The connecting link between insects and the Myriapods, has lately been erected into a distinct order, (see Packard's Guide, 1683) the Thysanura. They are accordingly inserted with his classification.

The above list contains some of the principal genera of each order, but must not be considered as in any degree complete-DR. J.E. WHITE

Astronomical Department.

THE STARS.

BY PROF. A. E. COLDWELL.

PAPER II. THE CONSTELLATIONS.

Lyra—the Harp. Aquila—the Eagle. Delphinus—the Dolphin. Cygnus—the Swan.

These four constellations are adiacent and can be seen in the Eastern heavens during July and August.

In the student will scan the eastern sky carefully during these months he will see three stars in a straight line about 51/2 degrees in length. · middle star is much brighter than the This is Attair or Alpha Aquilae, a star of the 1st magnitude. The one below or S.S.E. is Beta Aguilae or Alshain, the one above or N.N.W. is Gamma Aquilae or Tarazed. the Eagle and are sufficiently conspicucas to be easily found.

about 13 degrees distant is a beautiful ponents around each other, The little cluster which contains a stars of period for the individual system is the 3d magnitude so arranged as to form estimated at 2,000 years that for the the outline of a diamond. This is some- whole system about its common centre times called Job's Coffin but it is known 1,000,000 years. to Astronomers as the Dolphin. There are in this constellation fourteen other about 15 degrees distant is a remarkstars ofsmaller magnitudes,

the Eagle be continued towards the zenith about 35 degrees it will pass through one of the most brilliant stars in the northern hemisphere, conspicuous both for its brilliancy and for its being removed from other stars of the 1st magnitude. This is Vega or Alpha Lyrae situated in the Harp. This Constellation contains 21 stars including one of the 1st magnitude two of the 3d and two of the 4th. The most noted are Vega computed to be 400,000 times as distant as our Sun and Epsilon Lyrae only 11/2 degrees N.E. of Vega. This small star with another of the same (5th' magnitude makes with Vega a beautiful little triangle which can ho easily made out on a clear night. A small field-glass will resolve Epsilon Lyræ into a double star and a large telescope resolves each o these components into binary systems. This apparently insignificant These three are the principal stars in star of the 5th magnitude is really a plendid multiple star containing twin systems moving around a common On the left of this group or N. E. centre of gravity and each of the com-

Directly east or on the left of Lyra able group of stars forming the outline If a line through the three stars in of a large cross, the longer or uprigh