

with *Neuroterus fumipennis*. The second part (24 pg.) was published three months later than Mr. Cameron's paper, which contains, nevertheless, some of the names of the species (5 out of 7) treated in the second part, probably out of a provisionally published notice, unknown to me.

Dr. Adler having raised in 1874 out of all *Neuroterus fumipennis* galls nothing but *Spathogaster albipes*, decided to observe them more exactly. The experiments with *Neuroterus fumipennis* were made in 1875 in the following manner :

The galls were collected in the autumn before. When the wasps began to appear, they were put on a small oak tree in a tub in a cool room. When a wasp began oviposition each twig was enclosed in a glass tube, after the bud had been marked with a thread. There were marked March 14th—12 buds, March 19th—10 buds, March 24th—8 buds, March 26th—6 buds ; in all, 36 buds. Besides those, other wasps were put on cut oak twigs placed in damp earth or sand (in which manner the twigs keep well three weeks and longer as good material for observing the eggs), and after oviposition was observed, the isolated twig was covered with a glass bell. The wasps were examined after the oviposition and the receptaculum seminis found to be empty. The receptaculum is in the agamous species always somewhat atrophied ; in the bisexual species the external membrane is pigmented, and even if empty, forms a ball.

Besides those experiments, others were made at the same time in the open air. The oviposition was observed March 31st on 5 buds, April 1st on 7 buds, April 2nd on 12 buds, April 7th on 12 buds, April 10th on 40 buds, April 12th on 38 buds ; altogether on 114 buds. A curious fact is related that in 42 buds the ovipositor of the wasp was found left in the bud.

The results of the different experiments were as follows : The small oak tree in the tub was kept in the room and began to bud in the beginning of May, and the leaves were developed enough May 14th to see if galls were forming. Of the 36 marked buds, 13 had no galls produced ; on the others in all 36 galls were counted. It is to be remembered that here oviposition was made and observed in the room, the twigs carefully isolated by glass tubes, and kept in the room till the tree began to bud. Therefore it is impossible that eggs could have been laid by other wasps. The galls were those of *Spath. albipes*. Concerning the experiments in the open air, the leaves of the tree were May 20th so far