

ORTHOPTERA—Tettigonioids flying to lights.
 HEMIPTERA—Aquatic Hemiptera flying to lights.
 NEUROPTERA—Neuroptera were found about lights and on the screens in the morning.
 TRICHOPTERA—Great annoyance in the evenings, particularly during rains, the smaller species coming through the screens to lights, the larger species covering patches of the screens.
 LEPIDOPTERA—Moths flying to lights.
 DIPTERA—Chironomoids, culicoids, tabanids and muscoid flies. Mosquitoes were very troublesome at times, especially when the boat brushed against the papyrus. Tabanids (including *Tabanus taeniola* P. de B., det. Bequaert) were taken on several days, *T. taeniola* also being taken with *T. latipes* Mac. and *T. fasciatus* v. *niloticus* Aust. (det. Bequaert) downstream at Kaka July 6. A curious stalk-eyed fly (Diopsidae) was in my cabin early on July 10 morning.
 COLEOPTERA—Staphylinoid, coccinelloid, elateroid and other beetles were in papyrus heads. Members of several families were small and ferruginous like the ants and spiders. At night the Sudd was illuminated at times by swarms of brilliant fireflies.
 HYMENOPTERA—Parasitic Hymenoptera came through the screens to light at night and a sphecid wasp was taken at noon. The ants are listed below.

ARACHNIDA—Spiders were common inhabitants of the papyrus. Most of the spiders were pale and of medium size. Two species, however, resembled the commonest species of ants, the *Crematogaster*, *Pheidole* and *Camponotus* (*Myrmotrema*), in size, color and body shape, the latter being constricted into ant-like divisions. Such examples have often been interpreted as examples of mimicry but positive evidence is usually lacking.

ANTS

Eight species of ants were taken from the steamboat after brushing against papyrus. Five of the species were taken from the heads of papyrus, two were brushed off the plant and one was taken only in the winged female caste. The only nesting sites available for them were the base of the papyrus heads, the stems (of which none examined had cavities), or nests such as carton nests attached to the plant. Four species were small and pale ferruginous in color, blending in well with the papyrus; one was medium sized and brown, blending also well; three species were small and black, though appearing inconspicuous in nature.

In addition to the ants from papyrus there were colonies of three other species which were living on this boat (Weber, '40).

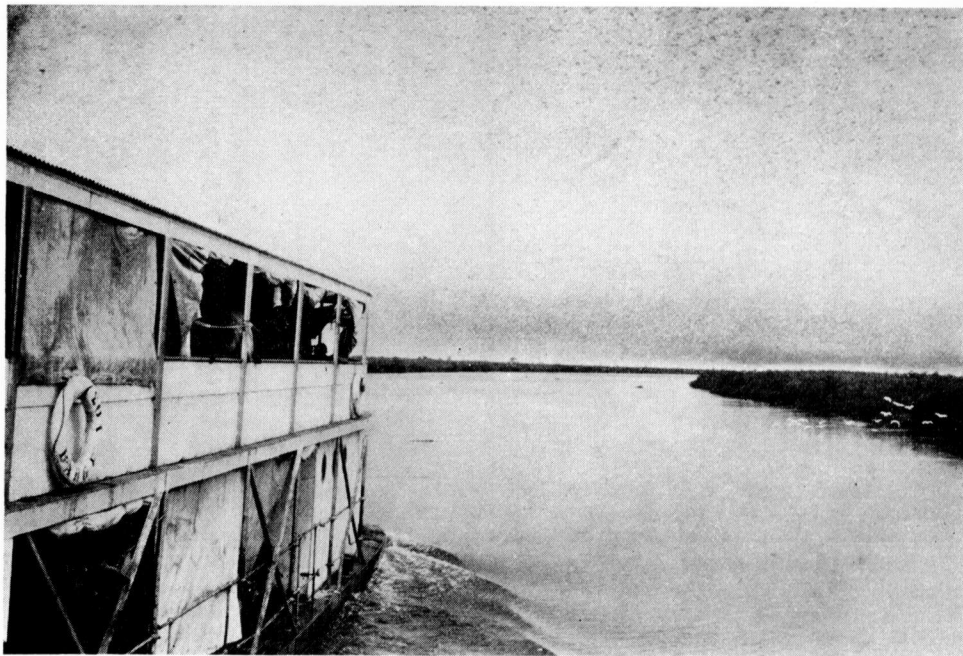


FIG. 2. Cloud of migratory locusts passing over the Sudd, Upper White Nile River, Anglo-Egyptian Sudan, as seen from a steamboat. Birds are cattle egrets.