

**THE TRACK AND FIELD CHAMPIONSHIP MEETING OF 1931**

The 55th Track and Field Championship Meeting was held on Franklin Field, Philadelphia, on May 29 and 30. It was a superlatively fine meet from every point of view except that of some of the spectators in the stands. It was hot—unusually hot for May, but the heat and the absence of wind was ideal for the athletes and the breaking of records. The largest and most enthusiastic crowd of spectators ever to attend the meet in Philadelphia was present.

The meet had been generally conceded to Southern California and they won but the battle waged by Stanford was so close that only the breaks of the game defeated them, notably the injury to Dyer eliminating him from competition. Three of Southern California's superb athletes who broke Intercollegiate records outdid themselves—jumped, ran and vaulted better than they had ever done before—but this is the test of a great athlete and the reason why a team wins. Southern California amassed 46-6/7 points to Stanford's 44-22/35. Pennsylvania, the highest of the Eastern colleges, had 21 with Cornell a close fourth with 19-2/5. Harvard followed with 15-3/7 and Yale with 13-22/35. Twenty-three colleges scored points. The time, height or distance of every event was of championship caliber but the outstanding feature was the breaking of four records and the equaling of two more.

The first record to go was the javelin by Kenneth M. Churchill, of California, who erased his record of 212 feet 5 inches by a tremendous throw of 220 feet 11¼ inches which was the farthest that he had ever thrown in actual competition.

The 100 yard record was beaten twice by Frank C. Wykoff, of Southern California, with a 9.6 second performance, first in the semi-finals on Friday and again in the finals on Saturday. Wykoff is the holder of the present American record of 9.4 seconds. The presence of Eddie Tolan, of Michigan, whom he beat by a foot and who is the world's

record holder of 9.5 seconds, not only made the race a great feature but undoubtedly added a stimulus to the running.

The close finishes of the 100 yards and Tolan's easy win in the 220 brings again to the fore the question of the desirability of changing the I. C. A. A. A. and other American and English programs to the Olympic distances of meters instead of yards. This is especially true in the light of the possibility of the 100 yard champion not necessarily being the superior of another at the longer 100 meter distance.

Victor Williams, of Southern California, in a tremendous fighting sprint in which he beat Ben Eastman, of Stanford, by 2 yards, equalled the long standing record of Ted Meredith of 47-2/5 seconds for the quarter.

Richard A. Barber, of Southern California, created the next record with a leap of 25 feet 3½ inches. Barber's best jump in the Intercollegiates last year was 24 feet 1 inch to take seventh place. The breaking of this record was the more sensational since Barber was behind Lemoine Boyle, of Pennsylvania, until his very last jump. Boyle had on Friday on his last jump broken the record of 25 feet 7/8 inch by clearing 25 feet 1-1/8 inches.

Ernest A. Payne in next to the last track event equalled the oldest record on the books—that of the late Alvin C. Kraenzlein in the low hurdles of 23-3/5 seconds. Since Payne had twice during the season equalled this record it did not come with the same sensational surprise.

The last event to finish, the pole vault, held every person in the vast crowd to the very finish. William N. Graber, of Southern California, after breaking the Intercollegiate record at 14 feet ½ inch had three tries at the world's record in an attempt to vault 14 feet 2 inches. His attempt failed but the crowd was with him until the last moment. Graber had never before approximated this height and at the beginning of the season his best was 12 feet 6 inches.

Throughout both days the air was almost completely still. During the time in which the events were being run which resulted in records none of the three sensitive anemometers placed at strategic points in the course of each race and which registered a small fraction of a mile per hour showed as much as a one mile breeze. During both of Wykoff's 9.6 seconds performances there was no discernible movement of the indicator whatever. The strongest breeze recorded in the stadium during a race was three miles per hour. At the same time a fair breeze was blowing straight over the top of the stadium.

The number of heats in the hurdles became for the first time an acute problem. The entries in both high and low hurdles necessitated many additional heats. The rules provide that no second man in trial heats shall be denied his chance to go further. It has always been the policy of the Association to give third men an equal chance if possible. Because of the fact that there are but five flights of hurdles it was necessary to run first and second semi-finals and this being so the presence of third men made no difference. The first and second semi-finals and the make up of the same were agreed to at the conference between the Referee and the coaches before the meet. The competitors had to run four times and one of the point winners five times. This was not only a terrific ordeal but it delayed the meet on Friday almost an hour.

The Association has always been eager to facilitate the introduction of devices that would go toward the improvement of the technique of handling track events. This year the contribution to the sport was the timing camera, a truly remarkable device invented by Mr. Gustavus T. Kirby, which records on a slow motion film a picture of a timing watch with a starting signal and a picture of the watch and the men finishing a race. It is described more fully in a special article in this bulletin.

The Association has had made three anemometers invented by Mr. James A.

Taylor, and built by Henry Greene, the instrument maker. They were used during each event but the almost dead calm gave little to test. An experimental machine was used last year.

The Association has made a real contribution to the art of hurdling in its interest and activity in developing a new type of hurdle which would eliminate the factor of the rise in the hurdle when it is turned upward on the end of the base. This rise in the old type of hurdle amounted to  $2\frac{1}{2}$  inches and was a serious element of danger to a hurdler. Mr. Harry Hillman and Professor Austin, of Dartmouth, conducted an elaborate series of tests with a hurdle whose upright part was moved to the end of the base. As a result of their studies they evolved a hurdle which eliminated completely the rise of the upright in being tipped. It was found that the old hurdle required a force of 8 pounds to tip it over and the new hurdle was based on the same principle. The Association at its Convention in March amended its rules to permit the new type of hurdle, thereby being the first organization to inaugurate the change.

An entire set of hurdles of the Hillman type made of metal were used for the high hurdles and another type made of wood by Spalding's were used for the low. As far as could be found, both types gave satisfaction. With both the Hillman type and the Spalding type as well as another type designed by Mr. Stegeman and manufactured by the Bilt-Rite Company of Atlanta, Ga., the principal element of novelty is in the device for raising and lowering the same for different height hurdles. Mr. Gustavus T. Kirby invented and had on view a type of hurdle with a movable fulcrum in the front which eliminated the necessity for having counter-balancing weights for each height. All of these hurdles are a vast improvement over the old type but experimentation has not proceeded sufficiently far to warrant definite conclusions on the most desirable type or make.

The battle for next year and probably for the permanent possession of the championship cup will be historic. Southern California loses by graduation Williams and Payne or 10 points. Stanford loses Nisbet and West or 5-3/7 points. Southern California's sophomores won 7-3/10 points while Stanford's won 17 points. It is a little early to talk but all the elements of a grand fight are present.

**The Record of Individuals Entered, Actually Competing and Starts Made Is as Follows:**

College	Entries	Starters	Starts
Amherst	1	—	—
Bates	3	1	1
Boston	19	1	1
Bowdoin	10	3	4
Brown	8	3	4
California	10	4	4

College	Entries	Starters	Starts
Colby	11	4	6
C. C. N. Y.	4	4	5
Colgate	8	6	9
Columbia	20	7	10
Cornell	46	14	17
Dartmouth	53	13	17
Fordham	2	2	3
Georgetown	6	5	5
Harvard	60	14	15
Haverford	2	—	—
Holy Cross	12	1	1
Lafayette	4	1	1
Lehigh	1	1	1
Manhattan	15	6	6
M. I. T.	11	1	1
Michigan	1	1	2
Michigan State	14	5	7
N. Y. U.	44	18	22
Penn State	21	9	10
Pennsylvania	41	30	38
Pittsburgh	9	1	1
Princeton	54	18	23
Rutgers	4	1	1
Southern California	37	21	22
Stanford	36	16	25
Syracuse	16	6	10
Swarthmore	10	2	2
Union	9	2	3
William and Mary	7	4	4
Williams	10	1	2
Yale	51	21	26
<b>Total</b>	<b>670</b>	<b>247</b>	<b>310</b>

**POINT SCORE—TRACK AND FIELD CHAMPIONSHIP MEETING, MAY 29 AND 30, 1931**

College	100 Yard Dash	220 Yard Dash	440 Yard Dash	880 Yard Run	One Mile Run	Two Mile Run	120 Yard Hurdles	220 Yard Hurdles	Shot Put	High Jump	Broad Jump	Javelin	Pole Vault	Discus	Hammer Throw	Total
Southern California	5	—	8	—	—	—	3	6	5	4 6/7	5	1	5	4	—	46 6/7
Stanford	2	4	4	5	—	—	—	3	9	3/7	5	2	1 1/5	9	—	44 22/35
Pennsylvania	—	—	2	—	4	—	—	—	1	—	4	4	4	—	2	21
Cornell	—	3	—	—	3	4	4	—	—	—	—	—	2 2/5	—	3	19 2/5
Harvard	—	—	—	1	5	—	5	4	—	3/7	—	—	—	—	—	15 3/7
Yale	—	—	—	—	—	—	3	2	—	3/7	—	—	1 1/5	2	5	13 22/35
Michigan	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—	9
California	—	—	—	—	—	—	—	—	—	—	—	5	1 1/5	—	—	6 1/5
Brown	—	2	—	4	—	—	—	—	—	—	—	—	—	—	—	6
Georgetown	3	—	—	3	—	—	—	—	—	—	—	—	—	—	—	6
Columbia	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—	5
Fordham	—	—	—	—	—	5	—	—	—	—	—	—	—	—	—	5
Dartmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5
Bowdoin	—	—	—	—	—	—	—	—	—	3 3/7	—	—	—	—	1	4 3/7
Penn State	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4
William and Mary	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	4
Princeton	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	4
Boston College	—	1	—	1	—	—	—	—	—	3/7	—	—	—	—	—	3
C. C. N. Y.	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	2 3/7
Michigan State	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	2
Colgate	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	2
Syracuse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Williams	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1

## 100 YARD DASH

The 100 yard dash was the premier event of the meet. The presence of Eddie Tolan of Michigan, the accepted world's record holder of 9.5, and with Frank C. Wykoff, winner of the previous year, whose American record of 9.4 is pending before the International Record Committee, caused everyone in the audience to wait tensely for a startling performance. Wykoff in the first semi-final did 9.6 seconds, breaking the Intercollegiate record and wiping off the books a long list of old champions, LeConey of Lafayette, Russell of Cornell, and himself at 9.7, and Wefers of Georgetown, Craig of Michigan, Patterson and Lever of Pennsylvania, and Borah of Southern California at 9-4/5. The fifth place in this heat was about six feet behind or about 9-4/5 seconds. Tolan, the winner of the second semi-final, won in 9-4/5 which formerly would have placed him among the record holders. The final of the 100 was tremendously exciting. Wykoff was first out of his holes and was leading by a yard at the ten yard mark. From there on Tolan steadily decreased the distance until they burst the tape with Wykoff a scant foot in the lead. One of the watches showed 9.5 and another a shade under 6/10ths. The other three watches were squarely 9.6. During the entire race there was almost a dead calm with not enough movement of air to actuate the three extremely sensitive anemometers along the course which clearly show a wind of less than a quarter of a mile an hour. During the semi-finals and final there were eight men whose performances were at least 9-4/5 seconds. Aloysius T. Kelly of Georgetown was 2½ yards behind Wykoff in the final with Leslie I. Hables of Stanford less than 2 feet back and Calvin W. Miller, III, of Williams 2 feet behind him with a performance of about 9.9 seconds. Not only the two *outstanding performers* but the whole field was of exceptionally high caliber.

## Final

Won by Frank C. Wykoff, Southern California, '32.

Second, T. Edward Tolan, Jr., Michigan, '31, by 1 ft.

Third, Aloysius T. Kelly, Georgetown, '33, by 2½ yds.

Fourth, Leslie I. Hables, Stanford, '33, by 9 ft.

Fifth, Calvin W. Miller, III, Williams, '33, by 11 ft.

Time: 9.6 seconds (Intercollegiate Record).

Also competed: Walter M. Boyd, Yale, '33 by 9½ ft.

## Preliminary Heats

Heat 1—Won by Frank C. Wykoff, Southern California, '32; second, Calvin W. Miller, III, Williams, '33, by 6 ft.; third, Walter M. Boyd, Yale, '33, by 6¼ ft.; fourth, Richard L. Lacey, Colgate, '32, by 6½ ft.; Arthur D. Keown, Princeton, '32, by 7 ft. Time: 10 seconds.

Heat 2—Won by T. Edward Tolan, Jr., Michigan, '31; second, Leslie I. Hables, Stanford, '33, by 9 ft.; third, Isadore Fogel, N. Y. U., '32, by 12 ft.; fourth, Mathew W. Mautner, Pennsylvania, '32, by 4½ yds.; fifth, Frank L. Thomson, Princeton, '31, by 15 ft. Time: 9.9 seconds.

Heat 3—Won by Aloysius T. Kelly, Georgetown, '33; second, William L. Scott, William and Mary, '31, by 2½ yds.; third, Carl H. Meinig, Cornell, '31, by 3 yds.; fourth, J. Edward Walker, Swarthmore, '33, by 4 yds.; fifth, Harris Sachs, Pennsylvania, '31, by 4½ yds. Time: 10 seconds.

Heat 4—Won by Milton M. Maurer, Southern California, '31; second, Bernard J. Krosney, N. Y. U., '33, by 1½ ft.; third, George N. Stevens, Dartmouth, '31, by 2 ft.; fourth, Elias M. Lamb, Lehigh, '31, by 5 ft.; fifth, Ben H. Hand, Princeton, '32, by 7 ft. Time: 10 seconds.

## Semi-Finals

Heat 1—Won by Frank C. Wykoff, Southern California, '32; second, Aloysius T. Kelly, Georgetown, '33, by 1½ yds.; third, Leslie I. Hables, Stanford, '33, by 8 ft.; fourth, George N. Stevens,

Dartmouth, '31, by 13 ft.; fifth, Isadore Fogel, N. Y. U., '32, by 14 ft.; sixth, Carl H. Meinig, Cornell, '31, by 7 ft. Time: 9.6 seconds.

**Heat 2**—Won by T. Edward Tolan, Jr., Michigan, '31; second, Calvin W. Miller, III, Williams, '33, by 3 yds.; third, Walter M. Boyd, Yale, '33, by 10 ft.; fourth, Milton M. Maurer, Southern California, '31, by 11 ft.; fifth, William L. Scott, William and Mary, '31, by 11½ ft.; sixth, Bernard K. Krosney, N. Y. U., '33, by 4 yds. Time: 9.8 seconds.

### 220 YARD DASH

The 220 yard dash had promised the same sort of sensational contest as the 100 but with the withdrawal of Wykoff and the injury to Dyer of Stanford the victory of Eddie Tolan of Michigan was conceded. The time of 21.1 had been equalled once by Kent of Colgate in 1929 and surpassed by Charles E. Borah of Southern California in 1927. Tolan led over the entire course and won without being hard pressed by 2½ yards from Leslie Hables of Stanford. Carl H. Meinig of Cornell was but 8 feet behind Tolan with George Troy of Brown only inches behind. Arthur D. Keown of Princeton in fifth place was almost neck and neck with Troy. The time of the fifth man was not slower than 21.4 seconds. With the exception of the winner it was an extremely close race and difficult to judge. Two of the semi-final heats were won in 21.7 and the third in 22.4.

### Final

Won by T. Edward Tolan, Jr., Michigan, '31.

Second, Leslie I. Hables, Stanford, '33, by 2½ yds.

Third, Carl H. Meinig, Cornell, '31, by 8 ft.

Fourth, George F. Troy, Jr., Brown, '31, by 8½ ft.

Fifth, Arthur D. Keown, Princeton, '32, by 8¾ ft.

Time: 21.1 seconds.

Also competed: Calvin W. Miller, III, Williams, '33, by 9 ft.

### Preliminary Heats

**Heat 1**—Won by Theodore W. Graham, Syracuse, '31; second, Robert M. Ingham, Jr., Yale, '31, by 1 yd.; third, Charles A. Carlin, Georgetown, '32, by 1½ yds.; fourth, Mathew W. Mautner, Pennsylvania, '32, by 2 yds.; fifth, Hector M. Dyer, Stanford, '31, by 2½ yds.; sixth, George N. Stevens, Dartmouth, '31, by 3½ yds. Time: 22.4 seconds.

**Heat 2**—Won by T. Edward Tolan, Jr., Michigan, '31; second, Monroe Sheinberg, C. C. N. Y., '31, by 2 ft.; third, Spencer J. Sparks, California, '31, by 1 yd.; fourth, John A. McCague, Union, '32, by 1½ yds.; fifth, William L. Musser, Lafayette, '31. Time: 22.5 seconds.

**Heat 3**—Won by Bernard J. Krosney, N. Y. U., '33; second, Walter M. Boyd, Yale, '33, by 6 in.; third, Roy M. Delby, Southern California, '32, by 1 ft.; fourth, Howard M. Jones, Pennsylvania, '33, by 1½ ft.; fifth, Hasket Derby, Princeton, '32, by 2 ft. Time: 22.1 seconds.

**Heat 4**—Won by George F. Troy, Jr., Brown, '31; second, Richard L. Lacey, Colgate, '32, by 2 yds.; third, Carl H. Meinig, Cornell, '31, by 4 yds.; fourth, Ben H. Hand, Princeton, '32, by 13 ft.; fifth, Isadore Fogel, N. Y. U., '32, by 5 yds.; sixth, William A. Briggs, Georgetown, '32, by 5¼ yds. Time: 21.8 seconds.

**Heat 5**—Won by Leslie I. Hables, Stanford, '33; second, Calvin W. Miller, III, Williams, '33, by 1 ft.; third, Arthur D. Keown, Princeton, '32, by 4 ft.; fourth, Elias M. Lamb, Lehigh, '31, by 7 ft.; fifth, Connie G. Quesenberry, William and Mary, '31, by 6 ft.; sixth, Harris Sachs, Pennsylvania, '31, by 10 yds. Time: 21.7 seconds.

### Semi-Finals

**Heat 1**—Won by Calvin W. Miller, III, Williams, '33; second, T. Edward Tolan, Jr., Michigan, '31, by 1½ ft.; third, Roy M. Delby, Southern California, '32, by 2 ft.; fourth, Walter M. Boyd, Yale, '33, by 2½ ft.; fifth, Richard L. Lacey, Colgate, '32, by 4 ft. Time: 21.7 seconds.

**Heat 2**—Won by Leslie I. Hables, Stanford, '33; second, Carl H. Meinig, Cornell, '32, by 2 yds.; third, Bernard J. Krosney, N. Y. U., '33, by 7 ft.; fourth, Robert M. Ingham, Jr., Yale, '31, by 8 ft.; fifth, Charles A. Carlin, Georgetown, '32, by 15 ft. Time: 21.7 seconds.

**Heat 3**—Won by Arthur D. Keown, Princeton, '32; second, George F. Troy, Jr., Brown, '31, by 6 in.; third, Theodore W. Graham, Syracuse, '31, by 2 yds.; fourth, Monroe Sheinberg, C. C. N. Y., '31, by 2½ yds.; fifth, Spencer J. Sparks, California, '31, by 4 yds. Time: 22.4 seconds.

#### 440 YARD DASH

For the first time since 1921, when O. O. Hendrixson, of California, won the quarter, the West produced a winner in this event. This had been expected, since reports had come East of the 47-2/5 performance of Ben B. Eastman, of Stanford. The last few yards of the race gave the West a winner, but it was not Eastman, but Victor E. Williams, of Southern California, the A. A. U. National Champion, who had been second to Eastman in his previous great race. The beginning of the race saw a terrific rush in good order down the track with Horace Steel, of Pennsylvania, leading to the 200 yard mark. Williams, with a rather ragged start, was left in the rear, although the field was well bunched. At 200 yards Eastman, with a smooth, beautiful stride, came to the front and around the turn Williams moved up far away from the pole and stayed within striking distance of Eastman until about 70 yards from the finish and then, with a terrific burst, tore past Eastman to win by 3 yards. Eastman seemed to hold his pace from beginning to end with little or no sprint at the finish. It was the reverse with Williams, who had a sprint which simply could not be denied. It was one of the greatest quarter miles ever run at the Intercollegiates and the time of 47.4 seconds equalled the great performance of *Ted Meredith* in 1915. *Arthur Woessner*, of Southern California, was a yard

behind Eastman with Steel the same distance back and Horace Whitney, of Colgate, 2 feet to the rear. Theodore W. Graham, of Syracuse, second in 1930, was in sixth place, a yard behind Whitney. The time of the sixth man in this race was about 48 seconds. This illustrates the character of the competition in this event.

#### Final

Won by Victor E. Williams, Southern California, '31.

Second, Ben B. Eastman, Stanford, '33, by 3 yds.

Third, Arthur Woessner, Southern California, '32, by 4 yds.

Fourth, Horace W. Steel, Pennsylvania, '32, by 5 yds.

Fifth, Horace B. Whitney, Colgate, '32, by 5½ yds.

Time: 47.4 seconds (equals I. C. A. A. A. A. and World's records).

Also competed: Sixth, Theodore W. Graham, Syracuse, '31, by 6 yds.; Joseph G. Horne, Princeton, '31; Alvin A. Hables, Stanford, '32; John B. Watrous, Syracuse, '31.

#### Preliminary Heats\*

**Heat 1**—Won by Ben B. Eastman, Stanford, '33; second, Horace B. Whitney, Colgate, '32, by 3 yds.; third, Hasket Derby, Princeton, '32, by 4½ yds. (time: 49.7 seconds); fourth, Leon F. Andrews, Dartmouth, '31, by 5 yds.; fifth, James C. Healy, Pennsylvania, '33, by 6½ yds. Time: 48.3 seconds.

Also competed: Charles A. Williams, Harvard, '31; Charles E. Smith, Yale, '33.

**Heat 2**—Won by Theodore W. Graham, Syracuse, '31; second, Horace W. Steel, Pennsylvania, '32, by 2 ft.; third, Morris G. Talcott, Yale, '31, by 2½ yds. (time: 50.2 seconds); fourth, Elliot B. Noyes, Dartmouth, '32, by 3 yds.; fifth, Edwin F. Heger, Columbia, '32, by 3½ yds. Time: 49.7 seconds.

Also competed: William Bloom, C. C. N. Y., '31; Frederick P. Pumphrey, N. Y. U., '32.

\*First and second and the fastest third man qualified for the final.

**Heat 3**—Won by Victor E. Williams, Southern California, '31; second, John B. Watrous, Syracuse, '31, by 1 ft.; third, Joseph G. Horne, Princeton, '31, by  $2\frac{1}{2}$  yds. (time: 49.1 seconds); fourth, Nathan P. Dodge, Harvard, '33, by 3 yds.; fifth, Arnold G. Adams, Bates, '33, by 4 yds. Time: 48.6 seconds.

Also competed: John A. Trachy, N. Y. U., '31; Malcolm L. Pratt, Dartmouth, '31; John K. Edwards, Jr., Pennsylvania, '33.

**Heat 4**—Won by Arthur Woessner, Southern California, '32; second, Alvin A. Hables, Stanford, '32, by  $1\frac{1}{2}$  yds.; third, Bernard P. McCafferty, Holy Cross, '32, by 2 yds. (time: 49.6 seconds); fourth, Victor Burke, Georgetown, '32, by  $2\frac{1}{4}$  yds.; fifth, John A. McCague, Union, '32, by  $2\frac{1}{2}$  yds. Time: 49.1 seconds.

Also competed: Hamilton F. Kollmeyer, Harvard, '33; Edward Gritsavage, Penn State, '33; Ellwood W. Hansen, Pennsylvania, '33.

### 880 YARD RUN

In this event the West furnished its first middle distance winner in the history of the games. Ben B. Eastman, of Stanford, who had finished in second place in the quarter an hour before, was not to be denied and won in the splendid time of 1 minute 54.4 seconds. At one time or another Cobb, of Harvard; Huse, of Brown; Fleet, of Boston College, and Kelly, of Georgetown, were in the lead. Eastman, giving a splendid exhibition of pace judging, was the last to come to the front with a strong rush about 50 yards from home and stayed in first position, beating Wesley Huse, of Brown, by 2 yards. James J. Kelly, of Georgetown, was a foot behind Huse and a yard ahead of Donald Fleet. David Cobb, of Harvard, 15 feet behind the winner, was in fifth place. Cobb was second last year, the only surviving point-winner of 1930. Otto E. Rosner, of Princeton, was sixth by about 18 feet and his time could not have been more than 1 minute 55 seconds

flat. The first heat was won by George Bullwinkle, of C. C. N. Y., in 1 minute 55 seconds flat. Bullwinkle's first quarter was run in 52 seconds and the punishment that he took in finishing his race undoubtedly had considerable influence in his Saturday's performance in the mile.

### Final

Won by Ben B. Eastman, Stanford, '33.

Second, Wesley F. Huse, Brown, '31, by 2 yds.

Third, James J. Kelly, Georgetown, '32, by 7 ft.

Fourth, Donald A. Fleet, Boston College, '33, by 10 ft.

Fifth, David Cobb, Harvard, '31, by 15 ft.

Time: 1 minute 54.4 seconds.

Also competed: Sixth, Otto E. Rosner, Princeton, '31, by 18 ft.; George H. Bullwinkle, C. C. N. Y., '31; Joseph R. Mangan, Cornell, '32; Daniel J. Hutner, N. Y. U., '32; Milton M. Sandler, N. Y. U., '32; Alfred S. Mills, Princeton, '31; Victor M. Fitzmaurice, Southern California, '31.

### Preliminary Heats

**Heat 1**—Won by George H. Bullwinkle, C. C. N. Y., '31; second, James J. Kelly, Georgetown, '32, by  $4\frac{1}{2}$  yds.; third, Otto E. Rosner, Princeton, '31, by 6 yds.; fourth, Alfred R. Sumner, Yale, '31, by 10 yds.; fifth, Joseph W. Langley, Dartmouth, '32, by 15 yds. Time: 1 minute 55 seconds.

Also competed: Thomas J. Campbell, Manhattan, '33; Alfred J. Campbell, N. Y. U., '33; Lloyd M. Johnson, William and Mary, '32.

**Heat 2**—Won by Ben B. Eastman, Stanford, '33; second, Wesley F. Huse, Brown, '31, by 2 yds.; third, Daniel J. Hutner, N. Y. U., '32, by 4 yds.; fourth, Leopold Mothner, N. Y. U., '33, by 7 yds.; fifth, Charles W. Aussicker, Union, '31, by 8 yds. Time: 1 minute 58.3 seconds.

Also competed: Joseph W. Fobes, Harvard, '32; Patrick J. Christopher, Manhattan, '31; John B. Kerr, Pennsylvania, '32.

**Heat 3**—Won by Donald A. Fleet, Boston, '33; second, Victor M. Fitzmaurice, Southern California, '31, by 3 yds.; third, Milton M. Sandler, N. Y. U., '32, by  $3\frac{1}{2}$  yds.; fourth, Robert B. Newall, Colgate, '33, by  $3\frac{3}{4}$  yds.; fifth, Albert L. Schaeffer, Pennsylvania, '33, by 4 yds. Time: 1 minute 57 seconds.

Also competed: Philip S. Dalton, Harvard, '31; Vincent J. McArdle, Manhattan, '32; James W. King, Penn State, '31.

**Heat 4**—Won by David Cobb, Harvard, '31; second, Joseph R. Mangan, Cornell, '33, by  $1\frac{1}{2}$  ft.; third, Alfred S. Mills, Princeton, '31, by  $5\frac{1}{2}$  ft.; fourth, Marvin C. Demler, N. Y. U., '31, by 7 ft.; fifth, Joseph M. Burns, Manhattan, '33, by 9 ft. Time: 1 minute 58.1 seconds.

Also competed: William P. McGeagh, Southern California, '32; Dale C. Bouton, Syracuse, '33.

### ONE MILE RUN

The one mile run gave the East its second small satisfaction and was the first race to break the string of flat event victories by the West. Norwood P. Hallowell, of Harvard, second in the mile in 1930, ran an excellently judged and even race to lead the field home by 7 yards in 4 minutes 18 seconds. This was the fastest mile since 1923. George Bullwinkle, of C. C. N. Y., as usual, set the pace. He was timed at the three-quarters in 3 minutes  $12\frac{1}{5}$  seconds. He was then 6 yards ahead of Carl Coan, of Pennsylvania, and held the lead until almost at the last turn, when Coan and Hallowell moved up. Hallowell had been third during the last quarter and made his strong bid in the middle of the straightaway, rushing past Coan in a splendid finish. Arthur F. Martin failed by 3 yards to catch the fast tiring Coan. Bullwinkle, whose terrific pace had told heavily upon him, was in fourth position, 11 yards behind the winner and 2 yards ahead of Howard P. Dawson, of Princeton. Clifford J. Hal-

stead, of Southern California, who had done 4 minutes 19.4 seconds on the Coast, was sixth. William J. McKniff, of Pennsylvania, who had been looked upon as a potential winner, did not place. Undoubtedly the great heat of the day took its toll in the longer races.

### Final

Won by Norwood P. Hallowell, Harvard, '32.

Second, Carl A. Coan, Pennsylvania, '32, by 7 yds.

Third, Arthur F. Martin, Cornell, '32, by 10 yds.

Fourth, George H. Bullwinkle, C. C. N. Y., '31, by 11 yds.

Fifth, Howard P. Dawson, Princeton, '32, by 13 yds.

Time: 4 minutes 18 seconds.

Clifford J. Halstead, Southern California, '32, was sixth by 14 yds.

Also competed: Joseph W. Langley, Dartmouth, '32; Bay E. Estes, Harvard, '32; Robert W. Boise, Jr., N. Y. U., '31; James W. King, Penn State, '31; William J. McKniff, Pennsylvania, '32; Earl F. Callahan, Southern California, '33; Robert M. Brown, Stanford, '31.

### TWO MILE RUN

The two mile run furnished an extremely interesting and exciting event. With a fair sized field, there was considerable crowding on the first turn and Joseph P. McCluskey, of Fordham, the Indoor champion and record holder, suffered a heavy fall to the cinders. Clark S. Chamberlain, of Michigan State, winner of the last Cross-Country Championship, proceeded to endeavor to kill the field, but the result was disastrous for him. He finished the mile in 4 minutes  $34\frac{3}{5}$  seconds, 40 yards in the lead. At the end of the fifth lap he was 70 yards and then the pace began to tell on him. At the sixth lap he was 40 yards ahead and at the beginning of the last lap but twelve. Albert F. Ranney, of Cornell, then passed him, along with McCluskey and Rekers, of Penn State. For the last quarter the pace had considerably slackened. Coming into the straightaway,

Rekers was slightly ahead of McCluskey and then Ranney passed Rekers. McCluskey, who had lost at least 20 yards to the whole field, with a last desperate effort, drew steadily on in front to beat Ranney by 4 yards. He finished the race in an exhausted condition. His courageous effort under the most adverse conditions drew a great hand from the audience. There is no doubt that the great heat of the day was felt by every man in this race. Chamberlain the week before had finished his two miles in better time on precisely the same schedule but was unable to maintain it for this race.

Won by Joseph P. McCluskey, Fordham, '33.

Second, Albert F. Ranney, Cornell, '32, by 4 yds.

Third, Paul E. Rekers, Penn State, '31, by 7 yds.

Fourth, Clark S. Chamberlain, Michigan State, '32, by 10 yds.

Fifth, Charles A. Meisinger, Penn State, '31, by 24 yds.

Time: 9 minutes 26.6 seconds.

Joseph N. Fox, Harvard, '32, was sixth by 28 yds. and Daniel E. Dean, Pennsylvania, '32, seventh by 30 yds.

Also competed: Peter C. Rhodes, Columbia, '33; Raymond K. Hildebrandt, Columbia, '33; George N. Barrie, Harvard, '32; John J. Ryan, Manhattan, '33; George H. Barker, N. Y. U., '33; Richard J. Detwiler, Penn State, '31; Charles R. King, Penn State, '33; Roland C. Ritchie, Pennsylvania, '31; Duboise S. Morris, Princeton, '33.

#### 120 YARD HIGH HURDLES

Eugene E. Record, of Harvard, after a gruelling succession of heats, two semi-finals and a final, became the first Eastern winner to have his flag hauled up the central flagpole. His performance in the high hurdles, in winning in 14.6 seconds, was excellent. George H. Clark, of Cornell, who had been third in the semi-finals and had won the run-off heat for fifth man in 14.9 seconds, the fastest time except the finals, was second by about 2 feet. Going over the last hurdle he

seemed to be almost even with Record. Arthur G. DeVoe, of Yale, was 2½ feet behind. William S. Stokes, of Southern California, was fourth, and Clarence L. Berry, of the same university, fifth, by 7 feet and 5 yards, respectively.

#### Final

Won by Eugene E. Record, Harvard, '32.

Second, George H. Clark, Cornell, '31, by 2 ft.

Third, Arthur G. DeVoe, Yale, '31, by 4½ ft.

Fourth, William S. Stokes, Southern California, '32, by 7 ft.

Fifth, Clarence L. Berry, Southern California, '33, by 5 yds.

Time: 14.6 seconds.

#### Preliminary Heats

**Heat 1**—Won by Eugene E. Record, Harvard, '32; second, John W. Brugman, Stanford, '32, by 4 ft.; third, Edwin G. Bath, Michigan State, '33, by 10 ft.; fourth, Robert N. Hart, Cornell, '32, by 14 ft.; fifth, Joseph H. Wiseman, Columbia, '32, by 16 ft. Time: 15.4 seconds.

**Heat 2**—Won by Arthur G. DeVoe, Yale, '31; second, Alfred W. Nisbet, Stanford, '31, by 6 in.; third, Henry O. Wake-man, Colgate, '32, by 6 ft.; fourth, Clifford P. Liberty, Michigan State, '33, by 8 ft.; fifth, DeForest B. Voorhees, Dartmouth, '33, by 10 ft. Time: 15.5 seconds.

**Heat 3**—Won by John McDowell, Penn State, '31; second, Charles W. Summerill, Princeton, '32, by 1 yd.; third, Wendell C. Aldred, Pennsylvania, '32, by 2 yds.; fourth, Alexander E. Reidell, Columbia, '33, by 7 ft.; fifth, Douglas H. Wheeler, Colby, '32, by 7 yds. Time: 15.5 seconds.

**Heat 4**—Won by Harmar Brereton, Yale, '31; second, George H. Clark, Cornell, '31, by 1 yd.; third, Clarence L. Berry, Southern California, '33, by 2 yds.; fourth, Henry T. Updegrove, N. Y. U., '32, by 4½ yds. Time: 15.4 seconds.

**Heat 5**—Won by William S. Stokes, Southern California, '32; second, Kenneth W. Yarger, Michigan State, '31, by 1 yd.; third, Charles W. Stanwood, Bowdoin,

'32, by 7 ft.; fourth, John V. Janis, Fordham, '32, by  $4\frac{1}{2}$  yds.; fifth, Paul D. Brentlinger, Syracuse, '31, by  $4\frac{3}{4}$  yds. Time: 15.2 seconds.

#### First Semi-Finals

Heat 1—Won by Eugene E. Record, Harvard, '32; second, Clarence L. Berry, Southern California, '33, by 2 ft.; third, Charles W. Summerill, Princeton, '32, by 5 ft.; fourth, Charles W. Stanwood, Bowdoin, '32, by 7 ft.; fifth, Alfred W. Nisbet, Stanford, '31, by 5 yds. Time: 15.2 seconds.

Heat 2—Won by William S. Stokes, Southern California, '32; second, John McDowell, Penn State, '31, by  $2\frac{1}{2}$  yds.; third, Harmar Brereton, Yale, '31, by 3 yds.; fourth, Edwin G. Bath, Michigan State, '33, by  $3\frac{1}{2}$  yds.; fifth, Henry O. Wakeman, Colgate, '32, by  $4\frac{1}{2}$  yds. Time: 15.2 seconds.

Heat 3—Won by Kenneth W. Yarger, Michigan State, '31; second, George H. Clark, Cornell, '31, by 6 in.; third, Arthur G. DeVoe, Yale, '31, by 2 ft.; fourth, John W. Brugman, Stanford, '32, by  $2\frac{1}{2}$  yds.; fifth, Wendell C. Aldred, Pennsylvania, '32, by  $4\frac{1}{2}$  yds. Time: 15.4 seconds.

#### Second Semi-Finals

Heat 1—Won by Eugene E. Record, Harvard, '32; second, William S. Stokes, Southern California, '32, by 6 in.; third, George H. Clark, Cornell, '31, by 1 ft.; fourth, Harmar Brereton, Yale, '31, by 6 yds. Time: 15 seconds.

Heat 2—Won by Arthur G. DeVoe, Yale, '31; second, Clarence L. Berry, Southern California, '33, by 3 ft.; third, Charles W. Summerill, Princeton, '32, by 4 ft.; fourth, John McDowell, Penn State, '31, by 5 ft.; fifth, Kenneth W. Yarger, Michigan State, '31, by 6 ft. Time: 15.2 seconds.

#### Heat for Fifth Man in Final

Won by George H. Clark, Cornell, '31; second, Harmar Brereton, Yale, '31, by 1 yd.; third, Charles W. Summerill, Princeton, '32, by 2 yds.; fourth, John McDowell, Penn State, '31, by 3 yds.; fifth, Kenneth W. Yarger, Michigan State, '31, by 7 yds. Time: 14.9 seconds.

## 220 YARD HURDLES

The spectators had reason to believe that they would see the record equalled or broken and were not disappointed. Ernest A. Payne, of Southern California, who had three times equalled the Intercollegiate record on the Coast, won the event in 23.6 seconds, but by the scant margin of 1 foot from Eugene E. Record, who had previously won the 120 hurdles and had been through the interminable heats of both events. This time equalled the famous record of the late Alvin C. Kraenzlein. Alfred W. Nisbet, of Stanford, was third,  $3\frac{1}{2}$  feet behind the winner, with Harold L. Fates, of Yale, but 6 inches behind him. William H. Carls, of Southern California, the defending champion, who had won the event in 1930 in 23.7 seconds, was fifth,  $3\frac{1}{2}$  yards behind Payne.

#### Final

Won by Ernest A. Payne, Southern California, '31.

Second, Eugene E. Record, Harvard, '32, by 1 ft.

Third, Alfred W. Nisbet, Stanford, '31, by  $3\frac{1}{2}$  ft.

Fourth, Harold L. Fates, Yale, '32, by 4 ft.

Fifth, William H. Carls, Southern California, '32, by  $3\frac{1}{2}$  yds.

Time: 23.6 seconds (equals I. C. A. A. A. A. Record).

#### Preliminary Heats

Heat 1—Won by William H. Carls, Southern California, '32; second, Frederick J. Klauer, Colgate, '33, by 2 yds.; third, Roland F. Roche, N. Y. U., '32, by  $2\frac{1}{2}$  yds.; fourth, Richard B. Dear, Pennsylvania, '33, by 3 yds.; fifth, DeForest B. Voorhees, Dartmouth, '33, by 10 ft. Time: 24.8 seconds.

Heat 2—Won by Harold L. Fates, Yale, '32; second, Clifford P. Liberty, Michigan State, '33, by 2 ft.; third, Charles W. Stanwood, Bowdoin, '32, by 3 ft.; fourth, Alexander E. Reidell, Columbia, '33, by 5 ft.; fifth, Ray G. Walter, Pennsylvania, '33, by 6 ft. Time: 24.8 seconds.

**Heat 3**—Won by Ernest A. Payne, Southern California, '31; second, Robert K. Russell, Michigan State, '31, by 3 yds.; third, George H. Van Dusen, Pennsylvania, '33, by 8 yds.; fourth, Paul D. Brentlinger, Syracuse, '31, by 8½ yds. Time: 24.9 seconds.

**Heat 4**—Won by John S. Tritle, Yale, '32; second, Joseph H. Wiseman, Columbia, '32, by 3½ ft.; third, Douglas H. Wheeler, Colby, '33, by 4 ft.; fourth, John W. Brugman, Stanford, '32, by 5 ft.; fifth, Edwin G. Bath, Michigan State, '33, by 7 ft. Time: 25.4 seconds.

**Heat 5**—Won by Eugene E. Record, Harvard, '32; second, John A. Trachy, N. Y. U., '31, by 2 ft.; third, John V. Janis, Fordham, '32, by 6 ft.; fourth, Wendell C. Aldred, Pennsylvania, '32, by 8 ft. Time: 25.7 seconds.

**Heat 6**—Won by Alfred W. Nisbet, Stanford, '31; second, Charles E. Scarlett, Princeton, '32, by 3½ yds.; third, Raymond C. McLaughlin, Bowdoin, '33, by 8 yds.; fourth, Robert N. Hart, Cornell, '32, by 9 yds. Time: 24.5 seconds.

#### First Semi-Finals

**Heat 1**—Won by William H. Carls, Southern California, '32; second, Clifford P. Libert, Michigan State, '33, by 4 yds.; third, Joseph H. Wiseman, Columbia, '32, by 4½ yds.; fourth, John S. Tritle, Yale, '32, by 14 ft.; fifth, Raymond C. McLaughlin, Bowdoin, '33, by 5 yds. Time: 24.5 seconds.

**Heat 2**—Won by Ernest A. Payne, Southern California, '31; second, Charles W. Stanwood, Bowdoin, '32, by 5 yds.; third, Harold L. Fates, Yale, '32, by 6 yds.; fourth, Frederick G. Klauer, Colgate, '33, by 7 yds.; fifth, John A. Trachy, N. Y. U., '31, by 7½ yds. Time: 24.6 seconds.

**Heat 3**—Won by Eugene E. Record, Harvard, '32; second, Alfred W. Nisbet, Stanford, '31, by 2 ft.; third, Charles E. Scarlett, Princeton, '32, by 4 ft.; fourth, Robert K. Russell, Michigan State, '31, by 6 ft.; fifth, Roland F. Roche, N. Y. U., '32, by 7 ft. Time: 24.2 seconds.

#### Second Semi-Finals

**Heat 1**—Won by William H. Carls, Southern California, '32; second, Eugene E. Record, Harvard, '32, by 1 yd.; third, Charles E. Scarlett, Princeton, '32, by 3 yds.; fourth, Charles W. Stanwood, Bowdoin, '32, by 4 yds. Time: 24 seconds.

**Heat 2**—Won by Harold L. Fates, Yale, '32; second, Ernest A. Payne, Southern California, '31, by 1 ft.; third, Alfred W. Nisbet, Stanford, '31, by 2 ft.; fourth, Clifford P. Liberty, Michigan State, '33, by 5 yds.; fifth, Joseph H. Wiseman, Columbia, '32, by 6 yds. Time: 23.9 seconds.

#### 16 POUND SHOT PUT

The shot put was won by Robert H. Hall, of Southern California, with a put of 49 feet 1⅞ inches, which was a splendid performance, although somewhat dimmed by the recent records of Rothert and Krenz. George C. Grey and Nelson Gray, of Stanford, were second and third, with 48 feet 8¼ inches and 48 feet 7½ inches. Henri J. Laborde, also of Stanford, was fourth with 48 feet 5½ inches. The versatile Bernard E. Berlinger, of Pennsylvania, was the only Easterner in the point-winners. He was fifth with 47 feet 9⅝ inches. This was the second event in which any college scored three point-winners and was almost a clean sweep for the West.

Won by Robert H. Hall, Southern California, '32, 49 ft. 1⅞ in.

Second, George C. Grey, Stanford, '32, 48 ft. 8¼ in.

Third, Nelson A. Gray, Stanford, '33, 48 ft. 7½ in.

Fourth, Henri J. Laborde, Stanford, '33, 48 ft. 5½ in.

Fifth, Bernard E. Berlinger, Pennsylvania, '31, 47 ft. 9⅝ in.

#### Other Performances

Elias A. Fischer, Rutgers, '32, 47 ft. 2⅞ in.; Otto B. Schoenfeld, Cornell, '32, 46 ft. 3⅝ in.; Charles F. Jones, N. Y. U., '32, 46 ft. ¾ in.; Frederick A. Steiner, Pennsylvania, '31, 45 ft. 11⅝ in.; Thomas F. Gilbane, Brown, '33, 45 ft. 1¾ in.; Harry S. Schneider, N. Y. U., '31, 44 ft. 10⅞ in.; Joseph P. Crowley, Yale, '33,

44 ft. 7 $\frac{7}{8}$  in.; Bror Grondal, M. I. T., '31, 43 ft. 11 $\frac{1}{2}$  in.; Harrison Garrett, Princeton, '33, 43 ft. 4 $\frac{1}{8}$  in.; Frederic G. Ludwig, Yale, '33, 42 ft. 9 $\frac{1}{2}$  in.; Joseph S. Uuhlein, Jr., Yale, '32, 42 ft. 6 $\frac{1}{2}$  in.; Norman E. Curtis, Columbia, '32, 38 ft. 10 $\frac{1}{2}$  in.

#### JAVELIN THROW

As was expected, Kenneth M. Churchill, of California, won the javelin and again broke the record with a magnificent heave of 220 feet 11 $\frac{1}{4}$  inches. This distance was attained on his first throw on Saturday. This was his longest throw in actual competition, although in practice he had done 226 feet. In breaking the record last year, he improved his best throw by over 5 feet. Second place was taken by Bernard E. Berlinger, of Pennsylvania, with 193 feet 4 $\frac{1}{2}$  inches, or 27 $\frac{1}{2}$  feet behind Churchill. Third place went to Crawford N. Syer, William and Mary, a newcomer in Intercollegiate ranks, with 192 feet 5 inches. Alvin W. Ray, of Stanford, was fourth with 190 feet 10 $\frac{1}{4}$  inches, and Kenneth McKenzie, of Southern California, fifth with 187 feet 1 $\frac{1}{2}$  inches.

Won by Kenneth M. Churchill, California, '31, 220 ft. 11 $\frac{1}{4}$  in. (I. C. A. A. A. Record).

Second, Bernard E. Berlinger, Pennsylvania, '31, 193 ft. 4 $\frac{1}{2}$  in.

Third, Crawford N. Syer, William and Mary, '32, 192 ft. 5 in.

Fourth, Alvin W. Ray, Stanford, '32, 190 ft. 10 $\frac{1}{4}$  in.

Fifth, Kenneth McKenzie, Southern California, '33, 187 ft. 1 $\frac{1}{2}$  in.

#### Other Performances

George Werntz, Colgate, '33, 185 ft. 2 in.; Howard R. Hick, N. Y. U., '32, 184 ft. 9 in.; Malcolm W. Metcalf, Dartmouth, '32, 182 ft. 7 in.; Victor M. Harding, Harvard, '31, 179 ft. 10 in.; Melvin T. Treworgy, Colby, '31, 179 ft. 4 in.; Marshall H. Huey, Pennsylvania, '32; Arthur G. Lange, Pennsylvania, '33; Calvin W. Shawley, Penn State, '31; Robert J. Sigel, Penn State, '33; William G. Isom, Princeton, '33; Clifton B. Osgood, Princeton, '33; Philip S. Carr, Yale, '31, not measured.

#### RUNNING HIGH JUMP

The high jump was won for the second year in succession by William B. O'Connor, of Columbia, at 6 feet 5 inches, or  $\frac{3}{4}$  of an inch behind the record of Robert W. King, of Stanford. James D. Stewart, of Southern California, was again second, with a jump of 6 feet 4 inches. O'Connor improved his jump 2 inches over last year and Stewart 1 inch. Calvin H. Milans, of Dartmouth, was third, with 6 feet 3 inches, which was just the winning height of last year. There was a tie for fourth place between seven men at 6 feet 1 inch. Last year there were but six men who equalled this height.

Won by William B. O'Connor, Columbia, '32, 6 ft. 5 in.

Second, James D. Stewart, Southern California, '32, 6 ft. 4 in.

Third, Calvin H. Milans, Dartmouth, '33, 6 ft. 3 in.

Tie for fourth, John H. Moody, Dartmouth, '31; George W. Kuehn, Harvard, '32; John P. Caveny, Princeton, '32; William E. Brannan, Southern California, '33; Duncan A. McNaughton, Southern California, '33; Arnold J. West, Stanford, '31; Edward P. Moore, Yale, '33, 6 ft. 1 in.

#### Other Performances

Richard B. Rice, California, '32; Lawrence B. Robinson, Colby, '32; Ferdinand E. Babor, C. C. N. Y., '32; Edward H. Ebelhare, Cornell, '32; Theodore F. Haidt, Cornell, '33; Alfred W. Hoppenstedt, Cornell, '31; Morris Muslin, Pennsylvania, '33; William B. Newkirk, Pennsylvania, '31; George W. Whiteside, Jr., Yale, '33, 5 ft. 11 in.; Frederick J. Klauer, Colgate, '33; Frederick Klemm, Pennsylvania, '33; Robert F. Jones, Stanford, '32; Paul D. Brentlinger, Syracuse, '31, 5 ft. 8 in.

#### POLE VAULT

The pole vault was one of the sensational events of the day. William N. Graber, a sophomore from Southern California, broke the noteworthy record of Sabin Carr of 14 feet by  $\frac{1}{2}$  of an inch.

Graber, a newcomer in the Intercollegiate ranks, with two years of competition ahead of him, astonished the big crowd of spectators and probably himself with his remarkable performance. He was highly pleased when he cleared 13 feet 8 inches on his second trial. A great shout went up from the audience when Bernard Berlinger of the home team cleared 13 feet 8 inches on his third trial. Most people in the stadium considered the event finished. The bar was raised  $4\frac{1}{2}$  inches and Graber cleared it cleanly on his second trial. The bar was most carefully remeasured and then raised to 14 feet 2 inches, or the world's record. Graber failed three times to clear the bar at this height. As usual, there was a tie for third place, this time between five men, of whom two were from Cornell, at 13 feet 4 inches. Three other competitors cleared 13 feet.

Won by William N. Graber, Southern California, '33, 14 ft.  $\frac{1}{2}$  in. (I. C. A. A. A. Record).

Second, Bernard E. Berlinger, Pennsylvania, '31, 13 ft. 8 in.

Third, Isadore Belloff, Cornell, '33; Everett L. Colyer, Cornell, '31; Edward B. DeGroot, Stanford, '32; George F. Pool, California, '32; Clement W. Williamson, Yale, '33, 13 ft. 4 in.

#### Other Performances

Albert K. Noyes, Dartmouth, '31; George A. Munger, Pennsylvania, '33; Theodore H. Lee, Yale, '32, 13 ft.; Willard D. Smith, Pennsylvania, '32; John M. Ranck, Princeton, '32; Peter D. Chlentos, Southern California, '32; Frederick W. Squires, Yale, '32, 12 ft. 6 in.; Frank E. Benjamin, Syracuse, '31; Donald J. Jones, Pennsylvania, '33, 11 ft. 6 in.

#### DISCUS THROW

The discus was won by Robert F. Jones, of Stanford, with a throw of 159 feet  $2\frac{1}{4}$  inches. This throw was nearly *6 feet better than the Intercollegiate record* up to last year, when Eric Krenz did his astounding feat of throwing 163 feet

$7\frac{3}{8}$  inches. Second place, taken by Robert H. Hall, of Southern California, at 154 feet  $9\frac{3}{4}$  inches, was  $1\frac{1}{2}$  feet better than the record up to 1930. Two other Stanford men placed in this event, Henri J. Laborde, third, with 148 feet  $1\frac{1}{2}$  inches, and Norman A. McLeod, who took fifth place with 146 feet  $10\frac{1}{4}$  inches. Joseph P. Crowley, of Yale, was fourth with 147 feet  $10\frac{1}{4}$  inches.

Won by Robert F. Jones, Stanford, '32, 159 ft.  $2\frac{1}{4}$  in.

Second, Robert H. Hall, Southern California, '32, 154 ft.  $9\frac{3}{4}$  in.

Third, Henri J. Laborde, Stanford, '33, 148 ft.  $1\frac{1}{2}$  in.

Fourth, Joseph P. Crowley, Yale, '33, 147 ft.  $10\frac{1}{4}$  in.

Fifth, Norman A. McLeod, Stanford, '32, 146 ft.  $10\frac{1}{4}$  in.

#### Other Performances

Nelson Gray, Stanford, '33, 145 ft.  $6\frac{1}{4}$  in.; Harry S. Schneider, N. Y. U., '31, 140 ft.  $6\frac{1}{2}$  in.; Frederick A. Steiner, Pennsylvania, '31, 140 ft. 5 in.; Otto B. Schoenfeld, Cornell, '32, 135 ft.  $\frac{1}{2}$  in.; Thomas F. Gilbane, Brown, '33, 134 ft.  $9\frac{1}{2}$  in.; Walter H. Gahagan, Princeton, '32, 132 ft. 9 in.; J. Gordon Lippincott, Swarthmore, '31, 130 ft. 4 in.; Theodore P. Avery, Yale, '32, 129 ft.  $10\frac{1}{4}$  in.; George C. Grey, Stanford, '32, 129 ft. 9 in.; Louis A. Lepis, Manhattan, '32, 125 ft. 11 in.; Harrison Garrett, Princeton, '33, 125 ft.  $\frac{1}{2}$  in.; Norman E. Curtis, Columbia, '32, 124 ft. 8 in.; Malcolm W. Metcalf, Dartmouth, '32, 119 ft. 6 in.; Frederic G. Ludwig, Yale, '33, 119 ft.  $\frac{1}{2}$  in.; Joseph Blutraich, N. Y. U., '32, 118 ft. 6 in.; Joseph E. Uihlein, Yale, '32, fouled.

#### RUNNING BROAD JUMP

This event also was of thrilling interest. It was won by Richard A. Barber, of Southern California, with a leap of 25 feet  $3\frac{1}{2}$  inches, or  $2\frac{3}{8}$  inches beyond the Intercollegiate record of Jesse T. Hill, a former team-mate. At the end of Fri-

day's trials Lemoine E. Boyle, of Pennsylvania, was leading with a record breaking leap of 25 feet  $1\frac{1}{8}$  inches, which he had achieved on his last jump. This leap was  $\frac{3}{4}$  of an inch ahead of the record and it was assumed that he had the event won. Barber's great leap came on his fourth jump. His best previous performance had been 24 feet  $9\frac{7}{8}$  inches. Every one of Barber's jumps was over 24 feet, which was a remarkably consistent performance. Boyle's experience has been unhappy. Indoors, after breaking the Indoor record, he took second place to Everett Utterback, of Pittsburgh, who broke the record a little more. Third and fourth places went to Stanford, with Wallace P. Butler doing 23 feet 10 inches and Arnold West 23 feet  $9\frac{1}{8}$  inches. Theodore Smith, of Syracuse, was fifth with 23 feet  $7\frac{1}{2}$  inches.

Won by Richard A. Barber, Southern California, '32, 25 ft.  $3\frac{1}{2}$  in. (I. C. A. A. A. record).

Second, Lemoine E. Boyle, Pennsylvania, '31, 25 ft.  $1\frac{1}{8}$  in.

Third, Wallace P. Butler, Stanford, '32, 23 ft. 10 in.

Fourth, Arnold J. West, Stanford, '31, 23 ft.  $9\frac{1}{8}$  in.

Fifth, Theodore Smith, Syracuse, '31, 23 ft.  $7\frac{1}{2}$  in.

#### Other Performances

Michael A. Andursky, Pennsylvania, '33, 23 ft. 5 in.; Roger B. Donner, Dartmouth, '31, 23 ft.  $2\frac{1}{2}$  in.; Frederick J. Klauer, Colgate, '33, 22 ft.  $11\frac{1}{8}$  in.; Ward B. Donner, Dartmouth, '33, 22 ft.  $8\frac{3}{4}$  in.; Frank E. Benjamin, Syracuse, '31, 22 ft.  $7\frac{5}{8}$  in.; Charles W. Summerill, Princeton, '32, 22 ft.  $\frac{3}{4}$  in.; William B. Newkirk, Pennsylvania, '31, 22 ft.  $\frac{1}{2}$  in.; David V. Burns, Cornell, '33, 21 ft.  $7\frac{7}{8}$  in.; Lawrence B. Robinson, Colby, '32, 21 ft.  $5\frac{1}{2}$  in.; Everett E. Utterback, Pittsburgh, '31 (injured).

#### HAMMER THROW

As was expected, Frank N. Conner, of Yale, won the hammer throw at 167 feet  $2\frac{1}{2}$  inches. While this performance was some 10 feet behind his winning throw of last year, it was nevertheless the fifth best performance in the history of the games. Delma Galbraith, of Bowdoin, was second with 157 feet  $5\frac{3}{8}$  inches. Gordon Ellis, of Cornell, was third with 152 feet  $3\frac{1}{2}$  inches. Grant McDougal, of Pennsylvania, was fourth with 151 feet  $7\frac{3}{4}$  inches and Victor R. King, of Dartmouth, fifth in the same position that he occupied last year, with 151 feet 7 inches. Last year King threw 159 feet 9 inches to secure fifth place. If his performance had been the same this year he would have been in second place. Nothing could more clearly show the difficulty of consistent performances in this event. There were a great many fouls. This is the only event in which the Western colleges did not score a place. Possibly this is because they had no entries.

Won by Frank N. Conner, Yale, '31, 167 ft.  $2\frac{1}{2}$  in.

Second, Delma Galbraith, Bowdoin, '32, 157 ft.  $5\frac{3}{8}$  in.

Third, Gordon H. Ellis, Cornell, '32, 152 ft.  $3\frac{1}{2}$  in.

Fourth, Grant McDougal, Pennsylvania, '33, 151 ft.  $7\frac{3}{4}$  in.

Fifth, Victor R. King, Dartmouth, '31, 151 ft. 7 in.

#### Other Performances

George F. Sprague, Colby, '31, 146 ft.  $1\frac{3}{4}$  in.; Murdock J. Finlayson, Harvard, '32, 143 ft.  $3\frac{3}{4}$  in.; Frederic G. Ludwig, Yale, '33, 141 ft.  $3\frac{7}{8}$  in.; Allan D. Converse, Jr., Yale, '33, 137 ft.  $4\frac{5}{8}$  in.; Mortimer M. Reznick, N. Y. U., '33, 137 ft.  $2\frac{1}{2}$  in.; Willard D. Edwards, Penn State, '32; Frederick L. Johanns, Princeton, '33, fouled.