# Maples Hope to Win Students Given College Scholarships Regional Track Meet By TOM MILLDEBRANDT From the looks of the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the score of breaking record after record in the Wyren-Dishord the Score of Baldwin Sealest Senting George of Baldwin Sealest Senting George of Baldwin a trial feet of four acceptances in the Regional track meet very good for Birmingham in All Sadustra Chopres. Sealest Senting George of Baldwin a trudents we've awarded scholarships to the University of Wyren-Dishord the W

Even giant turbines need

low gear-

TO "KEEP 'EM\_ROLLING"

at top speed

The speeding wheels of large turbines like the one above are playing a vital part in Detraits war industries—generating electric power for hundreds of factories, for stores and offices and homes. Yet trangely enough, these high speed machines have a "low goar" to slow as to barely "turn over"... a most important pieca of equipment.

These small "turning gears"—developed more than a dozen years ago—have played an important part in preventing castly damage to the huge turbo-generators in Detroit Edison power plants. A big turbo-generators weighs many tons, but it is very delicately fitted—with clearances of *lifteen one-thousandths of an inch.* When a turbine is taken off the line or is temporally not in use, the stored heat in the turbine gradually raises the temperature at the top of the casing, cousing the shaft to distort and bow" upward. If a turbine were started in this condition, the shaft might be permanently bent—resulting in damage that would cripple the turbine for months, and a repair bill of some \$30,000. Even with a high priority, repair or replacement might toke months.

replacement might take months.

Turbines are too costly to be treated like this — and too hard to replace. So the small Turning gear" does an important job. It keeps the large shaft rotating slowly and continuously during shut-down periods, and prevents worping or bowing. It also permits bringing the turbine up to speed again in half the time formerly required. And because clearances can be set to a few thousandths of an inch, steam is used at a slightly increased efficiency—thereby soving a small part of the codi required to produce electricity. The Detroit Edison Company.

replacement might take months.

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ALLIED YOUTH DANCE

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The date of the Spring Baldwin's annual dance he spring sports, has been set: 22, since a number of boys have been unable to atte dance on the original date 15 because of the Regiona

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