## CHAPTER 2 Proof of an External World

#### G. E. Moore

It seems to me that, so far from its being true, as Kant declares to be his opinion, that there is only one possible proof of the existence of things outside of us, namely the one which he has given, I can now give a large number of different proofs, each of which is a perfectly rigorous proof; and that at many other times I have been in a position to give many others. I can prove now, for instance, that two human hands exist. How? By holding up my two hands, and saying, as I make a certain gesture with the right hand, "Here is one hand", and adding, as I make a certain gesture with the left, "and here is another". And if, by doing this, I have proved ipso facto the existence of external things, you will all see that I can also do it now in numbers of other ways: there is no need to multiply examples.

But did I prove just now that two human hands were then in existence? I do want to insist that I did; that the proof which I gave was a perfectly rigorous one; and that it is perhaps impossible to give a better or more rigorous proof of anything whatever. Of course, it would not have been a proof unless three conditions were satisfied; namely (1) unless the premiss which I adduced as proof of the conclusion was different from the conclusion I adduced it to prove; (2) unless the premiss which I adduced was something which I *knew* to be the case, and not merely something which I believed but which was by no means certain, or something which, though in fact true, I did not know to be so; and (3) unless the conclusion did really follow from the premiss. But all these three conditions were in fact satisfied by my proof. (1) The premiss which I adduced in proof was quite certainly different from the conclusion, for the conclusion was merely "Two human hands exist at this moment"; but the premiss was something far more specific than this -- something which I expressed by showing you my hands, making certain gestures, and saying the words "Here is one hand, and here is another". It is quite obvious that the two were different, because it is quite obvious that the conclusion might have been true, even if the premiss had been false. In asserting the premiss I was asserting much more than I was asserting in asserting the conclusion. (2) I certainly did at the moment know that which I expressed by the combination of certain gestures with saying the words "Here is one hand and here is another". I knew that there was one hand in the place indicated by combining a certain gesture with my first utterance of "here" and that there was another in the different place indicated by combining a certain gesture with my second utterance of "here". How absurd it would be to suggest that I did not know it, but only believed it, and that perhaps it was not the case! You might as well suggest that I do not know that I am now standing up and talking - that perhaps after all I'm not, and that it's not quite certain that

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I am! And finally (3) it is quite certain that the conclusion did follow from the premiss. This is as certain as it is that if there is one hand here and another here *now*, then it follows that there are two hands in existence *now*.

My proof, then, of the existence of things outside of us did satisfy three of the conditions necessary for a rigorous proof. Are there any other conditions necessary for a rigorous proof, such that perhaps it did not satisfy one of them? Perhaps there may be; I do not know; but I do want to emphasise that, so far as I can see, we all of us do constantly take proofs of this sort as absolutely conclusive proofs of certain conclusions - as finally settling certain questions, as to which we were previously in doubt. Suppose, for instance, it were a question whether there were as many as three misprints on a certain page in a certain book. A says there are, B is inclined to doubt it. How could A prove that he is right? Surely he could prove it by taking the book, turning to the page, and pointing to three separate places on it, saying "There's one misprint here, another here, and another here": surely that is a method by which it might be proved! Of course, A would not have proved, by doing this, that there were at least three misprints on the page in question, unless it was certain that there was a misprint in each of the places to which he pointed. But to say that he might prove it in this way, is to say that it might be certain that there was. And if such a thing as that could ever be certain, then assuredly it was certain just now that there was one hand in one of the two places I indicated and another in the other.

I did, then, just now, give a proof that there were *then* external objects; and obviously, if I did, I could *then* have given many other proofs of the same sort that there were external objects *then*, and could now give many proofs of the same sort that there are external objects *now*.

But, if what I am asked to do is to prove that external objects have existed *in the past*, then I can give many different proofs of this also, but proofs which are in important respects of a different *sort* from those just given. And I want to emphasise that, when Kant says it is a scandal not to be able to give a proof of the existence of external objects, a proof of their existence in the past would certainly *help* to remove the scandal of which he is speaking. He says that, if it occurs to anyone to question their existence, we ought to be able to confront him with a satisfactory proof. But by a person who questions their existence, he certainly means not merely a person who questions whether any exist at the moment of speaking, but a person who questions whether any have ever existed; and a proof that some have existed in the past would certainly therefore be relevant to part of what such a person is questioning. How then can I prove that there have been external objects in the past? Here is one proof. I can say: "I held up two hands above this desk not very long ago; therefore two hands existed not very long ago; therefore at least two external objects have existed at some time in the past, QED". This is a perfectly good proof, provided I know what is asserted in the premiss. But I do know that I held up two hands above this desk not very long ago. As a matter of fact, in this case you all know it too. There's no doubt whatever that I did. Therefore I have given a perfectly conclusive proof that external objects have existed in the past; and you will all see at once that, if this is a conclusive proof, I could have given many others of the same sort, and could now give many others. But it is also quite obvious that this sort of proof differs in important respects from the sort of proof I gave just now that there were two hands existing then.

I have, then, given two conclusive proofs of the existence of external objects. The first was a proof that two human hands existed at the time when I gave the proof; the second was a proof that two human hands had existed at a time previous to that at which I gave the proof. These proofs were of a different sort in important respects. And I pointed out that I could have given, then, many other conclusive proofs of both sorts. It is also obvious that I could give many others of both sorts now. So that, if these are the sort of proof that is wanted, nothing is easier than to prove the existence of external objects.

But now I am perfectly well aware that, in spite of all that I have said, many philosophers will still feel that I have not given any satisfactory proof of the point in question. And I want briefly, in conclusion, to say something as to why this dissatisfaction with my proofs should be felt.

One reason why, is, I think, this. Some people understand "proof of an external world" as including a proof of things which I haven't attempted to prove and haven't proved. It is not quite easy to say what it is that they want proved – what it is

that is such that unless they got a proof of it, they would not say that they had a proof of the existence of external things; but I can make an approach to explaining what they want by saying that if I had proved the propositions which I used as premisses in my two proofs, then they would perhaps admit that I had proved the existence of external things, but, in the absence of such a proof (which, of course, I have neither given nor attempted to give), they will say that I have not given what they mean by a proof of the existence of external things. In other words, they want a proof of what I assert now when I hold up my hands and say "Here's one hand and here's another"; and, in the other case, they want a proof of what I assert now when I say "I did hold up two hands above this desk just now". Of course, what they really want is not merely a proof of these two propositions, but something like a general statement as to how any propositions of this sort may be proved. This, of course, I haven't given; and I do not believe it can be given: if this is what is meant by proof of the existence of external things, I do not believe that any proof of the existence of external things is possible. Of course, in some cases what might be called a proof of propositions which seem like these can be got. If one of you suspected that one of my hands was artificial he might be said to get a proof of my proposition "Here's one hand, and here's another", by coming up and examining the suspected hand close up, perhaps touching and pressing it, and so establishing that it really was a human hand. But I do not believe that any proof is possible in nearly all cases. How am I to prove now that "Here's one hand, and here's another"? I do not believe I can do it. In order to do it, I should need to prove for one thing, as Descartes pointed out, that I am not now dreaming. But how can I prove that I am not? I have, no doubt, conclusive reasons for asserting that I am not now dreaming; I have conclusive evidence that I am awake: but that is a very different thing from being able to prove it. I could not tell you what all my evidence is; and I should require to do this at least, in order to give you a proof.

But another reason why some people would feel dissatisfied with my proofs is, I think, not merely that they want a proof of something which I haven't proved, but that they think that, if I cannot give such extra proofs, then the proofs that I have given are not conclusive proofs at all. And this, I think, is a definite mistake. They would say: "If you cannot prove your premiss that here is one hand and here is another, then you do not know it. But you yourself have admitted that, if you did not know it, then your proof was not conclusive. Therefore your proof was not, as you say it was, a conclusive proof." This view that, if I cannot prove such things as these, I do not know them, is, I think, the view that Kant was expressing in the sentence which I quoted at the beginning of this lecture, when he implies that so long as we have no proof of the existence of external things, their existence must be accepted merely on faith. He means to say, I think, that if I cannot prove that there is a hand here, I must accept it merely as a matter of faith - I cannot know it. Such a view, though it has been very common among philosophers, can, I think, be shown to be wrong - though shown only by the use of premisses which are not known to be true, unless we do know of the existence of external things. I can know things, which I cannot prove; and among things which I certainly did know, even if (as I think) I could not prove them, were the premisses of my two proofs. I should say, therefore, that those, if any, who are dissatisfied with these proofs merely on the ground that I did not know their premisses, have no good reason for their dissatisfaction.

# CHAPTER 3 Four Forms of Scepticism

#### G. E. Moore

We pass next to the argument: "Descartes's malicious demon is a logical possibility." This is obviously quite different from both the two preceding. Russell does not say that any percepts are produced by Descartes's malicious demon; nor does he mean that it is practically or theoretically possible for Descartes's malicious demon to produce in me percepts like this, in the sense in which it is (perhaps) practically possible that a conjurer should, and theoretically possible that a physiologist should by stimulating the optic nerve. He only says it is a logical possibility. But what exactly does this mean? It is, I think, an argument which introduces quite new considerations, of which I have said nothing so far, and which lead us to the root of the difference between Russell and me. I take it that Russell is here asserting that it is logically possible that this particular percept of mine, which I think I know to be associated with a percept belonging to someone else, was in fact produced in me by a malicious demon when there was no such associated percept: and that, therefore, I cannot know for certain what I think I know. It is, of course, being assumed that, if it was produced by a malicious demon, then it follows that it is not associated with a percept belonging to someone else, in the way in which I think I know it is: that is how the phrase "was produced by a malicious demon" is being used. The questions we have to consider are, then, simply

these three: What is meant by saying that it is *logically possible* that this percept was produced by a malicious demon? Is it *true* that this is logically possible? And: If it is true, does it follow that I don't know for certain that it was *not* produced by a malicious demon?

Now there are three different things which might be meant by saying that this proposition is logically possible. The first is that it is not a selfcontradictory proposition. This I readily grant. But from the mere fact that it is not self-contradictory, it certainly does not follow that I don't know for certain that it is false. This Russell grants. He holds that I do know for certain to be false, propositions about my percepts which are not self-contradictory. He holds, for instance, that I do know for certain that there is a white visual percept now; and yet the proposition that there isn't is certainly not self-contradictory.

He must, therefore, in his argument, be using "logically possible" in some other sense. And one sense in which it might naturally be used is this: Not logically incompatible with anything that I know. If, however, he were using it in this sense, he would be simply begging the question. For the very thing I am claiming to know is that this percept was *not* produced by a malicious demon: and of course the proposition that it was produced by a malicious demon *is* incompatible with the proposition that it was *not*.

There remains one sense, which is, I think, the sense in which he is actually using it. Namely he is

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saying: The proposition "This percept was produced by a malicious demon" is not logically incompatible with anything you know immediately. And if this is what he means, I own that I think Russell is right. This is a matter about which I suppose many philosophers would disagree with us. There are people who suppose that I do know immediately, in certain cases, such things as: That person is conscious; at least, they use this language, though whether they mean exactly what I am here meaning by "know immediately" may be doubted. I can, however, not help agreeing with Russell that I never do know immediately that that person is conscious, nor anything else that is logically incompatible with "This percept was produced by a malicious demon." Where, therefore, I differ from him is in supposing that I do know for certain things which I do not know immediately and which also do not follow logically from anything which I do know immediately.

This seems to me to be the fundamental question at issue in considering my classes (3) and (4) and what distinguishes them from cases (1) and (2). I think I do know immediately things about myself and such things as "There was a sound like 'Russell' a little while ago" - that is, I think that memory is *immediate* knowledge and that much of my knowledge about myself is immediate. But I cannot help agreeing with Russell that I never know immediately such a thing as "That person is conscious" or "This is a pencil," and that also the truth of such propositions never follows logically from anything which I do know immediately, and yet I think that I do know such things for certain. Has he any argument for his view that if their falsehood is *logically possible* (i.e. if I do not know immediately anything logically incompatible with their falsehood) then I do not know them for certain? This is a thing which he certainly constantly assumes; but I cannot find that he anywhere gives any distinct arguments for it.

So far as I can gather, his reasons for holding it are the two assumptions which he expresses when he says: "If (I am to reject the view that my life is one long dream) I must do so on the basis of an analogical or inductive argument, which cannot

give complete certainty."1 That is to say he assumes: (1) My belief or knowledge that this is a pencil is, if I do not know it immediately, and if also the proposition does not follow logically from anything that I know immediately, in some sense "based on" an analogical or inductive argument; and (2) What is "based on" an analogical or inductive argument is never certain knowledge, but only more or less probable belief. And with regard to these assumptions, it seems to me that the first must be true in some sense or other, though it seems to me terribly difficult to say exactly what the sense is. What I am inclined to dispute, therefore, is the second: I am inclined to think that what is "based on" an analogical or inductive argument, in the sense in which my knowledge or belief that this is a pencil is so, may nevertheless be certain knowledge and not merely more or less probable belief.

What I want, however, finally to emphasize is this: Russell's view that I do not know for certain that this is a pencil or that you are conscious rests, if I am right, on no less than four distinct assumptions: (1) That I don't know these things immediately; (2) That they don't follow logically from any thing or things that I do know immediately; (3) That, if(1) and (2) are true, my belief in or knowledge of them must be "based on an analogical or inductive argument"; and (4) That what is so based cannot be certain knowledge. And what I can't help asking myself is this: Is it, in fact, as certain that all these four assumptions are true, as that I do know that this is a pencil and that you are conscious? I cannot help answering: It seems to me more certain that I do know that this is a pencil and that you are conscious, than that any single one of these four assumptions is true, let alone all four. That is to say, though, as I have said, I agree with Russell that (1), (2) and (3) are true; yet of no one even of these three do I feel as certain as that I do know for certain that this is a pencil. Nay more: I do not think it is rational to be as certain of any one of these four propositions, as of the proposition that I do know that this is a pencil. And how on earth is it to be decided which of the two things it is rational to be most certain of?

Note

<sup>1</sup> Bertrand Russell, An Outline of Philosophy (Allen & Unwin: London, 1927), p. 218.

### CHAPTER 4

### Certainty

#### G. E. Moore

Suppose I say: "I know for certain that I am standing up; it is absolutely certain that I am; there is not the smallest chance that I am not." Many philosophers would say: "You are wrong: you do not know that you are standing up; it is not absolutely certain that you are; there is some chance, though perhaps only a very small one, that you are not." And one argument which has been used as an argument in favour of saying this, is an argument in the course of which the philosopher who used it would assert: "You do not know for certain that you are not dreaming; it is not absolutely certain that you are not; there is some chance, though perhaps only a very small one, that you are." And from this, that I do not know for certain that I am not dreaming, it is supposed to follow that I do not know for certain that I am standing up. It is argued: If it is not certain that you are not dreaming, then it is not certain that you are standing up. And that if I don't know that I'm not dreaming, I also don't know that I'm not sitting down, I don't feel at all inclined to dispute. From the hypothesis that I am dreaming, it would, I think, certainly follow that I don't know that I am standing up; though I have never seen the matter argued, and though it is not at all clear to me how it is to be proved that it would follow. But, on the other hand, from the hypothesis that I am dreaming,

it certainly would not follow that I am not standing up; for it is certainly logically possible that a man should be fast asleep and dreaming, while he is standing up and not lying down. It is therefore logically possible that I should both be standing up and also at the same time dreaming that I am; just as the story, about a well-known Duke of Devonshire, that he once dreamt that he was speaking in the House of Lords and, when he woke up, found that he was speaking in the House of Lords, is certainly logically possible. And if, as is commonly assumed, when I am dreaming that I am standing up it may also be correct to say that I am thinking that I am standing up, then it follows that the hypothesis that I am now dreaming is quite consistent with the hypothesis that I am both thinking that I am standing up and also actually standing up. And hence, if as seems to me to be certainly the case and as this argument assumes, from the hypothesis that I am now dreaming it would follow that I don't know that I am standing up, there follows a point which is of great importance with regard to our use of the word "knowledge" and therefore also of the word "certainly" - a point which has been made quite conclusively more than once by Russell, namely that from the conjunction of the two facts that a man thinks that a given proposition p is true, and that p is in fact true, it does *not* follow that the man in question knows that p is true: in order that I may be justified in saying that I know that I am standing up, something more is required than the

From G. E. Moore, *Philosophical Papers* (New York: Collier Books, 1962), pp. 240–6.

mere conjunction of the two facts that I both think I am and actually am - as Russell has expressed it, true belief is not identical with knowledge; and I think we may further add that even from the conjunction of the two facts that I feel certain that I am and that I actually am it would not follow that I know that I am, nor therefore that it is certain that I am. As regards the argument drawn from the fact that a man who dreams that he is standing up and happens at the moment actually to be standing up will nevertheless not know that he is standing up, it should indeed be noted that from the fact that a man is dreaming that he is standing up, it certainly does not follow that he thinks he is standing up; since it does sometimes happen in a dream that we think that it is a dream, and a man who thought this certainly might, although he was dreaming that he was standing up, yet think that he was not, although he could not know that he was not. It is not therefore the case, as might be hastily assumed, that, if I dream that I am standing up at a time when I am in fact lying down, I am necessarily deceived: I should be deceived only if I thought I was standing when I wasn't; and I may dream that I am, without thinking that I am. It certainly does, however, often happen that we do dream that soand-so is the case, without at the time thinking that we are only dreaming; and in such cases, I think we may perhaps be said to *think* that what we dream is the case is the case, and to be deceived if it is not the case; and therefore also, in such cases, if what we dream to be the case happens also to be the case, we may be said to be thinking truly that it is the case, although we certainly do not know that it is.

I agree, therefore, with that part of this argument which asserts that if I don't know now that I'm not dreaming, it follows that I don't *know* that I am standing up, even if I both actually am and think that I am. But this first part of the argument is a consideration which cuts both ways. For, if it is true, it follows that it is also true that if I *do* know that I am standing up, then I do know that I am not dreaming. I can therefore just as well argue: since I do know that I'm standing up, it follows that I do know that I'm not dreaming; as my opponent can argue: since you don't know that you're not dreaming, it follows that you don't know that you're standing up. The one argument is just as good as the other, unless my opponent can give better reasons for asserting that I don't know that I'm not dreaming, than I can give for asserting that I do know that I am standing up.

What reasons can be given for saying that I don't know for certain that I'm not at this moment dreaming?

I do not think that I have ever seen clearly stated any argument which is supposed to show this. But I am going to try to state, as clearly as I can, the premisses and the reasonings from them, which I think have led so many philosophers to suppose that I really cannot now know for certain that I am not dreaming.

I said, you may remember, in talking of the seven assertions with which I opened this lecture, that I had "the evidence of my senses" for them, though I also said that I didn't think this was the only evidence I had for them, nor that this by itself was necessarily conclusive evidence. Now if I had then "the evidence of my senses" in favour of the proposition that I was standing up, I certainly have now the evidence of my senses in favour of the proposition that I am standing up, even though this may not be all the evidence that I have, and may not be conclusive. But have I, in fact, the evidence of my senses at all in favour of this proposition? One thing seems to me to be quite clear about our use of this phrase, namely, that, if a man at a given time is only dreaming that he is standing up, then it follows that he has not at that time the evidence of his senses in favour of that proposition: to say "Jones last night was only dreaming that he was standing up, and yet all the time he had the evidence of his senses that he was" is to say something self-contradictory. But those philosophers who say it is possible that I am now dreaming, certainly mean to say also that it is possible that I am only dreaming that I am standing up; and this view, we now see, entails that it is possible that I have not the evidence of my senses that I am. If, therefore, they are right, it follows that it is not certain even that I have the evidence of my senses that I am: it follows that it is not certain that I have the evidence of my senses for anything at all. If, therefore, I were to say now, that I certainly have the evidence of my senses in favour of the proposition that I am standing up, even if it's not certain that I am standing up, I should be begging the very question now at issue. For if it is not certain that I am not dreaming, it is not certain that I even have the evidence of my senses that I am standing up.

But, now, even if it is not certain that I have at this moment the evidence of my senses for anything at all, it is quite certain that I either have the evidence of my senses that I am standing up or have an experience which is very like having the evidence of my senses that I am standing up. If I am dreaming, this experience consists in having dream-images which are at least very like the sensations I should be having if I were awake and had the sensations, the having of which would constitute "having the evidence of my senses" that I am standing up. Let us use the expression "sensory experience," in such a way that this experience which I certainly am having will be a "sensory experience," whether or not it merely consists in the having of dream-images. If we use the expression "sensory experience" in this way, we can say, I think, that, if it is not certain that I am not dreaming now, then it is not certain that all the sensory experiences I am now having are not mere dream-images.

What then are the premisses and the reasonings which would lead so many philosophers to think that all the sensory experiences I am having now *may* be mere dream-images – that I do not know for certain that they are not?

So far as I can see, one premiss which they would certainly use would be this: "Some at least of the sensory experiences which you are having now are similar in important respects to dreamimages which actually have occurred in dreams." This seems a very harmless premiss, and I am quite willing to admit that it is true. But I think there is a very serious objection to the procedure of using it as a premiss in favour of the derived conclusion. For a philosopher who does use it as a premiss, is, I think, in fact implying, though he does not expressly say, that he himself knows it to be true. He is *implying* therefore that he himself knows that dreams have occurred. And, of course, I think he would be right. All the philosophers I have ever met or heard of certainly did know that dreams have occurred: we all know that dreams have occurred. But can he consistently combine this proposition that he knows that dreams have occurred, with his conclusion that he does not know that he is not dreaming? Can anybody possibly know that dreams have occurred, if, at the time, he does not himself know that he is not dreaming? If he is dreaming, it may be that he is only dreaming that dreams have occurred; and if he does not know that he is not dreaming, can he possibly know that he is *not* only dreaming that dreams have occurred? Can he possibly know therefore that dreams *have* occurred? I do not think that he can; and therefore I think that anyone who uses this premiss and also asserts the conclusion that nobody ever knows that he is not dreaming, is guilty of an inconsistency. By using this premiss he implies that he himself knows that dreams have occurred; while, if his conclusion is true, it follows that he himself does not know that he is not dreaming, and therefore does not know that he is not only dreaming that dreams have occurred.

However, I admit that the premiss is true. Let us now try to see by what sort of reasoning it might be thought that we could get from it to the conclusion.

I do not see how we can get forward in that direction at all, unless we first take the following huge step, unless we say, namely: since there have been dream-images similar in important respects to some of the sensory experiences I am now having, it is logically possible that there should be dream-images exactly like all the sensory experiences I am now having, and logically possible, therefore, that all the sensory experiences I am now having are mere dream-images. And it might be thought that the validity of this step could be supported to some extent by appeal to matters of fact, though only, of course, at the cost of the same sort of inconsistency which I have just pointed out. It might be said, for instance, that some people have had dream-images which were *exactly* like sensory experiences which they had when they were awake, and that therefore it must be logically possible to have a dream-image exactly like a sensory experience which is not a dreamimage. And then it may be said: If it is logically possible for some dream-images to be exactly like sensory experiences which are not dream-images, surely it must be logically possible for all the dream-images occurring in a dream at a given time to be exactly like sensory experiences which are not dream-images, and logically possible also for all the sensory experiences which a man has at a given time when he is awake to be exactly like all the dream-images which he himself or another man had in a dream at another time.

Now I cannot see my way to deny that it is logically possible that all the sensory experiences

I am having now should be mere dream-images. And if this is logically possible, and if further the sensory experiences I am having now were the only experiences I am having, I do not see how I could possibly know for certain that I am not dreaming.

But the conjunction of my memories of the immediate past with these sensory experiences *may* be sufficient to enable me to know that I am not dreaming. I say it *may* be. But what if our sceptical philosopher says: It is *not* sufficient; and offers as an argument to prove that it is not, this: It is logically possible *both* that you should be having all the sensory experiences you are having, and also that you should be remembering what you do remember, and *yet* should be dreaming. If this *is* logically possible, then I don't see how to deny that I cannot possibly know for certain that I am not dreaming: I do not see that I possibly could. But can any reason be given for saying that it *is* logically possible? So far as I know nobody ever has, and I don't know how anybody ever could. And so long as this is not done my argument, "I know that I am standing up, and therefore I know that I am not dreaming," remains at least as good as his, "You don't know that you are not dreaming, and therefore don't know that you are standing up." And I don't think I've ever seen an argument expressly directed to show that it is not.

One final point should be made clear. It is certainly logically possible that I should have been dreaming now; I might have been dreaming now; and therefore the proposition that I am dreaming now is not self-contradictory. But what I am in doubt of is whether it is logically possible that I should both be having all the sensory experiences and the memories that I have and yet be dreaming. The conjunction of the proposition that I have these sense experiences and memories with the proposition that I am dreaming does seem to me to be very likely self-contradictory.