

PLATE XXXIX.

- Fig. 1. *Ophiolipus agassizii*, Lym., $\frac{5}{1}$. Exp. U. S. Str. "Blake."
 " 2. " " $\frac{1^0}{1}$. Outer face of an arm bone.
 " 3. " " $\frac{1^0}{1}$. Inner face of an arm bone.
 " 4. *Ophiopyren longispinus*, Lym., $\frac{17}{1}$ (*congispinus*, by error in the plate).
 " 5. " " $\frac{2^4}{1}$. Outer face of an arm bone.
 " 6. " " $\frac{2^4}{1}$. Inner face of an arm bone.
 " 7. *Ophioconis miliaria*, Lym., $\frac{1^2}{1}$.
 " 8. " " $\frac{2^0}{1}$. Outer face of an arm bone.
 " 9. " " $\frac{2^0}{1}$. Inner face of an arm bone.
 " 10. *Ophiomusium serratum*, Lym., $\frac{1^0}{1}$.
 " 11. " *validum*, Ljn., $\frac{1^0}{1}$. Outer face of an arm bone. By error *serratum* in plate.
 " 12. " " $\frac{1^0}{1}$. Inner face of an arm bone.
 " 13. " " $\frac{1^0}{1}$. Profile view of an arm bone.
 " 14. *Ophiomastus secundus*, Lym., $\frac{3^8}{1}$.
 " 15. *Ophiochæta mixta*, Lym., $\frac{1^0}{1}$.
 " 16. " " $\frac{1^2}{1}$. Outer face of an arm bone.
 " 17. " " $\frac{1^2}{1}$. Inner face of an arm bone.

PLATE XL.

- Fig. 1. *Ophiopsila riisei*, Ltk., $\frac{1^2}{1}$.
 " 2. " " $\frac{2^0}{1}$. Outer face of an arm bone.
 " 3. " " $\frac{2^0}{1}$. Inner face of an arm bone.
 " 4. *Ophiophragmus wurdemani*, Lym., $\frac{1^2}{1}$.
 " 5. " " $\frac{2^4}{1}$. Outer face of an arm bone.
 " 6. " " $\frac{2^4}{1}$. Inner face of an arm bone.
 " 7. " " $\frac{1^2}{1}$. A wing of a mouth frame showing the peculiar ridges on the interbrachial side for the attachment of the outer inter-mouth frame muscles.
 " 8. *Hemipholis cordifera*, Lym., $\frac{1^5}{1}$.
 " 9. " " $\frac{2^0}{1}$. Outer face of an arm bone.
 " 10. " " $\frac{2^0}{1}$. Inner face of an arm bone.
 " 11. " " $\frac{2^0}{1}$. Disk of a very small specimen from above to illustrate the first appearance of radial shields (*l*) just outside the brachial primary plates (*g'*).