



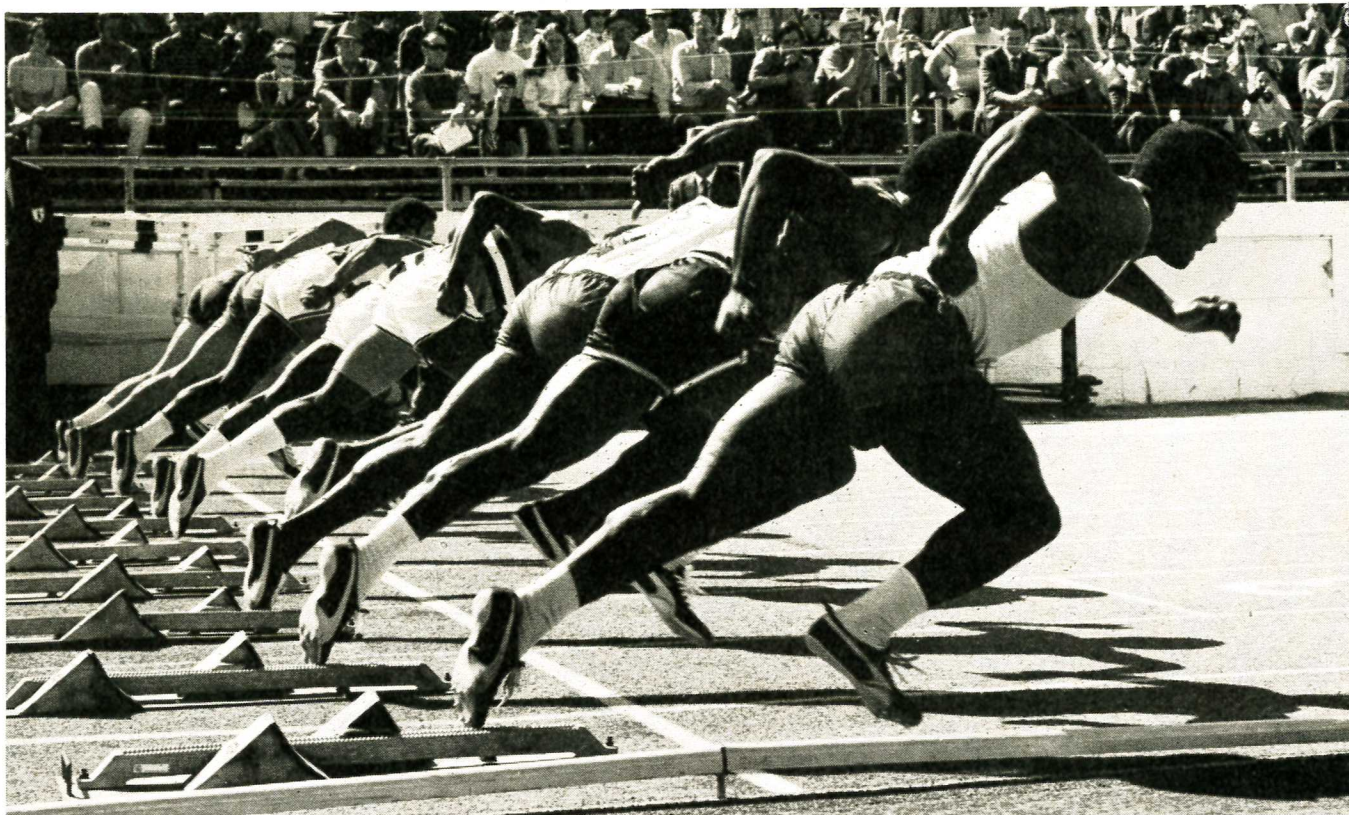
**TRACK &**

**NEWS**

11 February 1972

50 cents





# The Puma Lineup. For Track.



Puma makes top track shoes for top track stars. Track shoes worn by some of the greatest athletes running today.

The Puma #297, specially designed for use on Tartan® and all synthetic tracks, has top grade velour Kangaroo uppers in red with contrasting white Puma stripe; rubber sole to aid in gripping track with 6 detachable needle spikes; padded heel.



The Puma #19.8, a new shoe being introduced this year, lightweight construction; top grade cowhide uppers in white with orange or blue Puma stripe; padded heel and Achilles tendon pad; Pumalon nylon sole with 4 detachable spikes.

The Puma #165, has one-piece uppers of finest quality box calf in white with blue Puma stripe; rolled



padded top; double tread, natural rubber, non-marking sole, arch support; ideal for cross country, badminton, volley ball.

For dealer nearest you or for a complete Puma catalog write Sports Beconta, Inc., 50 Executive Blvd., Elmsford, N.Y. 10523 or 91 Park Lane, Brisbane, Calif. 94005.

## Puma from Sports Beconta.



# POPULAR TRACK PINS



Distinctive, colorful jewelry in the style of the adidas track shoe. 1 1/4" long. Handcrafted enamel. Great award or gift.

## PINS

Wear as tie tack, lapel pin, on shirt, sweater, sweats, etc. The gals love 'em too! Clutch back lets it be worn anywhere. Three colors: white with red trim; white with red and blue; gold with red. \$1.50 each; Three for \$3.75.

## TIE BARS

The same shoe, mounted on a tie bar (or tie clip). White, with red and blue trim. \$1.50 each.

## AWARDS

These jewelry pieces make great awards. Write for quantity prices.

TRACK & FIELD NEWS Box 296 Los Altos, Ca. 94022.

## Best Sellers

Best selling books, January 16-February 15, 1972

- |  |   |
|--|---|
| 1. High School Track-1972, \$1.00                            | 6. Problem Athletes and How to Handle Them, \$5.95      |
| 2. Age Records-72, \$1.00                                    | 7. Run Run Run, \$3.50                                  |
| 3. Motivation and Coaching Psychology, \$2.00                | 8. The Randy Matson Story, \$5.95                       |
| 4. Strength, Power, & Muscular Endurance for Runners, \$2.95 | 9. High School Rules and Records, 1972, \$1.00          |
| 5. 1972 NCAA Guide, \$2.00                                   | 10. Arthur Lydiard's Running Training Schedules, \$1.50 |

All books above available from Track & Field News  
Add 25¢ per book for postage and handling.

## 565! and growing...

It's over FOUR years away, but 565 wise fans have already signed up as of Feb. 10 for Track & Field News's tour to the 1976 Olympics in Montreal. Nearly 100 joined us last month.

We say "wise" fans, since the earlier you sign up the better your chances will be for tickets, accommodations, and so on. Arrangements become more difficult with each Olympics—and Montreal will be the toughest yet. Therefore high priority on TAFNOT becomes more and more important if you want to go to the Games in 1976. Join us now and be sure of seeing the Montreal festivities.

**Munich 72:** TAFNOT is sold out, but we have had a waiting list (\$100 per person, completely refundable if we cannot find you a satisfactory place on the tour. We have moved up 60 persons to the tour since the wait list was established—so there is some hope). Write for details.



Popular Olympic Tours  
since 1952



TRACK & FIELD NEWS • BOX 296 • LOS ALTOS • CALIFORNIA 94022

# TRACK & FIELD NEWS

## About Us

**Bert Nelson** Editor and Publisher  
**Cordner Nelson** Founding Editor  
**Dick Drake** Managing Editor  
**Jon Hendershott** Staff Writer  
**Garry Hill** Statistician  
**Ed Fox** Business Manager  
**Jim Renshaw** Office Manager  
**D. H. Potts**, Associate Editor Emeritus;  
**R. L. Quercetani**, European Editor; **Fran Errota**, High School Feature Editor; **Jack Shepard**, High School Statistical Editor; **Jim Dunaway**, Eastern Editor; **Cindy Labno**, Editorial Assistant; **Chris Young**, Production Assistant.  
**Bob Bowman**, Walking Editor; **Howard Barnes**, Senior's Feature Editor; **Peter Mundle**, Senior's Statistical Editor; **Jim Ferstle**, Distance Running Editor; **Don Steffens**, Postal Editor.

**US Leading Contributors:** Paul Adams, Bill Ahrens, Don Ahrens, Fred Baer, Dick Bank, Marc Bloom, Norman Brand, Don Bundy, Ed Chay, Gene Cherry, Jack Clouser, John Davis, Wally Donovan, Fred Duckett, Stan Eales, Frank Fanrak, Nolan Fowler, Jim Gaines, Tom Gleason, Ed Grant, George Grenier, Randy Hawthorne, Joe Henderson, Bob Hersh, Don Jacobs, Tom Jennings, Art Jester, Mike Kennedy, Kim Koffman, Don Kopriva, Bob Lord, Don MacArthur, Ken Morrison, Steve Murdock, Bob Payne, Jack Petty, Jack Pfeifer, Vern Shearing, Roy Silver, Chuck Skow, Rick Smith, Jim Spier, Bruce Waha, John Wenos.  
**Timers:** Brian Allen, Syd DeRoner, Dick Dodge, Jan Rasey.  
**Photographers:** Don Chadez, Rich Clarkson, Hugh Cox, Bill Daly, Bill Foster, Jeff Jacobsen, Jeff Johnson, Bob Kasper, Jeff Kroot, Bill Meyer, Al Messerschmidt, Steve Murdock, Dick O'Conner, Albert Session, Alan Shapiro, Steve Sutton, Walt Westerholm, Don Wilkinson.  
**World Leading Contributors:** Richard Ashenheim, Harry Beinart, Bernie Cecins, Roger Gynn, Riel Hauman, P.N. Heidenstrom, Andrew Huxtable, Sven-Ivar Johansson, Bruce Kidd, Peter Matthews, Kauko Niemela, Hakan Nordqvist, Robert Pariente, Jack Pennington, Yves Pinaud, Dave Prokop, Lyle Sanderson, Lloyd Swindells, Vladimir Visek.  
**Photographers:** Fionnbar Callanan, Knut Edvard Holm, Ed Lacey, Mark Shearman.

TRACK & FIELD NEWS is published monthly, except February through July, when semi-monthly, by Track & Field News, Inc., P.O. Box 296, Los Altos, Calif., 94022, U.S.A. Second-class postage paid at Los Altos, Calif., and additional mailing offices. Vol. 25, No. 2, mailed February 18, 1972.

**MAILING SCHEDULE:** T&FN is mailed on Fridays: II February—February 18; I March—March 3; II March—March 3; I April—April 7. No issue should require longer than two weeks delivery in the US, proportionately less in areas closer to printing and mailing site of Omaha, Nebr.

## In the Future

**INDOOR**  
**February**  
18 Olympic Inv, New York, NY  
18-19 Central Collegiates, Kalamazoo  
18-19 Western Ath Conf, Salt Lake City  
19 San Diego Inv, San Diego, Calif  
25 AAU Ch, New York, NY  
25-26 Southeastern Conf, Montgomery  
26 Atlantic Coast Conf, Raleigh, NC  
27 Delaware Inv, Newark, Dela  
**March**  
3-4 Big 8 Conf, Kansas City, Mo  
3-4 Big 10 Conf, Columbus, Ohio  
3-4 IC4A Ch, Princeton, NJ  
3-4 USTFF Intmntn Ch, Pocatello, Idaho  
10-11 NCAA Ch, Detroit, Mich  
11-12 European Ch, Grenoble, Fr  
17 US-USSR, Richmond, Va  
18 Stampede Inv, Calgary, Alta

## OUTDOOR

**May**  
26-27 NCAA/CD, Ashland, Ohio  
26-27 USTFF Ch, Wichita, Kans  
**June**  
1-3 NAIA Ch, Billings, Mont  
1-3 NCAA Ch, Eugene, Ore  
16-18 AAU Ch, Seattle, Wash  
29-9 US Olympic Trials, Eugene, Ore  
**August**  
31-9 Olympic Gms Track, Munich

## Up Front

Herb Washington is the fastest thing on two feet this indoor season. The Michigan State speedster has dashed to two 5.0s over 50-yards to match the global indoor best. But over 60-yards, he hurried his way into history, barreling the first-ever 5.8 for the distance after 26 performances of 5.9. /Bill Meyer/

## For the Record

The following record alterations have been reported since the I February issue: W=world; E=European; A=American; BC=British Commonwealth; C=collegiate; JC=junior college; HS=high school; "=" equals record; n=non-winning time. Track category bests not included.

40y	4.5	=HS	Pablo Franco (Hartfd, Con HS)	Hartford, Conn	Jan 27
500y	58.3	JC	Alf Daley (Essex CC)	New York, NY	Jan 28
60m	6.4	=W, =E	Aleksandr Kornelyuk (SU)	Moscow, USSR	Jan 29
500m	1:03.7	E	Manuel Gayoso (Sp)	Madrid, Spain	Jan 29
500m	1:03.7n	=E	Francois Gonzales (Fr)	Madrid, Spain	Jan 29
2Miles	8:26.6	C	Steve Prefontaine (Ore)	Portland, Ore	Jan 29
4MileR	16:02.8	W, BC	New Zealand	Auckland, NZ	Feb 3
50y	5.2n	E	Vassilios Papageorgopoulos (Gr)	Toronto, Ont	Feb 4
50y	5.0	=W, =A, =C	Herb Washington (Mich St)	Toronto, Ont	Feb 4
50y	5.2n	=E	Valeriy Borzov (SU)	Toronto, Ont	Feb 4
50y	5.0	=W, =A, =C	Herb Washington (Mich St)	Toronto, Ont	Feb 4
50y	5.2n	=E	Vassilios Papageorgopoulos (Gr)	Toronto, Ont	Feb 4
50y	5.2n	=E	Valeriy Borzov (SU)	Toronto, Ont	Feb 4
Wt	68-11	C	Al Schoterman (Kent St)	Kalamazoo, Mich	Feb 5
60y	5.9	=W, =C	George Daniels (Ghana/Colo)	Boulder, Colo	Feb 5
120yHH	13.5	=W, =A	Tommy Lee White (Strid)	Pocatello, Idaho	Feb 5
SP	69.4%	W, A	Al Feuerbach (P Coast)	Pocatello, Idaho	Feb 5
2Miles	8:26.6	=C	Steve Prefontaine (Ore)	Inglewood, Calif	Feb 11
300y	29.5	W, A, C	Marshall Dill (Mich St)	East Lansing, Mich	Feb 12
60y	5.8	W, A, C	Herb Washington (Mich St)	East Lansing, Mich	Feb 12
70y	7.0n	E	Vassilios Papageorgopoulos (Gr)	Louisville, Ky	Feb 12
70y	7.0n	=E	Boris Izmyestyev (SU)	Louisville, Ky	Feb 12
1000y	2:05.1	W, A	Mark Winzenried (Club West)	Louisville, Ky	Feb 12
1000y	2:06.7n	E	Jozef Plachy (Czech)	Louisville, Ky	Feb 12
100y	9.4	=A	Cliff Branch (Colo)	Houston, Tex	Feb 12
100y	9.3	=W, =A, =C	Cliff Branch (Colo)	Houston, Tex	Feb 12
120yHH	13.4	W, A, C	Rod Milburn (Sn U)	Houston, Tex	Feb 12
1000m	2:21.0	C	Robert Ouko (N Car Cent)	Vancouver, BC	Feb 12
1000m	2:22.8n	HS	Greg Gibson (Connell, Wa HS)	Vancouver, BC	Feb 12



Bible of the Sport

II February 1972  
Vol. 25, No. 2  
Worldwide Coverage  
of Men's Track and Field



united states

# Washington Cleans 60 Slate

As our overstuffed record box on Page 3 indicates, it has been one heckuva couple of weeks for record-breaking performances. And none of the standard alterings was as welcome as Herb Washington's brilliant 5.8 for 60-yards at East Lansing. Previewing his big race with a pair of record-matching 5.0s for 50 the week before, Washington erased the 26 5.9 performances off the books. Amen. But Herb wasn't the only swift sprinter, as frosh teammate Marshall Dill annihilated the 300 standard with a blistering 29.5. And Washington and Dill weren't the only hot teammates, as Colorado partners George Daniels and Cliff Branch also hit record performances, Daniels with the 26th 5.9 and Branch with a standard-equaling 9.3 century.

Al Feuerbach continued his domination of the shot, raising his own indoor standard to 69- $\frac{3}{4}$ , and following up with a 69- $\frac{1}{4}$  a week later. He also added other performances of 68-5 $\frac{3}{4}$  and 67-1 $\frac{3}{4}$  to his impressive seasonal record.

On the oval, precocious Steve Prefontaine raised the value of his stock with a convincing two-mile victory over indoor record holder Kerry O'Brien and outdoor standard bearer Emiel Puttemans, matching his own two-week old collegiate best of 8:26.6.

## TORONTO MAPLE-LEAF Washington Twice Matches 5.0 50 Mark

Toronto, Ont., Canada, Feb. 4 /by Dick Drake/--Olympic quality sprint and hurdle fields sped down the 50-yard straightaway in great swiftness to treat the record Canadian indoor track crowd of 15,695 at the 10th Maple-Leaf Games, now sponsored by The Toronto Star.

## SFO - YYZ - CLE - SFO: 64-Hour Track Junket

by Dick Drake

San Francisco to Toronto to Cleveland and return, all in 64 hours. It was my first transcontinental junket to take in two indoor meets in one weekend. I'd been to Toronto before but I'd never taken in an indoor meet in the US east of the Rockies and of course I'd witnessed two indoor meets in a weekend on the west coast. But this was the first occasion I had really sensed what it meant to be on the indoor circuit.

For many of the nation's top athletes, it's long flights, little sleep, two meets a weekend, often every weekend from January through March. It's a tough, demanding schedule but apparently a pleasurable experience. One that seems to transcend far beyond merely competing.

I was surprised by the large number of athletes who, because of job or school commitments, elect to fly all night the night before the first meet on Friday. To get a real taste, it was the schedule I elected to follow as well. An "all night flight" is hardly that, most transcontinental flights requiring no more than six hours. And in this instance it was three hours to Chicago, an hour and a half lay-over to a "decent" hour when new passengers would board, and another hour to Toronto. You were lucky to get three hours sleep. If you can sleep on a plane. But then I wasn't competing, I only had to be sociable and a good observer.

From what I gather, hospitality at eastern US indoor meets in the form of airport pick-up and return, a snack and talk room and parties for the athletes is a rare phenomenon. But in Toronto, it flourishes and outdoes even the most lavish of the west coast meets where it's a matter of course.

We were met at the airport by the father of Abbie Hoffman, Canada's premier women's half-miler, and chauffeured into town over icy roads. A heavy snow-storm during the night throughout eastern North America would prevent certain athletes from making the meet and cause others to be delayed.

One of the first persons I encountered at meet headquarters in the Westbury Hotel was Ken Twigg, the energetic director of the Maple-Leaf Games who appeared a bit harried in his return to the top reins after a six year absence. He was still frantic about the disposition of the 15 touring Soviet athletes who arrived in Toronto on Thursday morning; two of his scheduled athletes flew off directly to Cleveland while three putters in an event unscheduled for this meet had stayed on. They still hadn't gotten straightened around by noon, and Finnish distance runner Juha Vaatainen had missed plane connections. And where were the missing prizes?

But an occasional lost athlete rarely affects the quality of this meet which this year contested only seven open men's events (only two middle distance events and two field events and no invitational relays). At that rate, you can afford to beef up your fields. And that's exactly what Twigg and his predecessor John Hudson had done over the years: lots of athletes from a broad who normally might not be invited to North America and many marginally good Americans.

To the record crowd of 15,695, the first-class attraction of top-flight athletes undoubtedly is the main selling point. Yet to the athletes I spoke with, the great competitive fields seemed to be taken as a matter of course.

The competition is important, to be sure, as the marks and performances amply reflect, but one is struck by the realization that the link between these weekly sojourns is the jet-setting social life. And at Toronto, there's ample support for this theory. Following the meet, there's a major bash with food and drink and a ratio of at least one attractive female (athlete or localite) to every male athlete. Then, an even more intimate party in Ken

Herb Washington, who is as consistently fleet-footed indoors as he is enigmatic outdoors, continued to rip-up the best of the undercover sprinters, twice here with world record equaling 5.0 clockings. The only serious Munich 100-meter medal contender missing was Jean-Louis Ravelomanantsoa, yet the Michigan State senior left his opponents two-tenths behind in both his heat and final. At least as far as the record books go, he is unquestionably the fastest-ever indoor 50 sprinter, now claiming four 5.1s in addition to his 5.0s.

Between the heats and the final, there were 13 clockings of 5.2--equal to the meet record--or faster. Seven resulted in new or tied national records. And sprinters the class of Don Quarrie and Cliff Branch didn't survive to the six-man final. Even against rocket-starting Mel Pender and Warren Edmonson of UCLA, Washington was clearly ahead in the final after the first two strides and never threatened. The race for second was wild, and the official timing credited the second through fifth placers with the same 5.2 time. Pender and Edmonson appeared to have a margin on the rest, which included fifth placer Valeriy Borzov of the Soviet Union. Delano Meriwether ended up last in 5.4, the result of inexperience when he slowed after he thought he may have false started. According to the starter, he hadn't but Delano had been blinded by the strobe flash of a photographer and couldn't see the rest of the field.

The hurdles field was just as talented as Rod Milburn, an infrequent racer indoors, was the primary absentee. Leon Coleman once again demonstrated that he may be the fastest starting hurdler today as he got his advantage on Willie Davenport and Thomas Hill before the first barrier and held it to the tape. First through fifth were all timed in 5.9, a tenth off the world standard.

The 600 and 1000 went to the early pace-setter while the mile and three-mile were taken with a furious dash in the final lap.

Martin McGrady, recovering from the flu, beat Lee Evans to the first turn of the 600 for the lead that he never relinquished in his 1:09.7 win. Evans finished five-tenths back. Tall Marcello Fiasconaro of Italy finished his first indoor effort ever, ahead of Tommie Turner, 1:10.9 to 1:11.2. In

Twigg's suite. And for many, private parties until dawn. There seems to be little or no sightseeing or shopping, the cold weather of course being a limiting factor. And so it's the competition and camaraderie that reunites athletes week after week.

By 11 o'clock the next morning, virtually everyone headed for Cleveland is off to the airport. About half the Air Canada flight is composed of athletes, officials and press connected with the track and field events.

## A Curve Thrown Into

The tightness of the curves of indoor track ovals vary dramatically even on tracks of the same size (12-, 11-, 10-, and 8-laps-to-the-mile, etc.) and significantly affect the quality of performances.

It is a point which has largely been overlooked in the comparison of indoor marks on the oval in the past but which was driven home with crystal clarity following the performances at this year's Cleveland K of C meet, which was staged on a sparkling new 11-lap Pro-West track.

The wholesale collection of super-performances established on Pro-West tracks in San Diego, Philadelphia, College Park (11-lap), Albuquerque, Salt Lake City, Jackson, Ft. Worth (10-lap) and Pocatello (8-lap) had suggested that the unique concept of a curve with a constant bank all the way (see I March 1971 T&FN) would automatically make all other tracks of the standard sharp rise at the beginning and end obsolete in producing the best marks for a particular track size. Indeed, the construction of the turn undoubtedly is revolutionary. But the marks on Cleveland's 11-lap track did not stand up to those of many other 11-lap ovals let alone against Pro-West's 11-lappers elsewhere.

It is now apparent that the length of the curves and the width apart of the straightaways are significant determinants of the quality of marks even on tracks of identical length. The Pro-West tracks at San Diego and Cleveland, for example, are both 11-lappers. Each curve at San Diego is 128-feet long while the straightaways are 112-feet long and are 79-feet apart from outside to outside. Cleveland, on the other hand, has curves of only 80-feet in length and straightaways 160-feet, separated by 48-feet. The accompanying chart indicates the vast difference in the length of the curves even within Pro-West tracks of the same size; information on other tracks is not readily available.

T&FN has long been aware of the differences in indoor tracks and in the difficulty of attempting to categorize these variances into workable units. The size of the tracks varies from 131.6- to 352-yards, some are completely flat and others have sharply banked curves, some are dirt, some board and some synthetic of varying qualities. Recently, Pro-West proved that the design of the curve could be a significant factor. Now the tightness of the curves even within same size tracks has become apparent.

With the IAAF now considering guidelines for marks acceptable for world indoor record consideration, it now seems evident that the length of the curve may need to be restricted just as there will be a maximum size of 220-yards to the tracks.

The ultimate in curves would seem to be a circle, at least for solo or front-running efforts towards the fastest times. Floyd Highfill, designer of

There's a certain amount of reflection on the previous night's performances and some speculation about performances on the new Pro-West track in Cleveland.

The Cleveland meet is one of five which over the years has been sponsored by the Knights of Columbus. It's a meet basically put on by non-track



the 1000, Byron Dyce jumped into a surprising early lead that he was never to yield, bringing him in five-tenths ahead of Czech Jozef Plachy in 2:09.4. Australian Ralph Doubell may have seen his hopes to defend his Olympic 800-meter title curtailed in this race. With 100 yards remaining and running comfortably in second place, he attempted to accelerate only to have his left Achilles give. It was feared at the time it may have been torn, an injury which could not heal in time for the Aussie national title meet six weeks away.

The mile found bearded Marty Liquori entered in his first indoor race of the season after a fall of limited training due to sore tendons of the foot. After a dawdling 1320 reached in 3:11.7, Italian Francesco Aresse grabbed the lead shortly before the bell lap and, arms flailing to maintain his balance around the turns, shot for home. Liquori twice bid for the lead but eventually fell short and finished third behind another Italian, Gianni Del Buono. The winning time of 4:09.5, possibly the result of grossly inaccurate splits read over the PA, may be distinguished as the slowest invitational win of the year.

The three-mile stayed remarkably in tact for the first 22 of the 33 laps as Eamon O'Reilly pushed the pace. By the 25th 160-yard oval, recent Canadian two-mile record setter Grant McLaren had taken over and held it until the final 150 yards when Aussie Kerry O'Brien's kick proved too much. The 13:23.8 win was the best of the oval marks.

50, Washington 5.0 =WIR; 2. Pender 5.2; 3. Edmonson 5.2; 4. Papageorgopoulos' 5.2; 5. Borzov' 5.2; 6. Meriwether 5.4. Heats: I-1. Pender 5.1; 2. Edmonson 5.2; 3. Papageorgopoulos' 5.2; 4. Francis' 5.2; 5. Branch 5.2; 6. Quarrie' 5.4. II-1. Washington 5.0 =WIR; 2. Meriwether 5.2; 3. Borzov' 5.2. 600, McGrady 1:09.7; 2. Evans 1:10.2; 3. Fiasconaro' 1:10.9. 1000, Dyce' 2:09.4; 2. Plachy' 2:09.9; ... dnf--Doubell'. Mile, Aresse' 4:09.5; 2. Del Buono' 4:09.9; 3. Liquori 4:09.9. 3Mile, O'Brien' 13:23.8; 2. McLaren' 13:24.8; 3. O'Reilly 13:30.0; 4. Liebenberg 13:38.0; 5. B. Brown 13:38.2. 50HH, Coleman 5.9; 2. Davenport 5.9; 3. Hill 5.9; 4. Gibson 5.9; 5. Drucker 5.9; 6. Draper 6.2. Heats: I-1. Davenport 6.0; 2. Hill 6.0. II-1. Coleman 6.0; 2. Gibson 6.0. HJ, Brown' 7-0; 2. Akhmyetov' 7-0; 3. Heikkila 7-0. PV, Isaksson' 17- $\frac{1}{2}$ ; 2. Simpson' 17- $\frac{1}{2}$ ; 3. Roberts 17- $\frac{1}{2}$ ; 4. Lagerqvist' 16-6; 5. Papanicolaou' 16-6.

## FT. WORTH COACHES X Von Ruden Rushes 3:57.9, Hilton 3:58.9

Ft. Worth, Texas, Feb. 4 /by George Grenier/--Tom Von Ruden took outstanding athlete honors for the second year in a row at the Coaches Games with a 3:57.9 effort that might enable him to repeat as US indoor athlete of 1972 to add to the honor given him by T&FN in 1971. Randy Matson, T&FN indoor field athlete of 1971, found the going rougher as he suffered the second defeat of his career in the shot put in Texas. Al Feuerbach hurled the shot out over 68-feet for the ninth time this year and the fourth meet to a 68-5 $\frac{3}{4}$  mark to beat Matson's 66-10 $\frac{1}{2}$ .

Von Ruden came to Ft. Worth's 10-lap Pro-West track prepared to run under 3:58. He figured Leonard Hilton would be the man to beat on the basis of his 13:21.0 last week in which Von Ruden said "he demolished (Frank) Shorter and (Garry) Bjorklund by 30 yards in the three mile". Hilton, who lost to Von Ruden by a fifth the day after his three-mile (4:04.0 in Oklahoma City) was peaking for this meet. The stage was set. It was also helped by a rabbit named Charles Boatright, an Oklahoma Stater who trains with Von Ruden at Stillwater. Boatright towed the field to a 1:58.5 half. Von Ruden, back in third at 1:59.7, was worrying how he was going to carry the pace when Boatright dropped out at the half. Hilton, who figured Boatright was going to go three-quarters (after his earlier 2:59.1 leg in the distance medley), solved Von Ruden's problem by moving into second with a 1:59.4 in an effort to catch Boatright. He tried to put some ground between himself and Von Ruden to dull Tom's kick, but Von Ruden worried Hilton through a 3:00.5 1320 and right up to the last half-lap when he zipped by to the fourth-fastest mile of his career indoors or out to move to third on the all-time indoor list with the fifth-quickest time (if you neglect Marty Liquori's 3:57.2 in the Astrodome). Hilton became the fastest Texan with his second sub-four, 3:58.9, and in defeat earned the gratitude of Von Ruden. Peter Kaal of the Pacific Coast Club annex at Stillwater ran his own race with a PR of 4:00.4. Jim Crawford, who had 3:01 at three-quarters, faded at the end to 4:02.1.

Mr. Feuerbach gave the shot a different twist tonight by getting his

oriented personnel, all of whom donate their time with no paid directors and their admitted purpose being to raise money for the CYO program. They annually spend about \$12,000 bringing in athletes and usually pump that much back into charity.

It's the only remaining invitational indoor meet in the midwest or what might be considered the Big 10 states. A 31-year tradition accounts for much of the meet's present success, for it's the only meet in Ohio which attracts

pectations.

Despite performances falling well below reasonable hopes, the 7600 fans who come within 600 of filling the auditorium appear to enjoy themselves immensely. There's a strong degree of local interest and sentimentality. Never mind that not a single meet record falls. Or that non-winning marks often go unreported. There are big name attractions, the competitions are competitive and homestaters (either by residence or by college attendance) including Gerald Tinker, Martin McGrady, Dave Wottle, Sid Sink and Scott Wallick take most of the laurels. Another local hero plays a prominent role. Harrison Dillard, Olympic champ in the 1948 100-meters and 1952 high hurdles, writes a knowledgeable column on the meet in The Cleveland Press and handles the mike chores. All of the track facilities have been replaced, except for the pole vault runway and pit which meet management nostalgically recalls helped produce three world standards in the past. The fans prove they're not strictly provincial as they reserve their loudest welcome of the evening for Delano Meriwether. But officials aren't quite prepared for the out-of-town press corps from the New York Times, Philadelphia Bulletin and T&FN, which we are told boosts the number of pressmen to a record 10; all must copy down results from a summary sheet passed down the row.

Much talk among athletes, officials and the press focused around the new track. It came as a rude shock when early performances were announced from events around the oval. They weren't even bettering meet records off the tighter-turned smaller track oval, let alone coming close to the standard expected of Pro-West facilities.

It quickly became apparent that the turns on this track were extremely tight for an 11-lap track, and a little research into comparison of this Cleveland track with other Pro-West 11-lap ovals proved this correct (see adjoining column). The problem was explained by Pro-West designer Floyd Highfill: "The real determining factor at Cleveland was that if we had made the track any wider, you couldn't have seen the athletes at all from the side of the balcony that the runners were on. The wider you make the track, the further under the balcony it would have extended. As it was, you could only see runners in the first lane from the waist up. If we had put the first lane in the second lane, you probably would have been able to see only their heads from the balcony. I don't think there's any doubt that the track that's in Public Hall now is better than any other they would have installed. It's just that the Public Hall is too narrow for a track.

"I think you're going to have difficulty setting world records on any 11-lap track and on that particular one it's going to be even more so. But I think you have to analyze these first results. A number of those marks were better than the ones they had last year in the same events. A number would rank among the better marks that they've ever had. It just happens that when you run a mile for 31 years, you're not necessarily going to break the mark the next year simply because you have a new track.

"The turns are very tight. The athletes will have to learn to run them. I got the impression that after a couple of guys fell down right off, other athletes were a little bit afraid to run."

And so it is. Pro-West or any other manufacturer can't be expected to produce miracles if the arena is too narrow to permit gentle curves. All hope should not turn into despair in Cleveland. There is even discussion about a new arena which could accommodate a wider track slightly reconstructed from the present oval.

Back at the Sheraton, there was still another reception and more parties. The socializing continued.

And then it was up early Sunday morning to catch a rapid-train to the airport, then wait out a 2 $\frac{1}{2}$ -hour delay caused by a snow storm, and then sit out a five-hour plane flight home to San Francisco.

Sixty-four hours of track and field and lots of fraternizing. Just like the athletes do it. Only I didn't compete. I'll appreciate those Saturday performances following Friday night meets a little more now. □

## Comparing Indoor Marks X

### Curve Dimensions Important Variable

The following specifications on Pro-West track curves should help shed light on why tracks of the same size can yield performances of such varying quality.

Each track is listed by its size: 11-lap (160-yards), 10-lap (176-yards) and 8-lap (220-yards). The length of each curve and each straightaway is provided, along with the distance between the insides of the two straightaways of the oval track.

Note that all tracks are 12-foot wide, except College Park at 10-foot and the five-lane Philadelphia track at 16-foot. \*—each curve contains an 8-foot straight section, which technically could be subtracted from the turn measurement and added to the straightaway length.

Tracks	Each Curve Length	Each Straight Length	Infield Width
<b>11-Laps</b>			
Cleveland, Ohio	80-feet	160-feet	48-feet
College Park, Maryland	136-feet*	104-feet	82-feet
Philadelphia, Pennsylvania	120-feet*	120-feet	74-feet
San Diego, California	128-feet	112-feet	79-feet
<b>10-Laps</b>			
Albuquerque, New Mexico	120-feet	144-feet	74-feet
Ft. Worth, Texas	136-feet	128-feet	86-feet
Jackson, Mississippi	120-feet*	144-feet	76-feet
Salt Lake City, Utah	104-feet	160-feet	74-feet
<b>8-Laps</b>			
Pocatello, Idaho	146-feet	184-feet	99-feet

the Pro-West tracks, agrees. "If you were running around a circular track by yourself, then probably the easiest way to run would be around a circle. But as far as competing in a race goes, this may not be the most advantageous track since it is not as advantageous to pass on a curve as it is on a straightaway."

Is there an ideal curve length for optimum performance? "I would think about half straightaway and half curve, or about a 50/50 ratio, would be ideal." /Dick Drake/

a substantial number of non-collegians each year.

There are a series of important changes to this year's meet, however. It has moved back to an early February date from its more traditional late March slot, it has switched from the Arena to Public Hall, and it has forsaken its dated 12-lap oval for a new Pro-West 11-lapper. There were great ex-



best throw on the first heave. He felt he had the potential to go 69-foot this time. So, Randy's meet record of 69-2 (with an outdoor shot), is still intact despite Al's fifth career mark over 68-feet indoors. Feuerbach's second throw was 68- $\frac{1}{2}$ . Matson admitted he was having difficulty in getting the height necessary for a long throw, and took second with a 66-10 $\frac{1}{2}$ . He might have feared being knocked to third when Woods had a second round toss of 66-6. Woods is the only other athlete to defeat Matson in Texas. Karl Salb took fourth with 64-5 for the best mark-for-fourth-place ever indoors.

60, Thomas 6.1. 300, Mitchell 30.8; 2. Schultz 30.9. 440, C. Mills 48.6; 2. Bolding 48.8. 600, Epps 1:11.5. 1000, Rose 2:10.1. Mile, Von Ruden 3:57.9; 2. Hilton 3:58.9; 3. Kaal' 4:00.4; 4. Crawford 4:02.1. 60HH, Bolding 7.4.

HJ, Kafer 7- $\frac{1}{4}$ . PV, Dickie Phillips 16-6. LJ, Lawrence 23-6 $\frac{3}{4}$ . SP, Feuerbach 68-5 $\frac{3}{4}$  (68-5 $\frac{3}{4}$ , 68- $\frac{1}{2}$ , 67-7 $\frac{1}{2}$ , f, f, 66-4 $\frac{3}{4}$ ); 2. Matson 66-10 $\frac{1}{2}$ ; 3. Woods 66-6; 4. Salb 64-5. MileR, Texas A&M 3:17.7. 2MileR, Dallas Baptist 7:41.0. DisMedR, Oklahoma State 9:55.6.

## CLEVELAND KC X Wallick Upsets Blair, White Surprises Brown

Cleveland, Ohio, Feb. 5 /by Dick Drake/--The new location of Public Hall and the new 11-lap Pro West track after 31 years on a 12-lap track at Cleveland Arena failed to produce a single invitational meet record in the track events of the Cleveland K of C. The leading results came in the high jump, which accounted for the sole meet mark, and the pole vault, which was contested on the former runway and the same pit--the winner coming on the countback rule in both instances. But the 7600 fans seemed to enjoy the meet.

The vault, which produced world bests in 1966 and 67 by Bob Seagren and Kjell Isaksson last year, provided two 17-0 vaults by fast-rising collegians Scott Wallick of Miami/Ohio and Tom Blair of Penn. Wallick won by virtue of taking only one leap each successfully at 16-0 and 17-0, while Blair did the same but also had an attempt at 16-6. The mark equaled Wallick's best of last year, while the loss for Blair was his first in eight meets despite his sixth 17-footer of the year. Three others vaulted 16-6.

Gene White, now representing the Penn AC, produced what is believed to be his third consecutive 7-2 high jump win of the 1972 season. He bagged the title on fewer misses over Reynaldo Brown, who lost only his second meet in nine starts in 1972.

There were seven false starts in the 50-yard dash final, and Mel Pender (for the second time this season) and Jerry Hill were eliminated. Despite the closeness of his three competitors a tenth back at 5.3, Gerald Tinker managed to look impressive with a fast pickup and a definitive lead by 30. Willie Davenport, Leon Coleman and Erv Hall were virtually abreast at the last hurdle but the Olympic champ produced a healthy lean and a tenth of a second win in 6.0 at the 50-yard distance.

Despite the week-in, week-out matches between Martin McGrady and Lee Evans over 600-yards, McGrady was anxious to perform well in what amounts to his hometown meet before his family and friends and Evans was eager for revenge and looking for a sub-1:09 clocking on this new track. But, alas, McGrady repeated his strategy of the night before and grabbed the lead into the first curve and never let go while Evans seemed to spend most of his effort making up yardage he'd lost struggling around the turns. McGrady increased his 600 record to 32 wins in 36 starts with yet another five-tenth win over Evans, 1:10.7 to 1:11.2. Tommie Turner took a nasty spill on the first curve.

Bowling Green State's Sid Sink and Dave Wottle both produced wicked last lap kicks to win their distance events, Sink the two-mile in 8:45.0 from Barry Brown and Wottle the mile in 4:06.7 from Chris Mason.

50, Tinker 5.2; 2. Ware 5.3; 3. Meriwether 5.3; 4. Hurd 5.3. Heats: I-1. Tinker 5.1. II-1. Pender 5.2. III-1. Meriwether 5.2. 440, Bernard' 50.4. 600, McGrady 1:10.7; 2. Evans 1:11.2. 1000, Dyce' 2:11.4; 2. Plachy' 2:11.6. Mile, Wottle 4:06.7. 2Mile, Sink 8:45.0; 2. B. Brown 8:45.2. 50HH, Davenport 6.0; 2. Coleman 6.1; 3. Hall 6.1. HJ, White 7-2; 2. Brown 7-2. PV, Wallick 17-0; 2. Blair 17-0; 3. Caruthers 16-6; 4. Williamson 16-6; 5. Barrett 16-6. MileR, Philadelphia Pioneers 3:20.3.

## SAM BENNION X Feuerbach Snaps All Shot Bests: 69-4 3/4

Pocatello, Idaho, Feb. 5 /from Jim Gallagher/--There were fine performances galore at the Sam Bennion Games, but all took a back seat to some inspired shot putting by Al Feuerbach, as the indoor record holder ended his season-long chase after his own 68-11.

Opening with a solid 67-6, the former Emporia Stater paralleled his San Francisco performance of 1970 with a world record toss on his second effort--this time 69-4 $\frac{3}{4}$ . The toss was a multiple success for Feuerbach. Not only did he break his own world undercover record, but he also surpassed Randy Matson's unrecognized indoor mark of 69-2 which was made with an outdoor shot. And, perhaps just as satisfying to him, he moved back ahead of East Germans Heinz-Joachim Rothenburg and Hartmut Briesenick on the all-time list (indoors and out).

So excited he had trouble holding his shot afterwards, Feuerbach came up with a 58-foot foul on his third effort, then finished his series with 66-9 $\frac{1}{2}$ , 66-1 and a foul. Unnoticed in the runner-up slot was the PR 66-9 $\frac{3}{4}$  heave of Fred DeBernardi, who notched a satisfying win over Karl Salb (63-4 $\frac{3}{4}$ ).

Best of the mortals were Pacific Coast teammates Jay Elbel and Tom Von Ruden. Elbel zipped to a 55.2 500 on the eight-lap Pro-West track, moving to second on the all-time list behind Lee Evans. Passing the 440 in 47.5, Elbel was never challenged, although Ron Whitney recorded a fine 55.8 behind him. Von Ruden was even more alone at twice the distance as he copped the 1000 with a swift 2:06.7, an "e" category best made more significant coming the night after a 3:57.9 mile. Washington prep Greg Gibson improved his position as prepdom's second-best 1000 man ever with a 2:11.2 for second.

In the rarely-run 120 highs, Tommy Lee White blasted to a world re-



Tom Von Ruden has ruled the 1000, despite Mark Winzenried's world record. Von Ruden is undefeated at the distance and has a 2:06.7 yearly low. /Don Chadez/



Jay Elbel has set the pace in two events indoors: he has clocked a 55.2 in the 500 and recorded a 47.5 440 during the same race. /Don Chadez/

cord equaling 13.5. The strong-appearing White had no opposition to speak of, and lost valuable time when he clobbered the seventh barrier solidly.

Vaulter Steve Smith treated the 7800 fans to the first 17-footer ever in the state of Idaho, making a soaring clearance of 17- $\frac{1}{4}$ . He also had one extremely good shot at 17-4.

100, Lawson' 9.5. 300, Lawson' 30.6. 440, Frey 47.8; 2. Van

## Al Feuerbach: "It Wasn't an Explosive Put"

It took him 56 competitive tosses in 10 1972 meets, but Al Feuerbach finally nailed his own world indoor shot record, popping his pellet 69-4 $\frac{3}{4}$  at Pocatello. Why did it finally come at that time and place?

"It all started the night before in Ft. Worth," relates Feuerbach. "My first throw was measured at 68-5 $\frac{3}{4}$ . Afterwards, some impartial observers told me that the officials had inadvertently measured the wrong mark. Most of them thought I had lost close to a foot, so I would have had the record that night. It didn't really bother me at the time, but after I got back to my hotel and went to bed I started thinking about it. I ended up laying awake until 4:00 a.m. So, by the time I got to Pocatello I was really juiced.

"And Pocatello is a great place to throw the shot. It's just like being outdoors. The synthetic surface (they play football on it) feels like real grass, and the crowd is far away, like outdoors. But it's a really good crowd because they're very appreciative.

"The throw itself was nothing special. It felt just about like any of many throws I've had this year. Karl (Salb) came up to me right away and started shaking my hand. I said, 'Oh, was it a good one?'. That's all there was to it. It wasn't one of my really explosive puts. But it really hit me when I came up for my next throw. I was almost delirious. I could barely hold onto the shot, and it just sort of fell off my hand, so I stumbled through the front of the circle. It was about a 58-footer, my worst throw in years."

But Al isn't through yet. He still maintains, "I know there's a 70-footer in there somewhere."

Hofwegen 48.0; 3. Webster 48.2. 500, Elbel 55.2; 2. Whitney 55.8; 3. Patton 58.1. 880, Makomasky' 1:52.1. Mile, Lawson 4:07.0. 2Mile, Hindley' 8:59.4. 120HH, White 13.5 =WIR.

HJ, Biar 6-8. PV, Smith 17- $\frac{1}{4}$ . LJ, Blaisdell 24-10 $\frac{3}{4}$ ; 2. Metcalf 24-8 $\frac{1}{2}$ . SP, Feuerbach 69-4 $\frac{3}{4}$  WIR (67-6, 69-4 $\frac{3}{4}$ , f, 66-9 $\frac{1}{2}$ , 66-1, f); 2. DeBernardi 66-9 $\frac{3}{4}$ ; 3. Salb 63-4 $\frac{3}{4}$ ; 4. Marks 62-7. MileR, Pacific Coast 3:13.0 (Frey, Von Ruden, Van Hofwegen, Elbel); 2. Idaho State 3:16.2.

## LOS ANGELES TIMES X Feuerbach, Prefontaine Thump Good Fields

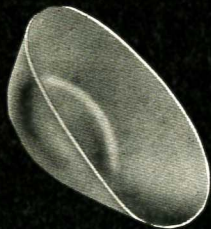
Inglewood, Calif., Feb. 11 /by Bert Nelson/--It was a bad night for some very large talent. Randy Matson was last. Jim Ryun beat only the rabbit. No one finished behind Kerry O'Brien. And only O'Brien was behind Emiel Puttemans.

There were some big winners, too, in the Los Angeles Times Games



Quick Protection From Heel Discomfort

## M-F HEEL PROTECTORS



- Protects Against Bruises, Spurs, Shin Splints, Blisters, Callouses
- Prevents Ankle Sprains and Achilles Tendon Inflammation
- Allows The Injured Athlete To Compete Comfortably

AT DEALERS \$9.00 DOZ. OR \$1.00 EACH

Quick Delivery From Stock

## CATA-POLE and PACER PRODUCTS

Headquarters

On The East Coast . . .

You Save Freight From California

## M-F ATHLETIC COMPANY

P. O. Box 6632 • Providence, R. I. 02904 • (401) 942-9363

## hummel Sport Shoes

plus other world famous brands, training flats, ripples, superlight running spikes, bags, training suits - world class quality. Sizes 1½-15, men's, women's, boys', girls'. COD anywhere in USA. Write for free brochure. Supersoft air-cushioned shoes for joggers too.

## C'n C SPORTS 'N TENNIS SHOP / Magnolia Sports

On Dawson nr. 5th, Rt. 1  
10634 Magnolia Blvd.  
Camarillo, CA. 93010 (805) 482-1975 No. Hollywood, CA. 91601 (213) 769-3126



## \* Bound to Please \*

TRACK & FIELD NEWS BOUND VOLUMES provide the best and least expensive way of acquiring back issues. Spiral binders allow issues to open flat. Prices: 1957, 58, 59, 66, 69, 70, 71, \$6.00 each. 1963, 64, 68, \$8.00 each. 1960, 61, 62, 65, 67 (incl. two photocopied issues), \$10.00 each. Individual back issues are variously priced. Write for listing.

Add 50¢ per volume for postage, handling.  
TRACK & FIELD NEWS \* Box 296 \* Los Altos, Ca. 94022

## MEET INFORMATION

91st HIGHLANDERS A.A. 47th ANNUAL MEET. Canada's oldest international indoor track meet, Sat., March 18, Hamilton Armouries, Hamilton, Ontario, Canada. Eliminations morning and afternoon, finals at night. 12-lap banked board track. Meet info from Major J.P. O'Reilly, Box 213, Hamilton 10, Ont., Canada. Phone (daytime) 416-522-1410. After 7 p.m. (416) 634-2066. NO FIELD EVENTS.

## ADVERTISEMENTS

OLYMPIA SPORT VILLAGE—Schools and Coaching Clinics. America's original and most famous training camp located in the boondocks of Northern Wisconsin and home of the Paavo Nurmi marathon, Track & decathlon camp/Special pole vault camp/Football and wrestling camp (High School & College)/Cross Country camp/Track, cross country, football and athletic trainers clinic—3 graduate credits each. Write for free brochure. Olympia Sport Village, Lake O'Brien, Box 33, Upson, Wisconsin 54565.

## ROAD KING SHOES



**Road King** A running and workout shoe designed by and for runners. Has a blister resistant feature, plus a special light cell cushion sole and padded tongue. \$15.90

FRIBERG ENTERPRISES  
9433 Alto Drive  
La Mesa, California 92041  
(714) 466-8659

Free catalog Dealerships available



**Suede King** Sand colored suede leather. Sizes 4-13½. \$17.90

**Ladies Suedettes**  
Butterscotch or rust suede.  
Sizes 4-10. \$17.90



Add \$1.00 per order for mailing. Calif. residents add 5% tax.

## no more guessing



**Hanhart**  
The Ultimate in  
Stop Watches...

Records Laps and other Complicated Intermediate Time Data with Maximum Accuracy... Shock, Dust and Water Protected.

Hanhart 1/10 Sec Swing Model has no old-fashioned bow. Strong nylon cord attaches to two lugs at bottom of case so watch can be worn around neck. Protected against inclement weather and stored in pouch when not in use.

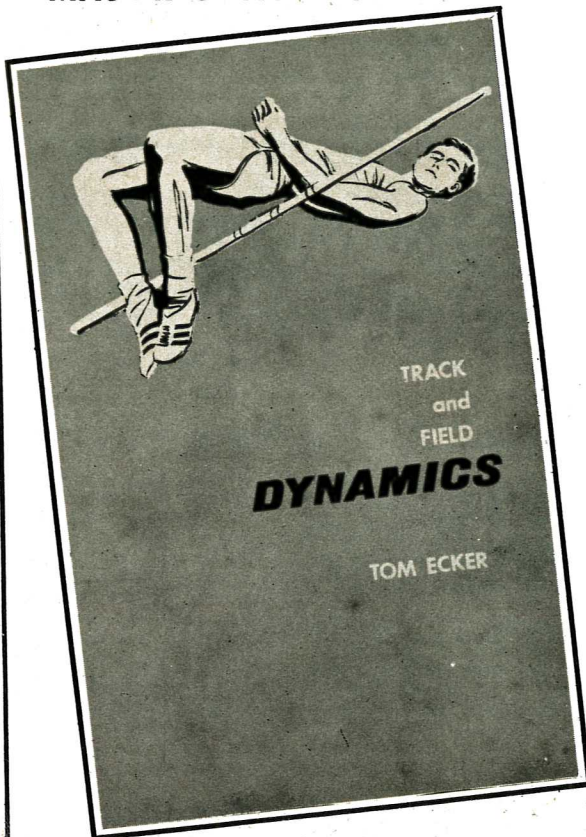
Available at all Leading Sporting Goods Stores and in Sporting Goods Departments of Large Retail Stores.

**PREMIER PRODUCTS** P.O. Box 37, River Vale, N.J. 07675  
Telephone (201) 391-2050



# Essential reading for coach and athlete.

UNIVERSAL ACCLAIM FOR A  
MAJOR CONTRIBUTION



Noted coach, writer, and track & field authority Tom Ecker has given the track world the first easy-to-follow presentation of the laws of motion and their application to track and field skills. There has been a dearth of knowledge of the laws of physics, among coaches in this country and this lack of understanding has led to many widely-held coaching misconceptions. Ecker explodes many of these parochial beliefs as being contrary to the principles of dynamics (the action of force on bodies). Every coach and serious athlete should own and study this book; it is certain to become the definitive work on an all-important topic.

"A great book . . . A must for all competitors," Ralph Boston, Olympic Long Jump Champion. "Simple, understandable . . . An outstanding contribution," Payton Jordan, Track Coach, Stanford U.; "Track and field in the U.S. has needed a new approach. This book fills that need in many ways. It is extremely practical and is invaluable to both athlete and coach," Ron Morris, Track Coach, Calif. St. College at Los Angeles; "Tom Ecker has taken the difficult and made it easy. Coaches and athletes will gain new insights into track and field mechanics," Harry Groves, Track Coach, Penn State.

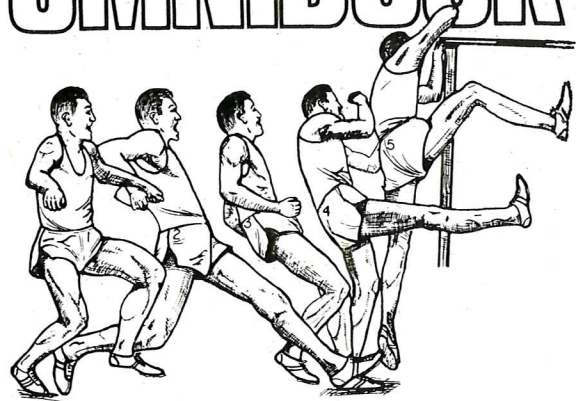
## TRACK AND FIELD DYNAMICS

116pp. Fully illustrated.

Paperbound, \$3.50 Library edition, \$4.95

If you are a coach or an athlete you *must* own this book!

## Ken Doherty's TRACK and FIELD OMNIBOOK



OMNIBOOK is a SUPERBOOK! As *Track Technique* editor Fred Wilt puts it, it's "the largest and most comprehensive single book ever published on this subject in the English language . . . an absolutely superb book. All those who coach should possess this volume." Track and Field Omnibook is the culmination of a lifetime's study and experience in track coaching and participation by Ken Doherty. It offers the latest thinking in technique and training for all events, the psychology of coaching and leadership, weight and power training for each event grouping, and much, much more. If you are a coach or an athlete, you *must* own this book. The price is \$9.75, but you get almost 500 jumbo (8½x11) pages—about 1000 normal-sized pages—of definitive, exhaustive coverage of the ever-progressing technical world of track and field.

ALL THE GREAT ILLUSTRATIONS FROM  
DOHERTY'S "MOVIES ON PAPER" — NOW  
OUT OF PRINT AND NOT AVAILABLE.

PLUS MANY NEW ILLUSTRATIONS.  
18 FULL-SIZE SEQUENCE DRAWINGS OF  
ATHLETES IN ACTION . . . OVER 100  
OTHER ILLUSTRATIONS!

## Ken Doherty's TRACK AND FIELD OMNIBOOK

496 pages. Profusely illustrated.

Extensive track and field bibliography.

Hard cover, \$9.75

Order from TRACK & FIELD NEWS, Box 296, Los Altos, Calif. 94022. Add 25¢ per book for postage & handling.



as 16,104 expectant fans packed the Forum to watch the outpouring of Olympic hopefuls. None stood taller than big Al Feuerbach and little Steve Prefontaine.

Feuerbach continued his unbeaten way with the second best indoor mark ever, 69- $\frac{1}{4}$ , and four puts beyond anything the rest of the four-man field could offer. And it was talented opposition. George Wood stuck one out there at 67-9, his second best-ever, for second, the same spot he occupied in the 1968 Olympics. Fred DeBernardi continued to create a problem for himself, reaching a PR 67-3 and further complicating the necessary decision to whether to reach for an Olympic berth in the shot or discus, or whether to forget it and sign a pro football contract. And then there was Matson, the proud Olympic champion still trying to regain a reasonable semblance of his form. He muscled it 66-11, not bad for most anyone else, but definitely not good for Matson.

Prefontaine literally ran away from O'Brien, the indoor record holder, Puttemans, the outdoor holder, and Kerry Pearce, second fastest ever undercover but a non-finisher here. A tight three-man battle was broken apart at the mile (4:14.9) when Pre spurted and the two foreign greats did not respond. The young Oregonian steadily built up his lead, finishing with great strength if not overwhelming speed for a 59.6 last quarter and an 8:26.6 clocking. It equaled his collegiate standard and once again just missed the national mark by four-tenths. More than half a lap behind, Puttemans out-finished O'Brien, 8:39.2 to 8:39.8.

The mile had been billed as a match-up between Ryun and Francesco Arese, the European titlist from Italy. But by the half-mile post, where the tall, skinny Arese led in 2:02.4, Ryun was a dozen yards back and looked to be in trouble. Long before Byron Dyce took over the lead with three laps to go, Ryun had had it. Dyce held off Arese's final challenge to win by a tenth in 4:02.9 as Ryun finished far back in 4:13.2. He could offer neither an excuse nor an explanation (see next page).

Rod Milburn, 1971's athlete-of-the-year, was also beaten but in a less traumatic fashion. After Willie Davenport failed to negotiate the first hurdle successfully in his heat, Milburn lost the final to lean Tom Hill. The winner and Tommie White reported 7.0 with Milburn a tenth back.

Running without a shoe most of the way, Tom Von Ruden outkicked pace-setter Juris Luzins by a tenth in a 2:07.1 thousand and both looked capable of faster. Impressive, too, was strong, stocky Jean-Louis Ravelomanantsoa, winner of the 60 without a challenge as Mel Pender stumbled at the start of his heat and didn't make the final.

Hans Baumgartner, the long-legged German, turned back a worthy challenge by Henry Hines, winning the long jump, 25-11 $\frac{1}{2}$  to 25-9 $\frac{3}{4}$ . Steve Smith was the only vaulter to succeed at 17- $\frac{1}{2}$  while Fred Newhouse won a tight 500 and Martin McGrady once again turned back Lee Evans in the 600.

50, Gilliard 5.4. 60, Ravelomanantsoa' 6.1; 2. C. Greene 6.2; 3. Miller' 6.3. Heats: 1-3. Pender 6.3; 4. Quarrie' 6.3. 500, Newhouse 57.4; 2. Kemp 57.5; 3. Krzyzosiak 57.7. 600, McGrady 1:09.6; 2. Evans 1:09.8; 3. Fiasconaro' 1:10.3. 880, Fisher' 1:54.1. 1000, Von Ruden 2:07.1; 2. Luzins 2:07.2; 3. Jones 2:08.7. Mile, Dyce' 4:02.9; 2. Arese' 4:03.0; 3. Del Buono' 4:03.8; 4. DeHertoghe' 4:04.6; 5. J. Mason 4:05.8; 6. Ryun 4:13.2. 2Mile, Prefontaine 8:26.6; 2. Puttemans' 8:39.2; 3. O'Brien' 8:39.8;... dnf--Pearce'. 60HH, Hill 7.0; 2. White 7.0; 3. Milburn 7.1; 4. Gibson 7.3. Heats: II-dnf--Davenport. MileWalk, Walker 6:28.4.

HJ, Brown 7-1; 2. Culp 7-0; 3. Fletcher 7-0. PV, Smith 17- $\frac{1}{2}$ ; 2. Caruthers 16-6 $\frac{1}{2}$ ; 3. Lagerqvist' 16-6 $\frac{1}{2}$ ; 4. Isaksson' 16-6 $\frac{1}{2}$ ; 5. Richards

Just 8:26.6 after moving away from the starting line in the LA Times two-mile, Steve Prefontaine (2nd from left) hit the tape victorious over the two fastest two-milers in history, indoor record holder Kerry O'Brien (2nd from right), 3rd in 8:39.8, and outdoor recordman Emiel Puttemans (r), 2nd in 8:39.2. Kerry Pearce (l) did not finish. /Chadez/



## Shot, Discus or Pro Football?



### Quandry for Fred DeBernardi

Five years ago as a senior at Hart High School in Newhall, Calif., his name wasn't even on the list of the 20 best prep shot putters in the US and it was only 10th on the discus ladder. Today, things are looking up for Fred DeBernardi, a fifth year senior at the El Paso branch of the University of Texas.

The future is so bright, in fact, that it poses something of a problem. Does he go after an Olympic berth in the shot put or in the discus? Or does he forget the Olympics and cast his lot with the play-for-dollars strongmen of the National Football League?

Fred was surprised to be drafted 11th by the Baltimore Colts because he played only one season of college ball. Not surprised was coach Wayne Vandenberg. "He's such a great natural athlete," says Vandenberg. "He can run the 40 yards in 4.6, and did the 100 in 10.1 while weighing 250. He can start flat-footed under a basket and stuff the ball two-handed. He could be one of the all-time football greats."

But that part of the decision has already been made by DeBernardi. "The only thing on my mind is to try and make the Olympic team. If I do that I probably won't play football. I've worked for close to nine years trying to get where I am. I've really surprised myself, as far as I have progressed. Football sounds interesting financially, but..."

So that leaves the choice between the shot and discus. Last year his 64-6 PR left him 11th on the US list while his discus best of 201-8 was 13th. But his competitive record, including third in the shot and second in the discus in the NCAA and seventh and fourth in the AAU, placed him far better in the US rankings. He was rated seventh in the shot and fourth in the disc. Now, of course, he has added nearly three feet to his shot best, at 67-3, and the year has only begun. He has to be taken very seriously as an Olympic contender in the shot. And if he improves anywhere near as much in the discus--watch out.

"I hope I can make it in something," says Fred, quite naturally. "But I don't know which event. It's kind of hard to say which is the best. Last year the discus was better. But the shot seems to be going pretty well right now."

"I have always wondered what it would be like to concentrate on one. I have always thrown both and guess one takes away from the other. The only thing is, I have obligations to the school."

Vandenberg sees the two event proficiency not as a problem but as a blessing. And not just for UTEP, but for Fred. "If he throws the shot and discus with success all season long he should do the same in the Olympic trials. That gives him two opportunities to make the team."

Enthusiastic and optimistic by nature, Vandy pulls out all the stops in discussing his star's future. "He can be the greatest ever in both events. This year I won't be surprised at 69- to 70-feet in the shot and 225-229 in the discus."

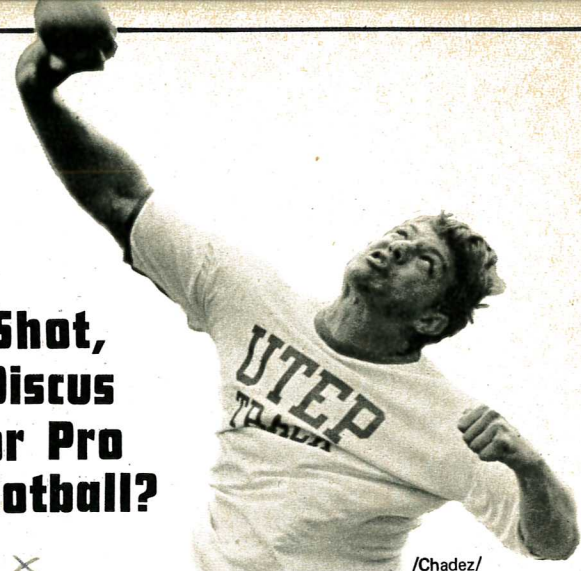
Fred's 1972 goals are less than Vandy's expectations but still at a high level. "My goal in the shot is about 68-feet and I think I can throw consistently around 215. I'd like to throw 220."

Why the big, sudden improvement? "It's a combination of a lot of things," reflects Wayne. "His marriage has had a stabilizing effect. His hours are more regulated. He's much stronger. His success last year showed him what can be done. The European tour was great experience. One of the biggest factors has been our fine weight coach, John Korky."

Fred agrees for the most part, admitting "my attitude has changed about a lot of things," and adding, "plus it's the Olympic year, you know".

Nicely sized at 6-5 and 270-275 with an extra long reach, Fred was born March 2, 1949. His progression:

Year	Age	Affiliation	Class	Shot	Discus
1964	15	Hart HS	9	49-0 (10-lb)	
1965	16	Hart HS	10	48-3	122-0
1966	17	Hart HS	11	55-3	165-0
1967	18	Hart HS	12	60-7	184-11
1968	19	Glendale JC	Fr	56-0	175-2
1969	20	red-shirted		no formal competition	
1970	21	El Paso	So	61-5 $\frac{3}{4}$	189-8
1971	22	El Paso	Jr	64-6	201-8
1972	23	El Paso	Sr	67-3	



/Chadez/





(Left) The Lee Evans-Martin McGrady duels over 600-yards have waged just as hot this indoor season as did their torrid 1970 meetings, which culminated with McGrady cutting the undercover best to 1:07.6. This 1:09.6 victory at the LA Times for McGrady (r) gave him a 5-2 record over the 68 Olympic 400 champion. Evans clocked 1:09.8 for an-



other second behind his rival. /Stan Pantovic/ (Right) Tom Von Ruden seems to be able to win 1000-yard races indoors—shod or barefoot. A good example of the latter is here at the LA Times where he lost a shoe but still edged Juris Luzins (r) by a tenth with 2:07.1. /Don Chadez/

## Jim Ryun: "I Was Really Tight"

Two days after his 4:13.2, Jim Ryun had no explanation for his poor showing. "I was really, really tight, that's all I can say. I felt pretty good the first quarter, but then I really got tight. Afterwards I had all the effects of running a very hard race."

Jim confirmed he had had a cold all week, but discounted its effect. "I've run with colds before. It wasn't that bad." He said he feels ready to run, that he's had a lot of good training. "But I don't want to say more until I race outdoors and do something. For some reason, I haven't been running well on the boards. I felt lucky in LA against Keino because the pace was slow, but even then I was struggling, and felt tight."

Ryun's next race is the Champions Meet in Los Angeles on March 4 when he will face Marty Liquori as the venerable Los Angeles Coliseum dedicates its new Tartan track.

More confident than ever was Steve Prefontaine. Shortly after his decisive two-mile victory, Pre was heard to exclaim, "I'm going to win in Munich, I don't care what Track & Field News says." Apparently, he was referring to his 10th place world ranking, not realizing that in the next issue T&FN's staff had predicted a 5000-meter medal for him.

Meeting Emiel Puttemans, Pre said, "You and me, we'll set a fast pace in Munich, okay?" Puttemans smiled and nodded his head. Later, he said, "This was my first race on the boards." (Apparently he meant in the US since he ran 7:57.0 for sixth in the 1970 European Indoor 3000-meters.) The other vanquished two-mile record holder, Kerry O'Brien, was not too put off by his third place finish. "I knew I wasn't completely ready when I came over, but I needed the competition. I felt whatever happened, it would be good for me. I'm not sorry I came."

The steeplechase record holder is just getting back into shape after a rough siege. "I was in really top form last year, getting ready to go to Europe, better even than when I was here" (when he ran 8:19.6 indoors). Then I had that freak accident. I was running and someone got in my way. I had to do a scissors jump to avoid them and I tore my abdominal muscles. After that, I had knee and tendon problems. But I feel I'm coming along now."

16- $\frac{1}{2}$ ; 6. Johnson 16- $\frac{1}{2}$ . LJ, Baumgartner' 25-11 $\frac{1}{2}$ ; 2. Hines 25-9 $\frac{3}{4}$ ; 3. Whit-  
ley 25-1 $\frac{3}{4}$ ; 4. Metcalf 24-9 $\frac{1}{2}$ ; 5. McAlister 24-4 $\frac{1}{2}$ . SP, Feuerbach 69- $\frac{1}{4}$   
(68-4 $\frac{1}{2}$ , 67-11 $\frac{1}{4}$ , 67-1 $\frac{3}{4}$ , 66-9 $\frac{1}{4}$ , 67-8 $\frac{1}{2}$ , 69- $\frac{1}{4}$ ); 2. Woods 67-9 (65-10 $\frac{1}{4}$ , f,  
66-10 $\frac{3}{4}$ , 65-4, 67-9, 65-8 $\frac{3}{4}$ ); 3. DeBernardi 67-3 (65-2 $\frac{1}{2}$ , 62-2 $\frac{1}{4}$ , 67-3, 64-9,  
f, 66- $\frac{1}{4}$ ); 4. Matson 66-11 (64-5 $\frac{1}{2}$ , 64-5 $\frac{1}{2}$ , 66-11, 64-11 $\frac{1}{2}$ , 65-7 $\frac{1}{2}$ , 65-5).  
MileR, Pacific Coast 3:17.2; 2. Cal International 3:17.9. 2MileR, Striders  
7:44.8.

## MASON-DIXON X Winzenried Socks 1000 Record Down to 2:05.1

Louisville, Ky., Feb. 12 /from Nolan Fowler/--Mark Winzenried collected his first-ever world record, indoors or out, by powering over 1000-yards in 2:05.1 at the Mason-Dixon Games, leading a fast field home

10-11 February 1972

in the process.

Winzenried treated the 8425 patrons to a four-tenths lowering of the indoor record formerly owned by Australian Ralph Doubell and a half second reduction of Juris Luzins' former US mark. In addition, Winzenried's good friend, Jozef Plachy of Czechoslovakia, claimed a European indoor record 2:06.7 in second--the fastest second-placer in history--and even third-placer Jim Schaper (2:08.6) and fourth man Frank Murphy (2:09.0) got in the record act by setting best time-for-place for class "e" (180- to 220-yard banked) ovals.

The two principal combatants had agreed before the race on a fast early pace and Plachy charged to the front, covering the first two laps in 26.2 and 27.8 for a 54.0 440 reading. Winzenried was right on the Czech's heels and Mark assumed command heading into the second quarter. His 56.1 (28.0, 28.1) carried him past the 880 in a quick 1:50.1. The final 120-yards made the difference: Winzenried consumed 15.0 to cover the distance as compared to Doubell's 15.3 and Mark had his record. Plachy lowered Murphy's continental best by four-tenths in second. Plachy and Winzenried hugged and congratulated each other profusely at the finish.

After a tumultuous victory lap, Winzenried was swarmed around by fans and press and stayed that way for more than 15 minutes. Winzenried commented, "I first thought seriously I could get the record about two weeks ago. Jozef and I agreed to set up the race and after the 800 we would be on our own. I really like the track." Plachy echoed that thought, commenting in broken English, "This track good."

Scott Wallick upped his vault PR to 17-4 after matching it last week. Although he has set a world indoor record in the 120-yard highs, Rod Milburn (r) has found the going a little rougher at 60-yards, where he has lost several times. Here at the LA Times, resurgling Tom Hill (l) won with 7.0 while Tom White (c) produced the same time to edge Milburn by a tenth for second. /Don Chadez/



Track & Field News



at Cleveland with 17-0. He topped the height on his third try to down Steve Smith, who tacked  $\frac{1}{2}$ " on his PR with 17- $\frac{1}{2}$ . Chris Papanicolaou cleared 16-0 in third. Jesse Stuart hit 64- $\frac{4}{4}$  twice to win the shot, while Bruce Wilhelm reached only 58-9 in fourth, explaining later he is experimenting with a new technique and is in between his old and the new so is not at his best. In the 70-yard dash, Mel Pender got a routine start and only Del Meriwether's premature lean enabled the sprinting soldier to eke out a victory as both ran 6.9. In the heats, both Soviet Boris Izmyestyev and Greek Vassilios Papa-georgopoulos clocked 7.0, eclipsing the known European record of 7.3 set by Britain's Cyril Holmes back in 1936. John Craft took only one triple jump and his 54- $\frac{3}{2}$  was more than enough to win over Norm Tate. In both relays, the winners and runners-up clocked identical times; Sports International edged Adelphi in the mile with 3:11.6 as Tommie Turner anchored the winner with 46.2, while Manhattan edged UCTC at twice the distance in 7:29.6, Ken Sparks anchoring the latter with 1:49.4.

70, Pender 6.9; 2. Meriwether 6.9; 3. Ware 7.0; 4. J. Green 7.0. Heats: I-1. Green 7.0; 2. Goodrich 7.0; 3. Izmyestyev 7.0. II-1. Ware 6.9; 2. Meriwether 7.0; 3. Papa-georgopoulos 7.0. III-1. Pender 6.9. 440, Bond 48.3; 2. Jordan 48.3; 3. Jacobs 48.4. 600, Turner 1:10.2; 2. New-house 1:10.8. 1000, Winzenried 2:05.1 WIR; 2. Plachy 2:06.7; 3. Schaper 2:08.6; 4. Murphy 2:09.0. Mile, McAfee 4:03.2; 2. C. Mason 4:04.8;... 5. Crawford 4:06.5;... dnf--Arzhanov'. 2Mile, Harrison 8:40.6; 2. Baldwin 8:41.6; 3. Liebenberg 8:42.2. 70HH, High 8.2.

HJ, Nyman 6-10. PV, Wallick 17-4; 2. S. Smith 17- $\frac{1}{2}$ ; 4. Papa-nicolaou 16-0. LJ, H. Jackson 25- $\frac{2}{4}$ ; 2. Coleman 25- $\frac{1}{2}$ ; 3. Haynes 24- $\frac{11}{4}$ ; Lanier 24- $\frac{9}{4}$ ; 5. Boston 24- $\frac{3}{4}$ . TJ, Craft 54- $\frac{3}{4}$ ; 2. Tate 52- $\frac{2}{4}$ ; 3. Mc-Clure 50- $\frac{11}{4}$ ; 4. Lanier 50- $\frac{7}{4}$ . SP, Jesse Stuart 64- $\frac{4}{4}$ ; 2. Oldfield 63-10; 3. John Stuart 59- $\frac{4}{4}$ ; 4. B. Wilhelm 58-9. MileR, Sports International 3:11.6 (Fletcher 48.9, Young 48.4, Barrow 48.1, Turner 46.2); 2. Adelphi 3:11.6 (Lee 48.9, Davis 48.0, Walker 47.2, McPherson 47.5). 2MileR, Manhattan 7:29.6 (Lovett 1:55.6, Bruce 1:51.1, Savage 1:51.7, Rothrock 1:51.2); 2. UCTC 7:29.6 (O'Connor 1:53.9, Bittner 1:53.0, Bryan 1:53.3, Sparks 1:49.4).

## MICHIGAN STATE X Washington Finally Gets 5.8, Dill Hits 29.5

East Lansing, Mich., Feb. 12 /from Don Kopriva/--Speaking from an indoor point of view, at least, Michigan State currently has the two top sprinters in the country. Already rated near the top, Herb Washington and Marshall Dill confirmed their spots with standout world record performances at the Michigan State Relays.

Dill's mark came first. Running in the middle of the new-this-year 220-yard flat Tartan oval, the frosh sensation who said he was "running scared" in his first major collegiate competition, was out extremely quickly on his 300-yard jaunt. His time--a majestic 29.5, knocking three-tenths off Bill Hurd's old standard, and only one-tenth shy of the outdoor best. Dill rated the race as his greatest thrill ever, even over his prep record and Pan-Am achievements of last year, saying, "I never set a world record before." Newcomer Larry Burton of Purdue was given a disproportionate 30.4 in second, as 30.0 would have probably been a more accurate reflection.

In the 60, Washington confirmed himself as one of the great indoor sprint talents of all time. Already partial holder of the multi-tied record with a pair of 5.9s, Washington had showed excellent form the week previously with a pair of record-matching 5.0s for the 50. His time here--the much awaited 5.8. "Looking back," said Washington afterwards, "this was an errorless race. I did everything right; a perfect start, good lean, just the best race I've ever run. Of course, when your teammate runs 29.5, it gets

you psyched up quite a bit." Oh yes, his teammate also managed a PR in this race too, with a 6.0 in the runner-up slot only one-half hour after his 300, then finished his finest day with a 47.6 from the blocks in the mile relay.

60, Washington 5.8 WIR; 2. Dill 6.0. 300, Dill 29.5 WIR; 2. Burton 30.4; 3. Rowe 31.0. 70HH, Murray 8.1. LJ, Bolin 24- $\frac{11}{2}$ . SP, Cortina 59- $\frac{7}{4}$ . MileR, Kansas 3:15.1. 2MileR, Michigan 7:32.2; 2. Missouri 7:33.2. SpMedR, Michigan State 3:24.1. DisMedR, Western Michigan 9:48.8. 240HHR, Western Michigan 29.0; 2. Purdue 29.4.

## USTFF ASTRODOME CHAMPIONSHIPS X Super Performances, Indoor or Out, Plentiful

Houston, Tex., Feb. 12 /from George Grenier/--In 1970, T&FN asked the question, "Is the Astrodome like indoors or out?" With the passing of time, performances recorded on that massive 352-yard oval have tipped the scales in favor of the latter. But the 1972 edition of the Astrodome-USTFF championships featured a series of marks which would rate attention even at an outdoor affair, topped by Rod Milburn's new high hurdle standard and an incredibly deep two-mile. And, there was the usual spate of super relay races.

The outdoor athlete of 1971, Milburn has been having his problems indoors, already losing twice over 60-yards. Coming off a third-place the night before at Inglewood, Milburn showed that at twice the distance he is still a force not to be trifled with. Out of the blocks with the gun, he was never challenged and even looked back over his shoulder at the finish line as he nicked a tenth off the old world best with his 13.4. Former record holder Willie Davenport matched his old clocking in second, with Jeff Hower another tick back.

Len Hilton, one of the pleasant surprises of the indoor campaign, forged the early pace in the invitational two, hitting 63.8, 2:08.7, 3:15.2, 4:19.2, 5:21.5, and 6:26.4. Meanwhile, dangerous George Young bobbed along in the pack, then began his usual late, killing drive to forge ahead at 7:30.2. Elsewhere in the pack, Marty Liquori had also been moving back and forth, but at  $\frac{1}{4}$  miles, someone stepped on his heel and threw him off stride. However, with a half-lap remaining, Liquori and Sid Sink threw a brief challenge at Young, but made no progress as the veteran came home in 8:28.2, the best-ever on an oversized track. Sink broke away from Liquori around the final turn and widened the margin as they timed 8:29.6 and 8:31.6, PRs for both. Liquori is apparently not healed yet, but in good shape. He passed the mile here because he felt that he would be expected to produce a sub-4:00--a task which he did not yet feel up to. Virtual unknowns Tim Patton and Jeff Galloway filled the next two spots, improving mightily to 8:32.2 and 8:33.0--impressive under any circumstance.

Another world best was matched on the straightaway, as Cliff Branch dashed to a 9.3 100. Breaking clear of the pack with Gerald Tinker by 20 yards, Branch didn't establish a clear margin until the last few steps as he dived through the tape. Tinker was given 9.4, with George Daniels and Willie Deckard next at 9.5 and 9.6.

Best of the relays was the two-mile, as Illinois equaled Wisconsin's indoor best-ever mark of 7:19.8 set on this track last year. Trailing Nebraska after two legs, Illinois broke the race open on the third carry when Lee LaBadie blasted a swift 1:46.7.

The distance medley was also a scorcher, with Kansas State turning in a swift 9:33.8, second only to the 9:31.6 by Villanova last year. Villanova had a good early lead here, as Brian McElroy barreled through a 2:52.6 1320, one of the swiftest ever. John Hartnett started out almost as quickly on his anchor mile, passing three-quarters in 2:59.0, but couldn't hold the pace and faded to 4:04.0. Meanwhile, Kansas State's Jerome Howe, who had



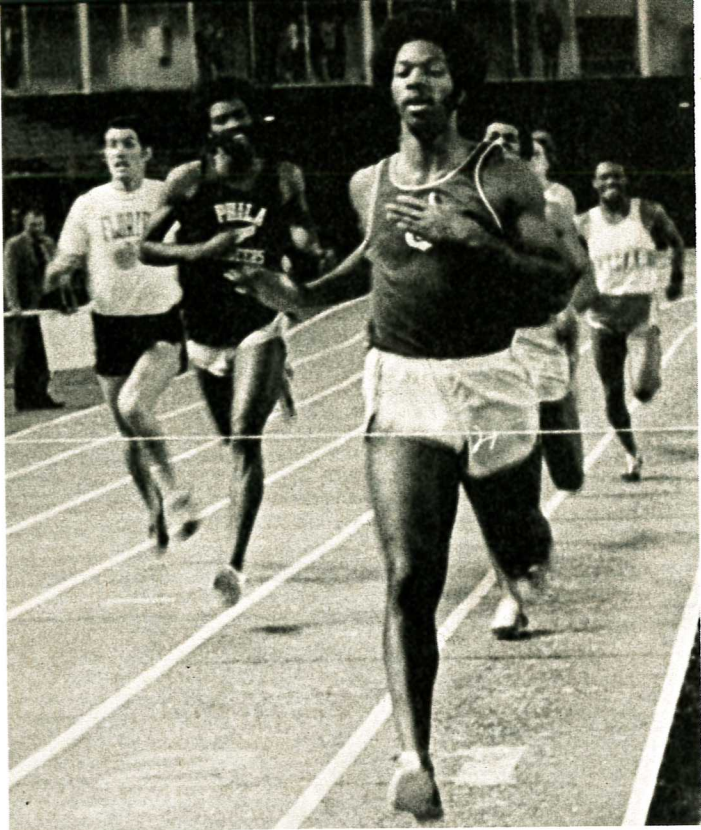
(Left) Mark Winzenried powered to his first world record by recording 2:05.1 over 1000-yards at Louisville. He chopped his PR by a healthy 2.1-seconds. /Don Chadez/

(Center) Lee LaBadie's contribution to Illinois' victorious 7:19.8 two-mile relay at the Astrodome was a swift 1:46.7 half-mile leg. /Dick O'Connor/

(Right) Jerome Howe finished off Kansas State's USTFF distance medley relay winners by churning a 3:56.5 anchor mile. /Don Wilkinson/







Edesel Garrison flashed around the Astrodome's huge 352-yard oval to win the USTFF 440 title with a nifty 45.7. And the crowd behind was swift as well: Ed Roberts (just visible over Garrison's left shoulder) 2nd at 46.2, Curtis Mills (2nd from left) 3rd at 46.5 and Dave Adkins (l) 4th at 46.5. /Don Wilkinson/

received the stick in fifth position, ate up the ground with a super 3:56.5 split, the best-ever undercover. Villanova's runner-up squad timed 9:37.2, with Wisconsin third in 9:38.4.

Another second-best ever went to Edesel Garrison for his 45.7 440. Blasting out quickly, Garrison was never headed and was all alone with a quarter-lap remaining. Philadelphia Pioneer Club teammates Ed Roberts and Curtis Mills had a good dice on the homestretch, but Mills coasted in when he couldn't pass Roberts. Roberts clocked 46.2, while Mills just held off Dave Adkins' challenge as both ran 46.5.

100, Branch 9.3=WIR; 2. Tinker 9.4; 3. Daniels' 9.5; 4. Deckard 9.6. Heats: I-1. Deckard 9.5. II-1. Tinker 9.5. VI-1. Branch 9.4; 2. Harris 9.5. 440, Garrison 45.7; 2. Roberts' 46.2; 3. C. Mills 46.5; 4. Adkins 46.5; 5. Brown 46.6; 6. Kanady 46.9; 7. Garren 47.3; 8. Grandjean 47.8. Heats: I-1. Garrison 47.2; 2. Kanady 47.2. VIII-1. Garren 47.4. IX-1. Roberts' 47.5. Mile, Wottle 4:03.7; 2. Selby' 4:04.0; 3. Kaal 4:04.2. Heats: I-1. Cummings 4:04.5; 2. Nightingale 4:04.9; 3. Kaal 4:04.9. 2Mile, Unger 8:41.4; 2. Herold 8:42.8. 120HH, Wilson 13.7; 2. Brown 13.9. Heats: Wilson 13.9.

HJ, Dunn 7-1; 2. Jourdan 6-11; 3. Ray 6-11; 4. Matzdorf 6-11;... 6. Elliott 6-9. PV, Roberts 17-0; 2. R. Carter 16-6; 3. McCole 16-6. LJ, Williams 25-8 $\frac{1}{2}$ ; 2. Robinson 25-2 $\frac{1}{2}$ . SP, DeBernardi 65-8 $\frac{1}{2}$ ; 2. Lane 62-11 $\frac{1}{2}$ ; 3. Hoglund' 60-5 $\frac{1}{2}$ .

MileR, Nebraska 3:07.5 (Priestley' 47.3, Cimato 47.6, Leonard 46.7, Case' 45.9); 2. LSU 3:07.5 (Epps 47.9, Stevens 46.7, Mobley 47.7, Wills 45.2); 3. Colorado 3:09.1; 4. Kansas State 3:11.8; 5. Southwestern Louisiana 3:12.0; 6. TCU 3:12.0. Heats: I-1. LSU 3:09.8; 2. Texas A&M 3:10.1; 3. Oklahoma 3:12.0; 4. Lamar Tech 3:15.1; 5. Baylor 3:17.0. II-1. Nebraska 3:08.2; 2. ACC 3:12.5; 3. Rice 3:12.5; 4. El Paso 3:14.4; 5. Pan-American 3:17.2. III-1. Colorado 3:11.1; 2. Southwestern Louisiana 3:11.8; 3. Kansas State 3:12.0; 4. Mississippi State 3:14.5. IV-1. TCU 3:11.5; 2. Oklahoma State 3:11.9; 3. Florida State 3:17.0.

2MileR, Illinois 7:19.8 (Mango 1:51.9, Kaemerer 1:49.8, LaBadie 1:46.7, Phillips 1:51.4); 2. Nebraska 7:22.0 (Wisemiller 1:51.7, Chadwick 1:48.7, Beck 1:51.4, Hawkins 1:50.4); 3. Villanova 7:24.2 (Kelly 1:52.7, Schappert 1:50.2, McLoughlin 1:52.3, McElroy 1:48.9); 4. Wisconsin 7:24.8; 5. El Paso 7:26.6; 6. LSU 7:32.0. DisMedR, Kansas State 9:33.8; (Vinson 1:53.8, Merrill 47.8, Hitchcock 2:55.7, Howe 3:56.5); 2. Villanova 9:37.2 (Schappert 1:51.9, Govan 48.7, McElroy 2:52.6, Hartnett' 4:04.0); 3. Wisconsin 9:38.4; 4. Texas 9:43.4; 5. Houston 9:47.4 (Jaouhar 2:55.3).

Invitational: 120HH, Milburn 13.4 WIR; 2. Davenport 13.5; 3. Howser 13.6; 4. Hall 13.9. 2Mile, Young 8:28.2; 2. Sink 8:29.6; 3. Liquori 8:31.6; 4. Patton 8:32.2; 5. Galloway 8:33.0; 6. Sliney' 8:35.0; 7. Fredricks 8:37.2; 8. Halberstadt' 8:40.0;... Hilton 8:42.0.

College Division: 100, McGee 9.5. 440, Evans 47.1; 2. Geter 47.5; 3. Austin 47.8; 4. Dotson 48.0. LJ, Owusu' 25-9; 2. Flippen 24-7 $\frac{1}{2}$ . MileR, Dallas Baptist 3:09.2 (Pyle 48.0, Williams 47.9, Evans 46.7, Baldwin 46.6); 2. Prairie View A&M 3:09.4 (Evans 47.9, Griffin 48.0, Geter 46.7, Brown 46.8); 3. Jackson State 3:11.8; 4. Southern U 3:12.2; 5. Grambling 3:13.5. Heats: I-1. Dallas Baptist 3:09.6; 2. Arkansas AM&N 3:11.2.

Junior college: 440, Daley' 46.8; 2. Sturgo 47.9. Heats: II-1. Haney 47.8. IV-1. Daley' 47.3. MileR, Essex CC 3:13.4. Heats: I-1. Essex CC 3:13.4. II-1. South Plains 3:16.3.

## ATHENS X Smith PRs 54-6 1/4; Isaksson, Lagerqvist 17-4 1/4

Oakland, Calif., Feb. 12 /by Jon Hendershott/-- Excitement was sporadic for the 7269 fans at the sixth Athens Invitational, but when it came it was of good quality.

Dave Smith notched a legal triple jump PR of 54-6 $\frac{1}{4}$ , Belgian Emiel Puttemans cruised an 8:34.2 two-mile, Swedish vaulters Kjell Isaksson and Hans Lagerqvist both topped 17-4 $\frac{1}{4}$  with victory going to Isak and Al Feuerbach ended his indoor competition with a 67-1 $\frac{3}{4}$  winning put as Randy Matson placed third. Otherwise, the competition often caused more yawns than awe.

Smith, wearing his now-customary white stocking cap and starting his approach run on the upper lip of the track, put together a mighty fifth leap and touched down after a soaring final jump at 54-6 $\frac{1}{4}$ , upping his legal PR from the 54-5 $\frac{1}{2}$  he claimed last year. He got another big effort on his final leap but his right hand dragged; still the leap taped 53-6 $\frac{1}{2}$ . Art Walker made his first Olympic year appearance; the indoor and outdoor US record holder's only legal effort measured merely 47-3.

Gerry Lindgren carved out the two-mile pace virtually from the start, but Puttemans and Aussie Kerry O'Brien were only a step back. Emiel took command at the 1 $\frac{1}{2}$ -mile flag and widened his gap, but lanky Don Kardong waited a bit too long to begin his final kick and the Belgian outdoor two-mile record holder edged the improving West Valley TC runner by four-tenths. O'Brien ran third as Lindgren faded to fifth and last.

The vaulting Swedes waged a head-to-head duel before failing thrice at 17-6. Lagerqvist's 17-4 $\frac{1}{4}$  is a PR by  $\frac{1}{4}$ ". George Woods looked as though he might surprise the shot field as he lofted his first put 67-1 to 66-4 $\frac{1}{4}$  for Matson and 66-9 $\frac{1}{2}$  for Feuerbach. Matson never did improve to remain in third, but Feuerbach armed the ball  $\frac{3}{8}$ " farther than Woods in the third round for the win. In the long jump, Henry Hines twice fouled big leaps, but finally got a legal 26-0 to top lanky West German Hans Baumgartner by 7".

60, Borzov' 6.1; 2. Edmonson 6.1. 500, McGrady 56.9; 2. Williams 57.8. 1000, Aalto' 2:13.1. Mile, Dyce' 4:05.6; 2. Del Buono' 4:05.9; 3. De Hertoghe' 4:06.5; 4. Pantyeley' 4:08.4. 2Mile, Puttemans' 8:34.2; 2. Kardong 8:34.6; 3. O'Brien' 8:39.0; 4. Price 8:41.0; 5. Lindgren 8:45.6. MileWalk, Kitchen 6:39.0. 60HH, T. Hill 7.1; 2. White 7.1; 3. Rich 7.2; 4. Gibson 7.3.

HJ, R. Brown 7-0; 2. Akhmyetov' 7-0. PV, Isaksson' 17-4 $\frac{1}{4}$ ; 2. Lagerqvist 17-4 $\frac{1}{4}$ ...nh--Johnson. LJ, Hines 26-0; 2. Baumgartner' 25-5. TJ, D. Smith 54-6 $\frac{1}{4}$ ; 2. Reader 52-4 $\frac{1}{4}$ ; 3. Tiff 51-2 $\frac{3}{4}$ . SP, Feuerbach 67-1 $\frac{3}{4}$ ; 2. Woods 67-1; 3. Matson 66-4 $\frac{1}{4}$ ; 4. Plunge' 62-2 $\frac{3}{4}$ .

## ACHILLES X Ouko Moves to 4th All-Time With 2:21.0 1000m

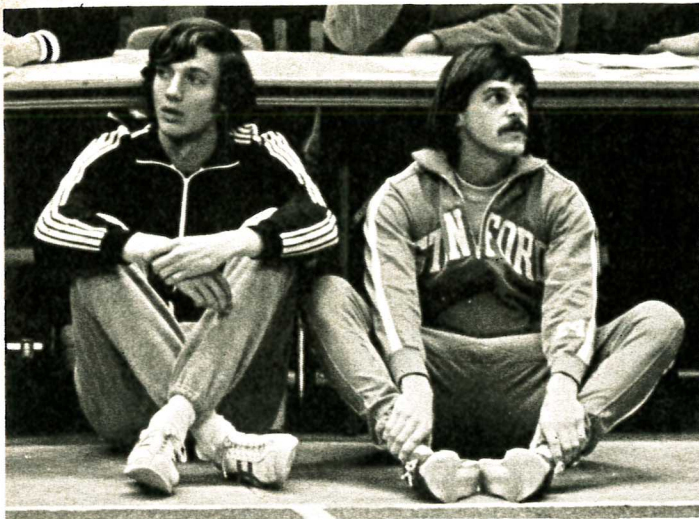
Vancouver, B.C., Feb. 12 /from Diane Clement/-- Kenya's Robert Ouko powered to the fourth-quickest 1000-meters ever run indoors, and pulled home a quick field in the process, to highlight the Achilles Indoor Games.

Ouko, now representing North Carolina Central as is countryman Julius Sang, surged around the 160-yard banked board oval in 2:21.0, a collegiate undercover best as well as history's fourth-quickest. The 1970 Commonwealth 800-meter champion outdoors, Ouko followed the lead of Canadians Randy Makolosky and Don Hampton until two laps remained. He then poured on the coal and ran away to a 1.1-second victory over Makolosky. First American was Oregon's Wes Smylie in third (2:22.2), with the next three very close. Art Sandison clocked 2:22.7 in fourth, Washington prep



With his 54-6 $\frac{1}{4}$  triple jump victory at Athens, Dave Smith not only upped his personal best by  $\frac{1}{4}$ " but also moved to second all-time indoors among US triple leapers. /Chadez/





Both Don Kardong (l) and Duncan MacDonald turned in some notable running in less than 12 hours. First Kardong ran a PR 8:34.6 for second in the Athens two-mile and MacDonald clocked a 4:13 mile. The next morning they tackled their first-ever marathons with Kardong first at 2:18:05.6 and MacDonald second at 2:21:31. /Bob Kasper/

Greg Gibson collected a prep indoor best with his 2:22.8 for fifth as Hampton ran the same time in sixth.

The only field events staged before the 5500 spectators, the high jump and pole vault, both found the top three placers clearing the same height. Winner John Radetich, frosh Tom Woods and Rick Cuttall all high leaped 7-1 $\frac{1}{2}$ , Cuttall setting a Canadian indoor best, while vaulters Jeff Taylor, Dennis Phillips and Bruce Simpson each cleared 16-6. Lee Evans' announced attempt on the 500-meter world record fell short--100-feet short as the wrong distance was run. He was clocked at 58.0 for 470-meters and given an adjusted 61.7 for the full route.

300m, Sang' 36.3; 2. Bassett 36.4. 470m, Evans 58.0. 1000m, Ouko' 2:21.0; 2. Makolosky' 2:22.1; 3. Smylie 2:22.2; 4. Sandison 2:22.7; 5. Gibson 2:22.8; 6. Hampton' 2:22.8; 7. Brandon 2:23.9; 8. Rose 2:25.0. Mile, Maplestone' 4:04.8. 3000m, McLaren' 8:14.0. HJ, Radetich 7-1 $\frac{1}{2}$ ; 2. Woods 7-1 $\frac{1}{2}$ ; 3. Cuttall 7-1 $\frac{1}{2}$ . PV, Taylor 16-6; 2. Dennis Phillips 16-6; 3. Simpson' 16-6. 1600mR, North Carolina Central 3:19.1.

## OTHER HIGHLIGHTS

### Surprise Marathon Feat By Kardong, Duncan

The West Valley Marathon was a good proving ground for a trio of Stanford/ex-Stanford distance runners trying their hand at the 26-plus distance for the first time. Don Kardong was an impressive winner with his 2:18:05.6 debut over the flat, fast course, with Duncan MacDonald and Brook Thomas filling the next two spots with 2:21:31 and 2:23:38. And, to top it off, apparently Kardong ran some 150 yards too far.

## LATE PREP

### Junior Williams Darts 8:57.4 Two-Mile

Prep star of the LA Times indoor was junior Terry Williams (Lompoc, Calif), who sped to an 8:57.4 two-mile clocking, chopping 2.2 seconds off the old class standard held by Art Dulong (Randolph, Mass).

Another hot junior has been Pablo Franco (Public, Hartford, Conn), who zipped 9.5 last year as a soph. Continuing his record setting indoors, Franco recently equaled the 40-yard best of 4.5. In the Capital Conference Meet, held on the Coast Guard's swift 200-yard flat synthetic oval, he took the 60 in 6.2, then blasted to a 31.3 300, a time topped only by Otis Hill's national record 31.2. Franco's teammates have been performing well also, with Sam Carr clocking a 5.2 over the 40 highs in the first meet, a time which is possibly the fastest ever by a prep. In that Conference affair, Daryl King also moved to number-two on an all-time list with his 1:11.2 600.

Still another junior, Dave Meyer (Berner, Massapequa, NY), equaled the flat floor (no spikes) 100 mark with his state record 9.8, while Charlie Wells (Lincoln, Jersey City, NJ) has twice sped 6.2 60s, the second one just a tenth off the national flat floor best.

The Naval Academy meet at Annapolis, Md., produced its usual fine middle distance times as Anthony Dempsey (Anacostia, Washington, DC) repeated as 600 champ (1:12.0) ahead of Julius Fletcher (Coolidge, Washington, DC) at 1:12.5 and three others under 1:14. James Vogt (Jackson, Manassas, Va) took the 1000 in 2:14.3. Matt Centrowitz (Power Memorial, NYC, NY), also a junior, has been winning big. A week after his nation-leading 4:16.9 mile at the St. Francis Games, he took the Cardinal Hayes 1000 in 2:15.1. At the NJSIAA Relays in Jersey City, Bergen Catholic (Oradell, NJ) bombed the opposition by 11 seconds with the second-fastest prep indoor distance medley on record (10:31.6), but were then disqualified as one runner's uniform did not match that of his teammates. However, T&FN will carry the mark on its lists. A fine indoor high jump was turned in by Mark Branch (Doyle, Knoxville, Tenn), who scaled a nation-leading 6-10.

Outdoors, the El Cerrito, Calif., sprint medley team qualified for the Athens indoor with the fastest time in two years, 3:28.9. Anchorman Dale Scott became the early-season state favorite for the half with his swift 1:52.0 anchor leg. □



# MICHIGAN STATE UNIVERSITY Track and Field Clinic

Primarily for High School Students (Grade 8-11)

Open also to Girls and Women

Two sessions: July 10-14 and July 17-21

FIELD EVENTS: HJ, LJ, TJ, SP, PV, Discus

RUNNING EVENTS: Sprints, Hurdles, Middle and Long Distances

STAFF: Francis Dittrich, Head Track Coach, Michigan State; Jim Gibbard, Cross Country Coach, Michigan State; Jim Bibbs, Asst. Track Coach, Michigan State.

ROOM AND BOARD: \$80.00 each session

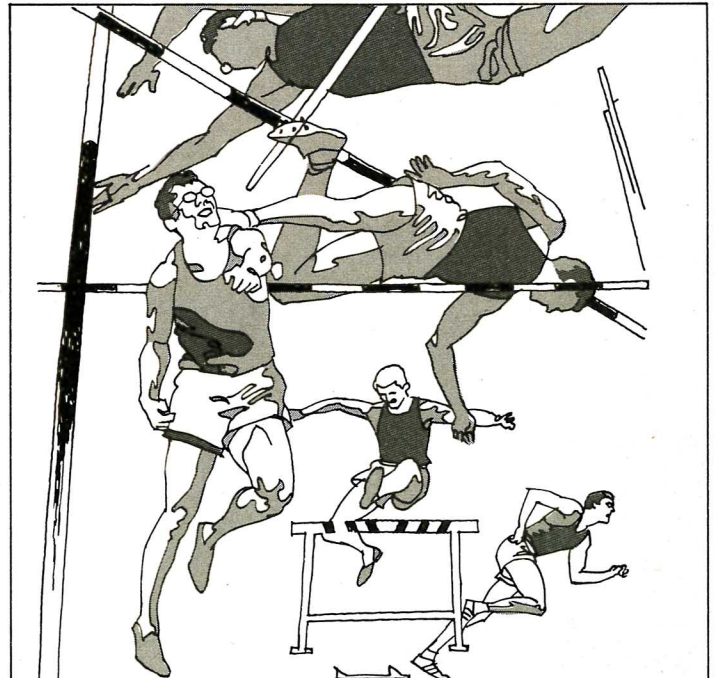
## CROSS COUNTRY TRAINING CAMP

August 21 to August 30

The ideal way to get in shape for your high school season

STAFF: Jim Gibbard, Cross Country Coach, Michigan State; Bruce Waha, Cross Country Coach, Howell, Michigan; Joe Newton, Cross Country Coach, Elmhurst, Illinois; Chuck Janke, Cross Country Coach, Jackson, Mich.

FOR INFORMATION ON CLINIC & CROSS COUNTRY CAMP, WRITE: Track Office, Jenison Field House, Michigan State University, East Lansing, Michigan 48823.



There's more  
to Pacer  
than just  
Cata-Pole!

Pacer American puts Cata-Pole quality into a complete line of track and field equipment.

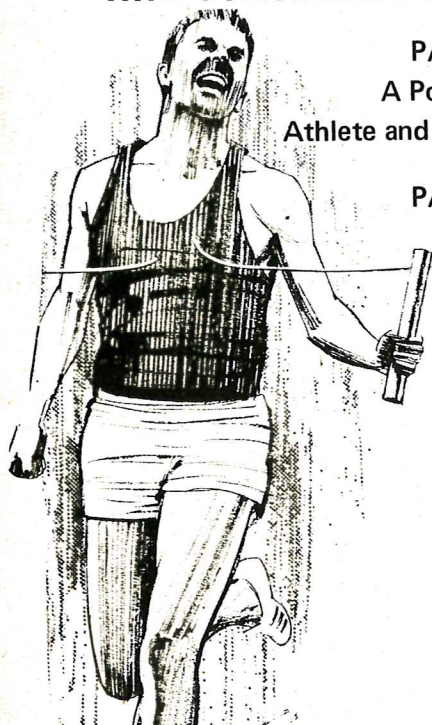
★ Dick Held Javelins ★ Vaulting Standards  
★ High Jump Standards ★ Hurdles  
★ Starting blocks

Please write us for our complete catalog of track and field equipment.

AMF  
PACER AMERICAN DIVISION  
P.O. Box 2266  
Santa Fe Springs, Calif. 90670  
(213) 941-0316



# MOTIVATION AND COACHING PSYCHOLOGY



**PART I – Motivation:**  
A Positive Approach for  
Athlete and Coach, *by Fred Wilt*

**PART II – Coaching  
Psychology: Sixty  
Practical Pointers,**  
*by Ken Bosen*

This new useful book will be of value to every coach and athlete. In Part I, Fred Wilt gives step-by-step suggestions to both the coach and the athlete on how to develop motivation and a positive attitude toward training and competition, how to maintain it, and how to put it to work. Part II, by Ken Bosen, consists of 60 practical hints for the coach in his relationship with his team, with the general aim of improving communication lines. With sketches by A.J. deSouza.

64 pages    1971    Illustrated    \$2.00

## RUN RUN RUN Still No. 1    *by Fred Wilt* for running training

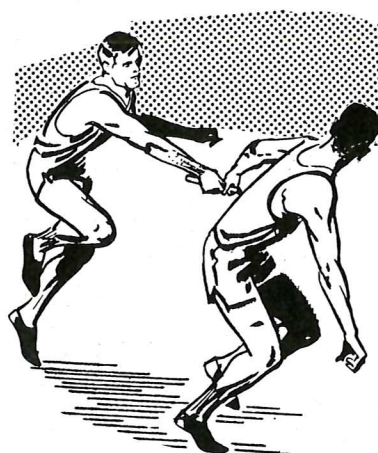
38 Chapters by World-wide Experts on Training and Technique.  
The How and the Why. Nearly 300 pages.  
*Now in 3rd printing!*

**CHAPTER HEADINGS:** A Crash Program for Training Schoolboys. Training for Experienced Runners. Training Points to Ponder. How I Train Sprinters. Sprint Questions and Answers. General Warmup Exercise Program. Lydiard Method of Training Runners. Mihaly Igloi's Training Method. Cross Country Training for Sprinters and Others. Training of Runners in Poland. Middle Distance Training in Borneo. Middle Distance Training in Yugoslavia. Cross Country in India. Cross Country Running in Australia. How I Train Middle Distance Runners. Cross Country Training for Middle Distance Runners. Harrier Running in New Zealand. Herbert Schade's Training Methods. Developing Stamina in Athletes. Visit with Dr. Woldemar Gerschler. Marathon Running. Tactics in Long Distance Running. Running on Snow. Weight Training of Russian Runners. Middle Distance Running. Continuous Running Training. Interval Training. Blood Test as a Guide to Training. Physiological Fundamentals of Training Methods. Examination of Interval Training. Athlete and Adaptation to Stress. Physiological Basis of Training for Running. Complex Training. Training for 8-14 Year Old Boys. Fundamental Movements in Running. Mechanical Analysis of the Running Movement. Character and Running. Language of Training.

Contributors include Fred Wilt, Vladimir Kuts, Toni Nett, Arthur Lydiard, Al Lawrence, Herbert Schade, Pyotr Bolotnikov, Buddy Edelen, and others.

**\$3.50 Paperbound    \$5.00 Library edition**

Track & Field News, Box 296, Los Altos, Calif. 94022

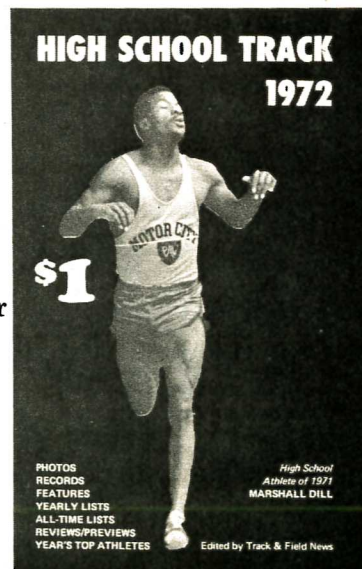


## GOOD EXCHANGE!

## JUST \$1.00 FOR HIGH SCHOOL TRACK-1972

*Without question, this book provides the most useful and complete information for everyone concerned with high school track and field.*

- Outdoor all-time best performances list.
- 1971 best performances list.
- Comprehensive Indoor all-time best performers list.
- High School records, indoor and outdoor.
- Athlete of the year
- Informative 1972 season preview
- Class and age-group records
- Regional round-ups of the 1971 outdoor season.
- Many photos and feature articles.



Order your copy now. \$1.00 each; 3 for \$2.00. Special rates for quantity purchases for teams, etc.

Track & Field News, Box 296, Los Altos, Calif. 94022



## Includes Marks Received Through February 10

This first indoor report of 1972 contains up to 25 performers per event, with detailed performances for the top (about 10) performers. The only marks listed in parentheses are those reported since the January issue. Seasonal bests recorded in that period are denoted with an asterisk \*. Our use of "n" has been modified. This symbol after a mark denotes non-winning efforts, track or field. However, it is used only in conjunction with a specific meet within the parentheses.

This report contains all indoor marks recorded in North America by citizens of any country and marks of US-affiliated athletes made anywhere. Resident non-Americans are denoted by a ' after their name, while visitors are denoted with a "

Events run around a turn are categorized according to track size thusly: a=less than 150y (137.2m), banked or unbanked; b=150y to 180y (137.2m to 164.6m) unbanked; c=150y to 180y (137.2m to 164.6m) banked; d=180y to 220y (164.6m to 201.2m) unbanked; e=180y to 220y (164.6m to 201.2m) banked; f=more than 220y (201.2m) banked or unbanked. The composition of the track (dirt, board, synthetic) is not considered.

Symbols: h=heat; s=semifinal; °=time recorded en route to longer distance; /C=college division; /U=university division; /O=open competition; r=race run in sections; disq=disqualified; nt=no time.

Meet abbreviations: AC=all-comers; Benn G=Bennion Games; Class=Philadelphia Classic; Cleve=Cleveland KC; EnMi=Eastern Michigan Invitational; Exam=San Francisco Examiner; M-L=Toronto Maple-Leaf; Mill=Millrose; Okla C=Oklahoma City; Ore=Oregon Invitational; Sr=Senior Bowl; Sun=Sunkist; Wn Mi=Western Michigan Invitational.

These are the world indoor bests as of Jan. 1, 1972, with American records, if different, noted in parentheses:

50y, 5.0 (5.1); 60y, 5.9; 70y, 6.8; 100y, 9.3 (9.4); 220y, 21.2 (21.6); 300y, 29.8 (30.2); 400m, 46.2; 440y, 46.2; 500y, 54.5; 600y, 1:07.6; 800m, 1:46.6 (1:47.4); 880y, 1:47.9 (1:48.5); 1000y, 2:05.5 (2:05.6); 1500m, 3:37.6 (3:42.8); Mile, 3:56.4; 2Mile, 8:19.2 (8:26.2); 3Mile, 13:09.8; 50yHH, 5.8 (5.9); 60yHH, 6.8; 70yHH, 7.8; 120yHH, 13.5 (13.6); 60yLH, 6.5; HJ, 7-4<sup>3</sup>/<sub>8</sub> (7-3); PV, 17-9 (17-6<sup>1</sup>/<sub>2</sub>); LJ, 27-2<sup>3</sup>/<sub>4</sub>; TJ, 55-7<sup>1</sup>/<sub>2</sub> (54-9<sup>1</sup>/<sub>2</sub>); SP, 68-11; Wt, 73-3<sup>1</sup>/<sub>2</sub>; MileR, 3:09.4; 2MileR, 7:25.4; 4MileR, 16:56.4 (17:21.8); SpMedR, 9:39.8 (9:44.6).

## 60 YARDS

Dashing Del Meriwether has yet to win a major indoor race this season, but he is still the best-dressed sprinter with his hospital shirt, yellow bathing suit and striped suspenders. Says Meriwether, "I determined long ago that whatever I wear, I'll always wear. There's no need to change every season. I have to have some sort of stability in costume. I run erratically enough"... The burgeoning list at 5.9 now includes 26 performances. College Park, Albuquerque and Kansas City rank as the top producing sites for such marks, claiming three apiece... Alcorn A&M is currently unrivaled as a producer of 60-yard sprinters, having three 6.0 runners on this list, Willie McGee, Jerry Sims and Larry Brown. McGee is the most consistent

(Left) One of the swiftest sprinters this indoor season, Colorado's Cliff Branch has twice matched global undercover dash bests. He zipped a 9.3 100-yards at the Astro-dome to equal the indoor best and earlier in the season matched the 60 record of 5.9 (until Herb Washington, trimmed the mark to 5.8). Branch also has a 5.2 over 50-yards.



in the nation so far, recording five 6.0s already... Our 6.0 reporting standard has been hard on some big-names. Among those at 6.1 are Marshall Dill, Warren Edmonson, Jim Green, Del Meriwether and Don Quarrie.

1. Cliff Branch, Colo (6.0h, 6.0s, 5.9 Okla City) 5.9\*  
George Daniels', Colo (6.0n Okla City; 5.9 v Nebraska) 5.9\*  
Mel Pender, US Army (disq Classic; 6.2 Mill; 5.2nML; disqCleve) 5.9  
6.0, \*James Batie (Troy St), \*Larry Brown (Alc A&M), \*Larry Burton (Purd), Ivory Crockett (Sn Ill), \*Horace Levy' (Nebr), Willie McGee (Alc A&M), Kent Merritt (Va), Jack Phillips (Gramb), \*Jean-Louis Ravelomanant-soa' (Wmont), \*Jerry Sims (Alc A&M), Chuck Smith (Strid), Gerald Tinker (Kent TC), \*Herb Washington (Mich St), Thomas Whatley (Ala).

50-yards: 5.0, \*Herb Washington (Mich St). 5.1, \*Mel Pender (US Army), \*Gerald Tinker (Kent TC). 5.2, \*Valeriy Borzov" (SU), \*Cliff Branch (Colo), \*Warren Edmonson (UCLA), \*Chuck Francis" (Canada), Del Meriwether (Balt OC), \*Vassilios Papageorgopoulos" (Gr), \*Harold Porter (Swn La), \*Len Turner (Kent St). 5.3, \*Bill Hurd (Phil PC), \*Herman Carter" (Canada), \*Bobby Turner (Cal Int), \*Bob Ware (Phil PC).

100-yards: 9.3, Don Quarrie' (Sn Cal). 9.5, Leon Brown (Sn Cal), \*Carl Lawson' (Idaho St), Steve Odom (BYU).

## 300 YARDS

Last year's number-one prep, Marshall Dill, has wasted no time in establishing himself as a hot collegiate performer. In his first meet as a collegian he equaled the frosh best of 30.4, and in his third chopped that mark to 30.2 and moved to equal-fourth on the all-time world list... Little is known about Purdue's surprise 30.3 performer Larry Burton other than that he is a soph from Melfa, Va. Described as "one of the worst starters around", he showed his speed with a 6.0 60 and has backed up his 30.3 with a solid 30.5.

1. Marshall Dill, Mich St (30.4d EnMi; 30.6e MichR; 30.2d v NWn 30.2d\*  
2. Larry Burton, Purdue (30.3d Tri/Lafayette; 30.5d v Ill) 30.3d\*  
3. Cliff Branch, Colo (31.2ch, 30.5c Okla City) 30.5c\*  
Carl Lawson', Idaho St (30.6e Bennion Gms) 30.5e  
5. George Daniels', Colo (30.9ch, 30.6nc Okla City) 30.6c\*  
Mike Goodrich, UCTC (30.6d v Wisc, Nn Ill/Madison) 30.6d\*  
Larry Stinson, Swn Okla St (31.0ch, 30.6c/CD Okla City) 30.6c\*  
8. Dennis Schultz, Okla St (30.9ch, 30.7nc Okla City; 30.9nc Coac) 30.7c\*  
30.8, eMark Low (BYU), e\*Robert Mitchell (Houst TC). 31.0, d\*Eric Penick (N Dame). 31.1, e\*Larue Butchee (Mich St), e\*Jim Thoening (Wyo), cWillie Turner (Cal Int). 31.2, d\*Carl Capria (Purd), d\*Kim Rowe (Mich).

## 440 YARDS

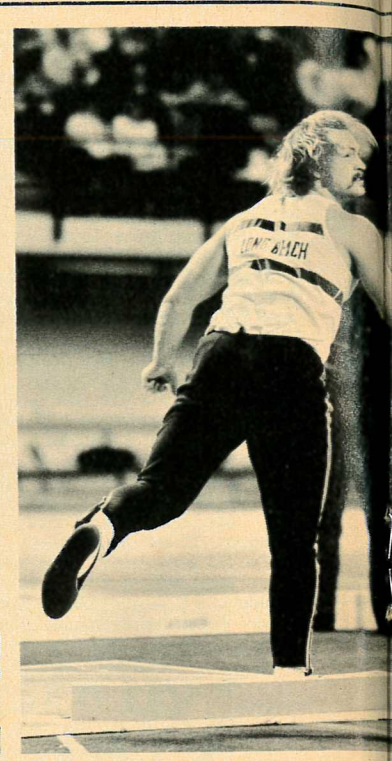
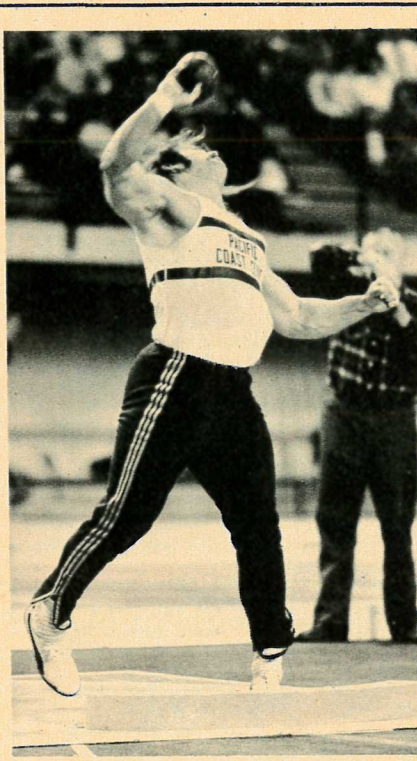
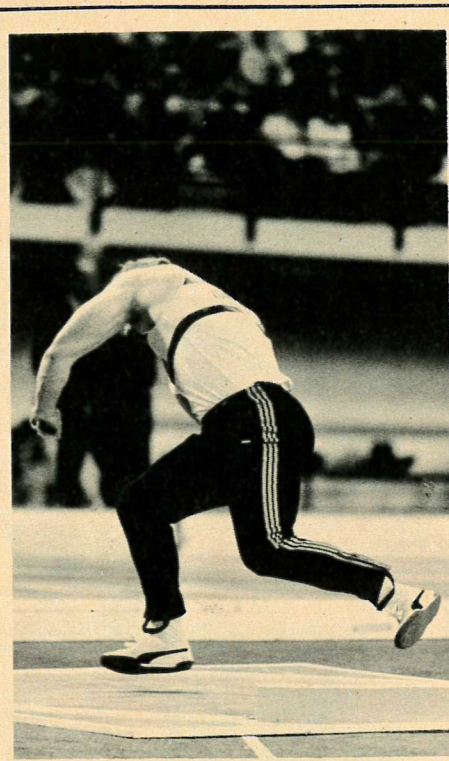
The quarter has been neglected in most meets, with the top runners usually opting for the 500 or 600. As a result, Jay Elbel leads the event with an en route time during a 500. Still, his 47.5 is good for equal-seventh on the all-time list. Elbel's mark, like the next three on this list, was made on the big Pocatello 220-yarder... Those who have been running the 440 have done well, as all but Edsel Garrison and George Daniels on this list have scored legal-track indoor PRs... This is Fred Newhouse's first campaign on the indoor circuit, and he says of running the boards, "I think running indoors takes a lot more thinking than outdoors, where you run in lanes all the way."

1. Jay Elbel, P Coast (47.5e° Bennion Gms) 47.5e\*  
2. Edsel Garrison, Sn Cal 47.7e  
3. Bob Frey, P Coast (47.8e Bennion Games) 47.8e\*

/Don Wilkinson/ (Right) Flashing around a turn at Millrose, two of these three indoor veterans clocked seasonal 500 bests in this race. Tom Ulan (r) clocked 57.6 and Larry James (c) 57.7 with Walt Fitzpatrick (l) third at 58.0. Fitzpatrick also has a 57.6 seasonal best. /Steve Murdock/







"I know I've got a really big throw in me somewhere," Al Feuerbach said recently. Graphic evidence of that can be seen in this sequence from the Bennion Games in Pocatello—where Al uncorked

4. Len Van Hofwegen, P Coast (48. One Bennion Gms) 48.0e\*  
 48.1, d\*Leighton Priestley' (Nebr), c\*Ed Roberts' (Phil PC). 48.2, e\* Brent Webster (Utah). 48.3, c\*Fred Newhouse (US Army). 48.6, d\*George Daniels' (Colo), c\*Curtis Mills (Phil PC), eEarl Richardson (Sn Cal).  
**Oversized track:** 48.0, \*Larance Jones (NE Mo). 48.5, \*Fred Sowerby' (Murray St).

**500 YARDS** ✕

Lee Evans, world record holder in the 500 and owner of the three fastest times ever, has not tackled the event this season... Tony Krzyzosiak's 57.1 is the equal second-fastest clocking ever by a collegiate frosh.  
 1. Jay Elbel, P Coast (55.2e Bennion Gms) 55.2e\*  
 2. Ron Whitney, Strid (55.8ne Bennion Gms) 55.8e\*  
 3. Garth Case', Nebr 56.0c  
 Edesel Garrison, Sn Cal (57.1c Sunkist) 56.0c  
 5. Clyde McPherson, Adelphi (57.7ncr Millrose) 56.3c  
 6. Tony Krzyzosiak, Sn Cal 57.1e  
 7. Ivory Scott, Cal Int 57.2e  
 8. Walt Fitzpatrick, NYAC (57.6d AC; 58.0ncr Millrose) 57.6d\*  
 Tom Ulan, NYAC (57.6cr Millrose) 57.6c\*  
 57.7, c\*Larry James (BOHAA), c\*Fred Newhouse (Ft Mac), d\*Rich Puck-erin (Bost St). 57.8, d\*Jim Nepola (Yale). 58.1, e\*Patton (Utah). 58.3, c\*Alf Daley' (Essex CC). 58.5, c\*Wayne Collett (Strid), c\*Rick Comeau (H Cross). 58.6, c\*Jim Burnett (Phil PC).

**600 YARDS** ✕

The renewal of the great Lee Evans-Martin McGrady duels has given the 600 a spark that seemed to be missing when the two colossi did not clash last season. And, although McGrady still seems to have the upper hand, he has taken only four of six from his arch-rival this year... Wayne Collett debuted over this distance with a 1:12.7 at Millrose... Collegiate record holder Tom Ulan (1:08.5 for Rutgers in 1971) has a 1:12.3 best so far.  
 1. Martin McGrady, Cal Int (1:10.3nc Exam; 1:10.2nc Millrose; 1:09.7c Maple-Leaf; 1:10.7c Cleveland KC) 1:09.2c  
 2. Tommie Turner, Spts Intl (1:09.9c Phil Classic; 1:11.6nc Mill; 1:11.2nc Maple-Leaf; dnf/fell Cleveland KC) 1:09.7c  
 3. Lee Evans, BA Strid (1:10.3c Exam; 1:10.7c Sunkist; 1:09.9c Millrose; 1:10.2nc M-Leaf; 1:11.2nc Cleve KC) 1:09.9c\*  
 4. Jay Elbel, P Coast (1:11.2nc Sunkist) 1:10.2c  
 Clyde McPherson, Adelphi (1:10.2nc Phil Classic) 1:10.2c\*  
 6. Dale Gibson, Miss St (1:10.5c USTFF Sn) 1:10.5c\*  
 1:10.6, c\*Rick Comeau (H Cross). 1:10.7, e\*Bob Cassleman (Mich St), c\*Kent Ohman' (NM). 1:10.8, d\*Skip Kent (Wisc), d\*Stan Vinson (En Mich). 1:10.9, c\*Marcello Fiasconaro" (It), e\*Columbus Totten (Kent St).  
**Oversized track:** 1:10.6, \*Willie Lyles (Lincoln). 1:10.8, \*Jim Fasules (Ill).

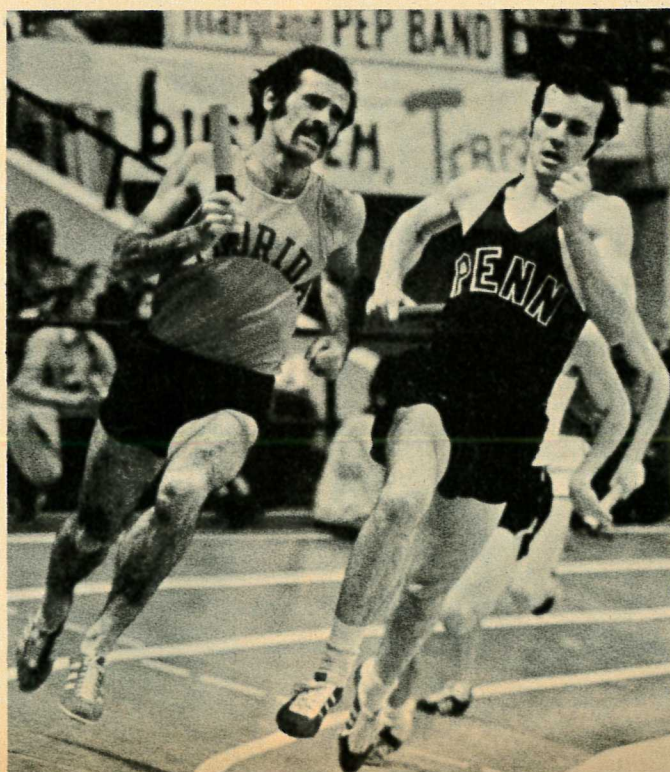
**880 YARDS** ✕

With most of the half-mile types going for the 1000 this indoor season, Mark Winzenried is the only one to make a number of concentrated forays at 880-yards. As a result, he has a pair of 1:49.4s, equal-tenth best performances indoors ever... Jozef Plachy missed his own continental standard by only a tenth with his 1:49.8 in Philadelphia.  
 1. Mark Winzenried, CW (1:49.4c Phil Classic; 1:52.5nc Millrose) 1:49.4e  
 2. Jozef Plachy", Czech (1:49.8nc Phil Classic; 1:52.2c Millrose) 1:49.8c\*  
 3. Tom Bach, Northwestern (1:50.8d v Mich St) 1:50.8d\*  
 1:51.2, eSteve Straub (Rice). 1:51.3, cTom Von Ruden (P Coast). 1:51.7,

c\*Juris Luzins (Quantic). 1:52.0, c\*Julio Piazza (Penn). 1:52.1, e\*Randy Makolosky" (Can). 1:52.5, c\*Rick Jacques (Kans). 1:52.8, e\*Mike Isola (P Coast).

**1000 YARDS** ✕

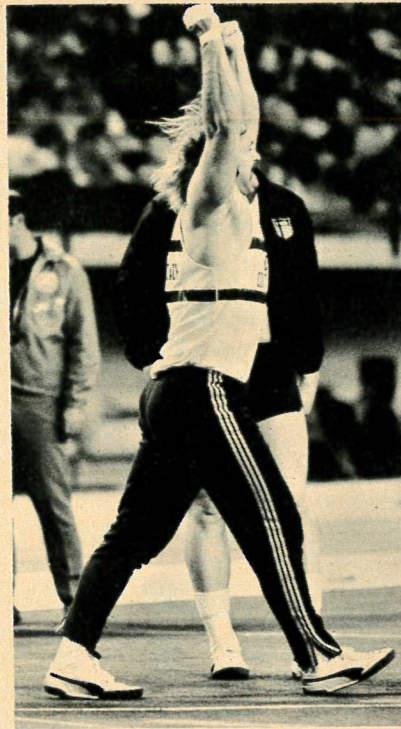
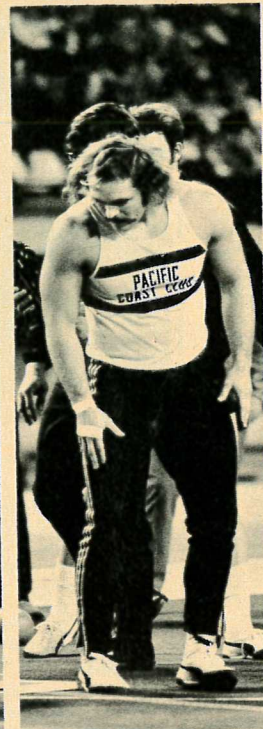
Tom Von Ruden can now claim five of the seven fastest 1000 clockings ever by an American. And oddly enough, his 2:06.7 "e" category best is the only record he holds at the distance. Von Ruden was absolutely correct when he called his 2:08.8 Sunkist race his slowest in three years. In a span of 14 1000-yard races between a 2:08.8 at San Diego in 1969 and Sunkist, he recorded nine times faster than 2:08.0, with four of those below 2:07.5:  
 1. Tom Von Ruden, PCoast (2:08.8cSun; 2:07.3ncMill; 2:06.7eBenn) 2:06.7e\*  
 2. Juris Luzins, Quantic (2:10.0nc Sunkist; 2:07.2c Millrose) 2:07.2c\*  
 3. Brian McElroy, Vill (2:08.2c Phil Classic) 2:08.2c\*  
 4. Ralph Doubell", Aus (2:08.3nc Millrose; dnf Maple-Leaf) 2:08.3c\*  
 5. Byron Dyce', United AA (2:09.4c Maple-Leaf; 2:11.4c Cleve KC) 2:09.4c\*  
 Mike Mosser, W Va (2:09.7nc Phil Classic; 2:09.4e Pitt Inv) 2:09.4e\*  
 7. Denis Fikes, Penn (2:09.5nc Phil Classic) 2:09.5c\*  
 Eamonn O'Keeffe', Fla (2:09.5nc Phil Classic) 2:09.5c\*  
 Mark Winzenried, CW (2:09.5nc Sunkist; 2:09.8c Ore Inv) 2:09.5c\*  
 2:09.9, c\*Jozef Plachy" (Czech). 2:10.0, cGreg Jones (El Paso), cLarry Rose (P Coast), c\*Wes Smylie (Ore).



(Left) Eamonn Thornton in an indoor CYO meet at Penn (7:33.4). In addition, O'Keeffe won the 1000 and the 1500 at the University of Michigan.

(Right) In the 1000, Thornton senses Hiltor's lead. Meanwhile, he recorded their 13:23.0 for the 1000. /Steve





orked a mighty 69.4% world indoor best. From left, he concentrates, unleashes his big heave, watches the measurement and throws up his arms in glee. /Rich Clarkson for Sports Illustrated/

## MILE X

US miling's "big-two", Marty Liquori and Jim Ryun, have one mile each under their belts so far, with less than conclusive results. Ryun has a slowish 4:06.8 win over Kip Keino, while Liquori has a 4:09.9 third behind Francesco Arese and Gianni Del Buono. However, both were happy with their performances, which is what really counts. . . Briton Chris Mason, now running for the NYAC, is eager to make his nation's Olympic squad, but says, "They don't like it that I'm running over here. The Olympic committee would rather I train there. I will have to run a 3:56 or better, then they will sit up and take notice". . . Ken Popejoy's 4:00.9 is a Big 10 indoor record.

1. Tom Von Ruden, PCoast (4:01.5ncEx; 4:03.8cOkCity; 3:57.9cCoa) 3:57.9c\*
2. Len Hilton, Houston TC (4:04.0nc Okla City; 3:58.9nc Coaches) 3:58.9c\*
3. Kip Keino, Kenya (4:01.2c Examiner; 4:07.3nc Sunkist) 3:59.4c
4. Peter Kaal, P Coast (4:05.6nc Okla City; 4:00.4nc Coaches) 4:00.4c\*
5. Juris Luzins, Quantico  
Ken Popejoy, Mich St (4:00.9d v NWn/E Lansing) 4:00.9d\*
7. Byron Dyce, United AA (4:01.8c Phil Classic) 4:01.8c\*
- Chris Mason, NYAC (4:03.5nc Phil Classic) 4:01.8c
9. Jim Crawford, US Army (4:05.1nc Phil Classic; 4:02.1nc Coach) 4:02.1c\*
10. Greg Carlberg, Elmwood TC (4:02.2nc Phil Classic) 4:02.2c\*
- 4:02.8, c\*Howell Michael (Quantico). 4:03.2, c\*John Mason (P Coast).
- 4:03.6, c\*Karl Thornton (Penn). 4:04.1, c\*Reggie McAfee (NCar). 4:04.2,

cMark Larson (Wisc). 4:04.5, c\*Francesco Arese" (It), c\*Tony Colon' (Man). 4:04.6, c\*Keith Munson (Ore St), c\*George Stewart (MATC). 4:04.7, d\*Jim Noe (NWn). 4:04.9, c\*Dave Wottle (B Green St). 4:05.0, c\*Paul Baldwin (Ky). 4:05.1, c\*Jim Johnson (Wash), c\*Bob Maplestone' (En Wash St). 4:05.5, aGrant McLaren" (Can).

Oversized track: 4:04.8, \*Lee LaBadie (Ill).

## TWO MILES X

Usually the verbose sort, Steve Prefontaine summed up his collegiate record 8:26.6 two-mile performance quite succinctly, saying, "It's a good start for the year."

1. Steve Prefontaine, Ore (8:26.6c Ore Inv) 8:26.6c\*
2. Grant McLaren", Canada (8:27.4c Phil Classic) 8:27.4c\*
3. Barry Brown, Fla TC (8:30.4nc Phil Classic, 8:45.2nc Cleve KC) 8:30.4c\*
4. Greg Fredericks, Penn St (8:34.2nc Phil Classic) 8:34.2c\*
5. John Hartnett', Vill (8:35.0nc Phil Classic) 8:35.0c\*
6. Gerry Lindgren, Coug TC (8:35.2nc Ore Inv) 8:35.2c\*
7. Kerry Pearce', P Coast (9:04.8nc Examiner) 8:35.6c
8. Neil Cusack', E Tenn St (8:37.4nc Phil Classic) 8:37.4c\*
9. Frank Shorter, Fla TC (8:52.6c Exam; 8:47.4nc Sunkist) 8:37.6c
10. Rex Maddaford', En NM (8:49.0a NAIA; 8:38.6nc Ore Inv) 8:38.6c\*
- 8:39.2, c\*Doug Brown (Tenn). 8:39.4, c\*Eamon O'Reilly (Gtn AA).
- 8:39.6, c\*Jim Crawford (US Army). 8:40.6, c\*Jim Jackson (Atoms TC).
- 8:43.6, dJim Johnson (Wash), c\*Roberto Lenarduzzi' (Tenn). 8:43.8, c\*Mike Keogh' (Manh). 8:45.0, c\*Sid Sink (B Green St). 8:46.0, c\*Dick Buerkle (NYAC), aGeorge Young (unat). 8:46.8, cLen Hilton (Houst TC). 8:47.4, c\*Jim Ryun (CW). 8:47.6, cDan Moynihan (Tufts).

## THREE MILES X

Although he has been referred to as an Australian, a New Zealander, an Englishman or a Canadian, Len Hilton assures us that he is 100% American. "I'm from Hillsborough, Texas," he says. "I've been the fastest Texan for a long time, but I guess you can't say much for that." Whatever, Hilton is the eighth-fastest indoor three-miler of all time of any nationality. After his spectacular Millrose victory, Hilton said, "I don't know whether people took me for granted tonight or not. I've never beaten Shorter (13:23.0) before. But people should know me by now. I've been around."

- 13:21.0, c\*Len Hilton (Houst TC). 13:23.0, c\*Frank Shorter (Fla TC).
- 13:23.8, c\*Kerry O'Brien" (Aus). 13:24.4, c\*Garry Bjorklund (Mill).
- 13:24.8, c\*Grant McLaren" (Can). 13:29.0, c\*John Hartnett' (Vill).
- 13:30.0, c\*Eamon O'Reilly (Gtn AA). 13:37.8, c\*Barry Brown (Fla TC).
- 13:38.0, c\*Jeromee Liebenberg (CW). 13:39.6, c\*Sid Sink (B Green St).

## MILE WALK X

The Philadelphia track proved to be swift not only for runners, but also for the walkers, as Ron Daniel peddled his way to a 6:12.8, moving to third on the all-time list. . . The progressive NAIA has scooped the other collegiate organizations again, adding the two-mile walk to its national championship schedule.

1. Ron Daniel, NYAC (6:29.0n Met AAU; 6:12.8 Phil Classic) 6:12.8\*
2. Ron Kulik, NYAC (6:29.0 Met AAU; 6:17.8n Phil Classic) 6:17.8\*
3. Todd Scully, US Army (6:21.8n Phil Classic) 6:21.8\*
4. Dave Romansky, SJ Chargers (6:37.8 Mid-Atl AAU; 6:28.0n Cla) 6:28.0\*
5. Tom Dooley, Athens (6:30.6 Examiner) 6:30.6\*
- 6:33.4, \*John Knifton (NYAC). 6:38.2, \*Esteban Valle" (Nicar). 6:41.4, \*Larry Walker (Strid). 6:44.0, \*Don DeNoon (Strid). 6:46.0, \*Howie Pala-

emmon O'Keeffe (I) moves past Karl in this two-mile relay at the National meet as both Florida (7:32.2) and (33.0) recorded seasonal bests. In O'Keeffe has clocked 2:09.5 in the Thornton 4:03.6 in the mile. /Wal-

n the Millrose three-mile, Len Hilton to move up as Frank Shorter (c) lton's presence. Garry Bjorklund, e, seems unperturbed. All three re- their fastest efforts of the season in Hilton scoring a 13:21.0 victory to for Shorter and 13:24.4 for Bjork- eve Murdock/





marchuk (Ambler OC). 6:46.4, \*Bill Ranney (Athens). 6:46.6, \*Bob Kitchen (Athens). 6:48.0, \*Joe Stefanowicz (Phil AC). 6:49.6, \*Mike Ryan (Strid). 6:50.6, \*Bob Jackson (unat). 6:52.0, \*Jerry Lansing (Athens). 6:52.2, \*Steve Tyrer (Ore Coll/Educ). 6:54.0, \*Jim Bean (Stockton W). 6:55.0, \*Mike Conn (Phil AC). 6:57.0, \*Bob Bowman (Strid).

## 60 YARD HIGH HURDLES

Although his damaged knee is not bothering him too much, Tom Hill is still having difficulties in the hurdles. Explains coach Thad Talley, "He has a slight hip problem that is keeping him on top of the hurdle too long. In addition to that, I think he's pressing a little and just needs some time and a few more races. Don't forget, he was completely out of competition for a year, and it's hard to start right back on top where he left off"... Paul Gibson has had a slow start this season as he has been carrying extra weight from playing football last fall... Leon Coleman's victory in the Toronto 50 was in the best race in the event's history, with the first five clocking 5.9. The only previous non-winning 5.9 was recorded by Coleman himself, in 1969... 7.1 performer Jeff Flowers is the younger brother of Richmond.

1. Rod Millburn, Sn U (6.9h, 7.0s, 7.0 NAIA; 7.1 Millrose) 6.9\*
2. Jim Bolding, Okla St (7.0 Okla City; 7.4 Coaches) 7.0\*
- Willie Davenport, Tex Strid (7.1 Ex; 7.1 Sn; nt Mill; 5.9nML; 6.0Cl) 7.0
4. Lance Babb, Sn Cal (7.1 In Exam; dnf Sunkist; 7.1 Ore Inv) 7.1\*
- Jeff Flowers, Tenn (7.1h AC/Knoxville) 7.1\*
- Paul Gibson, P Coast (7.1 Sunkist; 5.9n Maple-Leaf) 7.1
- Bill High, Tenn (7.1h CYO; 7.2 Quad/Knoxville) 7.1\*
- Thomas Hill, Ark St U (nt Class; 7.1 TFF Sn; nt Mill; 5.9n M-Leaf) 7.1
- Jeff Howser, Fla TC 7.1
- Delario Robinson, Kans (7.1s, 7.1 Okla City) 7.1\*
- Tommy Lee White, Strid (7.1 In Exam; 7.2n Sunkist; 13.5 Bennion) 7.1\*
- 7.2, \*Randy Butts (Nebr), Leon Coleman (unat), Bruce Collins (Penn), \*Charles Dobson (Wm&M), \*Mike Hill (Colo), \*Wayne Kennard (Navy), \*Henry Orum (Ala), \*Larry Shipp (St Albans HS, Wash DC), \*Dan Taylor (Wash), \*Bill Tipton (En Mich TC), \*Jerry Wilson (Sn Cal).

**50-yard High Hurdles:** 5.9, \*Leon Coleman (unat), \*Willie Davenport (Tex Strid), \*Stan Druckery (Kegonsa TC), \*Paul Gibson (P Coast), \*Thomas Hill (Ark St U). 6.1, \*Bruce Collins (Penn), \*Charles Dobson (Wm & M). 6.2, \*Ron Draper (UCTC), \*Erv Hall (Phil PC), \*Andre Harris (Pitt), \*Bill High (Tenn), \*Rich MacDonald (Yale), \*George Neeland (Canada).

**70-yard High Hurdles:** 8.3, Stan Druckery (Kegonsa TC), Greg Johnson (Wisc), \*Godfrey Murray (Mich), \*Roy Prince (Ind St).

**120-yard High Hurdles:** 13.5, \*Tommy Lee White (Strid). 13.9, Lance Babb (Sn Cal).

**60-yard Low Hurdles:** 6.7, Bill Tipton (En Mich TC). 6.8, \*Mike Hill (Colo).

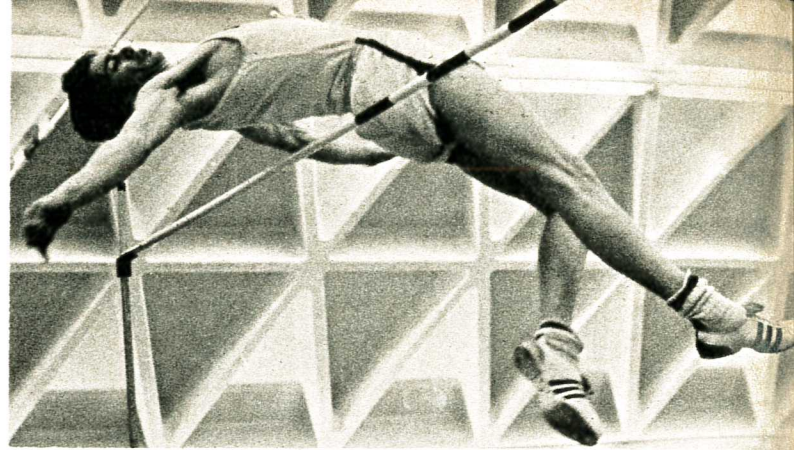
## HIGH JUMP

A busy early-season schedule indoors finally caught up with Pat Matzdorf at the Sunkist meet. The outdoor world record holder cleared his seasonal high of 7-1 at College Park and then negotiated 7-0 in San Francisco a week later. The next night in LA, though, he withdrew after clearing 6-6 and missing 6-8 twice. Diagnosis: a severely sprained left knee. "Sure it hurts," Matzdorf said at San Francisco, "especially on top of the kneecap. But the biggest thing is that it affects my concentration; when I start thinking about the knee more than the jump, then it really throws me off." Matzdorf stayed out of a couple of meets to rest the joint, then topped 6-10 in a triangular upon his return... It seems everyone expects Matzdorf's chief nemesis indoors this winter, Reynaldo Brown, to clear seven-feet every time he jumps. When Rey cleared 6-10 at Portland for his first mark below 7-0 this season, one sportswriter wrote, "Brown failed to clear seven-feet for the first time since birth"... Among the top eight, all but Matzdorf have either set or matched their all-time PR thus far this year... A wide variety of styles can be found among the leading leapers: conventional straddle (Brown), flop (Chris Dunn, Gene White), "bent-knee" straddle (Matzdorf, Dennis Adama) and even the western roll (Stan Albright)... Baylor's Gary Kafer, surpriser at 7- $\frac{1}{4}$ , is a freshman whose previous best of 6-10 came as a prep junior.

1. Rey Brown, Cal Int (7-0 Exam; 7-2 Sunk; 7-0 Mill; 6-10n Ore; 7-4 7-0 Maple-Leaf; 7-2n Cleve KC)
2. Chris Dunn, Colgate (7-0 En TFF; 7-2n Class; 6-10n Mill) 7-2\*
- Gene White, Penn AC (7-2 M At AAU; 7-2 Phil; 7-2n Cleve KC) 7-2\*
5. Stan Albright, Cleve Strid (7- $\frac{1}{4}$ n Phil Classic; 6-10n Cleve KC) 7-1 $\frac{1}{4}$ \*
4. Pat Matzdorf, Wisc (7-0 Exam; 6-6n Sn/unj; 6-10 Tri/Mad) 7-1\*
6. Dennis Adama, Ind (7- $\frac{1}{4}$  v Nebr; 6-10 $\frac{1}{4}$  v Mich) 7- $\frac{1}{4}$ \*
- Gary Kafer, Baylor (7- $\frac{1}{4}$  Coaches) 7- $\frac{1}{4}$ \*
- Ingemar Nyman, NM (6-11 Tri/Alb; 6-10 $\frac{1}{2}$  Tri/Alb; 7- $\frac{1}{4}$  Tri/Al) 7- $\frac{1}{4}$ \*
- 7-0, \*Fernando Abugattas (NM), \*Rustam Akhmyetov (SU), \*Mike Bowers (AATC), \*Jerry Culp (Cal Int), \*Walden Curry (Delta St), Claude Ferrange (Can), Tim Heikkila (unat), Ron Jourdan (Fla TC), John Radetich (Staters), \*Tom Woods (Ore St). 6-11 $\frac{3}{4}$ , \*Gene Stoner (Okla). 6-11 $\frac{1}{4}$ , Gene Halton (Princ). 6-10 $\frac{1}{2}$ , \*Lorenzo Allen (Ariz), \*Larry Dykstra (Ill). 6-10 $\frac{1}{4}$ , \*John Mann (Mich).

## POLE VAULT

The pair of vaulting Swedes competing indoors in the US this winter, Hans Lagerqvist and Kjell Isaksson, both compiled lengthy competitive seasons in 1971: Lagerqvist vaulted in 58 meets indoors and out, clearing a best of 17-4 and placing fourth in the European Championships, all at the age of 31-plus, while Isaksson vaulted in 52 competitions. Lagerqvist has broken 14 poles in his career, which didn't start until age 18. Isaksson rates facilities at Iwaki, Japan, where he cleared 17-9 $\frac{1}{2}$  outdoors last spring, the best he ever competed on; he was boosted along by a strong tailwind from directly behind. Both vaulters relate that Japanese indoor facilities are a little cramped, however. In one meet, they had to start their run-up outside the arena in a locker room, dart through several doorways, hop onto the runway and then sprint headlong toward the box... Newest 17-footer is Washington frosh Jeff Taylor. The 5-10, 160-lb. yearling joins Altti Alarotu as the only college freshman to clear 17-0 indoors. Taylor, 1971's leading prep out-



Colgate's Chris Dunn has soared this winter in the high jump. He has flopped his way over a career best of 7-2 and won the USTFF title at the Astrodome with 7-1. His 1971 bests were 7-0 outdoors and just 6-10 indoors. /Jeff Johnson/

doors at 16-1 and still only 18, reportedly had one very close miss at 17-5... The US seems to be resurging in the vault: during all of the 1971 indoor campaign, only three US citizens scaled 17-0 or higher. Already this year there are seven.

1. Tom Blair, Penn (17- $\frac{1}{2}$  v Navy; 16-6 M-At AAU; 17- $\frac{1}{4}$  Class; 17-3 $\frac{1}{2}$ \* 17-0 Mill; 17-3 $\frac{1}{2}$  Tri/N Haven; 17-0n Cleve KC)
2. Kjell Isaksson, Swe (17-1 $\frac{1}{2}$  Exam; 16-6n Sun; 17-3 Ore; 17-1 $\frac{1}{2}$  ML) 17-3\*
3. Dave Roberts, Rice (16-6 Mill; 17- $\frac{1}{2}$  Maple-Leaf) 17- $\frac{1}{2}$ \*
- Bruce Simpson, Can (17- $\frac{1}{2}$  Maple-Leaf) 17- $\frac{1}{2}$ \*
5. Steve Smith, L Beach St (17- $\frac{1}{4}$  Bennion Gms) 17- $\frac{1}{4}$ \*
6. Jan Johnson, Ala (15-0n Sr; 17-0 TFF Sn; 16-6n Mill; 17-0 Okla) 17-0\*
- Hans Lagerqvist, Swe (16-6 $\frac{3}{4}$ n Ex; 17-0 Sun; 17-0 Ore; 16-6n M-L) 17-0\*
- Jeff Taylor, Wash (16-4n Ore; 17-0 Wash Inv) 17-0\*
- Scott Wallick, Miami/O (16-4 Mid TFF; 17-0 Cleve) 17-0\*
- Mike Wedman, Colo 17-0
- 16-9, \*Scott Hurley (Fla), \*Bud Williamson (NYAC). 16-8 $\frac{1}{4}$ , \*Rickey Paris (McMurry). 16-6 $\frac{1}{2}$ , \*Sam Caruthers (Cal Int). 16-6, \*Bill Barrett (AATC), \*John McColm (Okla), \*Chris Papanicolaou (Gr), \*Dickie Phillips (unat), \*Dick Railsback (Strid), \*Bob Sprung (USMC). 16-5, \*Jack Ernst (Coug TC), \*Dennis Phillips (Staters). 16-1, \*Bill Hatcher (Kans). 16- $\frac{1}{2}$ , \*Alan Kane (Can). 16- $\frac{1}{4}$ , \*Vic Dias (P Coast), \*Russ Royal (S Jose St).

## LONG JUMP

You know it's an Olympic year: indefatigable Ralph Boston, 1960 Olympic long jump champion and three-time medalist, is back in the long leap wars. He recently jumped 24-3 $\frac{3}{4}$  in an all-comers meet... The 25-6 $\frac{3}{4}$  by Southern Cal frosh Randy Williams, 1971 prep leader, is his all-time legal best... The standards are up in this event, too; whereas 25-4 $\frac{3}{4}$  led a year ago at this time, that mark would rate seventh this year as the leader is over a foot farther.

1. Henry Hines, Sn Cal (25- $\frac{1}{2}$ n Exam; 26-3 $\frac{1}{4}$  Sunkist) 26-7
2. Josh Owusu, Angelo St (25-7 $\frac{1}{2}$  NAIA) 25-7 $\frac{1}{2}$ \*
3. Arnie Robinson, US Army (25-7 $\frac{1}{2}$  Exam; 24-3 $\frac{3}{4}$ n Sun; 24-11n Ore) 25-7 $\frac{1}{2}$ \*
4. Randy Williams, Sn Cal (24-11 $\frac{1}{2}$ n Sunkist) 25-6 $\frac{3}{4}$ \*
5. James McAlister, Cal TC (25-4 $\frac{1}{4}$  Sunkist) 25-5 $\frac{1}{2}$ \*
- Stan Whitley, Cal Int (24-9 $\frac{3}{4}$ n Sunkist; 25-5 $\frac{1}{2}$  Ore) 25-5 $\frac{1}{2}$ \*
7. Bouncy Moore, Ore (25-1 $\frac{1}{4}$  Ore) 25-1 $\frac{1}{4}$ \*
8. Bob Beamon, Adelphi AA (22-11n Met AAU; 21-7 $\frac{3}{4}$ n Ex; 25-1n Sun) 25-1\*
9. Al Lanier, Cinc (25- $\frac{1}{2}$  USTFF Midwest) 25- $\frac{1}{2}$ \*
- 24-11, \*Norm Tate (NYPC). 24-10 $\frac{3}{4}$ , \*Jim Blaisdell (unat). 24-8 $\frac{1}{2}$ , \*Terry Metcalf (L Beach St), \*Bill Rea (Pitt). 24-7, \*Mike Stull (Kans). 24-6 $\frac{1}{4}$ , \*Mike Hill (Colo). 24-6, \*Charles Geter (Tenn).

## TRIPLE JUMP

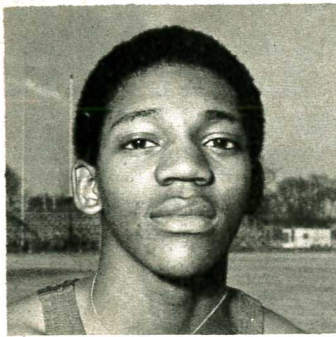
At the risk of a few moans and groans, hisses and boos out there, we'll still say sophomores Ted Heroman and Tommy Haynes have improved by leaps and bounds. LSU's Heroman upped his best from 49-2 $\frac{1}{2}$  to 51- $\frac{3}{4}$ , while Middle Tennessee State's Haynes, known primarily as a long jumper with a 25-11 best, bounded 51- $\frac{1}{2}$  to surpass his former best of 49-10.

1. John Craft, UCTC (52-8 v Wisc, Nn Ill) 52-8\*
2. Robert Reader, Staters (52-4 Exam; 50-9 $\frac{1}{2}$  Ore) 52-4\*
3. Chuck Steffes, NM (52-1 $\frac{1}{2}$  Tri/Alb; 50-10 $\frac{1}{2}$  Tri/Alb; 49-7 $\frac{3}{4}$  Dual) 52-1 $\frac{1}{2}$ \*
4. Barry McClure, Mid Tenn St (51-6 $\frac{3}{4}$  TFF MidW; 51- $\frac{3}{4}$  Ill Inv) 51-6 $\frac{3}{4}$ \*
5. Milan Tiff, Cal Int (51-6 Exam) 51-6\*
6. Al Lanier, Cinc (51-2 $\frac{1}{2}$  USTFF Midwest) 51-2 $\frac{1}{2}$ \*
7. Jim Fraser, BA Strid (51-1 Exam) 51-1\*
8. Ted Heroman, LSU (51- $\frac{3}{4}$  USTFF Sn) 51- $\frac{3}{4}$ \*
9. Tommy Haynes, Mid Tenn St (51- $\frac{1}{2}$ n USTFF Midwest) 51- $\frac{1}{2}$ \*
- 50-5 $\frac{1}{4}$ , Randy Williams (Sn Cal). 50-5 $\frac{1}{4}$ , Patrick Onyango (Wisc). 50-4, \*Jerry Gray (Mo). 50-2 $\frac{1}{2}$ , \*Steve Gough (Falcon TC). 50-1 $\frac{1}{4}$ , \*James Harris (Sn Ill), Larry Vanley (unat). 50- $\frac{3}{4}$ , \*Lincoln Jackson (BA Strid). 49-11 $\frac{1}{2}$ , \*Walter Davenport (E Car). 49-11, \*Rogers Jones (Kans). 49-7, \*Tom Geredine (NE Mo).

## SHOT PUT

Al Feuerbach has been the big shot this winter. His biggest explosion came in the second Pocatello meet when he reached 69-4 $\frac{3}{4}$  to increase his own world indoor best from his 68-11 of 1971. That mark gives big Al four of the five top marks on the all-time indoor list; he also owns 13 of the 30 performances over 67-feet. Randy Matson claims 10. Feuerbach just won't seem to leave Matson's domination of the event alone either--Al's indoor record have ranks behind only seven outdoor throws of Matson's in the history of





Middle Tennessee's Barry McClure has a seasonal triple jump best of 51-6¼ and grabbed third at Mason-Dixon with an effort of 50-11½.



McClure's teammate Tommy Haynes has proved versatile, leaping 24-11¼ for third at Mason-Dixon and tripling 51-½ in his first season of serious triple leaping.

the event. Says Al, "A big throw, like the records, is just a combination of hitting the technique perfectly plus having a big psyche. It's bound to come again" . . . Mac Wilkins of Oregon appears to have made a successful conversion to the shot. A 257-4 javelinist in 1970 before elbow problems curtailed his spear throwing and diverted him to the shot and disc, Wilkins hit a PR 60-1½ at Portland. Combined with his discus best of 176-2, he now ranks as the number-three all-around thrower ever behind only Norway's Harald Lortzen (61-3½, 186-3½, 242-6) and American Jon Cole (62-10¼, 209-1, 204-2) . . . 1960 Olympian Dave Davis appears to be making a comeback at age 34. He has reached 60-7 this winter after not competing at least since 1968. His 64-8½ PR came in 1967.

1. Al Feuerbach, P Coast (68-2¼ Exam; 67-4 Sunkist; 68-6¼ Ore; 68-5¾ Coaches; 69-4¾ Bennion) 69-4¾\*
  2. Randy Matson, Tex Strid (67-3½ Exam; 66-7n Sun; 66-10½n FtW) 67-8¾\*
  3. George Woods, P Coast (66-6n Coaches) 67-6
  4. Fred DeBernardi, El Paso (64-8½n Exam; 66-9½n Sun; 63-6¾ Tri/Albuquerque; 66-9¾ Bennion Gms) 66-9¾\*
  5. Jesse Stuart, Wn Ky TC (62-10½ USTFF Midwest) 65-9¾\*
  6. Karl Salb, MATC (64-5n Coaches; 63-4¾n Bennion) 64-5\*
  7. Doug Lane, Sn Cal (60-5½n Sunkist; 63-11n Oregon) 63-11\*
  8. Brian Oldfield, UCTC (60-5½ Mich R; 63-9 v Wisc, Nn Ill) 63-9\*
  9. Richard Marks, P Coast (61-10n Exam; 61-1¾n Sunkist; 61-10n Oregon; 62-7n Bennion) 62-7\*
  10. Pete Shmook, Ore (62-3¼n Oregon) 62-3¼\*
- 60-11½, Bruce Pirnie' (Can). 60-8, \*Anders Arrhenius' (BYU). 60-7, \*Dave Davis (UCTC). 60-4½, \*Bruce Wilhelm (US Army). 60-1½, \*Mac Wilkins (Ore). 59-6½, \*Greg Cortina (N Dame). 59-6¼, \*Hans Hoglund' (El Paso). 59-5, \*David Frieze (Mo). 59-2½, \*Spike Walker (Ore St). 58-11¾, \*Steve Adams (Mich St). 58-8½, Colin Anderson (Minn). 58-7¾, \*John Stuart (Wn Ky TC). 58-6, \*Richard Bilder (Nn Ill).

## WEIGHT THROW

Kent State teammates Al Schoterman and Jacques Accambray are right where they were at this time last season--occupying first and second on the seasonal list. Both hit seasonal bests--so far--at the Western Michigan Relays, Schoterman upping his collegiate record to 68-11, adding ¾" to his 1971 mark, while Frenchman Accambray reached 67-5. Al produced a fabulous series: 66-3½, 68-5, 68-11, 68-9, 68-5½, 67-4. The duo now claims the top dozen marks in collegiate history with Schoterman owning seven.

1. Al Schoterman, Kent St (68-4 E Mi; 64-6¼n Pitt; 68-11 Wn Mi R) 68-11\*
2. Jacques Accambray', Kent St (67-1½n E Mi; 64-8 Pitt; 67-5n W Mi) 67-5\*
3. Frank Bredice, Sn Conn (63-3½n TFF En; 59-8½ E R; 63-8 AC; 65-1½ Millrose/outdoors) 63-8\*
- Steve Furness, RI (63-8 TFF En; 62-7n AC; 63-8 NEAAU) 63-8\*
5. Al Hall, unat (63-5½n TFF En; 60-9n AC; 62-9n NEAAU) 63-5½\*
6. Al Paliwoda, Conn (62-0n TFF En; 62-8n AC; 63-10½n Mill/out) 62-8\*
7. Mike McDermott, NYU (62-½ Met Jr AAU; 58-7¼ Tri/ W Point; 61-6 Met AAU; 58-10¾n Quad/Princeton) 62-½\*
- 60-3, \*Doug Greenwood (Princ). 60-2, \*Tom Miller (NYAC). 59-8½, Peter Farmer' (El Paso). 58-11, \*Clint Ostrand (Army). 58-7, \*Mike Wolak (Yale). 58-6, Ted Bregar (Navy).

## MILE RELAY

Adelphi's 3:12.2 is not only a "c" track best, but also ranks equal-seventh all-time. All the clockings ahead of it were recorded on more spacious 220-yard ovals.

1. Adelphi (3:12.2c Classic/U; 3:18.6c Millrose/U) 3:12.2c\*
  2. Pacific Coast Club (3:13.0e Bennion) 3:13.0e\*
  3. Philadelphia Pioneers (3:13.4c Classic; 3:17.5c Millrose) 3:13.4c\*
  4. Sports International (3:14.5nc Classic) 3:14.5c\*
  5. Eastern Michigan (3:15.1e Michigan R) 3:15.1e\*
  6. Michigan State (3:15.2ne Mich R; 3:17.0d v NWN) 3:15.2e\*
  - 3:15.4, e\*Southern California. 3:16.1, e\*Idaho State. 3:16.2, e\*AATC. 3:16.4, eBYU. 3:16.9, c\*Temple. 3:17.2, c\*Colorado, e\*Michigan. 3:17.3, c\*NYAC, c\*United AA. 3:17.5, c\*BOHAA.
- Overized track:** 3:14.8, \*Illinois. 3:15.2, \*Murray State. 3:15.6, \*Drake, \*Northeast Missouri. 3:16.4, \*Kentucky State.

## TWO MILE RELAY

7:27.0, c\*Villanova. 7:27.6, c\*Manhattan. 7:32.0, Nebraska. 7:32.2, cFlorida. 7:33.0, cPenn. 7:36.0, c\*Northeastern, c\*Pitt. 7:36.6, cEastern Michigan. 7:37.4, cGeorgetown. 7:37.8, cSt John's. 7:38.0, aPacific Coast. 7:38.2, cWilliam & Mary. 7:39.4, e\*Navy. □

# international × SAO SILVESTRE Surprise at Midnight

Sao Paulo, Brazil, Dec. 31-Jan. 1--The first competition of the 1972 Olympic year--or last of 1971 if you like--saw a little-known Mexican triumph in the 47th edition of the famous Sao Silvestre Round the Houses Run. Rafael Tadeo Palomares, reputed to be one of the famous "running Indians" of Tarahumara, covered the 5.8-mile route through the city streets in 23:47.8 to turn back a field featuring many top international distance stars.

The 22-year-old Palomares, who has reportedly run a 2:14:46 marathon in Mexico City, was up with the leaders throughout the torridly-paced race, run at midnight of the new year in 70° temperatures. At an uphill stretch at the 3000-meter mark, Palomares shared the lead with Colombian Victor Mora and Belgian Emiel Puttemans. Halfway up the hill, Palomares attacked and opened a vital gap on Mora, while Puttemans slowed. Down the final 1500-meter stretch, the Mexican never looked back and won going away from Mora (23:51.6) and Portugal's Carlos Lopes (23:56.2), who caught the wilting Puttemans (4th, 24:15.4). Another Latin, Chilean Edmundo Warnke ran 24:20 in fifth. Other notable finishers included: 6. Akio Usami (Japan) 24:28; 7. Lutz Philipp (WG) 24:30; . . . 9. Karel Lismond (Bel) 24:38; 10. Seppo Tuominen (Fin) 24:45; . . . 12. Lasse Viren (Fin) 25:09; . . . 16. Steve Stageberg (US) 25:15; . . . 24. Juha Vaatainen (Fin) 25:50. The fast initial pace was blamed for the low finish of name runners such as Vaatainen. Many of the runners, principally the Swedes and Finns, suffered badly from blisters. Defending champion Frank Shorter of the US did not compete after catching the flu while in Japan for the Fukuoka marathon.

A few hours earlier than the Sao Paulo race, Britain's Mike Tagg triumphed in Madrid's Sao Silvestre Vallecana, covering the 6000-meter course through the city's barrio in 17:00.4 to top the 17:02 of young countryman David Black. Mohamed Gamoudi ran 17:37.6 for fifth.

## SOUTH AFRICA

### Van Zijl Shines in Broberg-Malan Absence

Three of South Africa's four leading middle distance stars have been out of action recently: Dicky Broberg appears to be in temporary retirement, Danie Malan is suffering from a blood clot in his leg and DeVilliers Lamprecht is sidelined with a pulled muscle. Under these circumstances, it was left to Fanie Van Zijl to set the pace in recent meets there. After an easy 3:42.2 1500-meter win at Potchefstroom on Oct. 23, he set a new national 3000-meter record of 8:00.2 at Pretoria on Nov. 10, then scored an easy victory over Marcello Fiasconaro at Bloemfontein, Nov. 13, 1:47.8 to 1:50.2. In the latter meet, Jan Holtzhausen ran 110-meter hurdles in 13.9.

Fiasconaro, who competed for Italy in the European Championships at Helsinki and was runner-up to Dave Jenkins in the 400-meters, closed his 1971 account in good fashion with two 800s: 1:48.9 at Port Elizabeth on Dec. 18 and 1:48.8 in sweltering heat at Paarl on Dec. 27. On the former occasion, Frans Le Grange lowered the S.A. steeplechase record to 8:45.0. Wilhelm Olivier was second in 8:50.2, quite remarkable for a man of 37.

High jumper Emile Rossouw, who made such a great impression on foreign observers at the first multiracial meet (reported in the Dec issue), scored a double in the Paarl meet, winning the highs in 14.7 and the long in 23-5¾. /Harry Beinart/

## EUROPEAN INDOOR

### Hurdler Dru't's 16-6 3/4 Loses to 17-Year-Old

A Finnish indoor record which stood since 1925 was broken near the end of 1971 as Pekka Vasala ran 5000-meters in 14:02.6. The record he broke was Ville Ritola's famous 14:23.2 made at New York's Madison Square Garden on Feb. 24, 1925, the night that the great Paavo Nurmi chose to run two-miles. In another Finnish meet, early in January, Antti Kalliomaki vaulted 17-¾.

Guy Dru't of France vaulted 16-6¾ but unexpectedly lost to Patrick Abada, not yet 18, who went the same height with fewer misses. Abada's best in 1970 was only 12-5¾, so he improved by over four feet in less than two years. His best going into this meet was 15-9. In the same indoor meet, Gerard Lamy won the high jump at 7-¼ from Henry Elliott, 6-10¾. In West Germany, Volker Ohl vaulted 16-9¼. /R.L. Quercetani/

## LATE WORLD


### New Zealand Foursome Clips 4-Mile Relay Mark

The first world outdoor record of the Olympic year was claimed by a foursome from New Zealand in the four-mile relay. The team of Kevin Ross, Tony Polihill, Richard Tayler and Dick Quax teamed up for a 16:02.8 clocking, which surpassed both the official 16:09.0 and a never-accepted 16:05.0, both set by University of Oregon teams. Splits to the nearest second read: Ross 4:01, Polihill 4:02, Tayler 4:01, Quax 3:58.8. The record occurred Feb. 3 in Auckland. Earlier, on Jan. 15 at Whangarei, Quax set a national 3000-meter record of 7:50.8.

Stocky Soviet sprinter Aleksandr Kornelyuk turned in the season's first world indoor best by a continental when he dashed 60-meters in 6.4 to match the record of countrymen Fyodr Pankratov and Valeriy Borzov. Other leading Soviet performances include a 7-3 high jump by Kestutis Sapka, a 55-¾ triple jump by Viktor Saneyev and a 66-½ shot heave by Valeriy Voikin. Elsewhere in Europe, West German Wolfgang Muller ran the fastest-ever 500-meters of 1:02.6 but on an over-sized track, thus negating the mark from record consideration, while Spaniard Manuel Gayoso lowered his own continental best to 1:03.7, as France's Francois Gonzales matched it. □



# ELECTRONICS BREAKS THE PACE CONTROL BARRIER!



Now, the "Combo" by SPORTS-TRONIX offers every runner the pace control of champions. Audible signals mark every 8th lap, developing time and speed judgment. Eliminates erratic, over- and under-pacing. A regular, rhythmic tone can be set to meter every stride according to desired speed, distance, and runner's stride length. This develops cadence. Lightweight, comfortable, so simple to use that athletes can use without supervision. Proven effective in training and competition. 90-day factory guarantee on workmanship and materials.

Electronic headphone unit  
Durable, lightweight casing  
Calibrated dial  
Adjustable head-band

Send today for your SPORTS-TRONIX Combo. If after 10 days' trial you are not completely satisfied that this is the best way for the athlete to learn effective pace control, return the unit for a full refund!

I WISH TO GIVE THE COMBO A 10-DAY TRIAL:

Name or School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Make check or money order for \$129.00 payable to SPORTS-TRONIX/Perpetual Motion Machines  
3516 El Cortez, Las Vegas, Nevada 89102.

# Terry Williams: A Distance Runner in a Hurry

by Mike Kennedy  
Terry Williams. To the state of Washington he's the one that got away; to his teammates he's a leader by example; to his opposition he's the one to catch; but to most track fans, he's unknown.

Spokane, Washington, a city noted for its prep distance stars, was Terry's home until 1966 when he moved to Lompoc, California, a community 40 miles northwest of Santa Barbara. In two years at Lompoc Junior High, he lost only one race and had a best mile of 5:05 before graduating to Lompoc High.

Cross country running has given Williams his greatest success as well as his bitterest disappointment. As a 14-year-old, he finished fifth in the Southern Section finals in 9:52 over the mostly flat two-mile, 50-yard course. In the 1970 championships, he upset the field to become the first sophomore to ever win an individual title. This last season he set a course record of 9:26.6 in the prelims while suffering a severe sore throat. But the next week, in the finals, Williams suffered his first loss of the year, finishing 12th.

"I'm not sure what happened. I just felt stale. I couldn't turn it on when I wanted to. Four weeks earlier, I had my highest ever weekly mileage (109) and still broke Dave Harper's (San Diego Clairemont) course record of 9:36.6 at Mt. San Antonio College. (Although over 3000 preps run annually at Mt. SAC, only eight have ever gone under 10:00.) Then the week of the finals, I ran only 30 miles. Maybe I should have put in more distance."

On the track, Williams' performances have been equally outstanding even though somewhat obscure. As a freshman, he ran a 9:48.8 two-mile although sick much of the spring. But in 1971 he was third in the sectional finals with a 9:01.6--a sophomore time second only to Craig Virgin's class record of 8:57.4. His come-through third-place finish gave Lompoc a one point victory in the team championship. Five days later, he finished seventh in the state meet with a 9:07.2. Later in the summer he set a national sophomore record of 11-miles, 366-yards in a one-hour run as well as running a 30:53.0 six-mile time en route.

But it was in last fall's postal competitions that he really got hot. In November, as a 16-year-old junior, he lowered his two-mile PR to 9:00.4. One month later, he set his second class record, this time with a 14:07.0 three-mile, winning by over a minute in winds ranging up to 25 mph. "If conditions had been more favorable, the time could have been 15 or 20 seconds faster," relates Terry. "The weather isn't very good for distance running in Lompoc. It's almost always cold with the winds blowing at 20 or 30 mph in the afternoon. We work out in full sweats and someone always seems to be getting sick." Still, both his times held up as winning postal marks and becomes the first to ever take both races. And indoors, he has been better still, setting a junior class standard of 8:57.4.

The highly successful Lompoc distance program, conceived by Frank Hiatt, who last year went to Indiana U. to complete graduate work, is now directed by Dick Johnson. Terry credits coach Hiatt with having the greatest influence on his running. "He builds you into being a winner. He talks you into being a champ. It isn't that he knows a lot about track... he just knows what to say. Last year, I lost for the first time in the sectional semifinals. I was down, way down. He brought me back. He gave me the confidence to run as well as I did."

Hiatt put his runners on two-a-day workouts and weight training three days a week. "It's all LSD," says Terry. "In the morning, we jog an easy seven or eight miles, then in the afternoon we run pace miles in a giant grass field. Once a week we run for time over a 1.4-mile course. Since we don't have much competition we 'run through' most of our meets. At peak season, I get up to about 100 miles a week. In the spring, we switch some of our afternoon workouts to the track but it's still pace work. For instance, if I am running repeat 110's, they're all at 17 seconds. This spring things might change a little though because Mr. Johnson is noted for his interval workouts."

Williams is looking forward to the sectional two-mile finals and a rematch with Gordon Innes of Upland, national junior class record holder at 8:54.4, and Marc Genet of Santa Ana (9:00.6). Both defeated him last year. "I like to force the pace and get rid of the opposition. I would like to run 66 second laps for the entire race." That works out to 8:48.0!

Terry Williams was born December 9, 1954 in Spokane. He is 5-8 and weighs 135 pounds. His progression:

Year	Age	School	Grade	Mile	2Mile	3Mile	6Mile
1967/68	12/13	Lompoc Jr	7	5:19			
1968/69	13/14	Lompoc Jr	8	5:05			
1969/70	14/15	Lompoc HS	9	4:39	9:48.7		
1970/71	15/16	Lompoc HS	10	4:22.0	9:01.2		30:53
1971/72	16/17	Lompoc HS	11	4:25"	8:57.4i	14:07.0	31:00.8



Terry Williams paces prep two-milers indoors with his 8:57.4 at the LA Times--and he's a junior. /Chip Gane/

# REEBOK

SHOES and SPIKES



Mfg. in England since 1900  
15 Models  
2 World Records  
Winner Commonwealth Games  
Winner World's Fastest Marathon  
Winner Boston Marathon (1970)  
Course Record  
71 Years of Quality and Credits

FREE BROCHURE:  
FIELD AND TRACK IMPORTS, LTD.  
P.O. Box 574, New Caney, Texas 77357  
THE CHOICE OF CHAMPIONS

# ARTHUR LYDIARD ATHLETIC COACHING

P.O. Box 60075 Titirangi  
Auckland, New Zealand

Be coached by Arthur Lydiard.

Write to the above address for particulars.





# COMPUTERIZED RUNNING TRAINING PROGRAMS

By James B. Gardner & J. Gerry Purdy

780 POINT LEVEL PACING TABLE

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

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

159

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

## CONTENTS:

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

## PRAISE FROM THE EXPERTS:

"The greatest contribution to track and field to come along in years," Jim Bush, Track Coach, UCLA.

"A great help to me in planning my interval training program . . . The results have been very positive," Bob Myers, Track Coach, El Camino College.

"(The book) is excellent and we use it . . . A real contribution to track and field," Al Buehler, Track Coach, Duke University.

"Of tremendous help in setting up long range and varied training programs . . . Your book takes care of all levels—the ace and the also ran." Bob Timmons, Track Coach, U. of Kansas.

"Of practical help, whatever your training system," Ken Doherty, author and ex-Track Coach, U. of Pennsylvania.

"Important publication . . . The system is clear and easy to use . . . For the coach it is a time saver. He can now easily set up workouts for his athletes and tailor the workout for the individual," Senior Track Club Newsletter.

118 pages of explanatory text (a valuable training guide in itself!) and 122 pages of tables. 1970. \$4.50

Please add 25¢ per book for postage & handling.

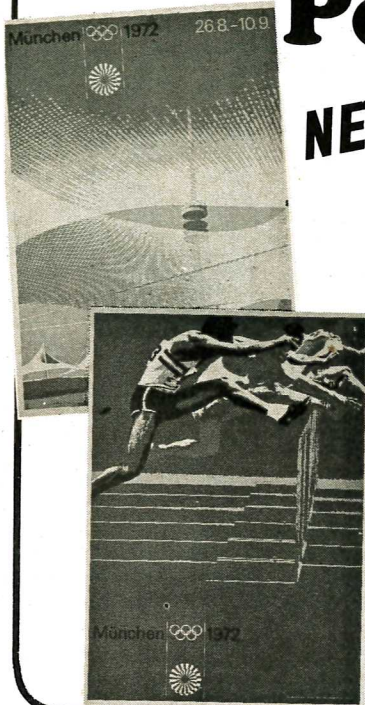
Track & Field News

Box 296

Los Altos, Calif. 94022



# 1972 Olympic Posters



**NEW!**



Handsome new 4-color official Olympic posters on the 1972 Games at Munich, Germany. **Giant-size — 23 1/4 x 33 1/4 inches**, for magnificent wall displays.

Poster A — Track & field theme  
Poster B — Olympic stadia theme

Prices: \$2.00 each, including postage and handling (shipped unfolded in protective mailing tube). \$3.50 for both posters.

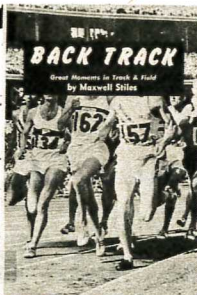
Full color

## "BACK TRACK"

72 thrilling articles from the award winning typewriter of Max Stiles, dean of the country's track reporters. Over 80,000 words of the best in track since 1920. Accounts of races, interviews, profiles, and much more. Hours of good reading for everyone interested in track. As timely and interesting today as when written. Now in its third printing.

Only \$1.00

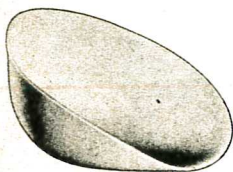
Track & Field News, Box 296, Los Altos, Calif. 94022



Recommended By Leading Trainers and Coaches!

## PROTECT Healthy Heels Against Bruising Bruised Heels From Further Injury and Soreness with M-F HEEL PROTECTORS\*

For best possible total performance without injury, trainers and coaches country-wide recommend M-F Heel Protectors.



Made of tough laminated plastic with strength and resilience to spread tremendous impact shock without breaking, M-F Heel Protectors are thin, lightweight, comfortable — they fit against the heel or against the sock like a second skin.

Heel Protector actually molds itself to the shape of the foot, hugs heel tightly, protects against blisters, bruises and traumatic conditions induced through athletic competition.

\$1.25 EACH

\$9.95 DOZEN

Order from Track & Field News

## Of People & Things

by Bert Nelson ✕

Isaac Curtis' name has been removed from NCAA track records but the former University of California sprinter may yet become a big man in the history of intercollegiate sports.

You may remember that Curtis placed in three events in the 1970 NCAA and his points helped give Cal the title. And that months later the NCAA ruled Curtis ineligible, forfeited his points and took the title away from the Berkeley school. And that just before the 1971 NCAA Championships, the NCAA levied further penalties on runner and school. The reason was Isaac's failure to take the 1.6 test, required by the NCAA to indicate an athlete is capable of doing C- work. No matter that Curtis turned out to be a B student at a prestigious school. Or that the penalty was completely out of line with the violation. The NCAA, for reasons it has yet to make public, determined to be as tough as possible, perhaps to teach some lessons.

Now it appears the NCAA itself may be learning a few lessons. For Cal decided to fight, took the latter to court, and won. A US District Court judge has ruled that California may be taken off its indefinite NCAA probation and that Curtis be made eligible. The NCAA says it will appeal, and puts a different interpretation on the decision than does the university. And Curtis, meanwhile, has transferred to San Diego State. So the outcome is in doubt and may not be clarified for some time.

But no matter what, Curtis and Cal have made history by challenging the arbitrary rule of the heretofore all-powerful NCAA. They have proved that athletes, like all the rest of us, do have civil rights. Undoubtedly they have opened the door to others to question the fairness of restrictions and penalties. No longer will schools and athletes have to accept NCAA decisions without recourse.

Actually, they never have had to, and I have often thought that certain actions should be tested in the courts. A notable incident was the NCAA's shameful pressurizing of athletes to stay out of the 1965 AAU. (They went so far as to claim an entire school would be made ineligible if a trackman asserted his right to compete in the national championships. Most athletes backed off, but little Gerry Lindgren told the NCAA to go to hell, broke the world six-mile record in narrowly losing to Billy Mills, and suffered no penalties.)

The NCAA isn't the only sports governing body to be affected by the realization that athletes can obtain their civil rights in court. Now the AAU surely must face facts, and perhaps even the IAAF and IOC, although they are international bodies and harder to reach.

I'm no lawyer, but I would be willing to bet the courts would rule that Tom Hill is being deprived of his rights to have his world record equating 13.2 recognized. That Tom Jennings can't be suspended from the AAU simply because he spoke against it. That coaches and perhaps professional footballers are being deprived illegally of their rights to compete in track.

Matters are not going to change overnight, but it's a different game from now on. And it's about time.

### TWO CRAZY THOUGHTS

The Internal Revenue Service has collected income tax on the value of the Hickok belt, awarded annually to the professional athlete of the year. Maury Wills, the baseballer, was forced to pay up when the tax courts ruled the \$8000 belt had resale value and thus constituted income. What does this mean to all those trackmen who win medals of gold? What is the gold in an Olympic first place medal worth and will the IRS collect?

When a long or triple jumper steps over the take-off board into foul territory, is he really fouling or merely taking an extremely short jump? The intent of the rules, obviously, is that he fouls. But what is to prevent the athlete from claiming that he took off a full stride behind the board and barely jumped over it? Why would he do such a silly thing? To keep from fouling, perhaps. Supposing enough jumpers come up with three fouls apiece in the preliminaries so that there is nobody left to claim third place points, or even second, or first? Wouldn't the one who stepped farthest over the scratch line have a longer "jump" than all the others? Fantasizing further, supposing the meet depended on that point? Think of the fun the athlete, officials and opposing coaches could have kicking that one around. Who knows, it might even become a civil rights issue.

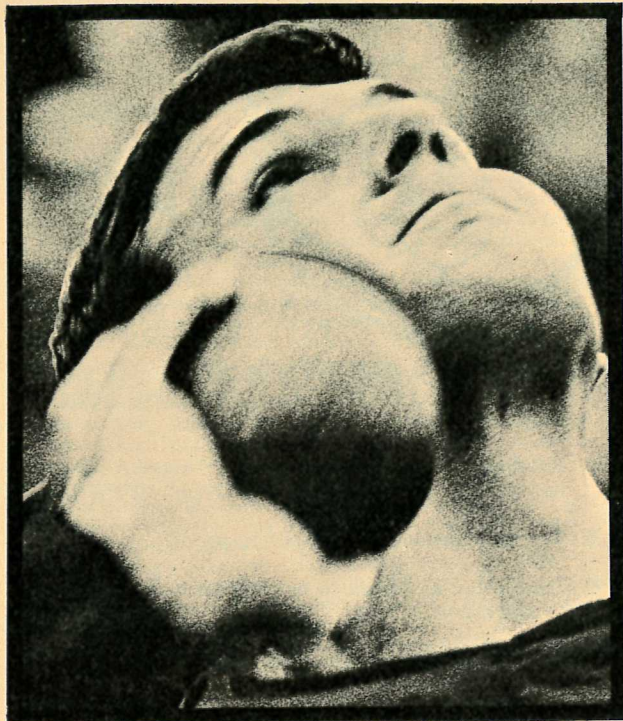
A curious fact emerges from the dullness that is the Winter Olympics. The resident expert said most speed skating records are established at high altitudes. This is rather surprising since two of the four men's events are the 5000- and 10,000-meters, and it takes more than seven minutes to glide around 5000-meters. In running, the lesser supply of oxygen becomes a factor at about the two-minute level, but apparently this is not so in skating.

Little noticed among the activities of the last AAU convention was a motion to form an Aquatic Federation, which some interpret as a desire of the swim people to break away from the AAU. And why not? Undoubtedly the water athletes feel their affairs would be better handled by an organization whose sole allegiance was to swimming. Besides, they have long complained that they put more money into the AAU treasury, since they have more registered athletes, but get back less than their share. Many track and field people sympathize. It's long been obvious that track and field administration would be much improved if all interested parties banded together in a single organization whose exclusive concern was track and field.

Those of us fortunate enough to attend the Olympics will do well to note the street signs as we move about the Olympic grounds. They have been named after prominent Olympic figures and over half of them are tracksters, starting with Spiridon Louis, Greece's 1896 marathon winner. Also honored are James Connolly, US triple and long jump winner, 1896, 1900; Hanns Braun, Germany, 400 and 800, 1908 and 1912; Hannes Kolehmainen, Finland, distances, 1912 and 1920; Janusz Kusocinski, Poland, 10,000, 1932; Rudolf Harbig, Germany, middle distances, 1936; Luz Long, Germany, long jump, 1936; Jack Lovelock, New Zealand, 1500, 1936; and Lillian Board, Britain, 400, 1968. □



# The Face That Launched A Thousand Shots



## Read The Randy Matson Story

A FINE BIOGRAPHY BY CARLTON STOWERS

Without question, Randy Matson is history's greatest shot putter. World record holder (over two feet ahead of the second best performer) and Olympic champion, Randy has dominated his event since the mid-sixties, after his meteoric rise as a college freshman earned him the silver medal at Tokyo. West Texas sportswriter Carlton Stowers, who has known Randy and followed his career closely since Matson's spectacular high school days, has now chronicled his magnificent track and field career in full. He takes us from Randy's earliest sports effort as a Little League slugger thru the summer of 1971. It's an inspiring story of Randy's triumphs and travails, and it will be of immense interest to every track fan, young or old. Well illustrated, with about 40 photos. Statistical appendix. Hard cover. \$5.95

Order from:

TRACK & FIELD NEWS • BOX 296 • LOS ALTOS • CALIFORNIA 94022

## RECOMMENDED READING from Track & Field News

GREAT READING . . . GREAT REFERENCE

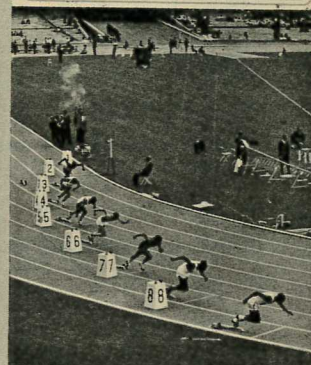
### Track and Field: The Great Ones

\$5.75

by Corder Nelson

Corder Nelson's latest book tells of career high points of history's greatest track and field athletes. 13 chapters on Nurmi, Owens, Warmerdam, Dillard, Zatopek, Mathias, Parry O'Brien, Rafer Johnson, Glenn Davis, Oerter, Brumel, Snell, Elliott. And a 56-page supplement gives profiles of 180 other major stars of yesterday and today. A great book for your leisure reading, as well as a "must" for your reference library. 14 photographs. 216 pages. Hard cover. "Of all the books on the market concerning track and field, this one stands out by itself . . . This is a book I strongly recommend for all track and running fans," John Pagliano, Seniors Newsletter.

Track and Field  
THE GREAT ONES  
Corder Nelson



## READ ABOUT RYUN



- \* HIS RACES
- \* HIS RIVALS
- \* HIS DEVELOPMENT AS A RUNNER

STILL THE BEST-EVER  
TRACK BIOGRAPHY

Warmly revealing story of Jim Ryun's road to the world mile record, in words and pictures. Inspiring, fascinating account of Jim's transformation from an obscure high school runner to the most feared middle distance runner in history.

## JIM RYUN STORY

272 absorbing pages by Corder Nelson, including 187 outstanding photos by Rich Clarkson. Hard cover.

\$5.95

Add 25¢ per book for postage & handling.

TRACK & FIELD NEWS, Box 296, Los Altos, California 94022



# AGE- RECORD UP-DATE

Jack Shepard and the editorial staff of Track & Field News have now brought the original Shepard-Hugh Gardner age-record compilation up to January 1, 1972. This new 48-page booklet lists world and U.S. track and field bests for male athletes from ages 1 through 79. Actual birthdates of each athlete are given along with date and place the record was established. 37 events are reported, including the marathon, one-hour run, 6-, 8-, 12-, and 16-lb. shot, decathlon, etc. Both English and metric marks are provided for the field events. Some new features are:

- Group lists are one and a half times longer
- Fifty per cent of the information is new
- Contains newly verified data from previously unreported competitions and from unsubstantiated conditions
- Seven hundred (700) new entries added
- The age span has increased six years to include ages 1 through 79
- Eighty per cent of new marks previously reported on juniors and seniors amended

And the following facts can be gleaned:

- Kevin Strain owns below age-5 records in 12 different events
- Only the triple jump and 880 world records are held by teen-agers.
- Runners as young as 13 years old and as old as 65 have broken the 3-hour barrier in the marathon
- One Jack Wall has 21 current age bests in the shot, discus and javelin

Get your copy of Age Records-72 today and discover many more fascinating facts for yourself.

## Age Records-1972 \$1.00

TRACK & FIELD NEWS, Box 296, Los Altos, Ca. 94022



## Three Circle Timers

Famous  
Junghans  
Standard  
3-Circle  
Timer

Suggested list price, \$52.00  
T&FN's price to you, \$33.95

- \* Three separate dials (for minutes, seconds, tenths) make readings easier. Avoids the hands being on top of each other.
- \* Readings more exact as the 1/10-second hand always stops accurately on the stroke of the scale.
- \* 7 jewels, jeweled pallets, shock-proof.
- \* Start, stop, and back to zero by successive pressure on the crown.
- \* Chromium plated metal case, 55mm.

TRACK & FIELD NEWS, Box 296, Los Altos, California 94022

## ARE YOU READING TRACK STATS?



RECENT ISSUES HAVE HAD THESE INTERESTING STATISTICAL FEATURES:

- *European Indoor Records*
- *Indoor Non-Winning Bests*
- *All-Time U.S. Outdoor List:*
  - 100 yards (all 9.3 performances and better)
  - 100 meters (all 10.1s and better)
  - 200 meters (all 20.4s and better)
  - 400 meters (all 45.7s and better)
  - 800 meters (all 1:47.2s and better)
  - 1500 meters (all 3:44.4 and better)
  - One mile (all 4:00.4 and better)
- *T&FN 3-Mile/5000m. World Rankings (1947-71)*
- *T&FN 1-Mile/1500m. World Rankings (1947-71)*

TRACK STATS comes to you as a part of your TRACK NEWSLETTER subscription. Not only will you get the latest results (all the marks that make T&FN's reporting standards), but you'll get this invaluable statistical material available nowhere else. Subscribe now.

\$8.00 yr. in the U.S.A. 25 issues a year by 1st class mail.  
Track Newsletter, Box 296, Los Altos, California 94022



# ELECTRONIC TIMING COMING ON FAST X

by Bert Nelson

Electronic timing, off to a slow start, is coming on fast. In the four months since T&FN surveyed the status of timing and judging (Oct. 1971 Track and Field News) several new pieces of equipment have been put on the market or announced and rule revisions are underway.

The first-ever hand-held, digital electronic timers now are available for individual timers, coaches and fans. More companies have come forth to challenge Data-Time, the acknowledged leader whose equipment has been used in the biggest of meets for the past two seasons. And now there is a timer which does not display times digitally but rather prints, quickly and automatically, the times of 10 competitors.

But the most far-reaching development is the production of a low-cost, accurate photo-timer called Accutrack. It has not yet had extensive testing in actual meet conditions, but if it lives up to expectations it will be the first timer to satisfy the criteria set forth by T&FN for fully automatic, completely accurate timing and placing on a wide scale. Needed, said T&FN, is (1) an accurate timer, (2) a means of starting the timer automatically, (3) a means of stopping the timer automatically, and (4) an affordable cost.

Until now, no system met more than three of the requirements. Data-Time fills all the needs except for automatic stopping and the human error still exists at the finish line. The Bulova and other photo-timers give the automatic start and stop but fall far short on cost, Bulova's one-of-a-kind system costing \$250,000 and requiring six or more men to operate.

Accutrack, produced by Specialty Instruments Corp. of Grand Prairie, Texas, claims to fill all four requirements. It utilizes a solid state electronic timer for dependable accuracy. It is started directly by the gun. The finish is recorded on a film strip and the times to a hundredth-second optically transferred to the film, eliminating possibility of error. This is pretty much what Bulova does but Accutrack does it a little more accurately and a lot quicker. Whereas the Bulova film has to be hand processed away from the camera, Accutrack uses the Polaroid principle to produce its picture in just five seconds. The entire operation requires only one operator, with no special skills needed.

And whereas Bulova's unit costs \$250,000 and is not for sale, Accutrack is priced at \$1995. This brings it within reach of all major track meets and the track-minded colleges. For the first time, fully automatic timing and judging will be available on a wide scale. Actually, it's not quite fully automatic, for judges must read the picture to determine places and times. But the human element has been eliminated from the actual starting and stopping of the timer.

Actually, Accutrack is not alone in using the Polaroid system for quick, cheap photo-finish pictures. Such a system will be used this year in the Olympics, which heretofore has used systems similar to Bulova's, including one by Omega in 1968 and by Seiko in 1964, when electronic timing first became mandatory. This time the timing company is Junghans, maker of the unique three circle stop watches. Junghans will use the Polaroid principle but the overall system is more complex and more expensive than Accutrack's, although surely not in the Bulova category. And to date, Junghans has not put its system on the market.

The complete Accutrack photo-finish camera and electronic timer weighs about 50-lbs., operates on batteries (or alternating current) and is easily moved between various finish lines. The camera lens is at right and the control panel and film access panel at left. An optional tri-pod facilitates portability and focusing on the finish line.

The Accutrack film will record two seconds of a race, compared with about six-tenths on the Bulova picture and a virtually unlimited time span on the fancy Junghans Olympic set-up. The photo is much smaller than Bulova's, but with the aid of the picture evaluation tool and a magnifying glass it can be read quickly and accurately. Accutrack was used at the Coaches Games in Fort Worth and, according to company officials, "without exception each picture provided finish determination so clearly that there was not a single bit of uncertainty among judges".

Although Accutrack is first out with an automatic timing system it is not likely to have the field to itself for long. Data-Time officials report they are working on a finish procedure which will make their timers completely automatic, eliminating even the necessity to read photos. They will not reveal details but are hopeful of having a pilot model this spring.

Data-Time also is working on its own hand-held, individual, digital electronic timer, and says it won't be long in coming. Meanwhile, three other companies are in the market-place with the first major change in individual timing since the invention of the stop watch.

Cox Electronic Systems of Salt Lake City has introduced its Minitimer, a compact ( $4\frac{1}{2} \times 2\frac{1}{4} \times 1\frac{1}{4}$ ), 14-ounce bundle of advanced solid-state electronics. The others are by Seiko, the Japanese maker of the 1964 Olympic timing systems, and Longine.

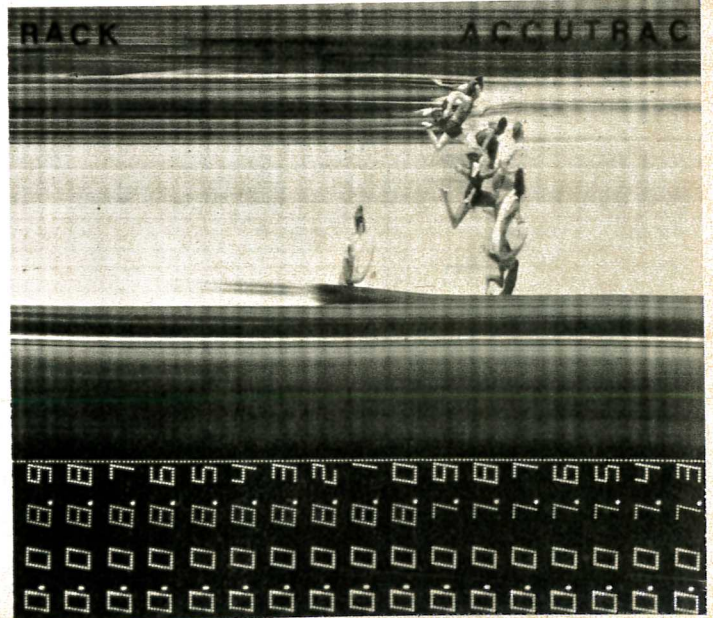
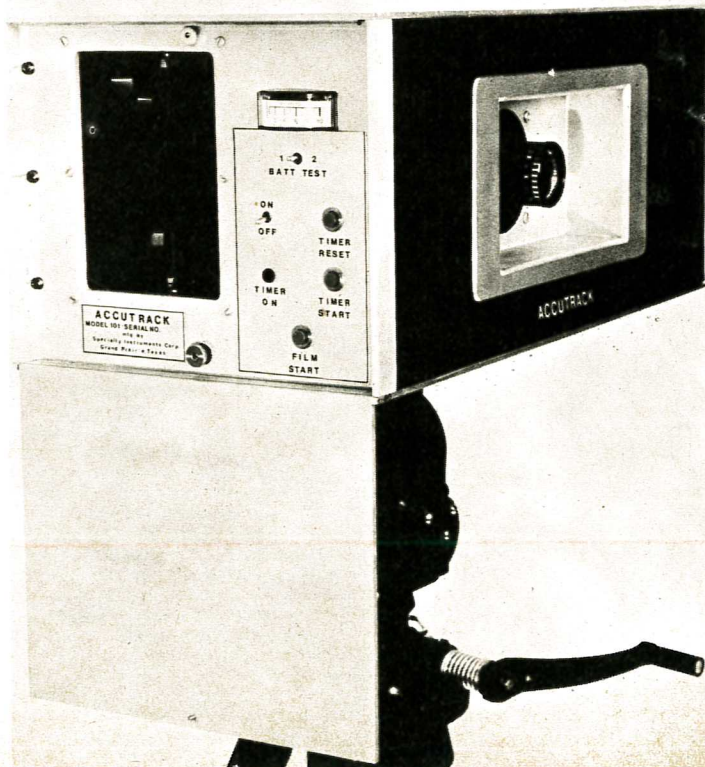
All units bring to individuals the degree of accuracy which, until now had been available only with the big, expensive multi-clocked systems. The human factor remains, as with a mechanical stop watch. But the electronic units offer the easiest possible reading of the time with consequent elimination of error. The lighted numbers are easily read in the dark and by less than perfect eyes. Split times can be taken. The Minitimer sells for \$295.00 while the Longine unit is priced at \$900. No price is available for the Seiko.

A somewhat different approach to reporting times for the large, multi-competitor units has been taken by Automated Computerized Timing of Lakewood, Colorado. Their ACT 1 unit utilizes a rapid, compact printer. Times for 10 participants are printed to .001 second, less than two seconds after completion of the race. Printed splits and multiple copies are available at the push of a button. It is priced at \$3000 and the company states it can design a completely automatic system for any track race which is run in lanes but has not yet found the answer for other races. As yet, however, it has not done so.

Necco, the scoreboard company in Greenville, Illinois, weighs in with a portable system handling up to six places. It displays times in thousandths. And Cox Electronics Systems has the Digitimer, a large unit capable of handling up to 10 channels, in addition to its Minitimer.

While these and other manufacturers are racing both to sell the track world on electronic timing and to gain competitive advantage, the age of electronics is gaining ever more official recognition. The IAAF has adopted supplemental decathlon scoring tables for hundredth second timing in the 100-meters and 110-meters hurdles when electronic equipment is available. And Bill McClure, secretary of the NCAA rules committee, is working on proposed changes to make NCAA rules fit the rapidly altering circumstances of timekeeping and place judging. □

This is what a portion of an Accutrack photo-finish picture looks like, reproduced in actual size. Standard Polaroid film, 4" x 5", is exposed through an aperture only .01 inches wide. The film moves past the exposure aperture, continuously recording only the finish line or anything passing through it. As is true in the Bulova, Junghans and other photo-finish systems, this provides a photo of each athlete as he hits the finish line, not a photo of relative positions when the winner finishes. A line from the most-forward part of the torso and perpendicular to the row of small dots just above the numbers will indicate time to a hundredth-second. The 1/100th decimal at the bottom of the right-hand number is 0/100. Thus 7.7 is 7.70 seconds while 7.7: (two dots) is 7.71 seconds, etc. A picture evaluation tool aids in a quick and accurate reading of the picture. Shown here is the finish of the high school 60-yard hurdle final in the Coaches Games at Ft. Worth where the winner ran 7.74, second was 7.75, third 7.80 and seventh 8.13.





# Ted Haydon: A Special Coach x

by Lowell Paul

When I arrived at the University of Chicago in the fall of 1967 after a 13 month sojourn in Europe I looked, as a friend of mine later remarked, "like a cross between a teeny-bopper and a hippie"--an appearance not calculated to win me much credibility or approbation in athletic circles. As Tom Von Ruden remarked to me the following June after I had narrowly missed the final of the AAU 800-meters: "You surprised a lot of people last night. Most everyone thought you just came to watch." It was, therefore, with much apprehension and uncertainty that I approached the office of the head track coach of the University of Chicago.

I had read somewhere he had been selected as a member of the coaching staff for the 1968 Olympic team, and I could only imagine where a man who had gained such a title might stand on things like beards, long hair, etc. As I stepped diffidently through the open door, a white-haired, somewhat red-faced man looked up from a desk piled high with papers, smiled and asked what he could do for me. When I muttered something about wanting to run, he seemed not at all surprised, but instead told me a little about the University of Chicago Track Club, gave me a locker number and told me what time practice started. I left feeling both amazed and relieved and I decided this Mr. Haydon was probably worth getting to know.

My three years at the University of Chicago more than vindicated my initial impression. Indeed, I found it necessary for me to carry pencil and paper to every meet in which I ran, especially those to which I journeyed alone. Not to sign autographs, mind you, but rather simply to write down the names of those who, catching sight of my UCTC jersey, would ask to be remembered to Ted--athletes of all ages from all over the country, coaches and administrators, and elderly officials. For Ted Haydon is, without a doubt, one of the most well-liked and widely respected coaches in American track and field today. He has been selected as coach and manager of international teams which have competed in the Soviet Union and Europe as well as the Maccabean, Pan-American and Olympic teams. In the voting for coaches for the 1972 Olympic team, he ranked third and will serve for the second consecutive time on the coaching staff. Although these selections are often viewed as mere political or popularity contests rare is the objection to Haydon's selection; his rapport with the athletes is exceptional.

What is so unique about Ted Haydon? That is, of course, a difficult question to answer. A hint, however, may be discovered in his background. A native of Chicago (although born in Canada), Ted studied at the University of Chicago where, as a somewhat anomalous combination high hurdler-hammer thrower, he was captain of the track team in 1933. After leaving the university with a masters degree in sociology, Ted went into social work on the tough Chicago north side and was out of competition for 13 years. In 1947, after his doctor informed him that he was a physical wreck and had to get some exercise, he gave up chain smoking and returned to the U of C to work out. During this period, he helped to organize what came to be known as the University of Chicago Track Club, so that he and other noncollegians could compete as a team, and also assisted Ned Merriam, the U of C varsity coach. In 1950, when Merriam retired, Ted took over as head track coach of the University of Chicago.

Just how much influence this grounding in social work has had on Haydon's approach to coaching is impossible to say. The fact remains, however, that whereas many career coaches tend to view sport as an end in itself and individual athletes primarily as means to that end--which seems to justify, among other things, imposing all sorts of demands upon the individual merely as a prerequisite to participation in organized sport--Haydon takes the opposite approach, asking not what the individual can contribute to the sport, but rather what track and field can do for the individual. In his own words: "My basic philosophy is: if you are a track coach, you encourage track people. You don't kick people out when they want to run, and you don't close up the stadium."

Nor do you lay down a lot of more or less arbitrary rules for membership on your team. After one of my come-from-behind-to-beat-the-NYAC anchor legs in Madison Square Garden, an AAU official came up to Ted and remarked: "You've got a hell of an anchor man there. Can't you get him to shave off his beard?" Ted just laughed. "I like to remain flexible," he once explained to me in a discussion of the relevance of training rules. "By laying down a set of rigid rules, all you really succeed in doing is putting limits on yourself, on your ability to respond creatively and positively to the needs of a particular individual in any given situation." A typical sociologist's response? Perhaps. But it's also the reason why there are a lot of people running in Chicago who wouldn't be running in a lot of other places.

Haydon's concept of athletics for the athletes is also apparent in his views on the relationship of sports to the university: "Whether you win or lose, I don't think athletics should be used for promotional value, but, in a university, athletes should come out of the student body rather than be recruited. Most of the boys in our program keep on running. Many times the recruited athlete quits, stops running once the awards are gone and the pressure is off. Our boys run, and run, and run, and as long as they are running, they keep getting better." While applauding and encouraging success as much as any coach, Ted does not believe that the frantic drive to reach the top in the shortest possible time displayed by many university athletes, which often results in injury, disillusionment and lack of desire to continue, is the best way to reach that goal. For if there is something good about running, as Haydon believes there is, then it should be a source of continuing pleasure and satisfaction and not a grim endeavor to be absolved as quickly as possible.

One major reason why so many athletes "keep on running" in Chicago is the University of Chicago Track Club, which, following Haydon's coaching philosophy, "is organized to encourage and promote participation in track and field athletics". The UCTC has, in the 20 some years since its inception, become one of the top track clubs in the nation. And yet the real signifi-

cance of the UCTC for US track and field lies not in the athletes it sends to the national championships and who represent the US on various international teams, but rather in the much larger number of its members who never get near the AAU qualifying standard. Perhaps the most striking feature about UCTC is that it is well represented at every level of competence. For the club is open to all would-be participants in track and field. Or, as Haydon wryly remarks: "We don't discriminate against anyone on the basis of race, creed or talent." In addition to providing training facilities and top flight coaching (Haydon), the UCTC also sponsors a full program of indoor and outdoor open track meets which provide opportunities for competition for all interested athletes and which have attracted great interest from athletes through the Midwest.

The driving and sustaining force behind the UCTC is, of course, Ted Haydon. Indeed, it is hard to imagine the club and its program without him. Ted serves the club as coach, meet promoter, secretary, fund raiser and treasurer, all of which is in addition to his regular job as head track coach for the U of C. Which is pretty remarkable, in a way, for he receives no monetary compensation whatsoever for the countless hours devoted to UCTC. Noncollegians, unfortunately, are seldom in a position to arrange their schedules around a given practice time, and Haydon is often at the track at 8:00 am and after 7:00 pm, in all kinds of weather, calling out times and encouragement for perhaps just a single athlete. The amount of administrative work--writing letters, organizing meets, locating officials, soliciting funds, etc.,--is staggering. And meet weekends sometimes resemble a hectic barn-storming tour. In February of 1969, Ted accompanied me to the Telegram-Maple Leaf Games in Toronto, rose at 5:00 a.m. the next morning to fly back to Chicago to run off a meet that afternoon, and still managed somehow to make it to Louisville that evening to watch the UCTC two-mile relay set a new American record. That in itself must be some kind of American record.

Although the University of Chicago Track Club does make use of the university facilities for training and meets, it receives no financial support from the U of C and is consequently largely dependent upon the contributions of a large number of interested persons, a not insignificant number of whom have little or no interest in track and field itself but who simply think a great deal of Ted Haydon. Although the club always manages to keep its head above water, its financial situation is always a bit uncertain, and athletes are frequently asked to cover a part of their expenses to meets if possible. But Haydon always somehow manages to come up with funds to send his athletes to those meets which are of paramount importance for the athletes themselves, such as the national championships, although these are invariably the most expensive meets. For Ted Haydon is truly an athletes' coach.

Lest it be thought that Haydon is some sort of self-denying fanatic dedicated to the altruistic service of his athletes, nothing could be farther from the truth. At a banquet sponsored by the U of C varsity in 1970 honoring Ted's 20th anniversary as head track coach he made it clear that the job of a track coach is a two-way street, and that he feels he gets as much out of it as he puts into it. "After all," he remarked, in a time honored phrase, "it takes two to make a relationship." Upon these relationships, both between himself and his athletes and between the athletes themselves, Haydon places a great deal of value. For example, although he frequently must ask athletes to pay a part of their own expenses to meets he will nevertheless often include a good meal after the meet in the portion covered by UCTC. Not because he is worried about the way his athletes eat (although he well might be), but rather because of the opportunity for fellowship and togetherness which it provides. There is never any complaint on the part of the athletes. Due in no small part to Haydon's efforts and mere presence as a cohesive factor, there exists, for a club as loosely knit as UCTC, a remarkable spirit of camaraderie, and all of us look forward eagerly to these after-meet occasions for relaxation and socialization. And as one varsity member remarked to Ted after a combined varsity-UCTC meal following an open meet in Michigan: "Boy! Those guys sure can bullshit!"

Be that as it may, the raconteur nonpareil of UCTC is Haydon. Equipped with a droll sense of humor, a gregarious nature and a great fund of experiences upon which to draw, Ted can spin tales for hours on end. Which is why a Haydon workout sometimes lasts longer than three hours. But story telling is apparently also a two-way street, and there must be equally as many stories to tell about Ted as he tells about others. Indeed, Hal Higdon speculated that at Haydon's funeral, "instead of crying, we'll be standing around swapping our favorite Haydon anecdotes". Space, unfortunately, does not permit me to jump the gun in this article.

Perhaps the most remarkable thing about Haydon, however, is the sense of perspective which he manages to maintain. There are a lot of dedicated track coaches; there are far fewer who manage to avoid the religious-like fervor which strong devotion to a particular goal or ideal naturally invites. Although extremely dedicated to a task he considers important, Haydon nevertheless manages to find several weeks each summer to get away to the woods of Michigan for fishing and relaxation. Although tirelessly aiding and encouraging his athletes, he always stops short of any form of overt pressure out of a conscious respect for the freedom of the individual. And when I once asked him what would happen to the University of Chicago Track Club when he retired, he simply smiled and said: "Do you really care?" Somewhat taken aback by this seemingly nonchalant reply, I had to think a minute before I was sure that I really did care, as I knew he did. But at the same time I felt that he had indirectly answered my question. For if Ted Haydon has done nothing else for track and field, he has made a lot of people care about its future in Chicago and in the United States. "Most of the athletes who compete in our program(s) keep on running." And caring. In conclusion, I can only echo forcefully Ted's sentiments expressed at his 20th anniversary banquet: "Thank you, it's been a pleasant evening. Let's just keep going and in 20 more years we can have another one." Right on. □





Mike Larrabee /Mark Shearman/

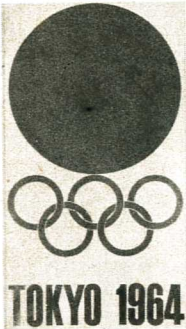
# Mike Larrabee: 64 Olympic Gold On 'One-third the Work'

by Jon Hendershott

"Dave Bedford grinds out 200-miles a week". "Gerry Lindgren wants to seriously pursue 50-miles a day". "Valeriy Borzov's training includes repeat 800-meter runs". So go the reports recently of a trend among world-class runners to more and more work in training. The more work, the better, seems to be the train of thought.

But ask Mike Larrabee, 1964 Olympic 400-meter champion and former 400 record-sharer at 44.9, to what he would attribute his all-conquering 1964 season after so many frustrating campaigns and he glibly answers, "About one-third the work." But Larrabee, now 38 and winner of two Olympic golds when just two months shy of his 31st birthday, adds that every athlete shouldn't immediately chop his training load by that amount.

"I wouldn't recommend the type of training program I did to anyone," frankly states Larrabee, a regional distributor for Coors Brewing Co. in Santa Maria, Calif. "I never really used good sense. I always ran nothing but speed and always all-out. I started during Christmas vacation and put on my spikes the very first day and ran 330s. Not four or five in 35 seconds either, but two under 33. If they weren't under 33, I did another. The 220s I did were near 21-flat and often faster. I just busted everything. I did it this way for my mental outlook I think. I usually ran alone and it was to keep the fun in running. It was idiotic to train like that, really.



## Looking Back

"In the 1963 AAU in St. Louis, I felt really ready to run, but I did only 47.2 for eighth and last in the finals. Later I flew to Toronto for a meet and Chuck Coker (then coach of Larrabee's club, the Southern California Striders) sat down next to me on the plane and said, 'Okay, tiger, you were eighth so all we have to do is beat four of those guys and you're on the team at Tokyo'. That was a good approach because I had beaten most of those guys during the year. Chuck said, 'I'm convinced you're leaving too many races on the workout track'. He wrote down a much lighter program on the back of an old envelope. The main thing was I was tearing up my Achilles tendons by training too hard so I got off the track, where I used to run exclusively, and on to the grass. Instead of 330s, 220s and 660s, I ran 120s from goal-post to goal-post, 10 of them. That was probably 60% of my training load that year, instead of that quick, hard stuff on the track that tore up my tendons.

"Was it hard to follow an easier regimen? Naw, it was easy," Larrabee laughs. "I'm such an idiot, though, even though Coker told me all this, I still would have gone right back to my old ways. I would have gotten fired up and started running well. As soon as that happened, I would want to run better, so I would work harder but instead of running better I would run worse. I would have done it, but my stomach trouble wouldn't let me. I would run one 220 and my stomach would hurt so bad I would have to quit."

Larrabee suffered a curious injury early in the spring of 1964. "Some kids at the high school where I used to teach were horsing around, giving each other judo chops and stuff like that. I raised both of my hands on top of my head, just stretching, and my stomach was completely relaxed and wide open. One of the kids saw my hands go up and he spooked; he thrust out and doubled me over. The doctor said nothing was ruptured, but a gastro-enterologist said the pancreas had been pinched and started throwing out about 10 times as much pancreatic fluid as normal. It was like having a tremendous acid stomach; the fluid backed up into my stomach and started eating away the lining because it didn't have anything to work on.

"So that forced me to hold back in training. I always figured the trouble would clear up next week and then I could pour on the work but it never did, which was good in retrospect. I started seeing the value of the lighter training because I started running well. I layed off running totally for over a month after my stomach was first hurt. Then I ran in a meet in Tennessee and did 46.9, which was really reassuring after no running whatever for over a month. The worst thing about the stomach trouble was that it was total suspense right down to the start of every meet whether I would be able to run after I warmed up. I would run maybe 25-yards and then I would know if I could run that day. It was real good at the AAU and I won there (his only win in 12 AAU appearances in his career) but it really hit me a week later at the Olympic semi-trials and I ran a labored 46.6 for sixth, the last qualifying spot for the Los Angeles Final Trials. We ran both trials and finals the same day at the semi-trials and after the final, I heard the same old thing I had heard for so long: 'Larrabee still can't handle two hard races in one day'. When I was training hard, I would train right past my peak and

run one good race and one poor one. But in 64, I knew I was ready; it was just a constant worry that a number of hard races close together would get my stomach riled up. This was a concern in Tokyo with four hard races in three days.

"After the US-USSR meet the week after the semi-trials (which Larrabee won handily by eight-tenths in 46.0 from semi-trials winner Ollan Cassell), I traveled to Europe and ran and that was the first time I really felt very confident. I ran against Ollan every two or three days and he was on the team after winning the semi-trials. With a 100-meters to go, he was many times two or three yards up on me, yet I was still beating him time and again. So I was confident that if I was within a few strides of Cassell with a 100 to go, there was no way he was going to beat me.

"Then I ran 45.4 in Oslo and that was the basis of the confidence that carried me through Los Angeles and Tokyo. That was the first time I kicked in from the 200 mark; I found I could do it and that really boosted my confidence. Both Ollan and Andrzej-Badenski of Poland led me into the stretch but I beat them both by seven-tenths so it became ingrained in my mind that I could beat Ollan by that margin no matter what.

"Also I became convinced the best way to run a 400 or 440 is with an even pace. I had always bombed the first 220; I ran 21.7 once in high school on the way to a 51.2 440. I really walked the last 220. But I found it was so much easier with an even pace.

"The Finals Trials reaffirmed this idea--but for a few seconds I was worried. I hadn't even gotten out of the first turn before, whsht, Cassell flew by faster than hell. He was one lane inside me but I just couldn't get moving--and I was really trying. Then I heard Dick Bank announce, 'Ahead are Ullis Williams and Ollan Cassell'. I thought, 'Well there are four spots on that team. I'll just stay within striking distance of Cassell'. So I relaxed right then and followed Cassell and when we came out of the turn I was able to step on it. But if I hadn't heard Bank, I wouldn't have relaxed and continued to struggle down the backstretch because everyone was moving away from me. After running 44.9 in LA I really thought I would win at Tokyo. The Olympic Games were almost anticlimactic. Actually, my greatest moment in running was that race in LA, not in Tokyo.

"When we got to Tokyo, I went back to my old training program. We had a few weeks before the Games and it was my old three days on, two days off routine. One thing, though, was that I found a grass track while most everyone else trained on cinders. I ran 330s, 220s and 110s, all as fast as I could move, up to five days before I raced and then did nothing.

"I had a fear after the racing started that either Badenski or Robbie Brightwell of Britain, whom I had raced in Europe, would learn how to run the race because I had been in Europe pretty much showing them. During the heats, I stood at track-side with my fingers crossed thinking, 'I hope they didn't wise up'. I ran in the next-to-last heat and the other favorites ran first; they all blasted the first 200 and then died in the stretch. So I breathed a sigh of relief because I was always afraid someone like Brightwell would catch on. In all the races, if there were eight runners in it, I was usually eighth at 200-meters. Coming off the last turn, I was usually between third and fifth, then my natural momentum, without kicking in, would carry me to the front.

"I thought guys like Wendell Mottley, Badenski, Brightwell and Williams were crazy to run so fast in the prelims (Mottley clocked 45.9, 45.8 and 45.9 respectively in the heats, quarter-finals and semi-finals). I thought running against Mottley would be no sweat because he sure went out nice and fast but he sure was a sittin' duck coming home. So after his times in the prelims, I thought 45.6 would beat him because he looked all-out in those races. I didn't count on him running 45.2 in the final. I was still extremely confident I wouldn't have any trouble with him.

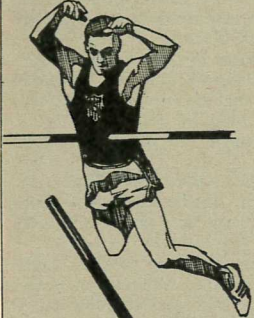
"In the final, I just didn't pay any attention to them; I let them do their own thing (Mottley and Badenski blazed past 200-meters in 21.6 with Brightwell a tenth back). At the 200, I was dead last but I was watching the track and when I passed the 200 starting line, I punched my kick in right there. I was strong enough, and probably the only one with enough confidence in myself, to be able to hold that all the way home. Everyone else relaxed a little on the bend and then tried to kick in, but where they were relaxing, I was moving and accelerating. I was third into the homestretch and I actually looked around. I saw Badenski, who was a notorious dier and I had cleaned up on him in Europe, so no problem there. There was only Mottley and I knew he wasn't going to accelerate going home. Actually I never really kicked it in; I got out in front of Mottley and just stayed there with no further effort to move out. I was surprised to run 45.1." Then, as if to refute his critics who challenged his ability to run quality races several days in a row, Larrabee ran on the US 1600-meter relay team, contributing a 44.8 effort to a victorious 3:00.5 final clocking. Thus, Mike Larrabee--the runner who couldn't run good races day after day, who folded in the big competition, who was on the wrong side of 30--twice entered his name in the records as an Olympic champion.

"Actually I felt my age was a definite advantage," he says. "I had had more experience, plus I hadn't slowed down any. I equaled my fastest 100-yards in 64 (9.7), ran my fastest 220 (21.1), 330 and quarter (46.5). I think you gain speed as you get older--but you also become more injury-prone. Even in 68, I could move it as well as always and was just as strong, but once I had an injury, I couldn't shake it. Also, I ran with a very hard back-kick which aggravated my Achilles tendons.

"Training is an individual matter, but I think an athlete can obtain just as much good from less training than he can from piling it on--provided he ups the quality. I ran well by doing quality workouts rather than quantity. I know if I had run quantity I would have quit long before I did. But the way I did it, it was a ball--at least for me. There are only three things I long for in looking back at my running: I never got to race on Tartan, I never did any preparatory work, either in summer or fall, and I never got the benefits of weight training. I still feel you get better as you get older and if you want to run a fast time, a record or otherwise, you have a much better chance if you run an even pace. I guess my career is an example of that." And then some. □




# TECHNIQUE STUDY FILMS



## 1968 Olympic Pole Vault Stars on Film

Never before offered—a superb training film, showing the form and technique of the great Olympic aces, including gold medalist and record holder, Bob Seagren, shown in two efforts, super slow motion. All action was taken on the spot in Mexico, during the 1968 Games. Film study is especially important for the pole vault, and from the run-up through the landing, every step of the way is clearly shown. See how the champions do it. And improve your own form.



Exclusively produced and distributed by Track & Field News, P.O. Box 296, Los Altos, California 94022.

BOB SEAGREN	8mm. or Super 8, \$12.95
JOHN PENNEL	16mm., \$15.95
WOLFGANG NORDWIG	
CHRIS PAPANICOLAOU	
CLAUS SCHIPROWSKI	Black and white
HERVE D'ENCAUSSE	Silent

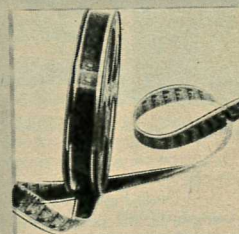
and three other 17 ft.-plus Olympians

## INDIVIDUAL EVENT FILMS

Outstanding slow-motion films for technique study. Buy one or several, depending on your needs.

**COACHES:** Excellent material for the most complex technical events. Fine recent shots of American and foreign stars. If you need sharpening on a particular event or more, these are the coaching aids you need.

**ATHLETES:** Get your own film on your event. Analyze the styles and techniques of world class performers to improve your own form/and performance.



**POPULAR  
"FILM-  
COACHING  
AIDS"**

**High Jump:** NOW INCLUDES MATZDORF'S RECORD JUMP! Matzdorf, Brown, Brumel, Caruthers, Gavrilov, Burrell, Peckham, Fosbury, Sapka.

**Pole Vault:** Seagren, Pennel, Nordwig, Railsback, Sam Caruthers, Papanicolaou, Vaughn, Isaksson, Bliznyetsov, Schiprowski, Paul Wilson.

**Long Jump:** Beamon, Boston, Ter-Ovanesyan, Davies, Beer, Robinson, Tate, Shinnick, Hopkins, McAlister.

**Triple Jump:** Saneyev, Prudencio, Walker, Schmidt, Gentile, May, Kreer, Igun, Craig, Stoikovski, Ruckborn, Kalocsai.

**Shot Put:** Matson, Steinhauer, Woods, Maggard, Gushchin, Salb, Rowe, Mills, O'Brien, Varju.

**Discus:** Oerter, Silvester, Danek, Milde, Carlsen, Babka, Vollmer, Matson, Simeon, Van Reenan.

**Hammer:** Klim, Zsivotsky, Bondarchuk, Connolly, Burke, Gage, Frenn, Lovasz.

**Javelin:** Lusi, Kinnunen, Murro, Skinner, Kulcsar, Pedersen, Covelli, Stenlund, Stuart, Sidlo.

PRICES: 16mm.—200 ft.—\$26.00 each

8mm. or Super 8—about 100 ft.—\$20.80 each

Black and white, extra-slow-motion; cartridgeing not available.

### ALSO NOW AVAILABLE:

**High Hurdles:** Davenport, Milburn, Ottoz, McCullough, Hayes, Jones, Lee Calhoun.

**Int. Hurdles:** Mann, Whitney, Vanderstock, Hemery, Glenn Davis, Collett, Potgieter.

**Sprints:** Carlos, Hines, Miller, Tommie Smith, Evans, James, Mills, Crockett, Hayes, Hary.

**Baton Passes:** RR Smith to Carlos, Evans to Tommie Smith, Greene to Pender, Simpson to Miller, RR Smith to Evans, Pharris to Deckard, Edmonson to Collett, John Smith & Rick Brown taking visual passes.

PRICES: 16mm.—100 ft.—\$13.00 each

8mm. or Super 8—about 50 ft.—\$10.40 each

Black & white, extra-slow-motion; cartridgeing available in 8mm & S8 @ \$2.00 add'l per film.

## 1968 Olympic Champions Film



Excellent compact instructional film that you can use either as a regular study film, or cut up to make individual film loops. All eight men's field event winners at Mexico Olympics shown: Beamon, Fosbury, Seagren, Saneyev, Matson, Oerter, Lusi, Zsivotsky; plus seven track gold medalists: Tommie Smith, Evans, Wolde, Keino, Biwott, Davenport, U.S. 400m. relay team. Content is about the same as our film loops. 200 feet (100 ft. for 8mm.) of just about the most valuable film you can buy. Tailor it to your own needs.

16mm., \$29.50
8mm or Super 8, \$22.50

All items on this page available from Track & Field News, P. O. Box 296, Los Altos, Calif., 94022



No, your eyes aren't playing tricks on you. It is that gentleman from down below chasing a group of runners. Rest assured the judgment day hasn't arrived, rather a bit of light-heartedness in the devil-take-the-hindmost mile in Pocatello's Ben-nion Games. In the devil mile, all runners run a certain number of laps after which the runner in last drops out. This goes on until only three entrants, the place-winners, remain. Results of this race were unavailable—as was information if the pace was red-hot. /Rich Clarkson, *Sports Illustrated*



## Last Lap



### Pro Football Draft Tags Top Trackmen

As is customary, February brought the annual pro football draft, with the resultant selection of some gridders who are also trackmen of note. And the 1971 crop of footballers/trackmen is a large one, with a distinct emphasis on speed, as sprinters and hurdlers were prime choices. Draftees who made the US lists at some time: Jack Phillips (Gramb) 9.2; Cliff Branch (Colo) 9.2/20.6; Herb Washington (Mich St) 9.3; Jimmie Lee Harris (Ohio St) 9.4/20.8; Willie Buchanon (S Diego St) 9.4w; Larry Brunson (Colo) 9.5; Mel Caraway (NEn Okla) 9.5; Phil Price (Id St) 9.5; Jim Kirby (L Beach St) 9.5; Terry Beasley (Auburn) 6.11; Paul Gibson (El Paso) 13.4/9.4/21.0; Ralph Wirtz (N Dak St) 14.0w/24-11i; Eric Allen (Mich St) 50-5½; Greg Johnson (Wisc) 25-2½i; Fred DeBernardi (El Paso) 66-9¾i/201-8; Karl Salb (Kans) 67-5½i/190-3; John Van Reenen (Wash St) 65-0/208-10; Mike Williams (Ore) 59-10½; Steve Furness (RI) 201-5 HT.

Additionally, there are those who never starred at the collegiate level in track, but were prep standouts: Jack Mildren (Cooper, Abilene, Tex--Okla) 38.1 330IH; Riley Odoms (West Oso, Corpus Christi, Tex--Houston) 6-9; Bill McClard (Norman, Okla--Ark) 61-6; Kelvin Korver (Irving, Tex --NEn Ia) 197-3; Dennis Cambal (Phillips Ac, Andover, Mass--Wm&M) 202-4 HT; Willie Hall (Pulaski, New Britain, Conn--Sn Cal) 224-10 JT.

### Vollmer Offers Opinion on Discusmen

T&FN asked Tim Vollmer, 1971 AAU discus champ, to make his observations known about the leading discus throwers.

Jay Silvester: "I think he's the most fabulous thrower in the world.

### How Does Vaatainen Rank for Munich?

Certainly one of the most startling figures of the 1971 track campaign was Juha Vaatainen, who shockingly stole the European Championship 10,000 and 5000 races with a strategy and a kick that left all-comers defenseless. His success was so sudden and so striking at the same time that his future, especially in light of the upcoming Olympics, is a matter of considerable conjecture. The following analysis comes from Hakan Nordqvist, a Finnish compatriot who has attempted to objectify Vaatainen's situation.

Up until the eve of the European Championships in Helsinki in August 1971, Juha Vaatainen's image was not exactly that of a champion. It was quite something else, and some might even have been talking of the strange "Don Quixote-type" of a runner who was claiming that a European Championship was to be his in 1971 but who had only one really good 10,000 race speaking for himself (28:19.6 against the French in 1970) and a faintly promising international class debut over the same distance in 1969 (28:53.0). And, yes, he had an impressive win over 5000-meters against Dick Taylor of Britain in 1970.

But he was certainly no European Champion apparent, having lost a good many races--often due to stomach trouble--and spectators were becoming rather scornful against the Vaatainen in trouble. It was also apparent that certain characteristics of a star--an unpredictable mood, a bohemian style of life, and a quick and smooth tongue--were amusing and colorful only on a star. The road to stardom was long in his year of victory. Juha did not have a qualifying time for the Championships as late as the Finnish Championships. The track public mumbled, "There's no way that anybody can talk his way onto the team." The fans' picture of the man up until then? Colorful? Yes, but that in itself is no art. Great potential? Yes, but what good does it do if you don't capitalize on it. The Finnish Championships provided the countdown for the critics: a Finnish record in the 10,000, a superior vic-

He has tremendous explosion across the ring. He's the best I've seen. I'll admit he has had a few bad meets, but for consistency in throwing the farthest in all kinds of conditions, he's the best. I've tried to pattern my technique after his."

Al Oerter: "A great competitor, obviously, but I don't think he really reached his potential because of his limited competitions. I've heard stories that he had great practice throws before the 68 Games and I believe them--especially at 285-lbs. He earned his nickname, 'Locomotive Arm'."

Dick Drescher: "He'll be tough to beat. The guy is another Oerter --the way they warm up, walk into the ring, throw the disc up, throw the arms back, the start across, the arm drag underneath. It's unbelievable how alike they are."

Mike Hoffman (who improved 24-feet to 216-0 behind Tim at Antelope Valley): "He'll be a good thrower. He's got potential and I think he'll be training with Mike Louisiana and Jay at BYU this winter."

John Powell: "Every time I see him, I think of a roadrunner. He's so fast across the ring. He has a lean as he starts his turn and doesn't really work for turn and drive. Greased lightning. Also, I love his suspenders."

Asked to name a promising young thrower, Vollmer didn't hesitate: "That up-and-coming Fred DeBernardi. He could have some of the same problems I had three or four years ago. It's hard to be consistent when you're young, but he's dangerous as hell."

Among the foreigners he has seen (Ricky Bruch has yet to cross his path): "I'm very, very impressed with Klaus-Peter Hennig of West Germany. He's about 6-6 and 258, and close to as fast as Silvester."

Ludvik Danek: "He's still the old stand-by. Hennig told me that the ring at the European Championships was slipperier than ice, but Danek was great. He doesn't really drive off the right leg at the end, just kind of coasts off of it, but he really drives across the ring into position with his arm high. He's like a hammer thrower, accelerating from high to low, and he's so loose he can really reach back with it."

John Van Reenen: "He beat me out of all the championships when we

tory and a superior time--and it was raining terribly. Vaatainen claimed the rain cost him 30 seconds, and the fans calculated a clocking close to Ron Clarke's world record. So, he was qualified. But could one count on him in Helsinki? Personally, I had two feelings. Either he would have a very good chance to win or he would drop out completely. It was equally clear, however, despite the two good Finns, Seppo Tuominen and Lasse Viren, also in the race, the only one in this country capable of winning was Juha.

The Championships then provided the knock-out. The man became a star. The fact that he won the 5000 was somehow immaterial after the 10-kilo. It was inevitable for a track nut who saw the races. That kind of Vaatainen you just don't beat.

But, then, Munich and all the afterthought.

• Can he win at Munich? Maybe, but as before he may also drop out early. If he is in the shape he wants to be in, he is hard to beat.

• Why did he do so well at Helsinki? The obvious answer is intelligence, great talent and an immense amount of hard, dedicated work up to the point of a psychological buildup out of this world.

• Is this a new breakthrough for Finnish distance running? Hardly. There is still only one winner-type around. And there is a host of good class runners to pace him or anyone else but no winner is in sight.

• Vaatainen today? Himself: training ever so hard, wishing for good health and optimum training facilities. But not quite as hungry as a year ago, not nearly as desperate to prove himself. Others? Expecting him to be the man of 1971 in 1972 also. Maybe even more.

The basis for all these speculations is of course that of a fan who thinks he knows the sport but who realizes that he does not see the future with the eyes of the champion and tends to be so impressed by the 10,000-meter race in August that he cannot imagine anything surpassing it for some time. The color, the excitement, the feeling of ultimate destiny over a jammed stadium in August 1971 probe for the epitaph: once in a lifetime. This is a feeling and much imagination--but so is the running of a champion. □





Only one runner remains standing after a collision in a high school relay at Pocatello's Bennon Games. First to fall was the runner second from left and three more soon followed. Only the runner on the left got through still upright. The leader was well ahead—and probably a good thing. /Rich Clarkson for *Sports Illustrated*/

were in college. I threw 203-10 against him in 1970, and he went about 208. On his last throw he fouled by maybe half an inch. He hit a foot up on a fence at 225 feet! He has got more potential than almost anyone. I've seen him throw 195-feet from a stand so many times it's pitiful. If he can slow down his start, get into position, and speed up at the end, he can learn to stay in the ring. Then, watch out!" /Bob Lord/

## All-Time US Walkers' Non-Walk Event Bests

Ohio Race Walker editor Jack Mortland offers a statistical compilation in the December edition which may help to dissuade certain fans from the notion that walkers are generally non-athletes. The following list represents an all-time compilation by US race walkers in bona fide competitions but not necessarily before concentration on walking set in.

100y	9.9	John Dick	36	Mar	2:20:52	Floyd Godwin	68
100m	10.9	John Dick	36	120yHH	15.7	Bruce MacDonald	
220y	22.8	Jack Mortland	55	440yIH	56.0	Jack Mortland	57
440y	49.5	Jack Mortland	56	HJ	6-0	Terry Anderson	55
880y	1:53.8	Dick Ortiz	59	PV	11-6	Bill Hohenstreet	65
Mile	4:14.0	Butch Hammer	63	LJ	21-11 $\frac{1}{4}$	John Dick	41
2Mile	9:13.0	Butch Hammer	63	TJ	48-3 $\frac{1}{4}$	John Dick	45
3Mile	14:42.6	Jerry Bocci		SP	43-6	John Dick	37
6Mile	30:23.0	Floyd Godwin		DT	160-0	Bill Ranney	
3000mSt	9:24.8	Floyd Godwin		Dec	6007	Dave Eidahl	68

## What Ever Happened to... ✕

Dr. Fred M. Hansen is now a dentist in Houston, Tex. In 1964, the world's leading vaulter was Fred Hansen of Rice. Exceeding the listed world mark three times that year, Hansen finally scaled 17-4 and took the Olympic gold at Tokyo... The IC4A 880 champ in 1943 was Joe Nowicki of Fordham, who also anchored many of his school's fine relay teams of the era. He is now a lawyer in Pearl River, N. Y., and serves on the staff of Governor Rockefeller... Claude "Buddy" Young is in charge of player relations in the NFL Commissioner's office. Young was a star running back both at Illinois and in the pro ranks. A powerfully compact sprinter, Young took the AAU 100 title and the NCAA 100 and 220 in 1944... Ex-Yale standout Keith Brown is the owner of a cattle ranch in Tucson, Ariz., and Chairman of the Board of American Atomics Corporation. In 1934 he vaulted an indoor best of 14-4 and in 1935 raised the outdoor world record to 14-5. /Wally Donovan/

## From Box 296 ✕

We at T&FN are continually perusing and scrutinizing our primary product, this magazine, looking for ways to improve it, to report additional information and in general to give readers the most complete picture possible of men's track and field in the US and abroad.

With the Olympic year already in full gear, we wanted to take a moment to inform you of some of our latest changes--innovations which have already been incorporated into T&FN and which we believe will help make our coverage more complete and interesting.

One of the major changes is that we have eliminated coverage of women's competition. After a little more than a year of on-again, off-again

coverage and little support or assistance from readers, coaches, fans or athletes, we came to the conclusion that to adequately cover the world of women's track would take a sizable work force in addition to our present staff, which has its hands plenty full just keeping up with the men. So we return to covering solely men's track and field, on all levels, both foreign and domestic.

On the subject of different levels of men's coverage, we expect to provide much more specific coverage of the areas of walking, long distance running, seniors and juniors. Some have been stronger than others, but with the securing of regular editors for each section, coverage in all the areas will come on a regular and in-depth basis.

Changes instituted in our regular reports (European, Prep, etc.) include the integration of lists with reports. We feel this will aid greatly in relating material--clarifying why a mark is particularly significant or why an athlete merits special mention. We hope this will increase interest in non-US news, as readers will be able to link names in a world list with happenings in specific events much more easily. Events will be listed individually (such as 100-meters, Triple Jump, Javelin Throw) rather than under general headings (Sprints, Jumps, Throws) to also aid reader orientation.

As already presented in the I February issue, Prep Reports will now conform to those of the US, that is, presenting the prep list along with commentary about high school happenings. This will again group related information and eliminate running a report in one issue and the list in another.

Report schedules have also been revamped. Major US reports will appear in the second issue each month, while those of such areas as High School and Europe will run in the first issue each month.

Readers have already gotten a taste of our pre-Olympic coverage through which we hope to keep readers abreast of a variety of developments leading up to the Munich Games. This will include reports of changes in status of leading Olympic hopefuls around the world, whether by injury, illness or indifference, and other tidbits revealing training progress, how an athlete views the competition and his own chances. All this will fall under Olympic Status Quo. Periodically, we will edge out onto the proverbial limb and come up with leading contenders, both for the US Olympic team and for places at Munich, as well as predictions of finishes. Olympic News will present general-interest news pertaining to the Games. Various features will spotlight Olympic news-makers of past Games, as well as those who may very likely make the headlines at Munich.

The Annual Edition featured a couple of innovations in our lists. The major one was the inclusion of metric conversions for English distances in the field events. A slighter change was the elimination of feet and inch signs for field measurements; a simple dash now suffices (17-4 rather than 17'4").

Speaking of the Annual Edition, we take considerable pride in it since it is our largest single issue ever at 72-pages (four more than previously), contained the largest number of pages of advertising and featured the largest number of photos, 104, ever published in one issue of T&FN.

## To Box 296 ✕

### ALAN SHAPIRO, Rochester, New York:

The January Annual is always the best issue, although the statistics--not the stories, deserve the small print. Good it is, one page truly shined. How refined, how lyrical the four European vaulters are, their photographers, and the tradition of humanity that produced them.

### PATRICK E. BECKER, Portland, Oregon:

I only take a year's subscription to T&FN at a time because every year the quality of the publication slips, and one day I will just not bother to renew. I feel you will never compete with *Sports Illustrated* on the news stand, so forget it and get back to giving us the facts not the fancy.

### DICK CORISH, Croydon, Australia:

Recent articles in your magazine suggesting that amateurism is on the way out possibly represent the views of some larger nations to whom winning is a matter of national prestige. From all accounts, a kind of semi-professionalism has flourished in those countries for many years. However, genuine amateurism is definitely alive in the majority of countries competing in the Olympic Games. May I quote Australia as an example? No athlete receives any financial help whatsoever. There is no such thing as athletic scholarships, as admission to all universities is by public examination. Australia's top athlete would have no chance of entering a university by virtue of his athletic achievements. Similarly, athletic ability gets no one a job in government service. Every track athlete belongs to a club. All pay an annual membership fee and buy their own outfits. They also pay admission fees at the turnstiles--champions and all--except to a few special invitation meetings. If they are selected to represent the state or compete in the national championships, they usually receive some financial help for travel and accommodation but mostly have to find a good proportion of expenses themselves. There are no paid medical officers, no paid officials. All who wish to run are catered for, irrespective of age or ability. If there is no money or equivalent incentive, what replaces it and provides top athletes? In my opinion, it is that they compete in track athletics because they like it. They make sacrifices of time and money because they think it is worthwhile--a form of self-expression. No one cracks a whip over them: they are not worried they might lose a job or a scholarship if they do not train hard. If they don't like a coach or his methods, they transfer to another.

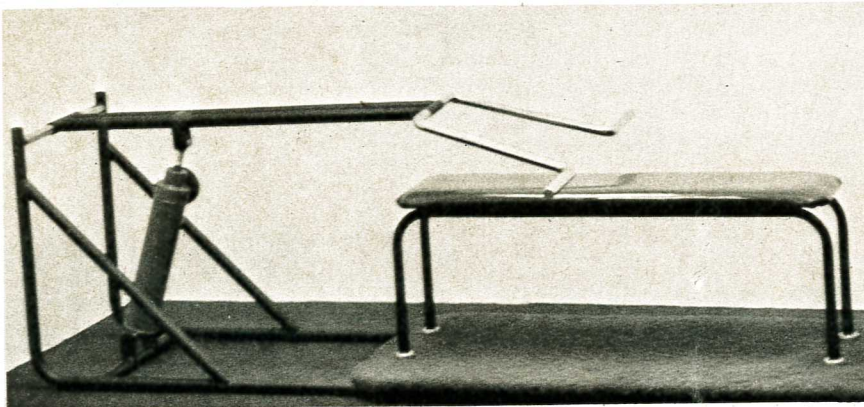
### HAROLD BROSSMAN, JR., Temple, Pennsylvania:

I would like to comment on Bert Nelson's suggestion that the age for masters' competition be lowered to 25. The 25-year-old athlete does not have to vegetate until he reaches 40; there are plenty of open meets around the country that he can enter. On the other hand, there are few old timers (40 and up) who can successfully compete against a 25-year-old; why deprive the old-timer of the one meet in which he can compete on equal terms with other old-timers. If the age for masters competition is lowered as suggested, many old-timers will just not bother to compete at all. (Editor: Not if competition continues to be divided into age groups.) □



# NEW from MEDIMETRICS

SPECIALISTS IN ATHLETIC AND  
BIO-MEDICAL INSTRUMENTATION



## The new ISONETIC EXERCISER

REVOLUTIONARY  
HYDRAULIC OPERATION

ISOKINETIC RESISTANCE aids in developing maximum fitness for athletics. The exclusive new ISONETIC EXERCISER is effective in peripheral heart action training, body building and reducing, and athletic power training. Recommended for school or home use.

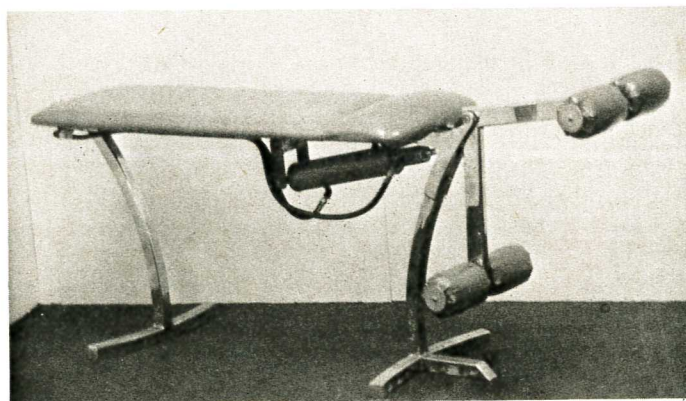
**SPECIAL FEATURES:** Resistance from approximately 30 lbs. to an immovable resistance \* No spotting or dangerous return resistance \* Self-supporting frame, lightweight, easy to store \* Superb quality and engineering \* Quiet and time saving — easy control knob \* Complete range of motion with smooth movement \* Works every major muscle group \* Complete with wall exercise chart \* Revolving grooved handles \* 5'10" long, 28" wide, approx. 80 lbs. **\$349.00**



## The "REP TIMER"

Extremely handy tool for the coach. Set the "REP TIMER" for desired time interval and a loud beeper signals completion of timed interval. Complete recycling, available in seconds or minutes. Easy to operate, fits comfortably into the palm of your hand.

**\$39.95**



## THIGH AND KNEE EXERCISER

A specialized isokinetic exerciser designed for thigh and knee development. Lightweight, easy control knob, adjust (lifting arm) for desired flexion and extension. Safe hydraulic operation. **\$349.00**

ED BURKE, U.S. hammer record holder, participated in the development of these exercisers and instruments, keeping the needs of trackmen and other athletes specifically in mind. TRACK & FIELD NEWS is pleased to be able to bring these excellent, top-quality training and coaching aids to the attention of the track public.



## PULSE PACER

Stationary unit for athletic and overall conditioning monitors pulse with high and low settings. Coaches can measure their athletes' pulse rates conveniently and plan workouts accordingly, training athletes to peak condition efficiently without overtraining. Photo-electric sensor picks up pulse rate from finger or wrist, allowing the user to exercise or perform while pulse is being monitored. Pulse rate per minute is shown on a scale with 99+% accuracy. **\$149.00**

ALL PRICES F.O.B. NEWPORT BEACH, CALIFORNIA

ALL AVAILABLE FROM

# Track & Field News

P.O. BOX 296  
LOS ALTOS, CALIFORNIA 94022

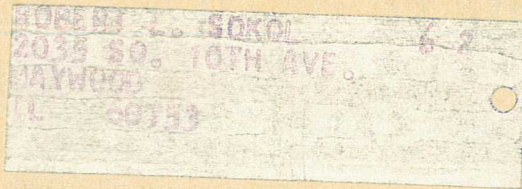




11 February 1972

TRACK & FIELD NEWS  
P.O. BOX 296  
LOS ALTOS, CALIFORNIA 94022 U.S.A.

Return Postage Guaranteed



# Newspaper

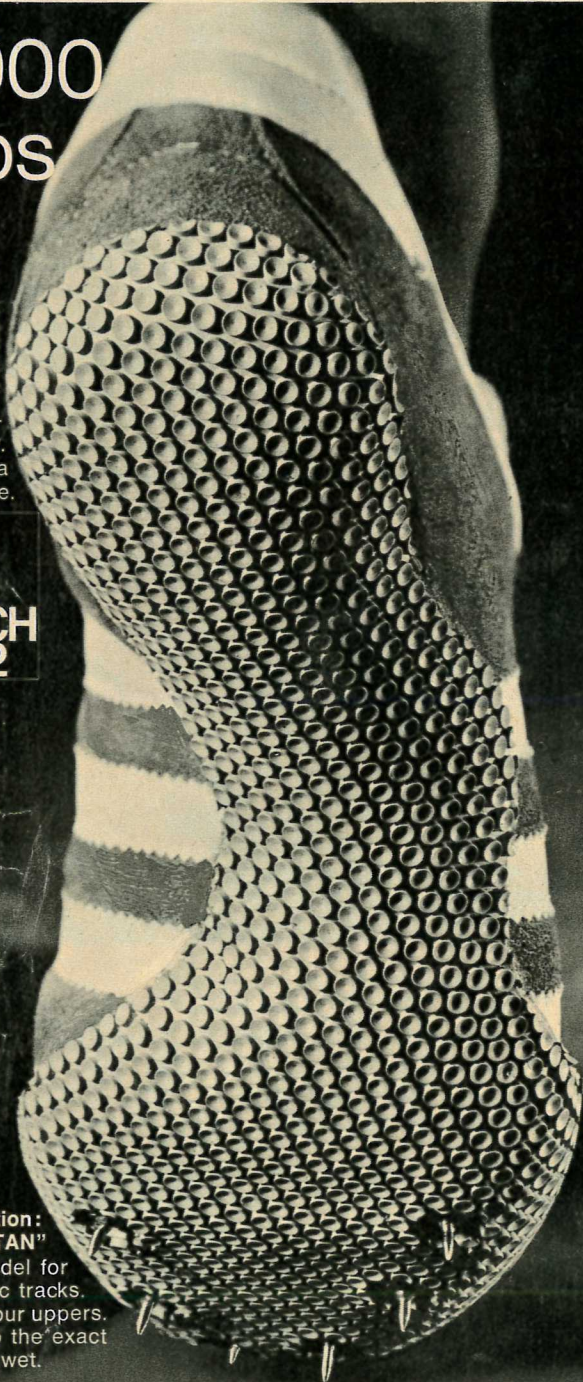
## "More than 2,000 suction cups on every pair of TITAN'S"

Each tiny suction cup on this fantastic new sole gives the runner firm footing on synthetic tracks — wet or dry. In Munich 1972 this will be a must for a top performance.



### General Description: "TITAN"

An ultra light special model for synthetic tracks. Made with first class kangaroo velour uppers. Newly developed suction sole conforms to the exact conditions of the track even when wet.



# adidas®

**Libco**  
78 Diamond Road  
Springfield, N. J. 07081  
(201) 379-1630

**Clossco, Inc.**  
365 Reed Street,  
P. O. Box 299  
Santa Clara, Calif. 95050  
(408) 246-8350

**Hughesco, Inc.**  
5602 Dyer Street  
Dallas, Texas 75206  
(214) 363-7404

**Van Dervoort's**  
1515 N. Grand River Ave.  
P. O. Box 89  
Lansing, Michigan 48901  
(517) 485-9415

**adidas-Canada, Ltd.**  
550 Oakdale Road  
Downsview 479  
Toronto  
(416) 742-3872-6