pacific 8: Railsback 17'6 1-4"; Miller 9.3w, 20.7

Corvallis, Oregon, May 16-17 (from Bob Payne and Bob Brachman)--Wayne Collett and Co. arrived in town quietly and with little fanfare for the annual production of the Pacific Eight conference championships, but, at the curtain, they ran off with the laurels and the applause.

Collett contributed 18 points to the efforts of the UCLA road show company and with superb performances from Len Van Hofwegen, Dick Railsback and Denny Rogers, it surprised strong foes Southern Cal and Oregon State to walk off with the team title with 98 points. Oregon was just two points shy of the winners, Washington State was third with 87 $\frac{1}{2}$. Southern Cal and Oregon State, both 8-0 this year, were fourth and fifth with 84 and 70 $\frac{1}{2}$.



STAN WHITLEY nabbed athlete-of-the-meet laurels at the Big Eight meet after his 26'1" long jump win and placing in the triple jump and both sprints. (Photo by Don Chader)



Washington State's STU HUNNINGS, throwing here at the Pac-8, got an all-time Canadian best of 257'8" and the meet title. (Steve Murdock photo)



Eighty yards along in the Pac-8 100, LENNOX MILLER (center) is still getting a good tussle from teammate FRED KULLER (left). Miller squeezed home ahead in a windy 9.3, and WILLIE TURNER (right) came up to deadheat Kuller for second. Cal's DAVE MASTERS (192) and JOE RICHARDS (199) trail. (Steve Murdock)

Collett was injured in the first final Saturday, the 440 relay, but still got second in the 440 behind teammate Van Hofwegen and pulled young Andy Young to third for a UCLA sweep, then got a gritty third in the 220 and ended a gummy day with a customary strong mile relay leg.

Railsback upset Bob Seagren in the pole vault, getting 17'6 $\frac{1}{2}$ " on his first try and then getting one good crack at 18'3 $\frac{1}{2}$ ". Railsback didn't miss until the world record height and got his body over before brushing the bar off. Both he and Seagren passed until 16'6", but after making 17'0", Seagren could not get over 17'6 $\frac{1}{2}$ " to defend his title. When asked why he had the bar put up past 18-feet instead of just over the world record of 17'9", Railsback replied, "You can set a world record but lose it, but no one can ever take it away from you when you clear a barrier like 18-feet."

Southern Cal got workhorse performances from sprinters Lennox Miller and Fred Kuller, Miller winning both with a windy 9.3 and a legal 20.7. Kuller and Willie Turner fought to a dead-heat in the 100, both also clocking 9.3. Kuller later held off Collett's gritty run in the furlong, both doing 20.7. Kuller and Miller also did 20.7 in the heats. They turned in their usual effective sprint relay duty, as SC won in 39.8. Oregon State was just a tenth back, but, somehow, lead-off man Steve Davis ran his entire leg in the wrong lane and the resulting disqualification moved UCLA (40.3) up to second.

Collett, after slightly pulling a hamstring in the relay, eased through the quarter in 46.9 for second as Young was third with the same time. Van Hofwegen turned on in the stretch and won fairly easily in 46.4.

The 880 marked the beginning of the end for any of Southern Cal's title hopes. Dick Joyce led at the quarter, but the likes of John Lilly, Terry Thompson, Carl Trentadue and Art Sandison were all within five yards. At the top of the last turn, Trentadue moved up nearly even with Joyce, but Sandison was on the outside and flying. The Washington Stater held on for a 1:48.9 win, with Lilly a tenth back, OSU's Pat Collins at 1:49.1 and Joyce fourth in 1:49.2. Trentadue fell back to seventh in 1:49.5 and Howard Becker was never in it in eighth. All three had been 1:48.7 or better this season.

Denny Rogers came through with a last-jump 50'10" to take the triple jump for an unexpected UCLA victory. Steve Marcus threw 62'3 $\frac{3}{4}$ " for second in the shot as Washington's John Hubbell won with a PR 62'11 $\frac{1}{2}$ " which held up from Friday's prelims. The long jump's first four all came through with PRs: 1. Tom Smith (Ore) 25'8 $\frac{3}{4}$ "; 2. Bill Henry (Wash St) 25'6" w; 3. Charlie Olds (Ore St) 25'2 $\frac{1}{2}$ "; 4. Jerry Whitaker (Ore St) 25'2 $\frac{1}{4}$ " w. John Van Reenen came up with one good discus throw both days but it was the 194'1" that beat Tim Vollmer's 193'6". Gary Knoke ran a smooth 50.9 as Boyd Gittins encountered difficulty on every hurdle and ran only fifth in 52.5. Arne Kvalheim was another easy Oregon winner, taking the three-mile with 13:39.4. Dick Fosbury got the first-ever 7-foot jump at Bell Field for his victory, Larry Almborg of Washington State lowered his steeple PR for the eighth straight week with 8:51.6 to edge Oregon's Tom Morrow, same time, and WSU's Stu Hunnings got a Canadian javelin best with 257'8".

Other highlights: 220, 4. Larry Scheurer (Wash St) 20.8; 5. Turner 20.8; 6. Ernie Smith (Ore St) 20.8. 880, 5. Thompson 1:49.2; 6. Pete Fairchild (Stan) 1:49.4. Mile, Roscoe Divine (Ore) 4:06.7. 3Mile, 2. Norm Tre-rise (Ore) 13:44.6; 3. Rick Riley (Ore) 13:49.4; 4. Mike Lyons (Ore) 13:52.4. 3000mSt, 3. Jim Barkley (Ore St) 8:54.4; 4. John Woodward (Ore) 9:04.4; 5. Brook Thomas (Stan) 9:04.8. 120HH, Rick Tipton (Stan) 13.9. 440IH, 2. Herm Franklin (So Cal) 51.5; 3. Randy White (Stan) 51.5; 4. Kim Hoelting (Wash

51.9. PV, 3. Jon Vaughn (UCLA) 16'6". TJ, 2. Tom Massey (Stan) 50'1 $\frac{1}{2}$ " ok. SP, 3. Mark Ostoich (UCLA) 61'9"; 4. Van Reenen 60'11"; 5. Russ Hodge (UCLA) 60'11"; 6. Tom Colich (So Cal) 60'2"; 7. Dave Murphy (So Cal) 59'11 $\frac{3}{4}$ ". Special HT, Steve DeAutremont (Ore St) 191'8"; 2. Tony Tenisci (Wash St F) 183'9". JT, 2. Tom Colby (Stan) 253'1"; 3. Gary Pennington (Cal) 246'10". 440R, 3. Cal 40.4; 4. Wash St 40.6. MileR, UCLA 3:09.5 (Joe Rippering, Collett, Young Van Hofwegen 45.6); disq, Wash St 3:09.9 (Scheurer 45.9). Other teams: 6. Stanford 50 $\frac{3}{4}$; 7. California 37; 8. Washington 24.

Ty Terrell: Bernauer's 45.3 Anchors Rice to 3:06.1

Beaumont, Tex., May 17 (from Jack Shepard)--Temporarily without the baton services of 46.5 graduating senior Conley Brown, Rice's mile relay quartet still managed to slice eight-tenths off the nation's leading time as they put together a 3:06.1 clocking at the second annual Ty Terrell Relay.

Bill Askey, a recent third claimant to the school record of 46.5, led off the event in 46.9 to lead easily, but Oliver Ford put Southern into a yard lead at the end of the second exchange with a 45.4 effort to Rice's Chip Grandjean carry in 46.9. Steve Straub put it out of sight for Rice with a 46.0 and Dale Bernauer capped the relay with a solo 45.3. Prairie View ran 3:08.2 with the help of a 45.6 from Felix Johnson, who earlier won the half in 1:50.0. Southern came home in 3:11.1. Ford and three other Southern freshman copped the 440 relay in 40.3, three-tenths ahead of the Houston Striders.

A track slowed by two days of rain held most of the times from headline status. Andy Hopkins ran a 9.4 100 reportedly assisted by an 8.3 mph breeze (but which may have been legal), as Texas Southern freshman Robert Taylor was second in 9.4. Three others did 9.5. Ford zipped to a legal 20.9 furlong. Texas' one-two duo in the Southwest Conference half met with less success here, as Mike Mosley moved up to the mile where he placed third in 4:07.0 behind the 4:06.2 of George Harrison (Texas Southern) and David Matina slipped down to the quarter where he lost a close to Lamar Tech track clubber Jackie Colbert as both ran 46.9.

Other highlights: HJ, Stan Curry (Baylor 6'10"). SP, James Bagby (P View) 59'6 $\frac{1}{2}$ "; 2. Ronnie Lightfoot (Tex A&M) 57'1 $\frac{1}{2}$ "

PCAA: Carlos, Smith Excused; Evans 45.8

Long Beach, Calif., May 17 (from John Wenos)--No school but San Jose State could, or possibly would, give two world record holding sprinters a vacation from their conference meet. "The track was too treacherous. We lost a man this morning (Sam Davis), and with a big meet tomorrow it's too big a gamble for John Carlos and Ronnie Ray Smith to run," coach Bud Winter said. "They left with my permission." So Carlos and Smith took off for the Martin Luther King Games, much of the luster left the first Pacific Coast Athletic Association championships. All they ran were slow 220 heats--Carlos 22.0 and Smith 22.7.

One San Jose world recordman, however, remained and took it upon himself to be the meet's star. Lee Evans boomed through an easy-looking 45.8 quarter on the slow, rough track--his best this year by a second. Later, Lee won the 220 in a legal 21.0, and later yet he fairly walked a 50.3 anchor on the winning mile relay team that had 3:18.7.

A couple of San Jose Staters had trouble. Chris Papanicolaou lost to Erkki Mustakari of Fresno State in the vault, 16'0" to 15'4". And step-trou-

bled Marion Anderson lost only his second competitor of the year, placing seventh at 22'2".

Other highlights: 3000mSt, Darold Dent (San Jose St) 9:08.2. SP, Richard Marks (San Jose State) 59'4". DT, John Powell (San Jose St) 180'11". JT, Andy Barnett (Pacific) 239'10". Teams: 1. San Jose State 185; 2. San Diego State 138; 3. Fresno State 84; 4. (tie) Long Beach State & Pacific 61; 6. UC Santa Barbara 37; 7. Los Angeles State 12.

King Freedom: Seagren 17'7"; Greene Tags Carlos

Villanova, Pa., May 18 (from Jim Dunaway)--Bob Seagren battled the wind and Charlie Greene battled John Carlos and the victories of all three highlighted the first Martin Luther King Freedom Games here.

Greene, still smarting after his defeat by Carlos in history's first 9.0 (albeit a wind-aided one), showed the same mid-race pick-up that Carlos had in their earlier meeting at San Jose and edged Big John over 100-meters, each clocking 10.1. Carlos got a poor start but was even with Charlie by 50-meters. Charlie shifted gears and was able to hold off Carlos' big rush. Ronnie Ray Smith was third a tenth back.

Later in the 200-meters, Carlos bulled around the turn and then simply powered to a 20.3 win. Visiting Australian Peter Norman, who beat Carlos in the Mexico Olympic final, said, "He caught me about the same place I caught him at the Olympics and that was it." With a three to four yard lead going into the straight, Carlos was never threatened by Lee Evans and Tommie Smith, who each ran 20.5 in second and third. RR Smith did 20.9 for fourth while Norman ran a 21.1 sixth. Carlos collected the athlete-of-the-meet honors, the fifth consecutive time this season he has been selected outstanding performer in a major meet.

Seagren, fresh from a defeat the day before at the PAC-8 meet, regained the world lead he lost to Dick Railsback's 17'6 1/4". Bob went 3/4" higher and had to use all the gymnastic ability in his possession to out-manuever the tricky winds which played havoc with the jumpers all day. Tennessee's Bob Sprung sprang over 16'6" for second.

Willie Davenport and Olympic teammates Leon Coleman and Erv Hall tangled in the highs and Willie forged into the world lead, although it cost him some blood enroute. Mid-way through the race, Hall's spike caught Willie's left hand, opening a gash that was worth four stitches later at a hospital. It hardly seemed to phase Davenport who powered on to a 13.3 win, as Coleman ran a fine 13.4 and Hall was another tenth back.

Jack Bachelor ran a seemingly effortless 5000 in 13:57.4, battling the 80° heat as well as the wind. Herb Germann had the most left in the stretch of the 800 and won in 1:48.8 as Frank Murphy, who ran 4:00.5 yesterday, was two-tenths back. Pace-setter Joe Savage of Catholic High in Roselle, N. J., ran a fine 1:50.6 in sixth after a 53.0 quarter. Larry James nipped Jim Burnett, 45.9 to 46.1. Al Oerter had no trouble winning the discus at 201'0" as several throws over 200-feet went unmeasured. Ralph Boston jumped 24'9" for fourth in his last competition and then took up a microphone as an interviewer for CBS television.

A notable record for the walk fans: Dave Romansky covered a mile in an American record 6:26.1 breaking the old mark of 6:29.6 set by F. P. Murray in 1883.

Other highlights: 100m, 4. Bill Gaines (unat) 10.4. 400m, 3. Jim Kemp (Ft MacA) 46.5. 800m, 3. Brian Kivlan (Manh) 1:49.2; 4. Pete Farrell (NYAC) 1:49.5. 1500m, Marty Liquori (Vill) 3:43.3. PV, 3. John Pannel (Strid) 16'0". LJ, Norm Tate (GSB) 25'3 3/4" ok; 2. Charley Mays (GSB) 25'1"; 3. Bob Beamon (unat) 24'11 1/2". DT, 2. Dick Drescher (Md) 183'4". 440R, San Jose State 40.3 (Sam Davis, Kirk Clayton, RR Smith, Carlos). MileR, Villanova 3:10.1; 2. Grand Street Boys 3:11.7; 3. Philadelphia PC 3:11.8 (Jim Burnett 45.7).

World Highlights

The young European outdoor season has produced its first continental record. Hans Joachim Rothenburg of East Germany hurled the shot 67'2 3/4" at East Berlin May 14 to top the 66'6 3/8" mark of the USSR's Eduard Gushchin. Rothenburg's mark now puts him sixth among all-time performers with only Americans Randy Matson, Neal Steinhauer, George Woods, Dallas Long and Dave Maggard ahead of him.

In other action, East German Bernd Diessner clocked 3:39.8 for 1500-meters, Ludvik Danek threw the discus 202'4 1/2" and Britain's Tim Johnston's won an invitational marathon at Karl-Marx-Stadt in 2:15:31.

Frosh JC Highlights

The California junior collegians, already enjoying a superb year, had another great day at the West Coast Relays when two national marks tumbled and another was tied. Sacramento CC's Henry Hines claimed the long jump record, and the national open lead, with his 26'2 3/4". He eliminated the oldest JC standard, Ernie Shelby's 26'1 1/4" set in 1956. Merritt JC, which already had a share of the 440 relay record at 40.7, brought it down by two-tenths. Norbert Payton, Henry Stuckey, Larry Glenn and Warren Edmonson got an argument from San Francisco CC, which ran 40.6. Bakersfield's Robert Reader came in for an unexpected triple jump mark when he exploded to 51'10 3/4". His previous best was just under three feet less.

Merritt JC sprinter Warren Edmonson ran on two winning relay teams but was beaten in both sprints at the Northern Cal JC championships. Eddie Hart of Contra Costa sprinted a 9.5 100 to edge Edmonson by a tenth and then San Jose CC's Mike Miller edged Warren in the 220, 20.8 for both. Edmonson anchored Merritt's victorious 40.9 sprint team and was part of the winning 3:14.7 mile team. Sacramento CC's national leader Henry Hines long jumped 24'9 1/2". At the Southern Cal JC meet, Jim Seymour hurdled 52.0, Vic Dias and Bob Richards vaulted 16'0" and Steve Lang (East LA) high jumped 6'10".



Soph DAVE TUCKER triple jumped 50' 1/2" at Fresno, the best legal prep mark this year. (Don Chadez photo)



East Germany's HANS-JOACHIM ROTHENBURG threw 67' 2 3/4" for a European shot record. (L'Equipe)

Prep Highlights

Fresno, Calif., May 9 (by Fran Errota)--Dave Tucker, 16-year-old soph at San Joaquin Memorial High School, was voted the outstanding prep athlete at the 43rd annual West Coast Relays after startling 6500 spectators with a spectacular 50' 1/2" leap in the triple jump.

The 6'0", 170-lb., 10th grader became the third best prep in history and also claims class and age marks. The wind reading was only 2.5 mph for his record second leap. His series included 47'10", 50' 1/2", 48'8 1/2" and 46'10 3/8" before passing his last two tries. The jump came just two days after Harry Freeman (Santa Clara) had registered a windy 50'7 3/4". However, only two marks in prep annals officially rank over Tucker's: 51'8" by Mike Woods (Manual Arts, LA) in 1963, and Bob Beamon (Jamaica, NY) 50'3 3/4" in 1965.

Other highlights: 100 (3.9 mph wind), Garland Burks (Fres Edison) 9.6. 120 HH (39'; 4.8 mph), Jerry Wilson (Fres Roosevelt) 13.8. HJ, Steve Clark (North, Bakersfield) 6'8". LJ (nwi), James Allen (Tulare) 24'2 3/8". 2MileR, Castlemont, Oakland (Gary Blackmon, Joe Morgan, Albert Baker, Nathan Burks 1:51.9) 7:56.0. DistMedR, Burlingame 10:22.0.

Late News

The newest 9.0 man is Willie Richardson of Southern Illinois. We don't have any wind information on the race yet, but it doesn't really matter. The race at Des Moines, Ia., turned out to be only 87-yards long.

Of the legitimate marks recorded on May 16 and 17, the best outside meets reported elsewhere in this issue came in the Athens-Pacific Coast dual at Berkeley. As National Guardsmen patrolled the streets outside the stadium, men with spears had a big day inside. Frank Covelli upped his seasonal javelin best to 273'6", second only to Mark Murro's 275'7" on the year's world list. John FitzSimons threw 250'3" and John Kaveny 240'2". Other highlights included a 61'1 1/4" shot put by Bruce Wilhelm while beating Lahcen Samsam, 59'3 3/4". The close discus competition resulted in these marks: Gary Ordway 182'6"; 2. Larry Kennedy 181'4"; 3. Miles Lister 180'2". Lincoln Jackson triple jumped 50' 3/4", and on the track Paddy McCrary opened his intermediates season with a 52.0 win and John Mason ran a 13:53.2 three-mile.

Some of the Western Athletic Conference's top athletes tuned up for their title meet May 23-24 at an all-comers meet in Flagstaff, Ariz. Brigham Young athletes looked sharp. Tom Bonin won the highs at 13.9, Kari Palmen long jumped 25'10 1/2" (and BYU's fourth-best man John Robinson went 24'9"), Mike Hoffman took the discus at 181'1" and Juhani Nummela had 242'3" in the javelin. Jeff Horsley, Arizona State freshman who hasn't competed for his school since early March, got a 9.4 100. No wind information is known on this or any of the affected events. Mike Markham vaulted 16'6" for a PR.

The big non-reported meet in the east involved Villanova, Maryland and Quantico. Career bests included Rich Drescher's 188'3" discus toss and Jack Hanley's 61'2" shot put. The mile had Frank Murphy beating John Baker, 4:00.5 to 4:01.6, and Tom Donnelly finishing third in 4:03.0--his best. Erv Hall high hurdled 13.8. Dave Reiss flipped the javelin 247'3".

Neal Steinhauer, who reportedly was injured the week of the West Coast Relays, rebounded in fine style with 65'7" in the Fort MacArthur-Striders dual. Carl Wallin had 59'8". Tom Jones dashed a 9.4 100 and Dale Frederick went 13.8 in the highs (no wind info).

Top marks in the Big Sky Conference showdown were a 181'2" discus throw by Rick Smith (Idaho) and a 245'2" javelin effort by Mike Lyngstad (Mont).

Records Altered

These record alterations have been reported since last issue. W=world record. A=American. C=collegiate. JC=junior college. HS=high school. "=" equals record; E=European.

MileR	3:11.8	=HS	Killian, Miami, Fla	Gainesville, Fla	5/10
LJ	26'2 3/4"	JC	Henry Hines (Sac CC)	Fresno, Calif	5/10
TJ	51'10 3/4"	=JC	Robert Reader (Bak JC)	Fresno, Calif	5/10
440R	40.5	JC	Merritt JC	Fresno, Calif	5/10
100	9.1	=W, =A, =C	John Carlos (San Jose St)	Fresno, Calif	5/10
SP	67'2 3/4"	E	Hans-J Rothenburg (EG)	Berlin, EG	5/14

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US Outdoor Report

by Dick Drake and Joe Henderson

The following report includes the country's leading performers and their marks received by May 16. The lists go up to 50-deep in most events, with more details on all performances since the last report by leading individuals and relay teams. Events affected by wind are handled this way. Marks verified as legal or windy go in the proper category. When definite information is lacking, they go under "Incomplete wind info". Performances listed as "Questionable" also are awaiting verification, or their validity is doubted for one reason or another.

Symbols: *=new mark since II April report. n=non-winning time. w=wind-aided. i=incomplete wind information. h=heat. s=semifinal. *m=metric time converted upward. q=field event qualifying mark. 'f=foreign athlete living in the US. /F=freshman on varsity team full-time. F=freshman not on varsity. /S=special event. /C or /CD=college division. /O=open division. /JC=junior college division. /HS=high school division. /G=guest competitor. =time recorded en route to longer distance.

Meet abbreviations: SAC=all-comers meet. Dog=Dogwood Relays. ND or Nn=Northern Division. SAC=Mt. SAC Relays. SJ=San Jose Invitational. SWAC=Southwestern Athletic Conference. SWC=Southwest Conference. WC=West Coast Relays.

Here are the world records, with American records noted when different, as of Feb. 1, 1969: 100y, 9.1; 100m, 9.9; 200m, 19.8; 220y, 20.0; 400m, 43.8; 440y, 44.8; 800m, 1:44.3; AR 1:44.9; 880y, 1:44.9; 1500m, 3:33.1; Mile, 3:51.1; 2Mile, 8:19.8, AR 8:22.0; 3Mile, 12:50.4, AR 12:53.0; 5000m, 13:16.6, AR 13:33.8; 6Mile, 26:47.0, AR 27:11.6; 10,000m, 27:39.4, AR 28:17.6; 3000mSt, 8:24.2, AR 8:30.6; 120y & 110mHH, 13.2; 400mH, 48.1, AR 48.8; 440yH, 49.3, AR 49.6; HJ, 7'5³/₈", AR 7'4¹/₂"; PV, 17'8¹/₂"; LJ, 29'2³/₈"; TJ, 57'2³/₈"; AR 55'1³/₈"; SP, 71'5³/₈"; DT, 218'3³/₈"; HT, 242'0", AR 235'11"; JT, 301'9³/₈"; AR 284'8"; Dec, 8319, AR 8230; 440yR, 38.6; 880yR, 1:22.1; MileR, 3:02.8, AR 3:03.5; 2MileR, 7:14.6, AR 7:17.4; 4MileR, 16:09.0; SMedR, 3:15.2; DMedR, 9:33.4; 480yHHR, 55.4.

100 YARD DASH

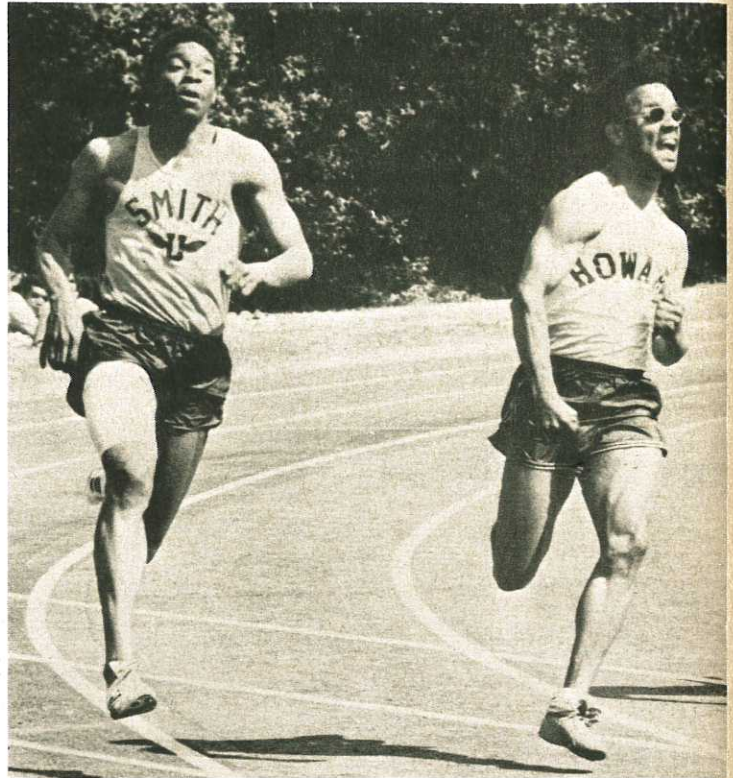
The 100 has picked up considerably since last month's report when there was only one legal 9.3 (or faster) time to list. Now, there are 11 with marks of at least that standard and all but Charlie Greene's and Mel Gray's 9.3s represent life-time bests. Most notable newcomers are midwesterners (by school anyway) Mike Goodrich of Indiana and Earl Harris of Oklahoma State, at 9.2. As of May 14, there were 74 sprinters with legal (wind ok) marks of 9.5 or faster... Leader of leaders, of course, is John Carlos with a world record equaling 9.1 that may rank as the fastest of four others as he had the assistance of only 0.1 mph wind. He is undefeated in nine finals... Missouri's Gray won the triple midwest relay carnival crown in the 100.

1. John Carlos, San Jose St (9.5 Dog; 9.2 SAC; 9.0wSJ; 9.4h, 9.1 WC) 9.1*
2. Mike Goodrich, Ind (9.2 Drake R; 9.4n v Wis, Ohio S; 9.5nw v Wis) 9.2*
- Earl Harris, Okla St (9.2 v Wichita St; 9.5n Dr R; 9.5i v Okla) 9.2*
4. Warren Edmonson, MerrittJC (9.3hw, 9.3; 9.5wi, 9.4; 9.4hw, 9.5n) 9.3*
- Mike Fray, El Paso 9.3
- Mel Gray, Mo (9.3, 9.3n Kans R; 9.3h, 9.4 Drake R; 9.4 v Kans St) 9.3
- Charles Greene, unat (9.3 Kans R; 9.4 Drake R; 9.3nw San Jose Inv) 9.3*
- Larry Highbaugh, Ind (9.3hw, 9.5n Dr R; 9.3 Tri; 9.4w v Wisc) 9.3*
- Andy Hopkins, Hous Strid (9.3 v LSU) 9.3*
- Mickey Mathews, Kans (9.3n Drake R; 9.5 v Sn III) 9.3n*
- Randy Montgomery, Weber St (9.3 v Boise St; 9.3w v Nn Ariz) 9.3*
- 9.4, Stan Allotey' (LA St), *Ken Burroughs (Tex Sn), Jackie Colbert (Lamar Tech/F), Ivory Crockett (Sn III/F), *Willie Deckard (LACC), Oliver Ford (Sn), *Bill Gaines (unat), Eddie Hart (Contra Costa JC), *Doug Hawken (Glendale CC, Ariz), Earnest Haynes (Tex A&I/F), Jacob Henry (Sul Ross St), n*Albert Hughes (Wichita St), Bill Hurd (N Dame), nHarrington Jackson (El Paso/F), Lennox Miller' (Sn Cal), n*William Miller (Hous Strid), n*Norbert Payton (Merritt JC), n*Jack Phillips (Gram), n*Phillip Reaves (Fresno CC), Lorenzo Russell (Pepperdine), nRonnie Ray Smith (San Jose St), Rober Taylor (Tex Sn), n*Rockie Woods (Tex A&M/F). 9.5, n*Bernard Austin (Sn/F), Seaborn Bowens (Cal HS), Cliff Branch (Wharton JC), nJerry Bright (Ariz St), *Herman Carter (Fisk), Al Coffee (LSU/F), *Josh Collins (Clemson), nBob Daniels (Tex A&I)m Roy Davis (Tex HS), Albert Hearvey (Cal HS), Jerry Hill (Ohio St), nJeff Horsley (Ariz St), *Bob Kerr (Rutgers), *Don King (La Tech), Fred Kuller (Sn Cal), n*Jeff Litvak (Okla St), Phil Lusk (Tex HS), n*Dave Masters (Cal), Julio Meade' (Kans), Robert Medlock (ACC), *Roland Merritt (Md), n*Danny Moore (E LA CC), Donnie Morris (Tex HS), n*Jack Morrison (Pacific), Rufus Odem (Trinity), nClyde Peach (Baylor), Gene Pouncy (Tex HS), *Joe Profit (NE La St), Ernie Provost (Hayward St), n*Dave Reeves (Inland Empire AC), Reggie Robinson (UCLA), nGary Thacker (BYU), Gerald Tinker (Fla HS), *Willie Turner (Ore St), *Lionel Urgan (N Car C), n*John Warden (SW Tex St), *Jackie White (Cal HS), n*Stan Whitley (Kans), n*Jerry Williams (Athens)

Incomplete wind info: 9.4, n*Vernon Guest (Ark St), *Larry Jourdan (SF Austin St), *David Perkins (Ariz HS), *Jerry Proctor (Redlands), *William Ritchie (Howard), *Bobby Steck (SF Austin St/F), Ben Vaughn (Ga Tech), *Floyd Williams (N Car C).

Wind-aided: 9.0, *John Carlos (San Jose St). 9.2, *Bob Brown (unat), *Bill Gaines (unat). 9.3, Ronnie Allen (Baylor), nDale Bernauer (Rice), Cliff Branch (Wharton JC), Ken Curl (Tex HS), *Eddie Hart (C Costa JC), Jacob Henry (Sul Ross St), *Don King (La Tech), *Lennox Miller' (Sn Cal), n*Ronnie Ray Smith (San Jose St). 9.4, *Preston Carrington (Butler Co JC), Kirk Clayton (San Jose St), n*Roger Dunn (McNeese St), Merlin Eck (SMU), Albert Hearvey (Cal HS), Jerry Hill (Ohio St), Bobby James (B Green St), n*Fred Kuller (Sn Cal), Roland Merritt (Md), nClyde Peach (Baylor), n*Reggie Robinson (UCLA), *John Smith (Tex HS).

Questionable: 9.4, Gerald Tinker (Fla HS). 9.5, Don Christianson (NY HS),



VINCE MATTHEWS (left), who has tried only one hard quarter this spring, didn't even run his specialty in the Central Intercollegiate AA championships. Here is his 220 race in that meet, which he won in 21.0 from WILLIAM RITCHIE. Ritchie later led off Howard's mile relay with 46.4. (Albert Session)

*Harris (North Idaho JC).

220 YARD DASH

Lennox Miller and John Carlos are both undefeated in all their 100-220 races this spring. And at least timewise, the two have switched roles--Miller coming up with the faster furlong time and Carlos vastly improved in the 100-over last year. The two will meet, if all goes well, at the California Relays... Phototimer pictures from the US Final Olympic Trials and the Olympic Games reveal that, at least electrically, Tommie Smith's 19.8 in Mexico was faster than Carlos' 19.7 at Tahoe as the phototimer shots had 19.83 to 19.92... Mike Fray was injured at the Drake Relays, and hadn't run since (through mid-May).

... Both High twins were injured in the same 220 race--Carl fell and Rusty pulled a muscle... Washington State's surprise 20.7 sprinter, Steve Hoover, a 9.8 sprinter in high school, turned in his cheer-leader outfit to turn out for a track outfit after a stint at Claremont. He ran 31.7 (300) indoors this winter. ... Fred Kuller is enjoying his finest year since 1965 when he sprinted 9.3 and ran for the US international team. And the furlong may now be his best event.

1. Lennox Miller', Sn Cal (21.0 v Stan; 20.3 v Wash St; 20.7 v UCLA) 20.3*
2. John Carlos, San Jose St (20.5 San Jose Inv) 20.4
3. Oliver Ford, Southern (20.6 SWAC) 20.6*
4. Ronnie Allen, Baylor (21.1w Quad; 20.9hi, 20.7 SWC) 20.7*
- Mike Fray', El Paso (20.7 AC/El Paso) 20.7*
- Steve Hoover, Wash St (20.7n v Sn Cal) 20.7n*
- Fred Kuller, Sn Cal (20.9n v Wash St; 20.7n v UCLA) 20.7n*
8. Dale Bernauer, Rice (21.1nih, 20.8n SWC) 20.8n*
- Wayne Collett, UCLA (20.8n v Sn Cal) 20.8n*
- Lorenzo Russell, Pepperdine 20.8
- 20.9, nRussell Coe (Pepperdine), nRoger Colglazier (ACC/F), Warren Edmonson (Merritt JC), *Mel Gray (Mo), Phil Lusk (Tex HS), Julio Meade' (Kans), n*Larry Scheurer (Wash St), Ronnie Allen (San Jose St), n*Rockie Woods (Tex A&M/F). 21.0, Stan Allotey' (LA St), n*Byrd Baggett (Tex/F), Clifton Forbes' (Neb), *Doug Hawken (Glendale CC, Ariz), Larry Highbaugh (Ind), *Thomas Hill (Ark St), *Curtis Mills (Tex A&M), n*Reggie Robinson (UCLA), n*Robert Taylor (Tex Sn), Andy Young (UCLA). 21.1, n*Bill Askey (Rice), Jerry Bright (Ariz St), nMike Goodrich (Ind), *Jacob Henry (Sul Ross St), n*Terry Holbrook (Kans St), Bill Hurd (N Dame), Greg Marks (Ore St), *Randy Montgomery (Weber St), *Joe Pouncy (Tex HS), *John Smith (UCLA F), *Gerald Tinker (Fla HS).

Incomplete wind info: 20.6, Ed Roberts' (Spts Intl). 20.9, *Eddie Hart (Contra Costa JC). 21.0, *Earnest Haynes (Tex A&I/F), *Vince Matthews (JC Smith), *Ernest Williams (Tex Sn/F), *Ken Burroughs (Tex Sn), *Jesse Johnson (Phoenix JC), *Ben Vaughn (Ga Tech).

Wind-aided: 20.3, John Carlos (San Jose St). 20.5, *Edsel Garrison (Sn Cal F). 20.6, Mike Goodrich (Ind). 20.7, n*Lee Evans (San Jose St), *Randy Montgomery (Weber St), n*Jerry Williams (Athens). 21.0, *Cliff Branch (Wharton JC), n*Tom Jones (Ft MacArthur), Curtis Mills (Tex A&M), *Dick Murray (Citadel), *John Smith (Tex HS), n*Red Raymond (Tex HS), *Jim Reed (Amherst). **Questionable:** 20.9, *Dahl (Spokane JC). 21.1, n*Peck (Spokane JC).

Half of UCLA's PAC-8 champion mile relay team trade the stick against Southern Cal. ANDY YOUNG (left) sped a PR 46.9 for third in the conference quarter, while vastly-improved LEN VAN HOFWEGEN won the title with 46.4 and then ripped a 45.6 relay leg. Van Hofwegen has a flat best of 45.9 and the mile team has clocked 3:07.3. (Photo by Don Chadez)



440 YARD DASH

New marks this past month of 45.8 by Edesel Garrison and 45.9s by Curtis Mills and Len Van Hofwegen represent career lows. Van Hofwegen reportedly is a straight-A student in engineering at UCLA... Lennox Miller put together a 47.1 relay split vs. Oxy... Leading quarter-mile relay splits, all since the last US Report: Lee Evans 44.5, Larry James 45.0 (and 45.1), Vince Matthews 45.1, Dave Morton 45.4 and Wayne Collett 45.5.

1. Wayne Collett, UCLA 45.8
- Edesel Garrison, Sn Cal F (46.8; 46.7 SAC; 45.8 v UCLA; 46.0 WC) 45.8*
3. Curtis Mills, Texas A&M (46.2 Drake R; 45.9 SWC) 45.9*
- Len Van Hofwegen, UCLA (46.7 v Cal; 45.9 v Sn Cal) 45.9*
5. Thurman Boggess, Prairie View A&M (46.0 SWAC) 46.0*
- Dave Morton, Texas (46.0n SWC) 46.0n*
7. Harold Francis, Ark AM&N (47.0s SWAC; 46.1) 46.1*
- Larry James, Villanova 46.1
9. Ron Freeman II, Ariz St 46.3n
10. Fred Newhouse, Prairie View A&M (46.7n SWAC, 46.4) 46.4*
- 46.5, n*Bill Askey (Rice), Clyde Glosson (Hous Strid), n*Jim Kemp (Ft MacArthur), *Larry Lewis (Idaho St), n*John Smith (UCLA F). 46.6, n*Conley Brown (Rice), n*Roger Colglazier (ACC/F), *Scott Peterson (Utah), *Ed Roberts' (Spts Intl). 46.7, *Jim Burnett (Phil PC), *Jesse Johnson (Phoenix JC), *Tommy Turner (Murray St), *Bill Wehrwein (Mich St). 46.8, Lee Evans (San Jose St), n*Ron Taylor (Utah), Gary Womble (Tenn). 46.9, *Larry Black (Fla HS), n *Eddie Canada (Tex), Ron Couser (Ore), Warren Edmonson (Merritt JC), Seyon Harrell (N Car A&T), *Eddie Tilton (Colo). 47.0, n*Garth Case' (Nebr), n*Chip Grandjean (Rice), *Henry Henderson (Prairie View A&M), nHardee McAlhany (Tenn), *Henry Smothers (Ark AM&N), nJim Ward (Athens).

880 YARD RUN

Many schools have had a stable of top half-milers but most have been limited to relay duty without much opportunity for open halves. Southern Cal, however, already has three under 1:49.0: Carl Trentadue 1:48.0, Richard Joyce 1:48.6 and Howard Becker 1:48.7... Of the top 10 here, only the times of Trentadue and Art Sandison do not represent career bests... Felix Johnson and Byron Dyce have both been turning in a series of fast two-lap splits, but Felix took on an open half and claimed a 1:46.5 clocking--to rank fourth on the all-time US list. Like virtually all his relay legs, Felix's open time was a solo... Leading 880 relay splits, all since the last report, are Mark Winzenried 1:46.6, Felix Johnson 1:47.0 (and 1:47.3), Ken Swenson 1:47.2, Joe Quigley 1:46.9 and Dyce 1:46.8... Texas' David Matina has been nicknamed "Moose" because of his strength; he lacks stretch speed so he relies on a fast pace.

1. Felix Johnson, Prairie View A&M (1:49.5h, 1:46.5 SWAC) 1:46.5*
2. Carl Trentadue, So Cal (1:49.8; 1:48.0 v Wash St; 1:48.3 v UCLA) 1:48.0*
3. David Matina, Texas (1:48.8 Quad/Waco; 1:48.1 SWC) 1:48.1*
- Art Sandison, Wash St (1:50.2 v Ore; 1:48.1n Sn Cal; 1:49.4v Wash) 1:48.1n*
5. Mike Mosley, Texas (1:49.5n Quad/Waco; 1:48.3n SWC) 1:48.3n*
6. Bob Martin, Wash St (1:48.4n v Sn Cal) 1:48.4n*
7. Rich Joyce, Sn Cal (1:49.8n v Wash St; 1:48.6n v UCLA) 1:48.6n*
- Steve Straub, Rice (1:48.6n SWC) 1:48.7n*
9. Howard Becker, Sn Cal (1:50.2n v Wash St; 1:48.7n v UCLA) 1:49.0n*
10. Ronnie Garner, Baylor (1:49.5n Quad; 1:49.0n SWC) 1:49.5*
- 1:49.4, *Brian Kivlan (Manhattan), *Ralph Schultz (NWn). 1:49.5, *Juris Luzins (Wm & Mary), Frank Murphy' (Vill), Leon Webster (P Coast). 1:49.6, *Jim Neihouse (Kans), *Ed Twomey (Minn). 1:49.9, *Wade Bell (Ore TC), *John Lilly (Ore St), n*George Scott' (P Coast). 1:50.1, n*Dennis Savage (West-

mont), n*Cornelius Shoaf (Gramb). 1:50.2, *Jay Elbel (UCSB), Gerry Hinton' (Sn III).

ONE MILE RUN

Chuck LaBenz, a 4:05.0 miler last year as a soph at Arizona State, reduced his career and seasonal best of this year from 4:02.6 to 4:00.1--a time which leads the nation's milers. It came in his biggest competitive triumph to date, a win at the West Coast Relays. In that same race, Mike Mullins, a 4:09.3 miler last year for Pasadena CC but now representing the Striders, clocked 4:03.2 for fourth place... In his first outdoor race of the year, Gerry Lindgren raced through a 4:09.0 mile with a 1:59.0 last half and 58.5 final quarter... Jim Ryun, who now runs between 13 and 15 miles per day since marrying this winter and suffering along with blisters and bad knees, says of his current track routine: "It hasn't changed much since I've been married. But I spend a little less time; my workouts are more concentrated. I run as fast as the others in my afternoon workouts but at shorter intervals"... Did you know that: 1) Brian Kivlan avoided the possibility of getting a California sunburn in the four big meets last summer by sunning on the top of his Bronx house roof top, 2) Marty Liquori's high school coach, Fred Dwyer, first noticed his future protege as a prep freshman when he observed his natural style, asked who he ran for, and was told to look at his team's tee-shirt on his chest, and 3) Byron Dyce no longer has room on his living room mantle for all his trophies and medals?... Ryun has the top relay mile split of 3:57.6, second only to his 3:55.6 two years ago on the all-time (?) list. He also has a 4:01.2, which tops the times by Howell Michael 4:02.5, Liquori 4:02.9, Bill Schabram 4:03.6 and John Baker 4:03.9.

1. Chuck LaBenz, Ariz St (4:00.1 West Coast R) 4:00.1*
2. Arne Kvalheim', Oregon (4:00.8 v Ore St) 4:00.8*
3. John Lawson, P Coast (4:05.9n Kans R; 4:01.0n WCR) 4:01.0n*
4. Jack Bachelor, Fla TC 4:01.3
5. Roscoe Divine, Oregon (4:01.4n v Ore St) 4:01.4n*
6. Bob Day, Ft MacArthur (4:02.7n West Coast R) 4:02.2
7. Tom Morrow, Oregon (4:03.0 v Stanford) 4:03.0*
8. Mike Mullins, Striders (4:03.2n West Coast R) 4:03.2n*
9. Howell Michael, Wm & Mary 4:03.3
- George Scott', P Coast 4:03.3n
- 4:03.5, John Baker (Md). 4:03.6, Barry Brown (NYAC). 4:04.0, *Ole Oleson (Sn Cal). 4:04.5, *Don Vandrey (Wisc). 4:04.6, *Al Sanford (Stan). 4:05.3, Leonard Hilton (Hous). 4:05.4, *Wade Bell (Ore TC). 4:05.6, n*Ian Jones (Strid). 4:05.2, *Jim Crawford (Harding). 4:05.8, n*Ray Arrington (Wis); Manuel Quintanar (Ariz St). 4:06.0, n*Bruce Bowman (Sn Cal).



William & Mary sophomore HOWE L MICHAEL has reduced his mile best to 4:03.3, and has a 4:02.5 relay mark.



SID SINK, primarily a steepler in 1968, has developed well on the flat. He won Penn's two-mile and has 28:50.6 for six.

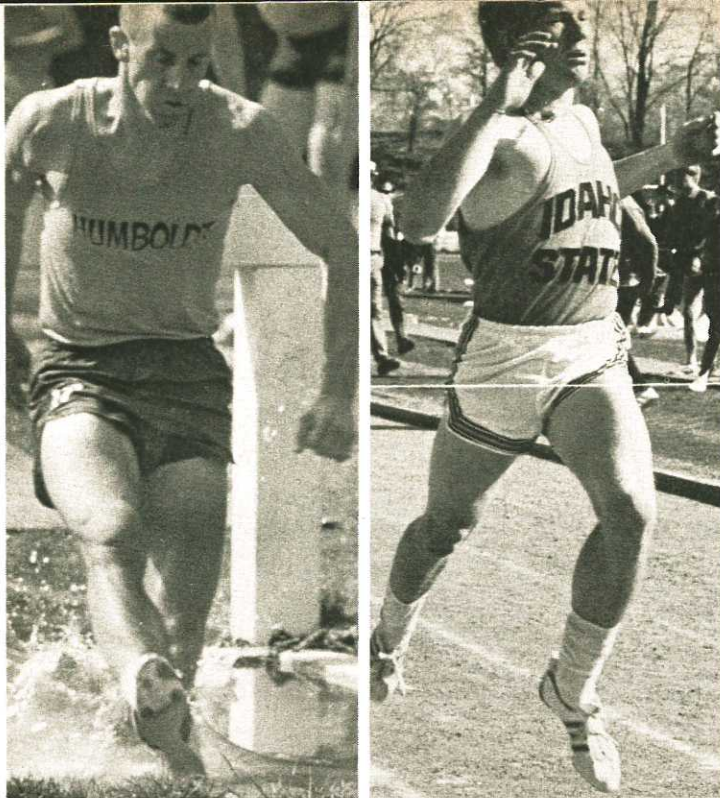
TWO MILE RUN

Jack Bachelor became the sixth fastest US two-miler of all-time with his 8:31.8 victory at the West Coast Relays, where Gerry Lindgren also posted an outdoor low for his career of 8:35.4... Oregon State's Jim Barkley, who turned in life-time bests of 9:09.4 in the steeple and 8:54.2 for two-miles in a dual meet point effort against Cal, turned up injured the following week and was unable to compete.

1. Jack Bachelor, Fla TC (8:31.8 West Coast R) 8:31.8*
2. Gerry Lindgren, unat (8:35.4n West Coast R) 8:35.4n*
3. Arne Kvalheim', Oregon (8:48.8 v Wash St) 8:39.6
4. Steve Prefontaine, Ore HS (8:41.6 Corvallis R) 8:41.6*
5. Rick Riley, Wash St (8:51.0 v Wash) 8:45.2
6. Ole Oleson, Sn Cal 8:45.4
7. Sid Sink, Bowling Green St (8:47.6 Penn R) 8:47.6*
8. Dennis Savage, Westmont (8:48.4n West Coast R) 8:48.4n*
9. Alan Robinson', Sn Illinois 8:49.6
10. Frank Shorter, Yale (8:50.2n Penn R; 8:50.8 Heps) 8:50.2n*
- 8:50.6, n*John Mason (P Coast). 8:51.2, Andy Russell (Lipscomb). 8:51.6, Jerry Jobski (Ariz St). 8:52.2, Jeff Marsee (Sn Cal). 8:52.4, Kerry Pearce' (El Paso). 8:53.0, nSeppo Matela' (unat). 8:53.2, nManuel Quintanar (Ariz St). 8:53.4, Oscar Moore (Sn III). 8:53.8, Charlie Schrader (Md). 8:53.0, n*Carl Hatfield (W Va). 8:54.2, *Jim Barkley (Ore St), nBob Bertelsen (Ohio U), n*Spen- cer Lyman (Ore St). 8:54.4, Ian Jones (Strid), *Steve Savage (Ore), n*Norm Trerise (Ore). 8:54.8, nJohn Kennedy (Strid). 8:55.0, nBill Brown (Tulane/F). 8:55.4, nMike Mullins (Strid). 8:56.4, n*Mike Lyons (Ore). 8:56.8, n*Dave Pottetti (Harv). 8:57.0, n*Art Dulong (Holy Cross), n*Bill Schabram (Oxy). 8:57.2, n*Ron Stonitch (CW Post). 8:57.4, Chuck Menz (Stan). 8:57.6, nRalph Gamez (San Jose St). 8:58.0, nDan Preston (UCLA).

THREE MILE RUN

Jack Bachelor, who certain track buffs rated an excellent chance of having scored a surprise in the Olympic 5000-meter final before he turned up ill



After two earlier sub-9:00 races in little meets, GARY TUTTLE plunged his steeplechase PR to 8:51.8 at Fresno. (Photo by Ken Lybeck)

Not only do the Rocky Mountain states claim co-hurdle leader Ralph Mann, but they have fourth-ranked JIM WHARTON, Idaho State's 51.3 man.

the day before the big test, has the fastest times this year of all US natives in the two-, three- and six-mile lists... Jim Ryan's three-mile time reported in the I May T&FN of 13:24.4 was actually 13:29.4.

1. Arne Kvalheim', Oregon (13:45.4 v Stan; 13:32.2 Northern) 13:23.2
2. Jack Bachelier, Fla TC (13:25.2; 13:47.0° during six-mile Drake R) 13:25.2*
3. Jim Ryan, Kansas (13:29.4 v Sn Ill) 13:29.4*
4. Ole Oleson, Sn Cal 13:35.4n
5. Norm Trerise', Oregon (13:59.8n Northern) 13:39.0n
- 13:40.2, *Dave Ellis' (En Mich). 13:41.4, nTom Morrow (Ore). 13:44.0, Ken Breen' (El Paso). 13:44.2, n*Jerry Richey (Pitt). 13:44.8, n*Van Nelson (unat). 13:45.2, Gary Tuttle (Humboldt St). 13:47.0, *Rick Riley (Wash St). 13:47.4, Chuck Schuch (NM). 13:47.6, nKerry Pearce' (El Paso). 13:48.0, n Glenn Ogden (Mo). 13:48.2, nKerry Hogan (Mo/F). 13:49.0, Bob Waldon (Cal). 13:49.6, nRich Elliott (Kans/F). 13:49.8, nAndy Herrity' (Sn Cal). 13:50.2, *Larbi Oukada' (Ft Hays St/F). 13:50.6, *Tarry Harrison (Colo St), *Alan Robinson' (Sn Ill). 13:51.4, Dan Preston (UCLA). 13:51.6, nPaul Trueman (NW La St). 13:52.2, John Kennedy (Strid). 13:52.4, *Art Coolidge (Kent St), Seppo Matala' (unat). 13:52.6, nKenny Link (ACC). 13:54.2, nGreg Brock (Stanford). 13:55.8, n*Dave Compton (Drake), *Ken Leonowicz (Mich St). 13:56.0, n*Oscar Moore (Sn Ill). 13:56.2, n*Ken Howse (Ill), n*Van Rose (Kans St). 13:56.4, *Tom Hoffman (Whitewater St). 13:56.6, nHartzell Alpizar (UCLA). 13:57.2, n*Mike Lyons (Ore). 13:57.6, n*Mike Kelly (unat). 13:58.0, nDennis Delmott (Emporia St), Carl Hatfield (W Va). 13:58.6, n*Bob Bertelsen (Ohio U). 13:59.4, n*Jerry Tighe' (Whitworth). 14:00.0, nEric Sigmont (Houston/F).

SIX MILE RUN

Jack Bachelier improved by about 30 seconds as he ran 27:30.0, and Tom Hoffman sliced his best by nearly 40 seconds to register 28:24.0... The Drake Relays accounted for the top seven times in the US this year.

1. Jack Bachelier, Fla TC (27:30.0 Drake R) 27:30.0*
2. Dave Ellis', En Mich (28:20.0n Drake R) 28:20.0n*
3. Tom Hoffman, Whitewater St (28:24.0n Drake R) 28:24.0n*
4. Dan McKillip, El Paso (28:39.2n Drake R) 28:39.2n*
5. Jerry Tighe', Whitworth (28:46.0n Drake R) 28:46.0n*
- 28:49.6, n*Van Nelson (unat). 28:50.4, n*Ken Breen' (El Paso/F). 28:50.6, Sid Sink (Bowling Green St). 28:58.2, nGrant Colehour (En Ky). 29:03.4, n*Andy Russell (Lipscomb). 29:05.0, n*Vic Nelson (Ky). 29:08.0, nBob Bertelsen (Ohio U). 29:10.6, Rich Woelk (Strid). 29:29.2, **Ken Moore (Ft MacArthur). 29:32.2, n*Gerry Garcia (Hous Strid). 29:40.2, n*Bruce Mortenson (Ore TC). 29:44.4, *Craig Runyan (Colo). 29:45.2, n*Lynn Lee (Drake/F). 29:48.4, *Elliott Evans (Drake). 29:49.0, n*Tom Bache (S Diego TC). 29:50.4, n*Dave Compton (Drake). 29:50.8, nPhil Captain (Taylor). 29:52.2, *Byron Lowry (San Jose St). 29:52.4, *Art Coolidge (Kent St). 29:55.0, n*Bob Deines (Oxy).

3000 METER STEEPLECHASE

Chris McCubbins' 8:43.8 steeple at the 4th Army Championships was the only mark from the competition to make a US qualifying standard--and it leads the US... Check the succession of steeple times by Larry Almberg (Washington State) this spring: 9:32.2, 9:28.6, 9:27.0, 9:22.0, 9:10.2, 9:07.2 and 8:54.0--to snatch the Northern Division title from the usually hungry Oregon athletes... Barry Brown ran a 4:06.7-9:07.8 mile-steeple double at Dogwood... In his first effort, Dave Smith, brother of Tracy, ran the steeple in 9:12.8 and has since improved to 9:05.4... Kerry Pearce, a 4:18/9:24 miler/two-miler off training runs

- of 180 miles a week before coming to El Paso, is still Wayne Vandenburg's top distance runner but the school now has depth with Dan McKillip and Ken Breen.
1. Chris McCubbins, Ft Sam Houston (8:43.8 4th Army Chmps) 8:43.8*
 2. Mike Manley, unat (8:46.8 Mt SAC; 8:51.0n West Coast) 8:46.8*
 3. Kerry Pearce', El Paso (8:56.4 Drake R; 8:47.6 West Coast) 8:47.6*
 4. Bob Price, Athens (9:03.0n Mt SAC; 8:48.2n West Coast) 8:48.2n*
 5. Barry Brown, NYAC (9:07.8 Dogwood R; 8:51.6 Marine Corps) 8:51.6*
 - Tom Morrow, Oregon (8:51.6 v Ore St; 9:02.2n Northern Div) 8:51.6*
 7. Gary Tuttle, Humboldt St (8:56.6 Tri; 8:51.8n West Coast) 8:51.8n*
 8. Larry Almberg, Wash St (9:07.2 v Wash; 8:54.0 Northern Div) 8:54.0*
 9. Dave Pottetti, Harv (8:54.6 Greater Boston) 8:54.6*
 10. Tom Donnelly, Vill (8:54.8n Marine Corps) 8:54.8n*
 - 8:55.8, Jack Bachelier (Fla TC). 8:57.0, n*Jim Barkley (Ore St). 8:57.4, Hal Jackson (Ore). 8:59.4, nJim Gorman (Ore), Ken Silvious (En Ky). 8:59.6, n*John Woodward (Ore). 8:59.8, *Jerome Liebenberg (Wn Mich). 9:03.8, n*Lew Dahlin (Ore St). 9:04.6, n*Ron Pettigrew (Pepperdine). 9:05.0, *Dave Campbell' (En Mich/F). 9:05.4, *Dave Smith (UCLA). 9:06.0, *Conrad Nightingale (unat). 9:06.2, Ken Snowden (Miami/O). 9:06.6, n*Darold Dent (San Jose St). 9:08.2, nSid Sink (Bowling Green St). 9:09.0, Paul Mattingly (Kans). 9:09.6, nBruce Mortenson (Ore TC). 9:09.8, Brook Thomas (Stanford).
- No water jump: 8:56.2, *Don Leedy' (Ohio U), *Jerome Liebenberg (Wn Mich). 9:06.4, Mark Gardner (Pacific). 9:08.4, n*Steve Nelson (Tenn). 9:08.6, n* Dave Hein (Wn Mich).

120 YARD HIGH HURDLES

Willie Davenport is still the unquestioned leader here... A couple of newcomers may warrant watching: Thomas Hill of Arkansas State has run legal times of 13.8, 13.9, 14.0 and 13.6 plus wind-informationless 13.7 this season, while Herman Franklin of Southern Cal has twice claimed 13.7s. Franklin has often been a workhorse, having achieved 13.7, 24'7 1/2", 52.2 and an anchor on the 440 relay team against Washington State.

1. Willie Davenport, Hous Strid (13.5 Pelican; 13.8; 13.5h, 13.5 WCR) 13.5*
2. Leon Coleman, Strid (13.6 Dogwood) 13.6*
- Richmond Flowers, Tenn (13.8h, 13.6 Penn R; 14.0i Tri/Athens, O) 13.6*
- Thomas Hill, Arkansas St (13.6 v SW Mo St; 13.7i Southland C) 13.6*
5. Mike Butler, Wisc (14.0hw, 14.0n Drake; 14.0 Tri; 13.7w v Ind) 13.7
- Herman Franklin, Sn Cal (13.7 v Wash St; 13.7 v UCLA) 13.7*
- Paul Gibson, El Paso (13.8i v NM; 13.8hw, 13.8n West Coast) 13.7
- Larry Midlam, Michigan (13.7 v Drake, Ia) 13.7
- Tom White, Strid (13.8n SAC; 13.7hw, 13.8n West Coast) 13.7
10. Dale Frederick, Ft MacA (14.0w S J Inv; 13.9hvw, 13.8n WCR) 13.8
- Paul Kerry, Strid (13.8hvw, 13.8n West Coast) 13.8
- 13.9, *George Byers (Kans), Jeff Howser (Duke), n*Ron Jessie (Kans), *Mike Kelly (Fla St), nDave Kurrle (P Coast), *Larry McCready (Nn Ia), nRichard Polk (NE La St), *Johnny Veal (Fres Pacific). 14.0, *Tom Bonin (BYU), *Tyronne Brown (Md), n*George Carty (San Jose St), Bob Daniels (Tex A & I), n*Tyronne Dutton (Sn Cal), n*Don French (BYU), Erv Hall (Vill), *Bill Hill (Tenn/F), n*John Morriss (Hous), Roosevelt Williams (NM).

Incomplete wind info: 13.8, Jeff Howser (Duke). 14.0, *Bob Blum (Portland TC), *Larry Cheatham (Md St), *Jones (Morgan St), Gary Knoke' (Ore), Craig Maul (Ohio U), *Ken Rorie (La Tech), *William Simples (Tex Sn).

Wind-aided: 13.9, nJim Barber (Ohio St), n*George Carty (San Jose St), Sam Caruthers (San Jose St), *Gary Knoke' (Ore), *John Morriss (Hous), *Pat Pomphrey (USAF), Jim Shaw (Henderson JC), Rich Tipton (Stan).

440 YARD INTERMEDIATE HURDLES

Brigham Young's Ralph Mann has apparently improved or duplicated his life-time best everytime out this year: 51.6, 50.8, 50.6 and 50.5 twice, the latter occasion coming in a bare loss to Ron Whitney at the West Coast Relays where both clocked the same time. Mann's first full season of track competition came as a freshman last year when he did not run any open quarters nor relays yet ran the highs in 13.9 and the intermediates in 51.6. This year, he has been clocked in 46.0 in a 440 relay leg... Cal's Bob McLennon has twice recorded PRs this season, of 52.8 and 52.2, each time with a cast on a broken right arm (hand to mid-bicep)... Pity poor David Prince, a freshman at Texas A&M who wound up being the only entry in the sixth heat in the qualifying rounds at the Kansas Relays. He was so nervous, he beat the gun. In the first section, Jeff Bennett won only after clearing three barriers set at 39".

1. Ralph Mann, BYU (50.6 WAC R; 50.5 Beehive; 50.5n WCR) 50.5*
- Ron Whitney, Strid (50.6 Mt SAC R; 50.5 West Coast R) 50.5*
3. Gary Knoke', Ore (52.4 v Wash St; 51.0 v Stan; 52.2d v Ore S; 51.6 Nn) 51.0*
4. Jim Wharton, Idaho St (51.3 Five-Way; 51.7 Colo R; 51.7n WCR) 51.3*
5. Dennis Cotner, Okla (52.1 Kans R; 51.9disq Drake R) 51.4
6. Jesse Ball, Prairie View A&M (51.7 SWAC; 51.5) 51.5*
- Randy White, Stanford (52.1 v Cal; 51.5 West Coast R) 51.5*
8. Dave Adkins, Ft MacArthur (51.6 West Coast R) 51.6*
- Andy Bell, Sports International (51.6 AC/Washington, DC) 51.6*
- Larry Eubanks, SMU (51.6 SWC) 51.6*
- Jerry Fannin, Fla (51.6 Fla Inv) 51.6
- 51.7, nHerman Franklin (Sn Cal), *Boyd Gittins (Wash St), *Mike Kelly (Fla St), *T. C. Minor (Prairie View A&M), n*Wes Williams (San Diego St), *Carl Wood (Richmond). 51.8, *Kent Schoofield (Fla A&M). 51.9, n*Jack Hanley (Rutgers), *Joe Simones (Mo). 52.0, n*Skip Archer (Tex), *Dick Bruggeman (Ohio St), Clint Fowlkes (Fla), *Bill Gairdner' (Athens), *Mike Toler (W Valley JC). 52.1, David Cole (Hous), n*Mike Jones (NM), n*Dee Winnegar (Utah). 52.2, Bob Bornkessel (Kans/F), *James King (San Diego Mesa JC), n*Bob McLennon (Cal), n*Jim Seymour (Golden West JC), nLarry Walls (San Jose St), n*Tom Wyatt (Athens). 52.3, n*Kim Hoelting (Wash), n*Dick Miller (Ariz St), n*Bob Seagren (Sn Cal), *Geoff Vanderstock (Strid).

HIGH JUMP

Another "Fosbury flopper" is backing into the big-time. When Bill Elliott of Texas went 6'10" at the Southwest Conference meet, he became the second highest leaper in the brief history of the "flop". Elliott, a 6'4" conventional jumper before switching early last season, made 7'0" on an extra trial. And

Bible of the Sport

he long jumped a windy 25'3 1/4" the same day... Fourteen jumpers are at 7-foot or higher, and eight of them hadn't gone that high before this season. Leader Ron Jourdan, however, picked up a weakening strep throat and ear infection in mid-April and didn't better 6'6" for a month... Of the five who made 7-foot indoors, only Jourdan has done it outside. Co-indoor leader Ed Caruther's best is 6'10" and he has yet to win... 7'3" jumper Peter Boyce has an ailing knee.

1. Ron Jourdan, Florida 7'2"
2. Lorenzo Allen, Ariz/F (7'0 WAC R; 7'0 v Ar S; 7'0 WCR) 7'1 3/4"
3. Scott English, El Paso/F (6'10 1/2 v New Mexico) 7'1 3/4"
4. Fernando Abugattas', NWN Ia/F (7 1/4 Kansas Relays) 7'1 1/4"*
5. Clarence Johnson, Calif (7 1/4 v Ore St; 6'10 v Stan; 6'10 WCR) 7'1 1/4"*
6. Mike Bowers, Ann Arbor TC (7'0 Penn R/O; 6'10 En Mich O) 7'0"*
- Chris Celion', BYU (6'10 v ACC; 7'0 West Coast Relays) 7'0"
- Dick Fosbury, Ore St (6'10; 7'0 Drake; 6'8; 6'11 v Ore; 6'10) 7'0"
- Tim Heikkila, Minn (7'0 v Michigan State) 7'0"*
- Steve Kelly, Ore St (6'10 v Cal; 6'10 v Oregon) 7'0"
- Jack McDougall, NE La St (7'0 NWN Louisiana Relays) 7'0"*
- Dan Mendenhall, BYU 7'0"
- Barry Shepard, Ariz St (6'10 WAC Relays) 7'0"
- John Wedel, Arizona 7'0"
- 6'11 1/2", *Fred Jackson (Hayward St). 6'11", *Frank Costello (Spts Intl), Stan Curry (Baylor), Don Shields (G West JC), *Rick Wanamaker (Drake). 6'10 3/4", Otis Burrell (Strid). 6'10 3/4", *Reynaldo Brown (Calif HS), *Ray McGill (Kans St), *Mark Timon (Colo). 6'10 1/4", Peter Boyce' (Stanford), *Keith Dalluge (Wash St), *Lonnie Dalton (W Chester St), *Larry Dykstra (Ill F), Greg Heet (P Coast), *Clyde Saddler (SF CC), Jim Voss (Wash St). 6'10", Ed Broderick (N Dame), *Thurman Bullock (Franklin & Marshall), *Ed Caruthers (P Coast), *Jack Causey (Swn La/F), Willie Crawford (Athens), Bruce Dallas (Wm & Mary), *Joe David (Md), *Joe Davis (Blinn JC), John Dobroth (P Coast), *Bill Elliott (Tex), Ben Gaines (UCTC), Lonnie Hance (Tenn), *Gary Hauptert (Ind), *Darnell Hillman (San Jose St), *Jim Johnson (Ft Polk), Park Kennedy (Sn Cal), Karl Kremsler (Tenn), Don Lindsey (San Jose St), *Joe Mackey (Sn Cal F), *Bill McClellan (Sn), Don Pierce (Sacramento St), John Radetich (Ore St), Jonathan Robinson (Tex Sn), Cary Ross (UCLA), Bud Travaille (Pacific/F), Ron Tull (P Coast), *Terry Webb (Ill), Lou Wright (Sacramento St).

POLE VAULT

Bob Seagren continued his hurdle-vault doubling, performing well in the former without shirking his duties in the latter. On consecutive weekends he did 53.0 (his first victory) and 16'0", 52.3 (personal record) and 16'11 1/4" and 52.8 plus 17'0"... Dick Railsback, who attempted the seldom-tried 18-foot barrier after making a personal high of 17'5 1/2", has had his ups and downs. He made only 15'0" and 16'0", placing second both times, in the meets between his 17'5 1/2" and 17'5". Teammate Jon Vaughn missed four straight meets because of a heel injury then returned to vault 15'6" against SC... The "pole-under-the-bar" rule took effect May 1, allowing vaulters to live more dangerously and quit worrying about the pole following them into the pit.

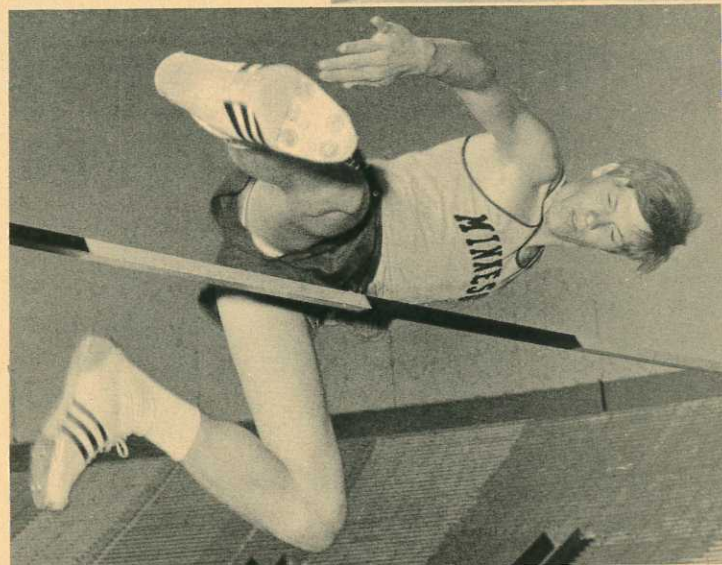
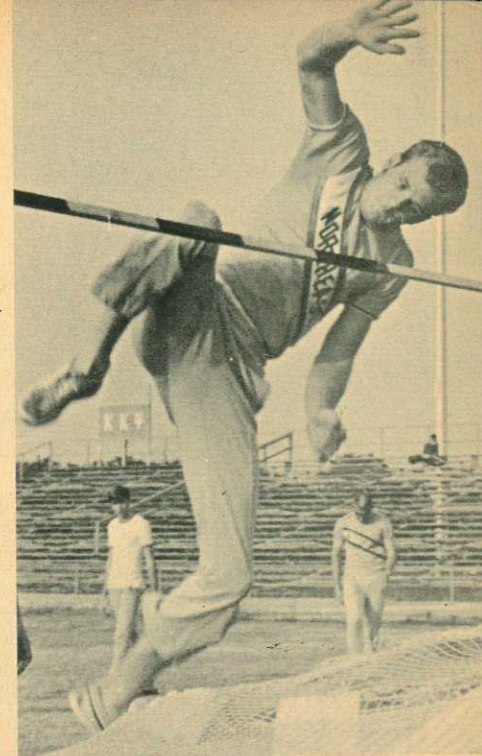
1. Dick Railsback, UCLA (17'5 1/2 v Wash; 15'0; 16'0; 17'5 W Coast R) 17'5 1/2"*
2. Erkki Mustakari', Fresno St (16'6 v C Poly/S; 16'0; 16'0; 17'0 WCR) 17'4"
3. John Pennel, Striders (16'0; 16'11 3/4 Mt SAC; 16'4 1/2 v SD St; 17'0 WCR) 17'2"
- Bob Seagren, Sn Cal (16'0; 16'11 1/4 v Wash St; 17'0 v UCLA; 17'0 WCR) 17'2"
5. Jon Vaughn, UCLA (15'6 v Southern California) 17'0"
6. Andy Steben, Oxy (16'0 SCIAC; 16'8 West Coast Relays/CD) 16'8"*
7. Paul Heglar, El Paso (16'0 AC/EP; 16'0 v NM; 16'6 W Coast Relays) 16'7"
- Gene Riley, ACC 16'7"
9. Sam Caruthers, San Jose St (16'0; 16'0 Mt SAC; 16'6 SJ Inv; 16'6 WCR) 16'6"
- Peter Chen, Spts Intl (16'0 Penn/O; 16'2 3/4 MCR; 16'6 AC/DC) 16'6"
- Chris Papanicolaou', San Jose St (nh Dogwood; 16'0 SJ Inv; 16'6 WCR) 16'6"
- Rick Sloan, Striders (16'5 Mt SAC R/Dec) 16'6"
- Bob Steinhoff, Kansas 16'6"
- 16'4 1/2", *Steve Smith (Cal HS). 16'4 1/4", *Chuck Wiley (Hous Strid). 16'4", *Jan Johnson (Kans/F). 16'2 3/4", Mike Markham (unat). 16'1 3/4", Larry Wolfe (Mich F). 16'1", *Bob Pullard (Cal HS). 16' 1/2", *Jack Ernst (Wash St), Dick Rambo (Ariz St). 16'0", *Casey Carrigan (Wash HS), *Larry Curts (Okla St), *Vic Dias (Riverside JC), *Nick Homer (Phila PC), Jim McMillan (Ore), *Mel Miller (Toledo), Dennis Phillips (Staters TC), Dickie Phillips (Rice), Bob Richards, jr. (Mt SAC JC), *Les Smith (Miami/O), Robert Sprung (Tenn), *Mike Wedman (Colo/F), Bud Williamson (Md).

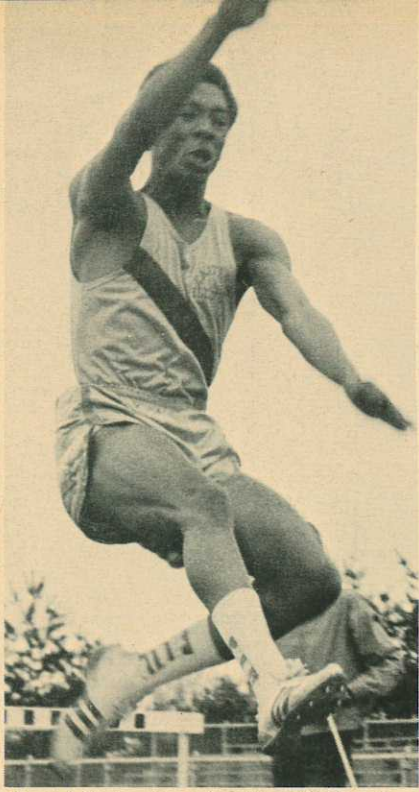
LONG JUMP

Bob Beamon, who has been under pressures ranging from divorce to a nagging hamstring injury since the Olympics, has settled at Piney Point, Md. An unlikely setting, perhaps, but there he's being counselled by Pappy Gault, an influential black sportsman who coached the US Olympic boxing team. Beamon and Gault are attempting to establish a track program at the Seafarer's International Union School of Seamanship... All but unnoticed and unmentioned in the West Coast Relays summaries is Henry Hines' US-leading and national JC record-setting 26'2 3/4" mark... In an early-April meet, Pertti Pousi had fouls of 26'10", 26'7" and 26'7" plus a legal 25'6"... Due to a death in his family, Jerry Proctor didn't compete for several weeks and may not jump again this year.

1. Henry Hines, Sacramento CC (25'4 3/4 Nor Cal R; 26'2 3/4 WCR/JC) 26'2 3/4"*
2. Marion Anderson, San Jose St (26'2 1/2; 26'1 1/2; 24'11 1/2; 26'5 1/2 w; 25'5 3/4 WC) 26'2 1/4"*
3. Stan Whitley, Kans (26' 1/2 Kansas Relays; 26'4 3/4 w Drake Relays) 26' 1/2"*
4. Jim Blaisdell, BYU (25'11 1/4 v Abilene Christian) 25'11 1/4"*
5. Ron Jessie, Kans (25'10 3/4 Kans R; 26'4 1/2 w Drake R; 25'11 1/4 W Coast R) 25'10 3/4"*
6. Pertti Pousi', BYU (25'7 1/4 v ACC; 24'6 3/4 WAC Relays) 25'10 1/4"
7. Jerry Proctor, Redlands (26'1 1/4 w v Whittier; 25'9 3/4 Mt SAC R) 25'9 3/4"*
8. Tom Chilton, unat (25'10 1/2 w, 25'7 1/2 AC; 24'10 3/4 AC; 25'2 1/4 w Dogwood) 25'7 1/2"*
9. Stan Royster, unat (24'7 1/4 Mt SAC; 25'1 3/4 w S Jose Inv; 25'3 1/2 W Coast) 25'7"
10. Aaron Robinson, SD Mesa JC (25'6 West Coast Relays/JC) 25'6"
- 25'4", *Gayle Hopkins (P Coast). 25'2 3/4", Henry Jackson (Wn Ky). 25'2 1/2", Norm Tate (NYPC). 25'2 1/4", *Ivory Harris (Ore F). 25'2", *Mike Harvey (Va). 25'1 1/4", Kari Palmen' (BYU/F). 25'1", Ralph Boston (Knoxville TC), *Phil Shinnick (USAF). 25' 1/2", *Bill Aeschlimann (Colo), *Heulon Hewitt (Cal HS), *Char-

Up go the young high jumpers. So far this season, eight US collegians have made their first flight over 7'0", and only two of them are more than sophomores. JACK MC DOUGALL (right), Northeast Louisiana State's 7'0" jumper, is a soph, as is TIM HEIKKILA (center) of Minnesota, who has made the same height. Peruvian Olympian FERNANDO ABUGATTAS, now a freshman at 700-student Northwestern Iowa College, made 7 1/4" to win the Kansas Relays. (Abugattas photo courtesy of Des Moines Register)





New triple-jumping talent literally abounds. JOHN CRAFT of Eastern Illinois briefly led the nation with his 51'11 $\frac{1}{2}$ ".



Veteran of veterans LESTER BOND has not lost his triple jumping talent by any means. He has hopped-stepped-and-jumped 51'9 $\frac{1}{2}$ " with a wind as well as an n.w.i. 50'9". (Photo by Jeff Kroot)



One of the top JCers in any event is Bakersfield JC's ROBERT READER, fourth best US triple jumper at 51'10 $\frac{1}{2}$ ". (Don Chadez photo)

lie Olds (Ore St). 24'11", John Johnson (UCLA). 24'10 $\frac{1}{4}$ ", *Bob Beamon (unat). 24'10", Wilbert Davis (En Ky), Jim Fraser (Athens). 24'9 $\frac{1}{4}$ ", *Byron Gutwein (San Diego St), *Phil Quinet (unat). 24'8 $\frac{3}{4}$ ", *Jim Moore (Ore F). 24'8", Luther Goin (Mt Hood CC). 24'7 $\frac{3}{4}$ ", Gerald Wisdom (El Paso). 24'7 $\frac{1}{4}$ ", *Herman Franklin (Sn Cal). 24'7", *Jerry Gaines (Va Tech). 24'6 $\frac{3}{4}$ ", Mike McMannon (N Dame/F), *Gary Whittaker (Ore St).

Incomplete wind info: 25'7 $\frac{1}{4}$ ", *Bob Beamon (unat). 25'4", *Norm Tate (NY-PC). 25'2 $\frac{3}{4}$ ", *Luther Goin (Mt Hood CC). 24'11", *Thomas Whittier (Tex Sn). 24'9 $\frac{3}{4}$ ", *George Gage (San Jose St/F). 24'9", *Travis Hill (P View A&M). 24'7 $\frac{3}{4}$ ", *John Craft (En Ill). 24'7", Tommie Smith (unat), *Sam Workman (unat). 24'6 $\frac{3}{4}$ ", Charley Mays (GSB).

Wind-aided: 26'5 $\frac{1}{2}$ ", *Marion Anderson (San Jose St). 26'4 $\frac{3}{4}$ ", *Stan Whittier (Kans). 26'4 $\frac{1}{2}$ ", *Ron Jessie (Kans). 26'1 $\frac{3}{4}$ ", *Bob Beamon (unat). 26'1 $\frac{1}{4}$ ", *Jerry Proctor (Redlands). 25'11 $\frac{1}{2}$ ", Pertti Pousi' (BYU). 25'11", *Gayle Hopkins (P Coast). 25'10 $\frac{3}{4}$ ", *George Gage (San Jose St/F). 25'10 $\frac{3}{4}$ ", *Tom Chilton (unat). 25'9 $\frac{3}{4}$ ", *Ralph Boston (Knox TC). 25'8 $\frac{3}{4}$ ", *Carl Mills (TCU/F). 25'5 $\frac{1}{4}$ ", *Norm Tate (NYPC). 25'4 $\frac{3}{4}$ ", Kari Palmen' (BYU/F). 25'3 $\frac{1}{4}$ ", *Bill Elliott (Tex), *Tom Smith (Ore). 25'2 $\frac{1}{2}$ ", *Charles Clifton (Tex). 25'2", *John Johnson (UCLA), *Mike McMannon (N Dame/F). 25'1 $\frac{3}{4}$ ", *Jerry Carter (Rice). 25'1 $\frac{1}{4}$ ", *Wilbert Davis (En Ky), *Heulon Hewitt (Cal HS). 25'1", *Bill Henry (Wash St), *Charlie Olds (Ore St). 25'0", *Jerry Martin (Rice). 24'9 $\frac{3}{4}$ ", Larry Highbaugh (Ind). 24'8 $\frac{1}{2}$ ", *Fred Fox (McMurray). 24'8", Sessions Harlan (Weber St).

TRIPLE JUMP

As in the long jump, the West Coast Relay's junior college competition produced a national triple record. Robert Reader, previous best 49' $\frac{1}{4}$ ", got a share of the JC mark with his 51'10 $\frac{3}{4}$ ". . . A severe case of homesickness cut short the promising collegiate career of Eastern Michigan's Kauko Ketolainen. After winning the Kentucky and Drake Relays titles, he headed back to Finland. . . Mohinder Singh, who's referred to as Mohinder Gill in about half the summaries we see, has lost only once in eight meets--to Chris Watkins. . . Steve Gough, the 49'11 $\frac{3}{4}$ " triple jumper, recently had a 207'5" javelin victory in a meet where he also took the high hurdles, long jump and triple. . . It was Washington triple jumper Reed Parsley's perfect chance. Both UCLA jumpers were injured and he was left alone in the competition. He could jump one-fourth inch and win. But alas, poor Reed got a little overexcited. He fouled all three tries.

1. Mohinder Singh', Cal Poly/SLO/F (50'9 $\frac{3}{4}$; 49' $\frac{1}{2}$; 51'7 $\frac{1}{2}$ WC/CD; 52'3 $\frac{3}{4}$ WC) 52'3 $\frac{3}{4}$ "*
 2. Pertti Pousi', BYU (52'1" v Abilene Christian) 52'1"*
 3. John Craft, En Ill (49'3 $\frac{3}{4}$ " Drake Relays) 51'11 $\frac{1}{2}$ "
 4. Robert Reader, Bakersfield JC (49' $\frac{1}{4}$ SAC/JC; 51'10 $\frac{3}{4}$ W Coast R/JC) 51'10 $\frac{3}{4}$ "*
 5. Tom Massey, Stanford (51'1 $\frac{3}{4}$ " v Oregon) 51'1 $\frac{3}{4}$ "*
 6. Norm Tate, NYPC (49'9 $\frac{1}{4}$ Dogwood R; 49'9 Marine Corps R) 51'1"
 7. Denny Rogers, UCLA 50'11 $\frac{3}{4}$ "
 8. Kim Pierson, Furman (50'11 $\frac{1}{4}$ Penn R; 50'0 Southern Conference) 50'11 $\frac{1}{4}$ "*
 9. Chris Watkins, LA St (49'7 $\frac{1}{2}$ v Westmont; 51'8 $\frac{3}{4}$ Mt SAC Relays) 50'10 $\frac{3}{4}$ "
 10. Clarence Robinson, unat (50'10 NM-Arizona State/guest) 50'10"*
- 50'7 $\frac{1}{2}$ ", *Jeff Gabel (Tenn). 50'6 $\frac{3}{4}$ ", *Jamie Dixon (Sn Ore), Adrian Porter (San Jose St). 50'1 $\frac{3}{4}$ ", *Ivory Lewis (Sn Ill). 50'1", *Rick Rogers (Athens). 50'1 $\frac{1}{2}$ ", *Dave Tucker (Cal HS). 50'1 $\frac{1}{4}$ ", Kauko Ketolainen' (En Mich/F). 49'11 $\frac{3}{4}$ ", *Steve Gough (Seattle Pacific). 49'11", Henry Hines (Sacramento CC). 49'10 $\frac{3}{4}$ ", Milan Tiff (unat). 49'10", Larry Vanley (Mesa CC). 49'9 $\frac{1}{4}$ ", *George Bradley (Md). 49'8 $\frac{3}{4}$ ", *Bill McClellan (Sn). 49'7 $\frac{3}{4}$ ", *Doug Ford (Strid), *Lincoln Jackson (Athens). 49'7 $\frac{1}{4}$ ", *Ken Gaines (Kans). 49'6 $\frac{3}{4}$ ", *Lennox Burgher' (Nebr). 49'6 $\frac{1}{4}$ ", *Charlie Olds (Ore St). 49'6", Mike Harvey (Va). 49'5", *Spencer Thomas (La HS). 49'4 $\frac{3}{4}$ ", *Mike Woods (unat). 49'3 $\frac{3}{4}$ ", *Rich Dunn (W Valley

JC). 49'3 $\frac{3}{4}$ ", *Hartley Saunders (Morgan St). 49'2 $\frac{3}{4}$ ", *Warren Chen Shui' (Ore), Henry Jackson (Wn Ky), *Barrie Johnson' (Wash St). 49'1 $\frac{3}{4}$ ", *Jerry Jackson (UCLA). 49'1 $\frac{1}{2}$ ", *Dorris Maxwell (Fresno CC). 49'1", Isaac Williams (Ariz). 49'1 $\frac{1}{2}$ ", Sylvester Johnson (Hayward St). 49'0", Ervin Hunt (Fresno St).

Incomplete wind info: 50'5 $\frac{3}{4}$ ", *Milan Tiff (unat). 50'3", Les Bond (unat), *Lincoln Jackson (Athens). 50'1", *Hector Serate' (Tex Sn). 49'2", *Eugene Jones (Fresno Pacific).

Wind-aided: 51'9 $\frac{3}{4}$ ", *Les Bond (unat). 51'9 $\frac{1}{4}$ ", *Mike Woods (unat). 51'8 $\frac{3}{4}$ ", *Chris Watkins (LA St). 51'1", *Rick Rogers (Athens). 51'1 $\frac{1}{2}$ ", *Al Meredith (Athens). 50'10", *Adrian Porter (San Jose St). 50'9 $\frac{3}{4}$ ", *Lincoln Jackson (Athens). 50'8 $\frac{3}{4}$ ", Ken Brauman (La St). 50'7 $\frac{3}{4}$ ", *Harry Freeman (Cal HS). 50'7 $\frac{1}{2}$ ", *John Vernon' (unat). 50'1 $\frac{1}{2}$ ", *Doug Ford (Strid). 49'10 $\frac{3}{4}$ ", *Zack Gillon (NY HS). 49'8 $\frac{3}{4}$ ", *Sylvester Johnson (Hayward St). 49'6 $\frac{1}{4}$ ", *Dave Jackson (Strid). 49'5 $\frac{3}{4}$ ", *Rich Dunn (W Valley JC). 49'3 $\frac{3}{4}$ ", *Jerry Wygant (UCSB). 49'2 $\frac{3}{4}$ ", *Dorris Maxwell (Fresno CC), Chuck Steffes (NM/F).

SHOT PUT

The same day that Karl Salb got his shot best of 67'1 $\frac{1}{2}$ " (not 67'1 $\frac{1}{4}$ " as reported last issue), he threw the discus 181'6". Not content to stop there, he went on to the hammer and on strength alone, no technique, threw 125'5". . . Neal Steinhauer put together an impressive series to go along with his 66'1 $\frac{1}{2}$ " effort. Others were 65'9 $\frac{3}{4}$ ", 65'1", 65'0", foul and 65'1 $\frac{1}{2}$ ". Just when Neal was approaching 1967 form, he reinjured his back slightly and was forced to miss the Fresno meet. . . Against UCLA, Southern Cal's John Buehler improved from 56'10" to 59'6 $\frac{3}{4}$ ", and got only three puts since he didn't make the finals. Tom Colich thought he'd fallen a quarter-inch under 60-feet in that meet, but the measuring tape was later found to be 1 $\frac{1}{2}$ inches short. . . Russ Hodge has twice placed sixth, and last, in duals this season--with marks of 59'11 $\frac{1}{2}$ " and 58'9 $\frac{3}{4}$ ".

1. Karl Salb, Kans (63'5 $\frac{1}{4}$ Kans R; 62'1 $\frac{1}{2}$ Drake; 67'1 $\frac{1}{2}$ v Sn III; 63'1 WCR) 67'1 $\frac{1}{2}$ "*
 2. Neal Steinhauer, Ft MacA (66'1 $\frac{1}{2}$ Warrior R/Sp; 64'9 $\frac{1}{2}$ Mt SAC R) 66'1 $\frac{1}{2}$ "*
 3. Bruce Wilhelm, Athens (64'6 AC; 62'4 SAC; 61'9 $\frac{3}{4}$ SJ Inv; 60'8 WCR) 64'6"*
 4. Steve Marcus, UCLA (64'1 v Wash; 62'1 $\frac{1}{4}$ v Cal; 62'4 $\frac{3}{4}$ v Sn Cal) 64'1"*
 5. Steve Wilhelm, Kans (61'8 $\frac{1}{4}$ Kans R; 59'5 Drake R; 60'11 $\frac{3}{4}$ v Sn Ill) 63'8"
 6. Brian Oldfield, UCTC (61'7 $\frac{1}{2}$ Dogwood R; 62'5 Indiana Relays) 62'5"*
 7. Richard Marks, San Jose St (61'3 AC; 59'11 SAC; 62'3 SJ Inv; 58'8 WC) 62'3"*
 8. John Hubbell, Wash (61'3 v UCLA; 61'9 v Ore St; 62'2 $\frac{3}{4}$ v WS; 61'10 $\frac{1}{2}$ ND) 62'2 $\frac{3}{4}$ "*
 9. Mark Ostoich, UCLA (58'10 $\frac{1}{4}$ v Wash; 61'1 $\frac{1}{2}$ v Cal; 60'10 $\frac{1}{2}$ v Sn Cal) 61'9 $\frac{3}{4}$ "
 10. Doug Knop, Kans (58'1 $\frac{1}{2}$ Kans R; 59'2 Drake R; 60'8 $\frac{3}{4}$ v Sn Ill) 60'8 $\frac{3}{4}$ "*
- 60'7", *Dave Murphy (Sn Cal). 60'6 $\frac{3}{4}$ ", *John Van Reenen' (Wash St). 60'1 $\frac{1}{4}$ ", *Tom Colich (Sn Cal). 59'11 $\frac{1}{2}$ ", Russ Hodge (UCLA). 59'10 $\frac{1}{4}$ ", *Gary Orday (P Coast). 59'9", *Sam Walker (SMU/F). 59'7", Ernie Hearon (Spts Intl). 59'6 $\frac{1}{4}$ ", *John Buehler (Sn Cal). 59'5 $\frac{1}{2}$ ", Jack Hanley (Md). 58'9 $\frac{3}{4}$ ", *Al Feuerbach (Emp St). 58'7 $\frac{3}{4}$ ", *Lachen Samsam' (Athens). 58'5 $\frac{3}{4}$ ", *T.C. Jones (Stan). Ronnie Lightfoot (Tex A&M). 58'4 $\frac{3}{4}$ ", *Jim Arbuckle (Ind), Doug Lane (Kans St/F). 58'4 $\frac{1}{4}$ ", John Birkelbach (El Paso). 58'3 $\frac{3}{4}$ ", *Randy Nichols (Tex). 58'2 $\frac{3}{4}$ ", *Carl Wallin (Ft MacA). 57'11 $\frac{1}{2}$ ", *Bob Hargreaves' (Cal). 57'11 $\frac{1}{4}$ ", *Vincent Monari (El Paso). 57'11", Gary Bills (Idaho St). 57'10 $\frac{1}{2}$ ", Ronnie Mercer (Tex Tech). 57'9 $\frac{3}{4}$ ", *Wayne Rathke (Howard Payne). 57'7 $\frac{1}{2}$ ", *Gerald Downes (Wayland). 57'4 $\frac{1}{2}$ ", *Ron Pncard (NWN Okla St). 57'2 $\frac{1}{4}$ ", Mike Reid (Penn St). 57'2", *George Allen (St John's), *Andy Kenney (NEn), *Terry Livermore (Portland St). 57'1 $\frac{3}{4}$ ", *Gene Smith (Wn Ky). 57'0", Jerry Petty (Ark), *Jesse Stuart (Ky HS), *Tim Vollmer (Ore St). 56'11 $\frac{1}{2}$ ", *Jim Sagle (Ore). 56'10", Don Tollefson (P Coast). 56'10 $\frac{3}{4}$ ", Ed Kohler (Strid). 56'10", *John Barber (Glendale, Ariz CC). 56'8 $\frac{3}{4}$ ", Roger Carlson (Ore St). 56'8", *Ronnie Urbantke (Bay). 56'7 $\frac{1}{4}$ ", Tom Brosius (Kans St/F). 56'6 $\frac{3}{4}$ ", James Bagby (PView).

DISCUS THROW

Gary Ordway loves to compete. On five straight weekends, he entered meets on both Saturday and Sunday. In six of those meets, he threw 192'4" or better, and only twice did he get down as low as 178'5"... If Miles Lister's 191'7" had come during regular competition, he would have been the third Pacific Coast Clubber over 190-feet. His long throw came on an extra trial... Of the leaders, only John Van Reenen is unbeaten. He wasn't in either of the meets involving the US Olympians, and almost everyone else of note except Tim Vollmer. At Mt. SAC, 12th place was 175'10" and at the West Coast Relays it took 175'11" to place 10th.

1. John Van Reenen, Wash St (187'10; 194'2 v SC; 189'4 v Wash; 187'2 ND) 207'6"
 2. Gary Carlsen, Strid (202'4 Mt SAC; 195'7 SJ Inv; 188'7 W Coast R) 202'4"*
 3. Al Oerter, NYAC (189'7 Kans R/O; 201'3 Mt SAC; 194'2 W Coast R) 201'3"*
 4. Jay Silvester, unat (197'2 Mt SAC Relays; 200'5 West Coast Relays) 200'5"*
 5. Tim Vollmer, Ore St (186'2; 187'1 Drake; 178'10; 189'6; 182'9 ND) 200'2"
 6. Gary Ordway, PC (192'3; 189'7; 195'2; 192'5; 197'1; 194'6; 192'4) 197'1"*
 7. Jon Cole, unat (189'7 Mt SAC Relays) 196'3"
 8. John Powell, San Jose St (195'0 AC; 179'11; 191'6 SAC; 191'6; 182'0) 195'0"*
 9. Bill Neville, unat (194'9 Mt SAC Relays) 194'9"*
 10. Don Tollefson, P Coast (183'4; 184'9; 186'1; 183'11 WCR; 184'5) 193'8"
- 189'8", Doug Knop (Kans). 189'4", John Morton (Fla). 189'0", *Larry Kennedy (Athens), Karl Salb (Kans). 186'5", *Miles Lister (P Coast). 186'2", *Rich Drescher (Md). 183'8", *John Bakkenen (Portland TC). 183'4", *Mike Hoffman (BYU). 182'6", *Ed Kohler (Strid). 182'3", *Dave Weber (P Coast). 182'0", Curt Harper (Strid). 181'8", *Ken Dietz (Penn). 180'7", Wayne Walton (ACC). 180'1", *Joe Keshmiri (Nev). 179'3", *Tom Colich (Sn Cal). 179'2", *Rick Smith (Idaho). 179'1", *Zig Strauts' (Ore). 179'1", *Paul Gill (N Dame). 178'7", Ervin Jaros (NM). 178'6", *Dave Weill (Athens). 178'4", Mark Ostoich (UCLA). 178'1", *Jim Brubaker (Ill). 177'7", Steve Davis (Stanford). 176'11", Steve Wilson (Sn Cal), 176'8", *Tom Kirkwood (L Beach St). 176'7", *Rich Fuhs (Ind). 175'10", *Brian Oldfield (UCTC). 175'8", Joe Autunovich' (Sn Cal). 175'1", Tim Kearin (Ariz).

HAMMER THROW

Outside the eastern colleges, little has happened yet in this event. George Frenn did, though, come within two feet of his career best at Mt. SAC and beat Hal Connolly rather easily twice... Several easterners have shown big improvement: Ed Nosal to 192'5" from last year's 171'0", Jack Panzica to 187'9" from 177'6", and Dewitt Davies to 187'0" from 177'2".

Only one of two collegians over 260-feet in the javelin, Stanford's TOM COLBY's best is 265'8". (Murdock)

1. George Frenn, P Coast (214'11 v Ft Mac, LB St; 224'4 Mt SAC R) 224'4"*
 2. Hal Connolly, Strid (205'9 Tri/guest; 214'10 Mt SAC R) 214'10"*
 3. Tom Gage, NYAC (202'10 Mt SAC Relays) 202'10"*
- 192'5", *Ed Nosal (Harvard). 191'1", *Auggie Zilincar (Shore AC). 187'9", Jack Panzica (Adelphi). 187'0", *Dewitt Davies (Dartmouth). 186'9", *Ed Potts (Navy). 186'2", *Charles Ajoitian (Harvard). 185'8", *Dick Narcessian (RI). 184'7", Steve DeAutremont (Ore St). 184'4", *Roger Best (Bowdoin). *Wayne Pangburn (Ft MacA). 183'11", Dave Leitch (Ohio U). 180'9", *Bruce Johnson (Sn Conn). 180'5", Jim Pryde (unat). 180'1", Tony Tenisci' (Wash St F). 180'0", *Rod Frankel (Penn). 178'11", *Rich Sherman (L Island AC). 178'3", *Tom Fraus (Athens). 176'2", *Dale Frederick (Army), *Dave Penny (Kans). 176'1", Roger Kaufmann (Penn St). 175'7", *Tom Corrie (Adelphi). 175'4", Ron Hungarter (Ohio U). 175'3", *Anatoli Welikozkiy (Rutgers).

JAVELIN THROW

Particularly among collegians, the event is enjoying an upward surge. All last year, only five college students topped 250-feet. Ten are already beyond that mark this season. All of them but Bill Skinner have newly-earned personal records... If the two Roger Collinses didn't cause enough confusion already, they now have seasonal and lifetime bests that are only 13 inches apart... The Marine Corps Relays loss was Bill Skinner's first in seven meets. Mark Murro was working on his 13th straight win when bad luck struck him. Two long tosses went foul and he lost to Dick Legas, 235'2" to 235'6"... Mike Guzman of Louisiana Tech was hot--literally--when he threw 237'7". Competing with a 102° fever, he improved by 14 feet.

1. Mark Murro, Ariz St (256'11 v NM; 232'6 WACR; 275'7 v Ar; 275'0 WC) 275'7"*
2. Frank Covelli, P Coast (253'3 Tri; 272'2 Mt SAC R; 268'0 WCR) 272'2"*
3. John FitzSimons', P Coast (251'5 Tri; 245'10 Mt SAC Relays) 268'9"
4. Tom Colby, Stanford (253'8 v Oregon; 265'8 v California) 265'8"*
5. Milt Sonsky, unat (260'2 Marine Corps Relays) 260'2"
6. Bill Skinner, Tenn (248'0 Dogwd; 259'6 Penn; 248'4 MCR; 258'2 Tri) 259'6"*
7. Larry Stuart, Strid (257'8 Tri/guest; 235'10 Mt SAC; 255'2 W Coast) 257'8"*
8. Les Tipton, Ft MacA (241'4 v P Coast, LB St; 256'2 W Coast Relays) 256'2"*
9. Don Fish, Ohio U (242'2 Penn R; 254'1 v Tennessee, Kent State) 256'1"
10. Roger Collins, Kans St 254'6", *Dave Reiss (Md). 254'2", *Bob Wallis (Army). 253'9", *Roger Collins (Clemson), *Mike Lyngstad (Mont). 251'10", Stu Hunnings' (Wash St). 250'11", *John Kaveny (Athens). 249'4", *John Gaydeski (Lafayette). 248'7", Gary Pennington (Cal). 246'10", *Mike Prudenti (Wyo). 246'7", Rich Szaro (Harvard). 246'6", Dick Legas (BYU). 245'8", *Roy Waddell (Ariz). 245'4", Drew Stevick (Whitworth). 245'1", *Ben Laville' (Strid). 244'7", *Jim Pearce (Kans HS). 244'0", John Burns (Athens). 243'7", Gary Stenlund (H Valley TC). 243'6", *Rolf Hoppe' (SF Valley St). 242'2", Bill Schmidt (N Tex St). 241'4", *Louis Cardenas (Rice). 239'4", *Ray Mushinski (Pa HS). 238'11", Tim Voth (Ore St). 238'8", *Juhani Nummela' (BYU/F). 238'7", *Frank San Filippo (Cal Poly/Pom). 238'3", *Roy Nadsen (Ohio U). 237'7", *Mike Guzman (La Tech). 237'5", Neil Smith (Cal Wn), *Bob Winn (Ottawa/F). 237'4", *Jack Bacon (Md), *Gordon Clay (Ore). 236'11", Bob Kuovolo (Pitt). 236'10", Richard Dull (Spts Intl). 236'1", *Jack McEwen (Ariz). 236'0", *Ulf Johansson' (NM). 235'9", Andrew Barnet (Pacific).

Questionable: 253'3", *Frank Burgasser (unat).

DECATHLON

UCLA had planned a six-event day for Russ Hodge in the Southern Cal dual, which would have been more events than he'd handle on a day of the de-



FRANK COVELLI, here throwing his 272'2", increased his best to 273'6", second in the world. (Murdock)

cathlon and within a shorter time span. Russ injured a hamstring the week before, though, and had to pass up the discus, long jump, javelin, 440 relay and 100. He was only able to put the shot... Jeff Bannister missed his PR by only 100 points at the Mt. St. Mary's Invitational. His marks: 11.1, 22'9 $\frac{1}{2}$ ", 43'4 $\frac{1}{2}$ ", 5'11 $\frac{1}{2}$ ", 48.4, 14.6, 135'9", 12'6", 183'10", 4:23.3.

1. Rick Sloan, Striders (7615 Mt SAC Relays) 7615*
 2. Jeff Bannister, NH (7550 Mt St Mary's Invitational) 7550*
 3. Norm Johnston, unat (7438 Drake R-USTFF) 7438*
- Jeff Bennett, Okla Christian (7438 Drake R-USTFF) 7438*
5. Rory Kenward, Colorado/F (7299 Drake R-USTFF) 7299*
 6. John Warkentin, Fresno State (7255 Mt SAC Relays) 7255*
- 7121, *Jorma Vasala' (LA St). 6887, *Dave Thoreson (Strid). 6665, *Mike Quirk (Palomar JC). 6658, *Mike Mattox (Graceland). 6553, *Dave Augier (Gardentown TC). 6509, (8 events) *Bill Toomey (Strid). 6392, *Mark Long (L Beach St). 6291, *Richard Brady (unat). 6288, Jerry Cash (Ala). 6283, *Lloyd Sigler (Towson St). 6255, *George Pannel (Westmont). 6154, *Mike Carroll (Towson St). 6115, *Bill Walsh (Flying Aces TC). 6108, Ray Hopp (Ohio St).

440 YARD RELAY

Merritt JC lowered the national junior college record to 40.5 at Fresno, bringing it down from the 40.7 mark they'd tied two weeks earlier... Southern Cal had Bob Seagren on the 40.4 team that lost to Washington State.

1. San Jose State (39.5 Dogwood R; 39.6 Mt SAC R; 39.7 W Coast R) 39.5*
 2. Southern California (39.9 v Stanford; 40.4n v Wash St; 39.6 v UCLA) 39.6*
 3. UCLA (40.4 v Wash; 40.6n v Cal; 39.7n v Sn Cal; 39.9n v W Coast R) 39.7n*
 4. Kansas (40.8h, 40.3Kans R; 40.4h, 40.6Drake R; 40.0 v Sn Ill) 40.0*
- Southern (40.3 Pelican R; 40.7 Drake R/CD; 40.0 SW Athletic Conf) 40.0*
- 40.2, *California, *Indiana. 40.3, El Paso, Rice, *Texas A&M, Texas Southern, *Washington State. 40.4, Baylor, *Montana. 40.5, *Abilene Christian, *Merritt JC, *North Carolina College, nOklahoma State. 40.6, Oregon State, n*San Francisco CC, *Texas A&I. 40.7, nArizona State, nIdaho State, *Lincoln HS, Dallas, Tex, *Prairie View A&M. 40.8, n*Brigham Young, *Cal Poly/SLO, n*Grambling, *Kansas State, n*Ohio State, *Southeastern Louisiana. 40.9, Florida A&M, nFlorida State, Louisiana State, nTennessee. 41.0, n*Colorado, n*Houston Striders, *Los Angeles CC, *Louisiana Tech, *Mesa CC, *Nebraska, *Norfolk State, *Northeast Louisiana State, *North Texas State, nOklahoma, SF Austin State, n*Southwestern Louisiana, Stanford.

880 YARD RELAY

1:22.3, *San Jose State. 1:23.0, Southern. 1:23.2, n*Kansas, *Rice. 1:24.0, nBaylor, nLouisiana State, nPrairie View A&M. 1:24.1, *Merritt JC. 1:24.3, Indiana. 1:24.4, n*California, nOklahoma State. 1:24.5, nEl Paso, nTexas. 1:24.6, nTexas A&M. 1:24.7, n*Kansas State. 1:24.8, *JC Smith, Southern California. 1:25.0, *Fresno Pacific, *Texas A&I. 1:25.2, n*Notre Dame.

ONE MILE RELAY

The loss to Villanova was UCLA's first in 12 races, but it was also the second fastest time any UCLA team had ever run.

1. Villanova (3:07.2 Penn Relays; 3:06.9 West Coast Relays) 3:06.9*
 2. Rice (3:07.0 Kans R; 3:11.3h, 3:08.2n DrakeR; 3:08.3n SW Conf) 3:07.0*
- Texas (3:10.2n Kans R; 3:10.9, 3:08.4n Drake; 3:09.3 Quad; 3:07.0 SW) 3:07.0*
4. UCLA (3:11.3 v Wash; 3:11.3 v Cal; 3:09.9 v Sn Cal; 3:07.3n W Coast) 3:07.3n*

16--II May 1969

5. Idaho State (3:10.6 Colorado Relays; 3:07.8 Beehive Invitational) 3:07.8*
6. Louisiana State (3:10.5nh, 3:07.9 Drake Relays) 3:07.9*
3:08.1, *Prairie View A&M, Tennessee. 3:08.2, *Merritt JC, *Sports International. 3:08.3, nAbilene Christian. 3:09.2, n*Southern. 3:09.3, n*Nebraska. 3:09.4, n*Brigham Young. 3:09.8, n*JC Smith. 3:10.0, *Arkansas AM&N, n*El Paso, nTexas A&M. 3:10.2, *Southern California. 3:10.4, n*Washington State. 3:10.7, n*Arkansas. 3:10.8, n*Oklahoma. 3:10.9, *Howard, *Lamar Tech. 3:11.0, n*Baylor, n*Southern Illinois, n*Southwestern Louisiana. 3:11.1, *San Jose State. 3:11.2, Kansas State, n*Striders. 3:11.3, nEast Tennessee State, nFort MacArthur, n*Oklahoma State. 3:11.6, nDrake, nFla. New York U. 3:11.7, n*Kansas, *Morgan State. 3:11.8, *Killian HS, Miami, Fla. 3:11.9, n*McNeese State, n*Northeast Louisiana State, n*SF Austin State.

TWO MILE RELAY

7:18.4, *Kansas State. 7:18.6, *Villanova, n*Wisconsin. 7:20.8, nEl Paso. 7:21.8, nKansas. 7:22.6, nTexas. 7:23.0, n*New York U. 7:26.0, n*Missouri. 7:26.6, *New York AC. 7:26.8, n*Holy Cross. 7:27.2, *Prairie View A&M. 7:27.4, nTennessee. 7:29.2, nOklahoma State. 7:30.0, n*Nebraska. 7:30.2, n*Baylor. 7:30.4, n*Drake. 7:30.6, n*Wichita State. 7:31.6, n*Maryland.

FOUR MILE RELAY

16:38.0, *Villanova. 16:39.2, *El Paso. 16:40.8, n*Harvard. 16:42.4, *Kansas. 16:54.6, n*Kansas State. 16:55.4, *William & Mary. 16:55.6, n*

Missouri. 16:57.4, n*Drake. 16:57.8, n*Tennessee. 16:58.4, n*Oklahoma State. 17:00.4, *Los Angeles Valley JC. 17:03.2, n*Manhattan. 17:03.4, n*Michigan State, n*Ohio U. 17:05.6, n*Purdue. 17:07.2, n*Pasadena CC.

SPRINT MEDLEY RELAY

3:15.6, Kansas State. 3:16.0, *Notre Dame. 3:16.6, nRice. 3:16.7, nKansas. 3:16.9, nTexas. 3:17.0, n*Villanova. 3:18.0, *Prairie View A&M. 3:18.2, n*Tennessee. 3:19.0, n*Nebraska. 3:20.8, nSouthern Illinois. 3:20.9, nOklahoma State. 3:21.4, n*Grambling. 3:21.5, *New York U. 3:21.6, Wisconsin. 3:21.9, *Philadelphia PC. 3:22.0, n*Catholic U, nEl Paso. 3:22.3, *William & Mary. 3:22.4, nMiddle Tennessee State. 3:22.9, n*Army, nBaptist.

DISTANCE MEDLEY RELAY

9:33.0, *Kansas. 9:38.2, *Villanova. 9:39.8, n*William & Mary. 9:41.2, *El Paso. 9:42.4, *Fort MacArthur. 9:42.6, n*Drake. 9:43.2, *New Mexico. 9:43.6, n*St. John's, n*Wisconsin. 9:43.8, nKansas State, n*Oklahoma State. 9:45.0, n*Chico State. 9:46.0, n*California, *New York U, Southern California. 9:46.2, nBaylor. 9:46.4, n*Oklahoma, Yale. 9:46.8, nSouthern Illinois. 9:47.0, *Occidental. 9:48.0, n*Humboldt State.

HIGH HURDLE RELAY

57.1, *Tennessee. 58.0, nFlorida, *Ohio State. 58.2, n*Kansas, n*Missouri. 58.5, nFlorida State. 58.7, n*Houston. 58.9, nBaptist. 59.1, Eastern Kentucky. 59.7, New Mexico, *Northern Iowa. 59.9, n*North Carolina Coll.

High School Report

by Jack Shepard

(Send prep statistical information to P.O. Box 36341, Houston, Texas, 77036. This report covers material received through May 12.)

The prep season hit full flower this past month with two national records, the tie of another, a superb Texas state meet, and a raft of top marks as other states progressed towards final showdowns. Four field events--the triple jump, javelin, pole vault, and shot--clamored for headline space.

In the javelin, Mike Daniels (Central Linn, Halsey, Ore) had an early season 223'0", but since then all the news is from Kansas and Pennsylvania. Senior Jim Pearce (North, Shawnee Mission, Kans) got hot and topped the state record with throws of 228'5" (April 15), 235'4" (April 25), and in his regional 5A meet on May 9, 244'7", to rank third best ever among prep performers. Second in that last meet went to junior Bob Obee (Wyandotte, Kansas City, Kans) with a national junior and age 16 record of 229'3". Meanwhile in Pennsylvania, Ambridge senior Ray Mushinski hit 239'4" to round out the best spear tossing in some time.

The triple jump has been just as hot. Soph Dave Tucker (Memorial, Fresno, Calif) has a slim lead after his 50'½" at the Fresno Relays. Zack Gilson's (Peekskill, NY) 49'10½" at the Penn Relays is now reported as legal. The longest mark has come from Santa Clara, California's, Harry Freeman who bounded 50'7¾" with an aiding wind.

Casey Carrigan (Orting, Wash) broke out of a bad-weather-and illness slump with a fine 16'0", May 2. He missed at 16'7". His previous best, having competed in only three meets prior to May, was 15'0". Carrigan didn't keep his national lead for long as Steve Smith (South Torrance, Calif) raised his best from 15'8½" to 16'4½" a week later. Other top vaults are a city record 16'1" for Bob Pullard (Los Angeles HS) and a state record 15'2¼" for Mario Ray (Chandler, Ariz). Jesse Stuart (Glasgow, Ky) took over the shot lead with a big 68'4" toss, May 9, for a national junior class record. He had previously raised his best from 67'4½" to 67'4½".

The national record tie came in the Florida state meet, May 10 at Gainesville, when Killian of Miami clocked 3:11.8 in the mile relay to equal the 1967 record set by Spring Branch Memorial of Houston. Killian got great legs of 47.3 from Ken Thompson and 46.2 from anchor Larry Black (also the fastest prep in the 440 this year). Porter Thompkins (49.3) and Robert Anderson (49.0) ran the first two legs. Amos Machanic (Miami Jackson) took the flat 440 in 47.3.

Distance running is a three-way affair among Oregon, Kansas and California. A week prior to Steve Prefontaine's national record two-mile, Doug Crooks (North Eugene, Ore) and Mike Hann (Benson, Portland, Ore) had run 9:03.0 and 9:03.4 in separate meets while Jon Callen (East, Wichita, Kans) had nipped Dave Anderson (South Shawnee Mission, Kans) at the Kansas Relays as both ran 9:03.4. In California, West Torrance junior Ron Johnson added his name to the list of fine runners with a 9:03.0, after 4:13.9 and 9:08.8 on consecutive days two weeks earlier. At the Mt. SAC Relays, Fred Ritcherson (Salesian, LA) won in 9:05.8 to 9:06.8 for Dave White (El Modena, Orange) and 9:10.2 for Tom Keefer (Anaheim). Prefontaine made an all-out attack on four minutes May 9 at Coos Bay, but cold weather and a 60.0 first lap hampered him but he still clocked 4:06.9, easily the national leader. Next fastest is Bobby Sahuque (Redemptorist, New Orleans, La) at 4:08.4, while Chuck Baker (Elkhart, Ind) has 4:08.6. Del Ramers (Dunedin, Fla) claimed his state title with 4:10.4. The half-mile found a new leader in Willie Thomas (Inglewood, Chicago, Ill) at 1:51.1. Rico Sanchez (Canoga Park, Calif) clocked 1:51.6 to also shade the previous national leader by a tenth, George "Crazy Horse" Jones (Yates, Houston, Tex).

Most of the top Texas marks came at the State meet, but a few athletes turned in season's bests on the way to Austin. Joe Wylie (Henderson) ran a 37.0 for the 330 intermediates April 26 in beating the 37.4 of Mike Cronholm (Lake Highlands, Dallas). Wylie added a windy 14.0 and a 167'1" discus toss. John Smith (Brenham) was a double winner in 9.4w and 21.0w in the same meet in Pasadena, Texas, as the hurdles shone at Corpus Christi. Efern Gipson (Refugio) won with a windy 13.8 while Artie Brown (Angleton), Donnie Rogers (Bay City), Greg Pruitt (Elmore, Houston) and soph teammate Scottie Jones, all ran 13.9s. In west Texas, soph Randy Lightfoot (Plainview) ran a windy 13.7 while Pryor Nunn (Coronado, El Paso) came close to the state lead with 189'11"



In prep history, only Bob Bornkessel has run the 330 intermediates faster than JOE WYLIE. The Texas state champion from Henderson High School has run 37.0, and his versatility can be measured by his 14.0 in the highs, 22'4½" long jump and even 167'9" discus. (Photo courtesy of Henderson Daily News)

in the discus. Joe Pouncy (Lincoln, Dallas), a member of the 40.7 record 440 relay team, had a 21.1 in his regional meet. Texas had nine teams at 41.6 or better and 12 teams under 3:18.0 in the mile relay. Top come-from-nowhere team was Houston Worthing which ran 3:15.5 after a season best of 3:21.0 the night before.

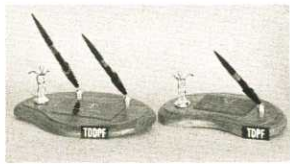
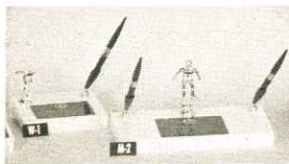
Rod Milburn (Clark, Opelousas, La) and Spencer Thomas (Carver, New Orleans) continue to shine. At the LIALO meet, May 3, Milburn whopped Thomas, 13.6 to 13.9, in the 39" highs, but Spencer has his usual triple with 22'9½" and 48'9½" wins. The same meet saw Baton Rouge McKinley run 41.6 and 1:27.6, the first a state record, the second equaling the record, a mark also run by Opelousas the same weekend. Thomas stretched out 24'4½" at the NORD meet, May 16, but wind information is lacking.

Hurdlers in California have begun to roll. In the highs, Jerry Wilson (Roosevelt, Fresno) ran 14.0 in his city meet, then took the Fresno Relays in 13.8. Steve Dille (Alemamy, Mission Hills) ran an out-of-nowhere windy 13.5 and Charles Rich (Los Angeles) has a wind-blown 13.6. Dan Redfern (San Juan, Citrus Heights) has two 13.8s and an 18.0 lows mark. The Los Angeles area has some fast 180 lows to report. Rich scooted to 14.0 and 18.6 marks in his league prelims, the latter time being equaled two days later by Pomona's Mark Low. Earl Adkins (Locke, Los Angeles) ran 13.8 and Rich Wood (Estancia,

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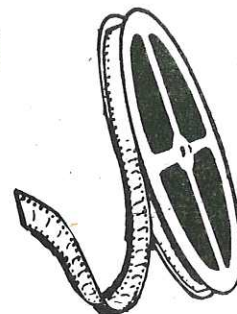
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Meet Information

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4TH ANNUAL STANLEY MEMORIAL, held on July 26 at Nazareth, Pa., High. One of the best AAU/age group meets in the US. Events for girls 6-13, boys 6-18, women, men. Write Todd Jones, 48 S. Broad, Nazareth, Pa., for entry blanks.

SACRAMENTO INVITATIONAL TRACK AND FIELD MEET. Sacramento Jaycees host the Sacramento Invitational-Pacific Assn. AAU men's and women's track and field championships June 21. Afternoon events begin at 12 noon with evening events (all finals) beginning at 5:15 p.m. Ticket information: Reserved seats \$4.00, general admission \$3.00, students with cards and servicemen in uniform \$2.00. Tick orders available, Sacramento Invitational, 1318 G Street, Sacramento, Calif. 95814. Phone (916) 457-4921.

EAST COAST MASTERS track and field competition is scheduled for 40 and over athletes, June 14 at Virginia Beach, Va. Three divisions, 40-49, 50-59, and 60 and over. No entry fee. Write R.E. Whitley, Virginia Beach Chamber of Commerce, Box 190, Virginia Beach, Va. 23458.

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JUNIOR NATIONAL AAU TRACK CHAMPIONSHIP, July 5, Milwaukee, Wisc., at West Allis Hale, all-weather track. Team trophy--1st and 2nd. Also junior national AAU 15-km. run and junior national AAU 10-km. walk, July 4, Milwaukee, Wisc. Contact: Milwaukee Track Club, Don Simeth, 4707 West Townsend, Milwaukee, Wisc. 53216.

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Killian of Miami picked up a piece of the prep mile relay record with 3:11.8 in the Florida state meet. (from left) PORTER THOMPSON (49.3), KEN THOMPSON (47.3), ROBERT ANDERSON (49.0) and LARRY BLACK (46.2) were involved.

Costa Mesa) has a windy 18.6.

Surprisingly, with all the fast sprint relay teams around, the sprints have been weak this season. Only eight legal 100 marks, all at 9.5, so far. So, coaches, please send in your 9.6 marks as well. Latest additions have been Gerald Tinker (Coral Gables, Miami, Fla) with 9.5 and 21.1 (twice) and Jackie White's (Santa Ana, Calif) 9.5. David Perkins (Westwood, Mesa, Ariz) has a recent wind-information-less 9.5.

National record holder Reynaldo Brown (Compton, Calif) still leads a weak high jump field at 6'10½", but soph Randy Fulkerson's (Santa Fe, Santa Fe Springs, Calif) 6'9" is impressive--just a quarter inch off Brown's sophomore record. Decathlete Fred Samara (Ft Hamilton, Brooklyn, NY) improved to 24'3" May 3 while Marvin Brown (Sam Houston, San Antonio) and Phil Lusk (Moody, Corpus Christi) went 24'3¼" and 24'2" in a regional meet duel.

Only new discus mark of note is the 185'1" of junior Mike Davis (Hillsdale, San Mateo, Calif) to give the lower San Francisco Bay area four men over 185-feet. Possibly the tallest tosser is 6'7" Rob Andrew (Castle Rock, Wash) at 176'9". Doug Greenwood (Hotchkiss, Lakeville, Conn) has the best hammer

mark, a good 193'4".

There have been some excellent relay marks outside of Texas and the Penn Relays reported earlier. Killian of Miami lowered its 880 best to 1:26.1 and did 1:26.6 the same day as its 3:11.8. Central of Kansas City, Mo., with Marvin Foster anchoring in 20.1 has run a 1:27.3. Central's sprint medley best is 3:28.1, but Roselle Catholic, Roselle, N.J., off a big 1:50.5 anchor by Joe Savage, bolted to the lead with a 3:27.2, May 4. In the longer races, Burlingame, Calif., ran a fine 10:16.2 distance medley and Point Loma, San Diego, topped Monte Vista, Spring Valley, at the Mt. SAC Relays, 17:52.2 to 17:59.2. Roselle Catholic also has a time here of 17:53.8. At the New York Relays, Power Memorial, NYC, topped Molloy, Jamaica, LI, 7:44.4 to 7:48.4, over two miles. The strong relaying from the New York-New Jersey area indicates some fine individual marks will be showing up next month.

Prep Panorama

by Fran Errota

(Send prep feature material to P.O. Box 781, San Jose, Calif. 95106)

Some may wonder why Doug Dickinson (Newport News, Va.) has not exceeded 50-feet in the triple jump. There are reasons besides the fact that 50-feet is a great leap, especially for one still in high school. Doug is capable of going past the 50-foot mark, and he may well surpass it in the near future, but he's been competing in up to seven events in some meets. He's won as many as six events in one--the 100, 120 high hurdles, 180 low hurdles, as well as the triple, long and high jumps. As a result, his triple jumping may seem below par, if 48'8" can be considered below par. In a regional meet May 10 in Norfolk, he was defeated by Darryl Kelley (Denbigh, Hampton, Va.) who leaped 48'8½". They were scheduled to meet head-on May 16 in the State championship meet, where the triple jump was scheduled first.

Some good marks from the Penn Relays not previously mentioned included 3:16.6n by Boys of Brooklyn, 3:17.0h by Fordham Prep, 7:53.4n by Molloy, 7:55.6n by Farrell of Staten Island, 7:55.0 by Massapequa... When Fred Samara won the long jump (23'9¼") and the pole vault (13'6" on the fourth try of a jump-off) at the Glenn Loucks Memorial Games at White Plains on May 10, it marked his 10th straight long jump-pole vault double in major competition over a two-year period.

The second annual Loucks Games produced many fireworks including the 880 triumph of Brian McElroy over Joe Savage, 1:53.3 to 1:54.1. A tough crosswind hampered both runners. Mac followed for 700-yards, then let loose a strong kick for a seven-yard win. Other noteworthy marks included Don Christianson's (Baldwin) 9.6 in the 100; Dennis Fikes' (Rice) 9:13.0 in the two-mile; Scotch Plains, Fanwood, NJ, two-mile relay in 7:53.8 (Gary Proto anchored in 1:55.9), and, Dubois (NYC) 7:55.6, and Molloy 7:55.8, followed; Gilbert Gaul (St. Benedict's Prep) 204'11" in the javelin; and, Zack Gillon (Peekskill) 48'10¾" in the triple jump... Dave Herman (Shaker, Latham, NY), only a 10th grader, clocked 19.6 for the 180 lows April 26 in Albany... Jimmy Gailey, also a 10th grader at Clear Creek in League City, Tex., set a class mark of 39.1 for the 330 hurdles with his fourth place in the Pasadena Invitational, April 26. Joe Wylie of Henderson won that race in 37.0. Gailey had been timed in 39.3 during the prelims to equal the previous soph standard.

World Report

Europe: Newcomers Bedford, Drut, Donins Sparkle

by R. L. Quercetani

The sudden rise to fame of three newcomers marked the beginning of the outdoor season in Europe. Dave Bedford of Britain lowered his country's 10,000-meter record to 28:24.4, and did it at the age of 19 years, 3 months; Guy Drut of France, who is exactly one year younger than Bedford, ran the high hurdles in 13.8; Janis Donins of the USSR moved in the footsteps of another famous Latvian with a javelin throw of 272'11½".

Bedford made news at London's Crystal Palace on April 19. In what was practically a great solo effort he had the rare distinction of beating his 5000-meter best (14:24.0) twice, with 14:14.4 in the first half and 14:10.0 in the second. His final time, 28:24.4, ranks him 13th on the all-time world list. In terms of age, however, he is more precocious than all those who rank ahead of him. European record holder Jurgen Haase of East Germany did 28:12.6 in 1966 at 21. Bedford's exploit tends to pale only if compared to Gerry Lindgren's six-mile world record (27:11.6 in 1965, also at 19 years, 3 months). Bedford's previous best was a mere 32:16.0, but he could also point to a 29:15.8 for six-miles (1967). Second place went to John Bednarski, barely 20, with 28:51.8. Bob Richardson, third in 28:57.0, also beat the European Championships standard (for Athens), 29-minutes.

Guy Drut, a pupil of former European decathlon champ Ignace Heinrich, was one of Europe's outstanding juniors last year. Born on Dec. 6, 1950, at Oignies (Michel Jazy's birthplace), he then-ran the highs in 14.1, vaulted 15'5½", high jumped 6'5½" and threw the javelin 185'10". In an early season meet at Angers, May 1, he went over the 110-meter high hurdle route in 13.8, thus missing the French record by one-tenth-of-a-second.

Janis Donins, 23, is intent on adding lustre to the Baltic tradition in javelin throwing. After Sule, Issak, Vallmann, Lusis and Paama, here's another world class performer from that relatively small area. He threw 83.20 (272'11½") at Riga, April 27.

Eddy Otzto, completely untrained, suffered one of his rare defeats on home ground in a 200-meter hurdle race at Milan, April 20, finishing no better than fourth in 24.6. Two weeks later he lost to his perennial underdog, Sergio Liani, over 110-meter high hurdles--time for both, 14.2. Good form was shown by two other Italians: Francesco Arese (1500-meters in 3:43.8) and Renato Dionisi (16'5" pole vault).

Gyula Zsivotzky opened with a modest hammer throw of 222'9" at Bayonne, April 7, then improved to 227'3½" at Budapest, May 3. France has a real comer in this event: Jacques Accambray, 19, who reached 216'1½" at Tourcoing, May 4.

East German shot putters are off to another presumably great season. Hans-Joachim Rothenburg did 64'11¼" and Hans-Peter Gies upped his personal best to 63'5½".

Britons say they have a "budding decathlete" in the person of Dave Hemery. At Oxford, April 12, he competed in four events, doing 14.3 (wind) in the highs, 24.8 in the lows, 5'10" in the high jump (Fosbury flop) and 133'6" in the javelin. On May 3, at Crystal Palace, Hemery got his first taste of decathlon-like competition in a specially-organized pentathlon. He opened with a personal record long jump of 23'4", slumped in the javelin with 127'1", sprinted 22.1 for 200-meters, reached only 95'3" in the discus and finished off with a good 4:22.8 1500 for a British national record 3237 points.

South Africa: Nash 20.7n, Poggenpoel 46.4m

by Harry Beinart

The South African Games were held on a standard sized track at Bloemfontein on April 19. Of the many athletes from various countries who had originally intended to compete, only the New Zealanders and a few Britons turned up, the others bowing to political pressure and withdrawing.

The best competition perhaps was seen in the 400-meters, won by Fred Poggenpoel in 46.4 from Dicky Broberg (46.6), Britain's Colin Campbell (46.8) and Johann Byus (46.9). Broberg, however, came to victory in his best event, the 800-meters, in 1:48.2. John Whetton of Britain easily triumphed in the 1500-meters (3:52.6), in the absence of the man who had beaten him at the South African Championships, Fanie Van Zyl. The latter was hospitalized a few hours before the race and operated for appendectomy.

Doubles were scored by Paul Nash in the metric sprints (10.4 and 20.7) and by Robin Tait of New Zealand (shot 56'10¼", discus 181'9"). Howard Payne of Britain again shattered the South African all-comers record for the hammer, with a throw of 215'5". Other winners: 5000m, Rex Maddaford (NZ) 14:36.8; marathon, Jeff Julian (NZ) 2:28:23.4; 110mHH, Wim Coetzee 14.0 (Alan Pascoe of Britain fourth in 14.3); 400mIH, Ronnie Wellman 51.7 from Anthony Botes, same time.

T & FN SALUTES

Wilt, the Technique Man

by Joe Henderson

It's a hobby--nothing more, Fred Wilt quickly assures anyone who's led to believe he spends at least every waking moment immersed in the theoretical details of track and field techniques. This is the Fred Wilt who has spent most of his 48 years studying the hows and whys behind top performances; the man who in the last decade has produced a stream of the most influential technical literature in the track world--"How They Train", "Track Technique" and "Run Run Run"; the coach who "advised" (his word) Buddy Edelen when Edelen was the fastest marathoner the world had known.

But, Fred repeats with emphasis, track is strictly a spare-time thing. He's an FBI agent, and that's where his overriding loyalty lies. He doesn't depend on either editing or coaching to sustain him. "About 22 years ago, I made a decision not to become a coach. In fact, speaking strictly for myself, I am certain I am happier taking my track and field strictly as a pleasant hobby during spare time. I do not feel any obligation at all to 'get more done' or for that matter get anything done. The books I have written, and the honorary position of editing Track Technique, just somehow happened. I rather fell into these ventures, and I therefore have no particular obligation or goal in track and field."

Wilt's association with track, however, isn't quite as casual as his description. With the obvious demands of his work and family (he has a wife and three daughters) life, the "spare time" he talks about is at best scarce. Yet the volume of work he turns out on track technique, and the tone of his writings, indicate he's a hard-driving, energetic personality who doesn't enter anything with half a heart. From all appearances, he hunts down obscure facts about New Zealand distance training (or Russian high jumping, or Hungarian hammer throwing) with the same diligence he uses to track down a suspected lawbreaker.

His passion for technical knowledge sprang up the moment he started his 20-year racing career. Fred wrote in introducing "How They Train": "As a 14-year-old freshman in a small Indiana high school, I was the only miler on the track team. Track training knowledge was unknown to my coach and others in the area. Each race was a bitter experience in terms of exhaustion, and I suffered many infuriating defeats at the hands of athletes from larger schools who had the benefit of better coaching and more thorough workout programs. I consulted what literature I could find on the subject of training but found nothing specific which I could actually use."

So began Wilt's unbroken search for information. Collecting bits and pieces of theory from a thousand sources, and using himself as his guinea pig, he developed some solid training ideas of his own. He also developed himself into one of the top all-around distance racers this country had seen. Highlights of that career: Olympic team membership in 1948 and 52; American records at 3000-, 5000-, and 10,000-meters plus two-miles; a world indoor mark for the two-mile; nine AAU championships and two in the NCAA.

"My own 20 years of competitive racing have been a beneficial experience in many ways," he said. "As an athlete, I visited Europe on seven different tours and always sought to get acquainted with the national coaches of the various countries I visited. Through the sport, I have enjoyed many pleasant associations which probably would not have been otherwise available to me. It is thus fitting that I should attempt to make some tangible contribution to the sport in token appreciation. My attempted contribution is an effort to disseminate training knowledge."

His first big effort in that line was "How They Train", a collection of training data on past, present and future leaders from the half-mile up. The Track & Field News-produced book was an instant hit when it came out in 1959. Ten years and five printings later, "How They Train" still ranks among T&FN's three best-selling books of all-time. Another Wilt effort, his 1964 "Run Run Run", also is in that top group, trailing only "The Jim Ryan Story" in sales. Track Technique, which Fred has edited since 1960, now has a quarterly circulation of over 2000 and is in big demand for single copy sales.

But money-making aspects of his editorial works are secondary to their influence. "To my way of thinking," Wilt said, "knowledge which is kept secret is useless." If nothing else, he doesn't keep secrets. His publications look at the sport from all angles, presenting varying opinions in depth that was never approached prior to 1959. "The main factor behind the tremendous upsurge of running interest and quality during the last 10 years is better coaching. Specifically, our high school coaching is now better than ever before. Most everyone knows how to train properly. Better informed coaches result directly from better communications now. Anyone interested can purchase good books on training and get the latest technical info simply through Track Technique and similar publications. The US will never be behind the world on training knowledge in the future."

Fred isn't one to sit still for long. He's a doer, not just a thinker and a preacher. He has been heavily involved as a lecturer-participant in the "learn-by-doing" coaching courses of England and Canada, performing the events as well as teaching them. Almost any night, sometimes as late as 10:00 p.m., he can be seen running near his Lafayette, Ind., home. His routine more closely resembles that of a decathlete than a middle-aged distance man. "I am NOT a jogger," he says emphatically. "I am still a runner. I am so pressed for time that I cannot run as much as I prefer. Therefore, to keep in the best possible condition, I start out jogging 110-yards, then run fast for 220 ('fast' is about



Twenty years ago, FRED WILT (center) was winning races. Now he's advising other on how to do it by producing a mass of technical literature. Wilt, who now edits Track Technique in his spare time, is shown here with two leading US runners of his day, HORACE ASHENFELTER (left) and CURT STONE.

35-40 seconds), jog 110, etc., for 2½ miles. I also do about five minutes of weight training with a 100-lb. barbell two or three times each week. Either before or after I run, I do 50 to 100 turns with a 12-lb. hammer. If I am taking the workout in daylight, I usually take 10 hammer throws. My best is around 150-feet. On weekends, and some weekday evenings in summer, I take 40 discus throws, 20 puts with an 8-lb. shot, and some javelin throwing. In summer I vault a little, do easy triple jumps and a bit of high jumping." Whew.

A few years ago, Wilt in Indiana was helping Bud Edelen in England prepare for marathons. They made quite a combination, though Wilt tends to play down his role. Within a year of his first 26-miler, helped along by frequent and lengthy correspondence from his advisor, Edelen improved to 2:14:28--the fastest in the world at that time (1963), and still an American best. Then Bud's progress was cut short by a leg injury. "I may have helped Buddy a bit," Fred says, "but my help to him was more in regard to other issues than actual training. I have given him schedules, etc. But this business of coaching by correspondence is something which I do not like to do. I avoid it. Edelen is the only one whom I could say I actually associated with over a long period of time in an 'advisory' capacity. I coached a season in high school in South Carolina, and at both the University of Tennessee and Indiana University while attending those institutions. However, I do not hold myself out to be a coach."

He may not be a coach, or call himself one, but Fred Wilt is no doubt one of the strongest supporters they have. He said flatly, "I like to think there are no bad coaches. They are all terrific." In a passionate defense of this country's coaching system, he proclaimed, "Coaches make track and field in America. Make no mistake about that. I do not like to hear people criticize coaches, because the very life-blood of the sport is the coaches themselves. The day is long-past when track and field can and will thrive and prosper in the hands of volunteers. The future of the sport lies in the hands of the paid, professional coaches in America. To all would-be critics of coaches, I say I will have no part of it. American coaches are directly responsible for making America the greatest track and field nation the world has ever known, and I salute them and give them every respect and honor for their great work."

Still, Wilt feels track has "only scratched the surface" in this country, that much more can and will be done in the future. He says the key is the development of a powerful club system, preferably supported by industries which provide facilities and equipment, hire professional coaches and pay expenses. "When (or if) this happens, we will be giving the non-collegiate working man (and woman) more opportunity to play the game. The records will tumble."

Meanwhile, Wilt keeps digging into the area behind the records, searching for clues on how they happened and how they can be improved. Recently he has collaborated with Tom Ecker to produce two new books, "Illustrated Guide to Olympic Track and Field Techniques" and the soon-to-be-published "International Track and Field Coaching Encyclopaedia". Fred now is busy revising "How They Train" and hopes to put out a similar manual on the field events.

All this in his spare time? That's what he says. Next year he's eligible for FBI retirement, and who knows what might happen if he decides to turn full energy and attention to the sport?

"Crazy Horse" Houston Heavy

by Jack Shepard

He has been called crazy, eccentric and a show-off, but there is never a dull moment when George "Crazy Horse" Jones steps onto a track. Every sports fan in Houston knows of him, and people come to meets to watch George for no one knows what entertainment he will provide next. For three years,

Houston area meets have been happier competitions to attend as the 6'3½", 170-lb. Yates High School senior has astonished and amused fans with his light hearted manner off the track and his competitive heart while racing. In mid-April, Jones clocked 1:51.7 to top the nation's half-milers, and except for the Texas State prep championships his only losses have been at the hands of close



Leather bit in his mouth, GEORGE "CRAZY HORSE" JONES gallops along in an 880. Not only does Jones display some delightful eccentricities, but he can race through a fine half-mile. His 1:51.7 is third-fastest nationally this season. (Photo by Jerry Click, courtesy of Houston Post)

friend and rival Willie Blackmon (Houston Wheatley), who has run 1:52.1. What sets George apart from all the other good two-lappers in the nation's prep ranks are the antics he pulls on and off the track, the outgrowth of

his warm and friendly personality. George has affected the mannerisms of a horse and wears a leather bit in his mouth while racing. When warming up, Jones canters, lopes, trots and occasionally emits a whinny. He wears a large medallion and belt buckle with the name "Crazy Horse" on them.

George Jones acquired the name "Crazy Horse" from his junior high school coaches, one of whom called him his "horse" and another of whom said he was "crazy" after watching his shennanigans. As a sophomore miler, George easily won the Texas Southern Relays prep mile, and as he sprinted across the finish he released two small parachutes he had carried during the race in order to slow his jet-propulsion--a la the dragsters. In this year's Texas Southern Relays, George ran at night in a driving rainstorm, so naturally he needed his "shades" so as not to hurt his eyes.

George Jones came to Houston in 1965 to live with his uncle, William Hamer, after a restless and trouble filled childhood in Montclair, New Jersey during which period he attended eight institutions for boys. He tried out for track in the eighth grade but was told he was too clumsy to be an athlete. Lots of hard training by himself proved his coaches wrong, though his style cannot be described as graceful.

While some may regard his actions as eccentric, his attitudes can hardly classify him as adult defying. He is quick to lay credit on the people who have meant something to him, and family and relatives come high on that list. His uncle "keeps me straight and treats me as though I were his own son. He has put all his heart and soul into helping me. In fact, he has gone out so far to help me he needs a road map to find his way back". And then he says he's not running for himself so much as he is for "my mom, grandmother, three sisters, a brother and friends back home". He wants to study biology in college but is also considering a career as a police officer, possibly in Houston.

The antics may be several fold. To George, the most important is the recognition and, hopefully, notice by the college recruiters. He has received something close to 20 offers. Partly, it is his psychological warfare against the competition, except for those who have run against him many times like Blackmon. And partly, George feels it keeps him loose and his mind off the pre-race jitters. Too, it is just George.

As a sophomore, Jones was the State Negro mile champ. He switched to the half-mile last season where he just missed one of the two qualifying berths for the State meet. This year, George, along with friend Blackmon, made it all the way to Austin for the State meet but George had a bad day while Blackmon went on to win the title.

His training does not appear to follow a set schedule, for some days it may involve runs between 10 and 14 miles and other days he works on breathing techniques. For lack of a training partner of his caliber, he will use the city buses as a pacer.

After one meets George and watches him run, one must conclude he is crazy. Crazy like a fox.

Profiles of Champions

Kvalheim Produces Series of Fast Times

Arne Kvalheim places a great deal of importance on being psychologically prepared for races. "Very often, the difference between a victory and a defeat, at least when runners of the same ability meet, is based on the psychological preparation for the event," Oregon's distance ace from Norway says.

The day he ran this season's fastest three-mile of 13:23.2 he must have been a little extra "psyched-up". The night before, when the Oregon team arrived in Los Angeles for their dual meet with Southern Cal, a telegram was waiting for Kvalheim at his hotel. It informed him that his wife, Kirsti, had given birth to their first child the day before back home in Norway.

The next day, Arne ran along with such quality runners as teammates Tom Morrow and Norm Trerise and Southern Cal's Ole Oleson for a mile before taking off. He blistered the remaining eight laps in under 8:45 to post his 13:23.2, still the nation's fastest. He also claims the second-fastest mile this year of 4:00.8 and the third-fastest two-mile at 8:39.6.

Not surprisingly, Kvalheim hasn't been beaten this year. He collected the Northern Division three-mile in 13:32.2 and the PAC-8 twelve-lapper with 13:39.4, each time by comfortable margins.

Such outstanding performances are nothing new to this lean, blonde Scandinavian. He lowered the collegiate two-mile record to 8:33.2 last year and left former record holder Gerry Lindgren some five second arrears in the process. He also sped a 3:58.5 mile and confesses that the mile is his favorite event (his outstanding performances over longer distances notwithstanding). He pushed Lindgren through 11 laps of the NCAA 5000-meters before fading to fourth. At home last summer he recorded some fast 1500-times (his best of 3:38.5 came against Spain) but he didn't make the Olympic final.

The Norwegian record-holder began running as a 17-year-old at the urging of his father, a 5000-meter runner on the Norwegian national team before World War II. Arne came to Oregon in 1967 claiming impressive 1:49.0 800-meter and 3:42.1 1500-meter times. That year he lowered his bests to 1:48.7 and 3:40.4. He credits Oregon coaches Bill Bowerman and Bill Dellinger with much of his improvement.

"I've learned a lot about track while I've been at Oregon," he says. "Most important, I've learned how to train. Bill taught me that the very first year." Kvalheim trains all year round, seven days a week and often twice a day. "I feel that eventually I would have reached the same level of performance," he says, "but it would have taken me a year or two longer."

He hopes to return to Oregon for graduate school, but even if Arne shouldn't make it back, Oregon's foes will still have to face a Kvalheim--his little brother Knut, who will enroll at Oregon this fall. A strapping lad (6'3", 165 lbs.), Knut is a distance runner, naturally. He has run 3:50.1 for the 1500 and 8:30.0 for 3000-meters. "I'm probably not objective about it," Arne says, "but he's definitely better than I was at age 18."

Kvalheim says that the man-to-man competition of running gives him

the greatest thrill. "When you step out on the track, it doesn't matter who or what you are. How you perform is the all-important thing." He feels that his career has been most influenced by Auden Boysen, Norway's 1956 Olympic 800 bronze medalist. "He was president of my club when I was a junior and I needed someone to look up to," Arne says. "As the best runner ever in Norway, he gave me great inspiration." The way Kvalheim has been running this year, Boysen may have to surrender his position as Norway's greatest runner. Arne Magnus Kvalheim was born Apr. 25, 1945 in Hønefoss. (by Jon Hendershott)

Year	Age	Club/School	800	1500	Mile	2Mile	3M/5000m
1964	19	Tjalve	1:53.0	3:49.0			
1965	20	Tjalve	1:49.5	3:45.9			
1966	21	Tjalve	1:49.0	3:42.1			
1967	22	Tjalve/Oregon	1:48.7	3:40.4	3:59.4	8:47.2	13:54.0y/14:00.4m
1968	23	Oregon		3:38.5	3:58.5	8:33.2	13:14.6'y/13:46.4m

South Torrance: Smith 16'4 1-2", Underwood 4:13.3

Stanford may not wind up with either, but South High in Torrance has two California standouts and both come from families with a background in Stanford athletics. Steve Smith, defending California State champ in the pole vault, has scaled 16'4½" as of this writing, and Decker Underwood was among the mile leaders with a 4:13.3 best and three races under 4:14.0. Smith leads the nation.

Steve's brother, Chuck, scaled 15'8½" for a Stanford school record in 1965 (since surpassed), the exact best Steve had until his 16'4½" clearance in the Southern CIF quarter-finals meet, May 10, in Inglewood.

Coach Dick Scully at South sees a future for Steve in the decathlon. "He has long jumped 22'½", high jumped 6'2" and run the 180 lows in 19.9," says Scully. "He has great endurance and he has run two years of cross country. He needs work on the shot, discus and javelin."

Scully started Steve in vaulting as a nine-year-old. "He started with a television antenna in the back yard," notes Scully.

Underwood's rise in track is also interesting. His father, Bob Underwood, was a standout tennis player at Stanford in the late 1930s and Decker was brought up with a tennis racquet in his hands.

"I got him out for cross country in his freshman year, but he played tennis in the spring," says Scully. "In his sophomore year, he did both, and he earned varsity letters in each."

"Fortunately for track," the South coach relates, "his father could see that Decker was headed for an outstanding career in track. So now Decker runs track nearly full time and I encourage him to play tennis the day before a meet."

Torrance has produced many great athletes through the years, particularly in the distances. One of the greats was Louis Zamperini, who held the prep mile mark for many years and who later claimed fame in the flag-pole incident at the 1936 Olympic Games in Berlin and again when he survived the dangers of war and a Japanese prison camp in World War II. (by Fran Errota)

of People and Things

by Bert Nelson

It's good to see the United States Track and Field Federation picking up the pace in its contributions to our sport. For far too long the major portion of the resources of the USTFF were squandered in fighting with the AAU. Indeed, it seemed the federation had no other purpose. Now, I'm happy to note, the USTFF is in many cases more advanced in its activities than either its parent body, the NCAA, or the AAU.

This year, under the productive new leadership of ex-Arizona coach Carl Cooper, the federation has instituted a national coaching school, the indoor national relay championships in the Astrodome, an athlete of the year selection, and national championships in both the marathon and decathlon. In both its invitational indoor meets, in New York and Los Angeles, it served the sport well by making the facilities available in the afternoon to lesser athletes who could not qualify for the evening invitational affairs. Over 900 athletes competed in each meet, while the Astrodome attracted 1400 competitors in 47 events over a 13-hour period on Friday and 4½-hours on Saturday.

Add the national championships in track and cross-country and co-sponsorship with the United States Jaycees and Pepsi-Cola of the Junior Champ program for 8- to 18-year-olds, and you have a worthwhile program.

Let's hope the USTFF will continue to forge ahead and that the AAU will try to keep up. Even the NCAA's well-rounded program can be improved. How about an NCAA decathlon championships, now that the AAU, USTFF and NAIA all have paved the way? It's a grand event that needs help from above. And how about some "half-decathlons" in conjunction with one day relay and invitational meets? Some meets could schedule the first day's five events while other meets put on the second half of the decathlon. Each would give the athlete fine experience and would introduce fans and coaches and other athletes to the joys of the event.

OF PEOPLE AND THINGS

Wanted, a track nut who is also a tape-recording nut. I think it would be great fun to produce a tape on the sounds of track and field--shot putters grunting, hurdles banging, feet pounding, spectators cheering, officials giving instructions, runners breathing, and all the other unique sounds of athletes, coaches, officials and fans. I'd like to hear from anyone interested in such a project.

Swimming timing and judging are so much more sophisticated than in track that I'm envious. In the bigger meets, all finishers are timed electrically as they touch a pad at the finish. Some systems will automatically flash the results on an electric scoreboard, showing the lane number and time in hundredths of a second for each place. Runners can't use the touch pad system of course, but they can benefit at least from the greater use of electrical photo-timing. And, as a step forward, it certainly should be mandatory to use photo-timer pictures, when available, to produce accurate non-winning times. It's rather silly, isn't it, for Jim Hines and Ronnie Ray Smith to be declared co-holders of the metric century record at 9.9 when they were 11-hundredths apart? If Smith ran 9.9 then Hines had to be 9.8, and if Hines were indeed 9.9 then Smith could only be 10.0. Yet the AAU and IAAF both ignored indisputable evidence of the impossibility of the same time for both.

Based on placings in the Olympics, the Americas should outscore Europe 114 to 100 in their dual meeting July 30 and 31 in Stuttgart. But the Americans should have won the series opener in Montreal two years ago when they lost 100 to 109. With most Americans on hand, to compete in the following duals with West Germany and Britain, it should be a better meet.

BOOK REVIEW

Distances Humanized

by Joe Henderson

No phase of track and field gets a more thorough examination than distance running. It's the nature of the events that much should be written about them. In no other area of the sport is training so directly related to success, and the forms training take are ever-changing. There's fascination, too, with the stoic athletes who by necessity spend more time before the public than any others in track. The runners do much more than aimlessly plod around the track. Distance races are a total physical, mental, emotional experience, and knowledgeable fans sense this. They become emotionally involved.

It's a shame, then, when as so often happens in published literature, distance history gets reduced to tabulated lists of statistics. Facts and figures belong, certainly, but they only tell a small part of the story. They explain "what" happened. To get the full picture, we need to know the "how", the "why" and most of all the "who". British writer George Gretton's book "Out in Front", a history of distance running, goes beyond statistics to what he calls the human factors in the evolution of the sport. "I have tried to humanize athletics," he says. "That is, to offer something from my own knowledge to people who know a lot about running, and also to the discerning reader who does not but is interested in social history. Many books about athletics are of their nature technical and statistical, produced by specialists for students. These fulfill an important function but are often esoteric. I am trying to convey something of the humanity and glamour of athletic competition to people who may never have thought of trying to run three-miles under 15-minutes but who can appreciate the excitement and the aesthetic and social values of this most austere and most colorful form of sport."

Gretton, a former internationalist in the distances and now a social historian, sticks to his "humanizing" approach as he traces the development of competitive running from its origins in ancient Greece to the present. He branches off into discussions of amateurism-professionalism, why athletes run, facilities and equipment and the like, but the bulk of the book examines the leading runners of various eras. He calls them the "Proto-Champions": the English (Walter George, Alf Shrubbs), Finns (Hannes Kolehmainen, Paavo Nurmi, Taisto Maki, Viljo Heino), Swedes (Gundar Haegg, Arne Andersson), Eastern Europeans (Emil Zatopek, Vladimir Kuts, Sandor Iharos), Australasians (Herb Elliott, Ron Clarke), African Abebe Bikila.

What emerges is an interesting addition to the already bulging library of distance running works.

("Out in Front" available from Track & Field News for \$3.95.)

Track Briefs

Device For Testing Horizontal Jump Potential

Every athlete strives to perform to his "potential", but what exactly is that "potential"?

Up to now, there has been no way to accurately measure one athlete's potential over another athlete's. However, Melvin Ramey, an assistant professor of civil engineering at the University of California, Davis, has utilized an electronic device which may substantially aid in recognizing the potential of at least long and triple jumpers.

Ramey, a 48'3" triple jumper in his collegiate days at Penn State, has constructed an electronic force platform that records the force exerted by the jumper at the instant of take-off. This impact, approximately 500-900 lbs., coupled with movies of the movement of the athlete's center of gravity, provide enough information to allow an analysis of the jump and helps isolate the important factors that cause one athlete to jump farther than another.

Ramey uses the basic physics theory of ballistics to calculate the distance the athlete travels during a jump (these same equations are used to calculate the distance a rifle bullet will travel, for example).

Ramey explains, "There is very little data recorded in track and field which aid in recognizing an athlete's ability in his particular event. We measure speed and distance but never the force an athlete exerts."

"In order to long jump or triple jump, the athlete exerts the force on the ground which propels him up and out into the measuring pit. The greater the force exerted, the higher the athlete is raised above the ground and height is essential to quality jumps. If we measure the forces that act on the jumper we can use them to learn many things about him. We can determine, for example, what aspects of training or physiological conditioning will aid his development--or even if there is any potential for the event at all."

Errata, Addenda

1. March II: The bit about Kansas being "the only school to ever have three 60-foot shot putters" appears to have been doubly wrong. Not only has Oregon had three, but Southern California had four at the time the item appeared: Dave Davis (60'5"), Dallas Long (65'10½"), Don Castle (60'9¾") and Les Mills (62'1½") and now has two more... Additions to the Indoor List: 880, Willie Thomas (Ill HS) 1:52.4d. HJ, Joe Roden (Mayville St) 6'10½".

2. April II: On the triples list, UCLA's shot put point total should have been 2920, not 2950. Brigham Young's top three triple jumpers total 2607 points, 15 more than listed leader Nebraska. BYU's personnel: Pertti Pousi 55'9¼", John Konihowski 48'5½", John Robinson 45'8½".

3. May I: We had picture problems, and photographer Steve Murdock was unintentionally slighted twice. Both the shot of John Carlos in the Mt. SAC 100 and the photo of Willie Davenport and Tom White at Mt. SAC were the work of Murdock, not Don Chadez. In another picture caption, Don French was identified as Tom Bonin, and vice versa... We called Rod Milburn a sophomore last year and have referred to him as a junior this season. Jack Shepard informs us Milburn, the 13.5 hurdler, is a senior at Clark HS, Opelousas, La.

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Anything for a picture. A Fresno Bee photographer squatted beside the water jump and risked a good soaking to get this shot of the West Coast Relays steeplechase. He got his good photo, and from the looks of the droplets flying from BOB PRICE toward the lens, the photographer may have gotten his soaking, too. Price closed on Kerry Pearce for second in 8:48.2. Eventual ninth-placer KEN MOORE is right with Price here. (Photo courtesy of Fresno Bee)

cover photo

New Books FROM TRACK & FIELD NEWS



\$3.95

TULLOH ON RUNNING is Bruce Tulloh's long-awaited book on running from 800m. & up. Training schedules for various class runners, analyses of current training methods, motivation, tactics, theory. Enjoyable as well as essential reading for coaches and aspiring runners, by an ex-distance champ with a wealth of experience and insight. 1968. With illustrations. 149pp. **\$3.95**

For Distance
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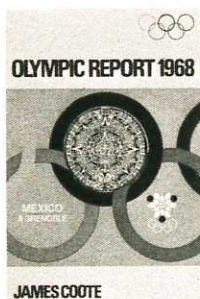
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John Hopkins' **THE MARATHON** is a book for all distance buffs: an excellent history of the marathon, covering all important performers and races through the years. A mine of information on Olympic & other marathons, rules, results. 1966. 110pp. **\$2.95**

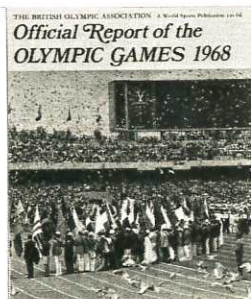


\$1.25

INTERNATIONAL MARATHON STATISTICS--1969 is Roger Gynn's superb contribution. It provides a 200-deep 1968 world list, 200-deep all-time performers and performances (to 1/69), all-time British, European, Japanese lists, progressions, winner of major marathons since 1956, and an interesting brief history. 22pp. **\$1.25**



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James Coote is a sports writer for the London Daily Telegraph. This new book is his highly interesting report of the 1968 Olympic Games, their thrills and controversies, successes & failures. Coote reports on all sports, with a long section on track & field. Illustrated. 224 pp. 1968. **\$3.95**

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TRACK & FIELD, by Kenneth E. Foreman (Seattle Pacific College) and Virginia M. Husted. This is for the beginner and the seasoned performer who can use good, specific information on the development of skills in track & field. It covers techniques of all events, how to speed up your progress, strategy & tactics, rules and other helpful material on the sport. Well illustrated. 72pp. 1966. **\$1.25**

WEIGHT TRAINING, by Philip J. Rasch. The basics of weight training, with a chapter on weight training in athletics. Elementary and advanced methods, dumbbells, taking measurements. With many illustrations & photos. 77pp. 1966. **\$1.25**

CIRCUIT TRAINING, Robert Sorani (U. of Southern California). Circuit training is a concept of fitness development, employing the principle of progressive overload. It aims at circulo-respiratory and muscular fitness especially, and, as such, can be particularly useful to trackmen. This book tells all about it: ABCs, running the circuit, some circuit patterns & exercises. Illustrated. 1966. 72pp. **\$1.25**

PHYSICAL & PHYSIOLOGICAL CONDITIONING FOR MEN, by Benjamin Ricci (U. of Massachusetts). Good all-around introduction to exercise and conditioning: isometrics, weight & resistance training, heart-lung endurance exercises, exercises for particular muscle groups, etc. 64pp. **\$1.25**



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