

Cripps's Comu. Fred-Ros. Sisson.

Apr. 13. 29

My dear Fisher

I can now answer your two letters, and I will take the last point first. I think Lancaster's suggestion is excellent. I had forgotten that you included it. I suspect it was at the base of my mind when I wrote. There are other points which may come in, which I only mention for my own amusement. You try finding your way about in a dark room in competition with a blind man and you will be hopelessly beaten. Blindness may possibly be an advantage in some circumstances, & thus selected. I can imagine a strange mutation which gave the fish sore eyes in the breeding season, making it seek a cave at that time. If, in the cave, conditions were such that it could not produce offspring, it would be unselectable. If previously unoccupied, it might produce many more, and thus have a great advantage ^{on emerging} over the outside fish, which can only produce 2 ^{fertile} on the average. Hence there would be a selective advantage to fish willing to penetrate the cave for part of the year. This is an example of the law that "natural selection chooses a vacuum". Am I quoting the Origin of Species, I wonder?

Then as to my old friend free will, I am

afraid you don't help me. Eddington says we
 can predict an average because it is an
 average. I don't agree. Take ² squads of men
 firing at a target. The first lot's shots centre
 round a spot X, which is not the centre of the
 target. Why do we predict that the second squad's
 shots will centre round X? Because the aim of
 every man ^{in both cases} is correlated with C., the centre of
 the target. It is not easy to do with the mere
 fact of its being an average. It is a statement
 of a probability, and it necessitates a
 rigidly fixed ~~probability~~ correlation. If the
 men had free will in the second squad as
 to where to aim, your law of probability would
 help you not at all in deciding where the
 shots would centre round. If the first
 squad represents the parent and the second
 the offspring, you must assume the same
 fixed correlation in the 2 cases, if there is
 to be heredity transmission. There may be no
 "gony behind the quonads", but there must be
 this fixed correlation, which is inconsistent
 with the one man having any free will
 relative to the other. You do not seem to
 me to get over the fact that determinism is
 a necessary postulate of science, or to help.

shots

which
 bears a
 fixed
 relation
 to X.

me in believing this at the same time as
free will. Possibly I misunderstood about
probabilities, but so far it seems that a
probability needs a forced conclusion.
If the conclusion is due to something internal
to the mind, I cannot see that that helps.
In so far as the choice is arbitrary, it
cannot be unforced, or forced.

Then as to my father's view. I
doubt if I did or stress what I said in
Organic Evolution, for I did not then realize
the effect of the pressure to make some
necessary natural selection. What you
propose now to say seems to me quite
correct, i.e. "could not be properly discussed...".
You leave out the word "importance", which
I believe constantly leads us into trouble,
not being defined. Looking to the future we
might say that the discovery of the methods of
evolution are ~~not~~ for greater importance now
than the fact of evolution. But it would be
hard to say exactly what was meant. Perhaps
it would imply that the fact of evolution was
firmly established. If that is not admitted,
then we should say that the loss of a belief
in evolution would be a more important

catastrophically than the loss of a belief in
natural selection, the whole being greater than
the part -

I wonder if you can read all this
which is ratherly written -

Hope the family keeps flourishing

Yours sincerely,

Lemna Dawson
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