

the angry bees; cautiously emerging from their sheets on the high road, the first person they encountered was their Colonel and his family driving to Church. The finale may be imagined!

I have always been fond of sleeping out during the hot weather, *sub Jove frigido*, or rather *torrido*, and used to have a sooráee (a porous earthen water bottle) capped by a tumbler, on the ground by my side.

One night I awoke to drink and, half awake, lifting the sooráee on to my naked knee proceeded to fill the tumbler. In a moment I felt as if a red hot poker had been freely applied to my knee, and, thinking that I had been stung by a snake, rushed into the house for a light, and a dose of sal volatile. I was now wide awake, and returned with the light to examine into matters, and then I found a large centipede coiled round the bottom of the sooráee, whither it had come for coolness or a drink, or both. It was six inches long. Judging from the size of the burn (for I bore the large red mark for many days), I inferred that I had not been bitten, but that the whole animal was acrid.

Peshawar

H. F. HUTCHINSON

### Spider's Web, New Caledonia

CONSUL LAYARD's account of the spiders' webs of the Polynesian Arachnids (NATURE, vol. xx. p. 456) reminds one of the colonial enthusiasm of certain fair ladies in Mauritius seventy years ago, previous to the capture of that island by General Abercrombie.

Throughout the Mascarene group are numerous species of *Araneidae*, among which *Epeira inaurata* and *E. mauricia* are pre-eminent, their bright yellow webs being conspicuously stretched between the pointed leaves of the agaves and prickly-pears. Taking advantage of these "grandes toiles verticales à fils jaunes, soyeux et susceptibles d'être travaillés; sous le gouverneur-général Decaen, les dames créoles de l'île de France tissèrent avec les fils de ces belles aranéides une paire de gants dont elles firent hommage à l'impératrice." S. P. OLIVER

October 5

### Change of Colour in Frogs

CAN any of your readers tell me if it is a fact that frogs change their colour before a change takes place in the weather?

A few days ago I was told at a village in Worcestershire, during heavy rain, that it would be fine to-morrow because a frog had been seen turning yellow. The fine weather came. I was informed that frogs become dark-coloured before wet weather sets in.

W. J. CHAMBERLAYNE

Junior United Service Club, September 30

["The changes which the colour of the frog undergoes both in intensity and hue from the variation of temperature, the presence and absence of light . . . although certainly much less striking and considerable, are scarcely less varied than those exhibited by the chameleon."—Bell, "British Reptiles."]

### SUBJECT-INDEXES TO TRANSACTIONS OF LEARNED SOCIETIES<sup>1</sup>

WE all remember the excellent paper read at the Oxford Conference by Mr. J. B. Bailey, librarian at the Radcliffe Library, upon the advantage of a subject-index to scientific periodicals. Mr. Bailey spoke with just praise of the splendid alphabetical catalogue issued by the Royal Society, but observed that from the nature of the case this is "nearly useless in making a bibliography of any given subject, unless one is familiar with the names of all the authors who have written thereon." This is manifestly the case. As an illustration both of the value and the deficiencies of the Royal Society's index, I may mention that while on the one hand it has enabled me to discover that my father, chiefly celebrated as a philologist, has written a paper on the curious and perplexing subject of the formation of ice at the bottoms of rivers, the existence of which was wholly unknown to his family, it does not, on the other

<sup>1</sup> By Richard Garnett, Superintendent of the Reading Room, British Museum. Read at the March monthly meeting of the Library Association of the United Kingdom. Contributed by the Author.

hand, assist me to ascertain, without a most tedious search, what other writers may have investigated the subject, or consequently how far his observations are in accordance with theirs. Multiply my little embarrassment by several hundred thousand, and you will have some idea of the amount of ignorance which the classified index suggested by Mr. Bailey would enlighten. We may well believe that the only objection he has heard alleged is the magnitude of the undertaking, and must sympathise with his conviction that, granting this, it still ought not to be put aside merely because it is difficult. I hope to point out, however, that so far as concerns the scientific papers, to which alone Mr. Bailey's proposal relates, the difficulty has been over-estimated, that the literary compilation need encounter no serious obstacle, and that the foundation might be laid in a short time by a single competent workman, such as Mr. Bailey himself. Of an index to literary papers I shall speak subsequently; and, there, I must acknowledge, the difficulties are much more formidable. But as regards scientific papers, it appears to me that the only considerable impediment is the financial. When the others are overcome, then, and not till then, we shall be in a favourable position for overcoming this also. The reason why the formation of a classified index to scientific papers is comparatively easy, is that the groundwork has been already provided by the alphabetical index of the Royal Society. We have the titles of all scientific papers from 1800 to 1865 before us, and shall soon have them to 1873. Though it might be interesting, it is not essential to go further back. We have now to consider how best to distribute this alphabetical series into a number of subject-indexes. To take the first step we merely require a little money (the first condition of success in most undertakings), and some leisure on the part of a gentleman competent to distinguish the grand primary divisions of scientific research from each other, and avoid the errors which cataloguers have been known to commit in classing the star-fish with constellations, and confusing Plato the philosopher with Plato a volcano in the moon. I need only say that very many of our body would bring far more than this necessary minimum of scientific knowledge to the task. I may instance Mr. Bailey himself. The money would be required to procure two copies of the alphabetical index (which, however, the Royal Society would very likely present), and to pay an assistant for cutting these two copies up into strips, each strip containing a single entry of a scientific paper, and pasting the same upon cardboard. It would be necessary to have two copies of the alphabetical catalogue, as this is printed on both sides of the paper; and as the name of the writer is not repeated at the head of each of his contributions, and would therefore have to be written on the card, close supervision would be required, or else a very intelligent workman. When this was done, the entire catalogue would exist upon cards, in a movable form instead of an immovable. The work of the arranger or arrangers would now begin. All that he or they would have to do would be to write somewhere upon the card, say in the left hand upper corner, the name of the broad scientific division, such as astronomy, meteorology, geology, to which the printed title pasted upon the card appertained, and to put each into a box appropriated to its special subject, preserving the alphabetical order of each division. We should then have the classed index already in the rough, at a very small relative expenditure of time, money, and labour. For the purposes of science, however, a more minute subdivision would be necessary. Here the functions of our Council would come into play, and it would have a great opportunity of demonstrating its usefulness as an organising body by inducing, whether by negotiation with individuals or with scientific corporations like the Royal Society, competent men of science to undertake the task of classifying the papers relating to