

Karl Verhoeff has recently added another number to his series of articles on palæarctic Myriopods.* This part deals with certain points in the morphology, classification and distribution of the Chilopoda. He makes out four pairs of mouth-parts, and five segments in the chilopod head. The systematic part treats of the genera *Bothriogaster*, *Geophilus*, *Cryptops* and *Lithobius*.

Probably no one has studied the varieties of a moth so closely as has Mr. J. A. Clark, who, in a recent article on '*Peronea cristata* Fabr. and its aberrations,'† has elucidated and named no less than sixty-two forms of this British moth. Twenty-five of these aberrations are here described for the first time.

Monographiæ Entomologiæ, No. II., is to be 'A Monograph of the Membracidae' of the world, by G. W. Buckton. The first part has been issued, is a quarto in size, and contains fifty-six pages and eight colored plates. It is, however, far from a 'monograph'; there are descriptions of many species, but there are many other species listed but not described, and often without reference as to where they were described. One of the new species is from New York. The plates are rather crude.

Every coleopterist should be interested in Mr. H. C. Fall's recent list of Coleoptera from southern California.‡ Apart from the fact that, next to the New Jersey list, it is the largest local list yet issued, it is of great value because of the notes on habits and variation of the species mentioned. The total number of species runs up to 2,197, included in 826 genera. The long lists of Malachiidæ and Tenebrionidæ are especially marvelous to an eastern collector. Eighty-seven new species are described, and many others indicated, but not fully studied.

Nuttall and Shipley in continuation of their investigations on the structure and habits of

*Anopheles** have given many interesting observations. The recent parts relate to the pupa and imago, and will be of particular value to those interested in the external anatomy of insects. The detailed descriptions of the emergence of the fly from the pupa and of the feeding habits of the imago are especially interesting. In the description of the thorax the authors have followed Brauer in the nomenclature of parts. They consider that the first thoracic spiracle belongs to the mesothorax and not to the prothorax, as several authors have claimed.

Major Ross has issued his 'First Progress Report of the Campaign against Mosquitoes in Sierra Leone.'† This crusade was largely in the nature of an experiment to prove that tropical towns, notorious for mosquitoes and malaria, could be largely freed from these plagues by the adoption of certain sanitary measures. It is almost needless to say that it was successful. Empty tin cans, buckets and broken bottles were gathered, pools and puddles in streets and back yards were drained, and in a few weeks mosquitoes were rarities in Freetown.

NATHAN BANKS.

THE GEOLOGICAL SOCIETY OF AMERICA.

THE fourteenth winter meeting of the Society will be held at Rochester, N. Y., beginning on Tuesday, December 31, in the Geological lecture room, Sibley Hall, University of Rochester. The meeting will be called to order at 10 o'clock a. m. by President Charles D. Walcott. The annual address of the retiring president will probably be given Tuesday evening. The Council will hold an informal session on Monday night to open and count the ballots for officers and fellows, and will meet in formal session at 9 o'clock Tuesday morning. If the weather is favorable short excursions may be planned; one to see the Niagara strata of the Genesee gorge in the northern part of the city, and another to the Pinnacle moraine in the southern edge of the city. Ward's Natural Science Establishment, which is across the street from the University, will provide a lunch

* 'Beiträge zur Kenntnis paläarktischer Myriopoden,' XVI., Aufsatz. *Nova. Acta. K. Leop.-Carol. Akad. Naturf.*, LXXVII., No. 5. 1901. 3 plates.

† *Entom. Record*, 1901, pp. 227-229; 261-265; 287-293.

‡ 'List of the Coleoptera of Southern California with Notes on Habits and Distribution and Descriptions of New Species,' *Occ. Papers, Calif. Acad. Sci.*, VIII., Nov., 1901, pp. 1-282.

* 'The Structure and Biology of *Anopheles*,' *Jour. of Hygiene*, I., pp. 259-276; 431-484, 4 pls., 1901.

† Liverpool School of Tropical Medicine, Memoir 5, part 1, 1901.

for those Fellows who may wish to visit the Establishment during the noon recess. The president of the University, Dr. Rush Rhees, and the Trustees will tender a reception to the Fellows of the Society at the president's house on Thursday evening, January 2. The customary dinner will be arranged, probably for Wednesday evening.

No special reduction of railroad fare can be secured for the meeting, but during the holiday season reduced rates can usually be obtained from important railroad centers.

*PROGRAM OF AMERICAN SOCIETY OF
NATURALISTS.*

Tuesday, December 31, 1901.

8.00 P. M., Kent Theater, University of Chicago.—Address of welcome, by President W. R. Harper. Lecture by Dr. Leland O. Howard. Subject: 'International Work with Beneficial Insects.'

9.30 P. M., the President's House.—A Reception to all the Societies, by President Harper.

Wednesday, January 1, 1902.

2.00 P. M., Kent Theater.—Business meeting.

3.00 P. M., Kent Theater.—Discussion. Subject: 'The Relation of the American Society of Naturalists to other Scientific Societies.' Charles Sedgwick Minot, Harvard Medical School; C. B. Davenport, University of Chicago; W J McGee, Washington; William Trelease, Washington University, St. Louis; E. A. Birge, University of Wisconsin; J. McKeen Cattell, Columbia University.

6.45 P. M., Auditorium Hotel.—Business meeting.

7.00 P. M., Auditorium Hotel.—Annual dinner. Address of the President, Professor William T. Sedgwick, 'The Modern Subjection of Science and Education to Propaganda.'

LOCAL COMMITTEES.

Executive.—C. B. Davenport, Chairman; E. O. Jordan, Secretary; W. A. Locy, Treasurer; L. F. Barker, C. R. Barnes, John M. Coulter, John Dewey, H. H. Donaldson, G. A. Dorsey, F. R. Lillie, Jacques Loeb, E. P. Lyon, C. O. Whitman.

Reception.—H. H. Donaldson, Chairman; C. W. Andrews, Miss Helen Culver, W. R. Harper, Mrs. Martin A. Ryerson, G. C. Walker, Mrs. Coonly-Ward, C. O. Whitman.

Transportation.—Frederick J. V. Skiff, Chairman; G. A. Dorsey, F. R. Lillie, Willard A. Smith.

General.—C. M. Child, C. B. Davenport, George Dreyer, John Dewey, H. H. Donaldson, G. A. Dorsey, W. S. Hall, L. Hektoen, E. O. Jordan, F. R. Lillie, W. A. Locy, Jacques Loeb, A. P. Matthews, A. R. Reynolds, C. O. Whitman.

RAILROADS.

The New England Passenger Association, the Trunk Line, the Central and the Western Passenger Associations have granted the usual reduction (one and one third fares for the round trip) to those attending the meeting and provided with 'certificates.' The certificates, not transferable, must be obtained from the ticket agent at the starting-point (or, if the starting-point is not an important station, at the nearest station issuing certificates) to the place of meeting, at least thirty minutes before the train leaves. The going ticket may be purchased not earlier than December 26 or later than December 31. The certificate must state that the object of making the journey is to attend the meeting of the Affiliated Scientific Societies at Chicago, and they must be signed on December 31, January 1 or January 2, by Dr. L. W. Williams and by the special railway agent in attendance at the meetings on these three days.

SCIENTIFIC NOTES AND NEWS.

It is announced by cablegram from Stockholm that the Nobel prize in medicine has been awarded to Professor Behring, the prize in physics to Professor Röntgen and the prize in chemistry to Professor Van't Hoff. The value of each of the prizes is about \$40,000. The prize for the promotion of peace has been divided between Dr. Dumant and M. Passy, and the prize in literature has been awarded to M. Prudhomme.

THE Symons gold medal of the Royal Meteorological Society has been awarded to Dr. Alexander Buchan, F.R.S.