

Cripps's Corner. Forest Row - Sussex. 16.1.29

My dear Fisher.

I thought you would like Galton's letter, and am glad you have a copy.

As to Bateson, if I had to write, I should write something like the following. But I am not well up in what he did do, and may well blunder, as I think I certainly shake about what I want to say later. I have not got "Darwinism".

"In the future the great merit of Mendelism will be seen to rest on the ^{explanation} proof that the ingredients of the germ plasma on which heredity depends are located in pairs in each organism, one of each pair selected by chance disappearing at each sexual union. On this fact a rational system of evolution can be based, and it is, therefore, of enormous importance. The merit for this discovery must mainly rest with Mendel, whilst amongst our countrymen, Bateson played the leading part in its ^{and adjustment} rediscovery. Unfortunately he was ^{unfortunate} unable to grasp the mathematical or statistical aspects of biology, and from this and other causes, he was not only incapable of framing an evolutionary theory himself, but entirely failed to see how Mendelism supplied the missing parts of the structure first erected by Darwin. Nothing but ^{his interpretation of} ~~has~~ ^{has} ~~been~~ ^{been} ~~known~~ ^{known}

allotomorphs appeared in the same individual?
It seems to me one needs somehow to have
concurrent variance in the different things
which have to be simultaneously altered by
natural selection. If the variance comes
from added genes, and not allotomorphs, I do
not see it makes things easier. Now I am
nearly sure I have gone off the track
somewhere, but it seemed fair to put down
what is in my mind.

Take the series of horse like animals,
illustrated at New York. Here is a long series,
all in a sense admirably adapted to their
environments, and yet a slow progressive change
apparently always going on. This was the sort
of fact needing explanation which I had in
my mind in my article & correcting letter
in our review. I think it should be kept
well in view.

Did you notice in today's papers the
tragic instance of the identical behaviour
of identical twins?

Yours sincerely,

Leland Dawson

21st. January 1939.

Major Leonard Darwin,
Cripps's Corner,
Forest Row,
Sussex.

Dear Major Darwin,

Many thanks for the note on Bateson, it puts the point admirably, and though I have already altered the wording somewhat, it seems to me just what was wanted.

The only thing to do is to commend Bateson's enthusiasm for genetics, without saying, which would rather comfort my conscience "while greatly retarding its progress in his own country". But it is difficult to be sure. How far did he alienate the better biologists, e.g. Poulton, Goodrich, from Genetics, and how much did it matter? I wish one could deal frankly with peoples' ideas without seeming to asperse their august persons, but then a man's value as a man of Science lies in his contribution to Science.

I have just been reading Samuel Butler's "Luck or Cunning"; what a malignant knave he must have been, yet Bateson borrowed his sneers and quoted his opinions.

Yours sincerely,