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willed that I be deceived in this way, for he is said to be supremely good. Nonetheless, if it were repugnant to his goodness to have created me such that I be deceived all the time, it would also seem foreign to that same goodness to permit me to be deceived even occasionally. But we cannot make this last assertion.

Perhaps there are some who would rather deny so a powerful a God than believe that everything else is uncertain. Let us not oppose them; rather, let us grant that everything said here about God is fictitious. Now they suppose that I came to be what I am either by fate, or by chance, or by a connected chain of events, or by some other way. But because being deceived and being mistaken appear to be a certain imperfection, the less powerful they take the author of my origin to be, the more probable it will be that I am so imperfect that I am always deceived. I have nothing to say in response to these arguments. But eventually I am forced to admit that there is nothing among the things I once believed to be true which it is not permissible to doubt—and not out of frivolity or lack of forethought, but for valid and considered reasons. Thus I must be no less careful to withhold assent henceforth even from these beliefs than I would from those that are patently false, if I wish to find anything certain.

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since I am now concentrating only on knowledge, not on action. as if with prejudices weighing down each side equally, no bad habit should probable, so that it is much more consonant with reason to believe them steps to keep myself mindful of them. For long-standing opinions keep procedure, and that it is impossible for me to indulge in too much distrust, indeed I know that meanwhile there is no danger or error in following this turn my judgment any further from the correct perception of things. For for a time that these opinions are wholly false and imaginary, until finally, myself by turning my will in completely the opposite direction and pretend than to deny them. Hence, it seems to me I would do well to deceive respects doubtful, as has just now been shown, but nevertheless highly them, so long as I take them to be exactly what they are, namely, in some Nor will I ever get out of the habit of assenting to them and believing in as if it were bound over to them by long use and the claims of intimacy. returning, and, almost against my will, they take advantage of my credulity, But it is not enough simply to have realized these things; I must take

Accordingly, I will suppose not a supremely good God, the source of truth, but rather an evil genius, supremely powerful and clever, who has directed his entire effort at deceiving me. I will regard the heavens, the air, the earth, colors, shapes, sounds, and all external things as nothing but the bedeviling hoaxes of my dreams, with which he lays snares for my

of the difficulties now brought forward. spent thenceforward not in the light but among the mextricable shadows and even if it is not within my power to know anything true, it certainly is all these things. I will remain resolute and steadfast in this meditation, lest the toilsome wakefulness which follows upon a peaceful rest must be back of my own accord into my old opinions, and dread being awakened, lantly conspires with these pleasant illusions. In just the same way, I fall begins to suspect that he is dreaming, fears being awakened and nonchawho enjoyed an imaginary freedom during his sleep, but, when he later brings me back to my customary way of living. I am not unlike a prisoner any effect on me. But this undertaking is arduous, and a certain laziness false, lest this deceiver, however powerful, however clever he may be, have within my power to take care resolutely to withhold my assent to what is blood, or any senses, but as nevertheless falsely believing that I possess credulity. I will regard myself as not having hands, or eyes, or flesh, or 23

MEDITATION Two: Concerning the Nature of the Human Mind: That It Is Better Known Than the Body

Yesterday's meditation has thrown me into such doubts that I can no longer ignore them, yet I fail to see how they are to be resolved. It is as if I had suddenly fallen into a deep whirlpool; I am so tossed about that I can neither touch bottom with my foot, nor swim up to the top. Nevertheless I will work my way up and will once again attempt the same path I entered upon yesterday. I will accomplish this by putting aside everything that admits of the least doubt, as if I had discovered it to be completely false. I will stay on this course until I know something certain, or, if nothing else, until I at least know for certain that nothing is certain. Archimedes sought but one firm and immovable point in order to move the entire earth from one place to another. Just so, great things are also to be hoped for if I succeed in finding just one thing, however slight, that is certain and unshaken.

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Therefore I suppose that everything I see is false. I believe that none of what my deceifful memory represents ever existed. I have no senses whatever. Body, shape, extension, movement, and place are all chimeras. What then will be true? Perhaps just the single fact that nothing is certain.

But how do I know there is not something else, over and above all those things that I have just reviewed, concerning which there is not even the slightest occasion for doubt? Is there not some God, or by whatever name I might call him, who instills these very thoughts in me? But why would

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Am I not then at least something? But I have already denied that I have any senses and any body. Still I hesitate; for what follows from this? Am I so tied to a body and to the senses that I cannot exist without them? But I have persuaded myself that there is absolutely nothing in the world: no sky, no earth, no minds, no bodies. Is it then the case that I too do not exist? But doubtless I did exist, if I persuaded myself of something. But there is some deceiver or other who is supremely powerful and supremely sly and who is always deliberately deceiving me. Then too there is no doubt that I exist, if he is deceiving me. And let him do his best at deception, he will never bring it about that I am nothing so long as I shall think that I am something. Thus, after everything has been most carefully weighed, it must finally be established that this pronouncement "I am, I exist" is necessarily true every time I utter it or conceive it in my mind.

But I do not yet understand sufficiently what I am—I, who now necessarily exist. And so from this point on, I must be careful lest I unwittingly mistake something else for myself, and thus err in that very item of knowledge that I claim to be the most certain and evident of all. Thus, I will meditate once more on what I once believed myself to be, prior to embarking upon these thoughts. For this reason, then, I will set aside whatever can be weakened even to the slightest degree by the arguments but what is certain and unshaken.

to describe this nature such as I conceived it m my mind, I would have the impression that I knew its nature distinctly. Were I perhaps tempted a wind, or a fire, or ether, which had been infused into my coarser parts. I used to attribute to the soul. But as to what this soul might be, I either walked about, and that I sensed and thought various things; these actions members: the very same as are discerned in a corpse, and which I referred me to focus here on what came spontaneously and naturally into my What then did I use to think I was? A man, of course. But what is a man? Might I not say a "rational animal"? No, because then I would have But as to the body I was not in any doubt. On the contrary, I was under did not think about it or else I imagined it a rarified I-know-not-what, like to by the name "body." It next occurred to me that I took in food, that I that I had a face, hands, arms, and this entire mechanism of bodily thinking whenever I pondered what I was. Now it occurred to me first to inquire what "animal" and "rational" mean. And thus from one question free time that I want to waste it on subtleties of this sort. Instead, permit would slide into many more difficult ones. Nor do I now have enough

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described it thus: by "body," I understand all that is capable of being bounded by some shape, of being enclosed in a place, and of filling up a space in such a way as to exclude any other body from it; of being perceived by touch, sight, hearing, taste, or smell; of being moved in several ways, not, of course, by itself, but by whatever else impinges upon it. For it was my view that the power of self-motion, and likewise of sensing or of thinking, in no way belonged to the nature of the body. Indeed I used rather to marvel that such faculties were to be found in certain bodies.

said belong to the nature of the body? I focus my attention on them, I possess at least a small measure of all those things which I have already deliberately tries to fool me in any way he can? Can I not affirm that I powerful and, if I may be permitted to say so, malicious deceiver who alone cannot be separated from me. I am; I exist—this is certain. But for sense. What about thinking? Here I make my discovery: thought exists; it sensing? Surely this too does not take place without a body; and I seemed do not have a body, these are surely nothing but fictions. What about to the soul? What about being nourished or moving about? Since I now tired of repeating this to no purpose. But what about those things I ascribed think about them, I review them again, but nothing comes to mind. I am thing? I have said it already: a thinking thing. pass that if I were to cease all thinking I would then utterly cease to exist. how long? For as long as I am thinking; for perhaps it could also come to to have sensed in my dreams many things that I later realized I did not ignorant. Yet I am a true thing and am truly existing; but what kind of understanding, or reason-words of whose meanings I was previously precisely nothing but a thinking thing; that is, a mind, or intellect, or At this time I admit nothing that is not necessarily true. I am therefore But now what am I, when I suppose that there is some supremely 27

What else am I? I will set my imagination in motion. I am not that concatenation of members we call the human body. Neither am I even some subtle air infused into these members, nor a wind, nor a fire, nor a vapor, nor a breath, nor anything I devise for myself. For I have supposed these things to be nothing. The assumption still stands; yet nevertheless I am something. But is it perhaps the case that these very things which I take to be nothing, because they are unknown to me, nevertheless are in fact no different from that "me" that I know? This I do not know, and I will not quarrel about it now. I can make a judgment only about things that are known to me. I know that I exist; I ask now who is this "I" whom I know? Most certainly, in the strict sense the knowledge of this "I" does not depend upon things of whose existence I do not yet have knowledge.

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perceive its nature as distinctly as possible. to this knowledge that I have of myself. Moreover, I realize that I must be use my imagination in order to recognize more distinctly who I am," than most diligent about withdrawing my mind from these things so that it can realize that none of what I can grasp by means of the imagination pertains dreams might represent it to me more truly and more clearly." Thus I were I to say: "Now I surely am awake, and I see something true; but since this, I would seem to be speaking no less foolishly were I to say: "I will the body—could turn out to be nothing but dreams. Once I have realized all these images—and, generally, everything belonging to the nature of a corporeal thing. But I now know with certainty that I am and also that because imagining is merely the contemplating of the shape or image of would indeed be simulating were I to "imagine" that I was something, my imagination. But this word "simulate" warns me of my error. For I Therefore it is not dependent upon any of those things that I simulate in l do not yet see it clearly enough, I will deliberately fall asleep so that my

But what then am I? A thing that thinks. What is that? A thing that doubts, understands, affirms, denies, wills, refuses, and that also imagines and senses.

fact that I exist-even if I am always asleep or even if my creator makes is what in me is called "sensing." But this, precisely so taken, is nothing see, hear, and feel warmth. This cannot be false. Properly speaking, this before, absolutely nothing that I imagined is true, still the very power of it is also the same "I" who imagines; for although perhaps, as I supposed so obvious that it is I who doubt, I who understand, and I who will, that every effort to mislead me? Which of these things is distinct from my other than thinking. heat. These things are false, since I am asleep. Yet I certainly do seem to through the senses. For example, I now see a light, I hear a noise, I feel it is this same "I" who senses or who is cognizant of bodily things as if imagining really does exist, and constitutes a part of my thought. Finally, there is nothing by which it could be explained more clearly. But indeed thought? Which of them can be said to be separate from myself? For it is against my will, who also notices many things which appear to come from more, who wishes not to be deceived, who imagines many things even that this one thing is true, who denies other things, who desires to know almost everything, who nevertheless understands something, who affirms should they not belong to me? Is it not the very same "I" who now doubts the senses? What is there in all of this that is not every bit as true as the Indeed it is no small matter if all of these things belong to me. But why

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From these considerations I am beginning to know a little better what I am. But it still seems (and I cannot resist believing) that corporeal things—whose images are formed by thought, and which the senses themselves examine—are much more distinctly known than this mysterious "I" which does not fall within the imagination. And yet it would be strange indeed were I to grasp the very things I consider to be doubtful, unknown, and foreign to me more distinctly than what is true, what is known—than, in short, myself. But I see what is happening: my mind loves to wander and does not yet permit itself to be restricted within the confines of truth. So be it then; let us just this once allow it completely free rein, so that, a little while later, when the time has come to pull in the reins, the mind may more readily permit itself to be controlled.

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appears needed to enable a body to be known as distinctly as possible. But are manifest. It is hard and cold; it is easy to touch. If you rap on it with scent of the flowers from which it was collected. Its color, shape, and size honeycomb; it has not yet lost all the honey flavor. It retains some of the instance, this piece of wax. It has been taken quite recently from the somewhat more confused, but one body in particular. Let us take, for bodies in general, mind you, for these general perceptions are apt to be most distinctly grasped of all: namely the bodies we touch and see. Not wax still remain? I must confess that it does; no one denies it; no one now, when you rap on it, it no longer emits any sound. Does the same increasing; it is becoming liquid and hot; you can hardly touch it. And ishing; the color is changing; the original shape is disappearing. Its size is remaining traces of the honey flavor are disappearing; the scent is vannotice that, as I am speaking, I am bringing it close to the fire. The your knuckle it will emit a sound. In short, everything is present in it that or hearing has now changed; and yet the wax remains. senses. For whatever came under the senses of taste, smell, sight, touch grasped? Certainly none of the aspects that I reached by means of the thinks otherwise. So what was there in the wax that was so distinctly Let us consider those things which are commonly believed to be the

Perhaps the wax was what I now think it is: namely that the wax itself never really was the sweetness of the honey, nor the fragrance of the flowers, nor the whiteness, nor the shape, nor the sound, but instead was a body that a short time ago manifested itself to me in these ways, and now does so in other ways. But just what precisely is this thing that I thus imagine? Let us focus our attention on this and see what remains after we have removed everything that does not belong to the wax: only that it is something extended, flexible, and mutable. But what is it to be flexible

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distunct, as it is now, depending on how closely I pay attention to the things seemed so; rather it is an inspection on the part of the mind alone. This touching, nor an imagining. Nor has it ever been, even though it previously need to realize that the perception of the wax is neither a seeing, nor a it is the same piece of wax I took it to be from the very beginning. But I still. But what is this piece of wax which is perceived only by the mind? in which the piece of wax consists. inspection can be imperfect and confused, as it was before, or clear and Surely it is the same piece of wax that I see, touch, and imagine; in short to this particular piece of wax, for the case of wax in general is clearer rather, I perceive it through the mind alone. The point I am making refers concede that I do not grasp what this wax is through the imagination; than I could ever grasp with the imagination. It remains then for me to if I did not believe that it takes on an even greater variety of dimensions as the heat is increased. And I would not judge correctly what the wax is in wax that is beginning to melt, greater in boiling wax, and greater still extended? Is this thing's extension also unknown? For it becomes greater this insight is not achieved by the faculty of imagination. What is it to be through these innumerable changes by using my imagination. Therefore innumerable changes of this sort, even though I am incapable of running to a triangular shape? Not at all; for I grasp that the wax is capable of piece of wax can change from a round to a square shape, or from the latter and mutable? Is it what my imagination shows it to be: namely, that this

But meanwhile I marvel at how prone my mind is to errors. For although 32 I am considering these things within myself silently and without words, nevertheless I seize upon words themselves and I am nearly deceived by the ways in which people commonly speak. For we say that we see the wax itself, if it is present, and not that we judge it to be present from its color or shape. Whence I might conclude straightaway that I know the wax through the vision had by the eye, and not through an inspection on the part of the mind alone. But then were I perchance to look out my window and observe men crossing the square, I would ordinarily say I see the men themselves just as I say I see the wax. But what do I see aside from hats and clothes, which could conceal automata? Yet I judge them to be men. Thus what I thought I had seen with my eyes, I actually grasped solely with the faculty of judgment, which is in my mind.

But a person who seeks to know more than the common crowd ought to be ashamed of himself for looking for doubt in common ways of speaking. Let us then go forward and inquire when it was that I perceived more perfectly and evidently what the piece of wax was. Was it when I

first saw it and believed I knew it by the external sense, or at least by the so-called common sense, that is, the power of imagination? Or do I have more perfect knowledge now, when I have diligently examined both what the wax is and how it is known? Surely it is absurd to be in doubt about this matter. For what was there in my initial perception that was distinct? What was there that any animal seemed incapable of possessing? But indeed when I distinguish the wax from its external forms, as if stripping it of its clothing, and look at the wax in its nakedness, then, even though there can be still an error in my judgment, nevertheless I cannot perceive it thus without a human mind.

more evidently that I myself exist. For it could happen that what I see is not only much more truly and with greater certainty, but also much more am I who seem to perceive this wax so distinctly? Do I not know myself anything. But it is utterly impossible that, while I see or think I see (I do not truly wax. It could happen that I have no eyes with which to see that I see it, certainly from this same fact that I see the wax it follows much distinctly and evidently? For if I judge that the wax exists from the fact will again obtain, namely that I exist. If I judge that the wax exists from if I judge that the wax exists from the fact that I touch it, the same outcome not now distinguish these two), I who think am not something. Likewise. I admit nothing else to be in me over and above the mind. What, I ask, many other things in the mind itself on the basis of which my knowledge make even more manifest the nature of my mind. But there are still so distinct after it became known to me not only on account of sight or touch. is external to me. Furthermore, if my perception of the wax seemed more follows. But what I note regarding the wax applies to everything else that the fact that I imagine it, or for any other reason, plainly the same thing those things which emanate to it from the body. of it can be rendered more distinct that it hardly seems worth enumerating that can aid in my perception of the wax or of any other body that fails to distinctly I am now known to myself. For there is not a single consideration but on account of many reasons, one has to admit how much more But what am I to say about this mind, that is, about myself? For as yet

But io and behold, I have returned on my own to where I wanted to be. For since I now know that even bodies are not, properly speaking, perceived by the senses or by the faculty of imagination, but by the intellect alone, and that they are not perceived through their being touched or seen, but only through their being understood, I manifestly know that nothing can be perceived more easily and more evidently than my own mind. But since the tendency to hang on to long-held beliefs cannot be

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Meditation Three

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put aside so quickly, I want to stop here, so that by the length of my meditation this new knowledge may be more deeply impressed upon my memory.

MEDITATION THREE: Concerning God, That He Exists

I will now shut my eyes, stop up my ears, and withdraw all my senses. I will also blot out from my thoughts all images of corporeal things, or rather, since the latter is hardly possible, I will regard these images as empty, false and worthless. And as I converse with myself alone and look more deeply into myself, I will attempt to render myself gradually better known and more familiar to myself. I am a thing that thinks, that is to say, a thing that doubts, affirms, denies, understands a few things, is ignorant of many things, wills, refrains from willing, and also imagines and senses. For as I observed earlier, even though these things that I sense or imagine may perhaps be nothing at all outside me, nevertheless I am certain that these modes of thinking, which are cases of what I call sensing and imagining, insofar as they are merely modes of thinking, do exist within me.

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In these few words, I have reviewed everything I truly know, or at least what so far I have noticed that I know. Now I will ponder more carefully to see whether perhaps there may be other things belonging to me that up until now I have failed to notice. I am certain that I am a thinking thing. But do I not therefore also know what is required for me to be certain of anything? Surely in this first instance of knowledge, there is nothing but a certain clear and distinct perception of what I affirm. Yet this would hardly be enough to render me certain of the truth of a thing, if it could ever happen that something that I perceived so clearly and distinctly were false. And thus I now seem able to posit as a general rule that everything I very clearly and distinctly perceive is true.

Be that as it may, I have previously admitted many things as wholly certain and evident that nevertheless I later discovered to be doubtful. What sort of things were these? Why, the earth, the sky, the stars, and all the other things I perceived by means of the senses. But what was it about these things that I clearly perceived? Surely the fact that the ideas or do not deny that these ideas are in me. Yet there was something else I used to affirm, which, owing to my habitual tendency to believe it, I used to think was something I clearly perceived, even though I actually did not perceive it at all: namely, that certain things existed outside me, things

from which those ideas proceeded and which those ideas completely resembled. But on this point I was mistaken; or rather, if my judgment was a true one, it was not the result of the force of my perception.

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day make it true that I never existed, for it is true now that I do exist. Nor at the first opportunity inquire whether there is a God, and, if there is, it does merely on the above hypothesis, is very tenuous and, so to speak contradiction." And certainly, because I have no reason for thinking that more or less than five, or similar items in which I recognize an obvious will he even bring it about that perhaps two plus three might equal something, he will never bring it about that I am nothing. Nor will he one completely persuaded by them that I spontaneously blurt out these words: to err even in those matters that I think I intuit as clearly as possible with admitting that, were he to wish it, it would be easy for him to cause me affirm them as true? To be sure, I did decide later on that I must doubt whether or not he can be a deceiver. For if I am ignorant of this, it appears metaphysical. But in order to remove even this basis for doubt, I should know whether there even is a God), the basis for doubting, depending as "let anyone who can do so deceive me; so long as I think that I am those very things that I think I perceive with such great clarity, I am so the eyes of the mind. On the other hand, whenever I turn my attention to opinion about the supreme power of God occurs to me, I cannot help about matters that seemed most evident. But whenever this preconceived could perhaps have given me a nature such that I might be deceived even five, and the like? Did I not intuit them at least clearly enough so as to I am never capable of being completely certain about anything else. there is a God who is a deceiver (and of course I do not yet sufficiently these things, but that was only because it occurred to me that some God the areas of arithmetic or geometry, for example that two plus three make But what about when I considered something very simple and easy in

However, at this stage good order seems to demand that I first group all my thoughts into certain classes, and ask in which of them truth or 37 falsity properly resides. Some of these thoughts are like images of things; to these alone does the word "idea" properly apply, as when I think of a man, or a chimera, or the sky, or an angel, or God. Again there are other thoughts that take different forms: for example, when I will, or fear, or affirm, or deny, there is always some thing that I grasp as the subject of my thought, yet I embrace in my thought something more than the likeness of that thing. Some of these thoughts are called volitions or affects, while others are called judgments.

Now as far as ideas are concerned, if they are considered alone and in

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Meditation Six

69 that the square of the hypotenuse is equal to the sum of the squares of existence belongs, exists? or more easily than him. For what, in and of itself, is more manifest than that a supreme being exists, that is, that God, to whose essence alone thought from all directions, I would certainly acknowledge nothing sooner prejudices and if the images of sensible things were not besieging my nevertheless, once the former has been ascertained, it is no less believed. the other two sides as it is that the hypotenuse is opposite the largest angle, However, as far as God is concerned, if I were not overwhelmed by

other things is so dependent on this, that without it nothing can ever be else that seems most certain. Moreover, I observe also that certitude about perfectly known. nevertheless I now am just as certain about this as I am about everything And although I needed to pay close attention in order to perceive this,

70 quently led me to judge to be false. many things to be true and certain, which other arguments have subse-I perceive most evidently, especially when I recall that I have often taken by nature that I might occasionally be mistaken about those things I believe easily happen that I entertain doubts about whether it is true, were I much I still recall that I had observed it most clearly, nevertheless, it can that its three angles are equal to two right angles. And so long as I attend ignorant of God. For I can convince myself that I have been so constituted do I turn the mind's eye away from the demonstration, than, however to its demonstration I cannot help believing this to be true. But no sooner appears most evident to me, steeped as I am in the principles of geometry, opinions. Thus, for example, when I consider the nature of a triangle, it and certain knowledge about anything, but merely fickle and changeable opinion, were I ignorant of God. And thus I would never have true ments can be brought forward that would easily make me change my made judgment may return when I am no longer attending to the argusame thing, so as to perceive it clearly. Often the memory of a previously clearly and distinctly, I cannot help believing it to be true. Nevertheless, ments on account of which I made such a judgment. Thus, other argumy nature is also such that I cannot focus my mental gaze always on the For I am indeed of such a nature that, while I perceive something very

perceive is necessarily true. Hence even if I no longer attend to the reasons deceiver, I then concluded that everything that I clearly and distinctly same time that everything else depends on him, and that he is not a leading me to judge this to be true, so long as I merely recall that I did But once I perceived that there is a God, and also understood at the

> else that I recall once having demonstrated, as in geometry, and so on. such that I am often mistaken? But I now know that I cannot be mistaken and certain knowledge of it. And not just of this one fact, but of everything forward that might force me to doubt it. On the contrary, Thave a true clearly and distinctly observe it, no counter-argument can be brought other reasons which I later discovered were less firm. What then remains rule for determining the truth, and I believed these things perhaps for in matters I plainly understand. That I have taken many things to be true myself, in other words, that everything I am now thinking of is no truer were things I clearly and distinctly perceived. But I was ignorant of this and certain which subsequently I recognized to be false? But none of these For what objections can now be raised against me? That I have been made my intellect, then it is entirely true. nothing; for certainly, even if I were dreaming, if anything is evident to than what occurs to someone who is asleep? Be that as it may, this changes to be said? That perhaps I am dreaming, as I recently objected against

nature which is the object of pure mathematics. depends exclusively upon the knowledge of the true God, to the extent and other intellectual matters, as well as about the entirety of that corporeal achieve full and certain knowledge about countless things, both about God perfect knowledge about anything else. But now it is possible for me to that, prior to my becoming aware of him, I was incapable of achieving And thus I see plainly that the certainty and truth of every science

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Things, and the Real Distinction between Mind and Body MEDITATION Six: Concerning the Existence of Material

mathematics, since I clearly and distinctly perceive them. For no doubt know that they can exist, at least insofar as they are the object of pure in this way. And I have never judged that God was incapable of something, God is capable of bringing about everything that I am capable of perceiving which therefore exists. material things, it seems to follow that they exist. For to anyone paying except when it was incompatible with my perceiving it distinctly. Moreover, It remains for me to examine whether material things exist. Indeed I now application of the knowing faculty to a body intimately present to it, and very close attention to what imagination is, it appears to be simply a certain from the faculty of imagination, which I notice I use while dealing with

and pure intellection. So, for example, when I imagine a triangle, I not To make this clear, I first examine the difference between imagination

Meditation Six

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point I am manifestly aware that I am in need of a peculiar sort of effort the difference between imagination and pure intellection. order to understand. This new effort on the part of the mind clearly shows on the part of the mind in order to imagine, one that I do not employ in sides and at the same time to the area bounded by those sides. At this was the case with the chiliagon, without the help of my imagination. But properties that differentiate a chiliagon from other polygons. But if the a large number of sides. Nor is this figure of any help in knowing the represent to myself, were I thinking of a myriagon or any other figure with chiliagon. For this figure is really no different from the figure I would figure in question is a pentagon, I surely can understand its figure, just as figure in a confused fashion, nevertheless this figure is obviously not a think about a corporeal thing—I may perchance represent to myself some case—because of force of habit I always imagine something whenever I same way, or envisage them as if they were present. And although in that consisting of three sides, yet I do not imagine those thousand sides in the l can also imagine a pentagon by turning the mind's eye both to its five thousand sides, just as well as I understand that a triangle is a figure about a chiliagon, I certainly understand that it is a figure consisting of a and this is what I call "imagining." On the other hand, if I want to think time I also envisage with the mind's eye those lines as if they were present; only understand that it is a figure bounded by three lines, but at the same

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this is only a probability. And even though I may examine everything since I can think of no other way of explaining imagination that is equally appropriate, I make a probable conjecture from this that a body exists. But imagination can be actualized in this way, provided a body does exist. And intuits in the body something that conforms to an idea either understood by ideas that are in it; whereas when it imagines, it turns toward the body, and when it understands, in a sense turns toward itself and looks at one of the of this very body that I imagine corporeal things. As a result, this mode of the mind or perceived by sense. To be sure, I easily understand that the thinking may differ from pure intellection only in the sense that the mind, were, to look at it any time it wishes, it could happen that it is by means something distinct from me. And I readily understand that, were a body to exist to which a mind is so joined that it may apply itself in order, as it now. Thus it seems to follow that the power of imagining depends upon power, I would nevertheless undoubtedly remain the same entity I am essence, that is, the essence of my mind. For were I to be lacking this as it differs from the power of understanding, is not required for my own Moreover, I consider that this power of imagining that is in me, insofar

carefully, nevertheless I do not yet see how the distinct idea of corporeal nature that I find in my imagination can enable me to develop an argument which necessarily concludes that some body exists.

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But I am in the habit of imagining many other things, over and above that corporeal nature which is the object of pure mathematics, such as colors, sounds, tastes, pain, and the like, though not so distinctly. And I perceive these things better by means of the senses, from which, with the aid of the memory, they seem to have arrived at the imagination. Thus I should pay the same degree of attention to the senses, so that I might deal with them more appropriately. I must see whether I can obtain any reliable argument for the existence of corporeal things from those things that are perceived by the mode of thinking that I call "sense."

First of all, to be sure, I will review here all the things I previously believed to be true because I had perceived them by means of the senses and the causes I had for thinking this. Next I will assess the causes why I later called them into doubt. Finally, I will consider what I must now believe about these things.

as the whole of me. I sensed that this body was found among many other of whose variety I distinguished the sky, the earth, the seas, and the other motions of bodies, I also sensed their hardness, heat, and other tactile and other such affects. And externally, besides the extension, shapes, and appetites, as well as certain bodily tendencies toward mirth, sadness, anger, pleasure, and what was inopportune by a sensation of pain. In addition to ways. I gauged what was opportune by means of a certain sensation of bodies, by which my body can be affected in various beneficial or harmful that comprised this body which I viewed as part of me, or perhaps even a sense organ. Nor could I fail to sense it when it was present. And since that, wish as I may, I could not sense any object unless it was present to that these ideas came upon me utterly without my consent, to the extent and immediately sensed, still it was surely not without reason that I thought presented themselves to my thought, and which were all that I properly bodies, one from the other. Now given the ideas of all these qualities that qualities. I also sensed light, colors, odors, tastes, and sounds, on the basis pain and pleasure, I also sensed within me hunger, thirst, and other such knowingly formed through meditation or that I found impressed on my in their own way, more distinct than any of those that I deliberately and the ideas perceived by sense were much more vivid and explicit and even, the bodies from which these ideas proceeded. For I knew by experience I sensed things that were manifestly different from my thought, namely, So first, I sensed that I had a head, hands, feet, and other members of the arguments that might prove it. convinced myself that this was how things were, prior to my assessing any that I judged concerning the objects of the senses, for I had already stomach and the will to have something to eat, or between the sensation sensation. But nature also seems to have taught me everything else as well of something causing pain and the thought of sadness arising from this whatsoever, at least none I am aware of, between this twitching in the than that I had been taught this way by nature. For there is no affinity take something to drink, and so on? I plainly had no explanation other should a certain elation arise from a sensation of excitement, or why should sadness of spirit arise from some sensation or other of pain, and why body, which by a certain special right I called "mine," belongs more to me have something to cat, or why should dryness in the throat warn me to that peculiar twitching in the stomach, which I call hunger, warn me to its parts, but not in other bodies external to it. But why should a certain and on behalf of it. Finally, I noticed pain and pleasurable excitement in way I could be from other bodies. I sensed all appetites and feelings in than did any other. For I could never be separated from it in the same could not help entertaining the thought that they were similar to those beforehand in the sense faculty. Not without reason did I judge that this myself that I had absolutely no idea in the intellect that I did not have were for the most part composed of parts of the latter, I easily convinced not as explicit as those that I perceived through the faculty of sense, and ideas. Moreover, I also recalled that the use of the senses antedated the remaining alternative was that they came from other things. Since I had use of reason. And since I saw that the ideas that I myself fashioned were no knowledge of such things except from those same ideas themselves, I memory, it seemed impossible that they came from myself. Thus the

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Afterwards, however, many experiences gradually weakened any faith that I had in the senses. Towers that had seemed round from afar occasionally appeared square at close quarters. Very large statues mounted on their pedestals did not seem large to someone looking at them from ground in matters of the external senses were in error. And not just the external senses, but the internal senses well. For what can be more intimate than pain? But I had sometimes heard it said by people whose leg or arm had been amputated that it seemed to them that they still occasionally sensed pain in the very limb they had lost. Thus, even in my own case it did not seem to be entirely certain that some bodily member was causing me pain, even though I did sense pain in it. To these causes for doubt I

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my having been so constituted by nature that I should be mistaken even origin (or at least pretended to be ignorant of it), I saw nothing to prevent while asleep, and since I do not believe that what I seem to sense in my conclude that they came from things distinct from me, since perhaps the senses did not depend on my will. I did not think that we must therefore which reason tried to dissuade me, I did not think that what I was taught to them. For since I seemed driven by nature toward many things about convince me of the truth of sensible things, I found no difficulty responding about what seemed to me most true. As to the arguments that used to awake. The second was that, since I was still ignorant of the author of my should hold this belief about those things I seem to be sensing while dreams comes to me from things external to me, I saw no reason why I thought I sensed while awake I could believe I also sometimes sensed perceptions. there is some faculty in me, as yet unknown to me, that produces these by nature deserved much credence. And even though the perceptions of recently added two quite general ones. The first was that everything I even

But now, having begun to have a better knowledge of myself and the author of my origin, I am of the opinion that I must not rashly admit everything that I seem to derive from the senses; but neither, for that 78 matter, should I call everything into doubt.

else belongs to my nature or essence except that I am a thinking thing, I since they can be separated from each other, at least by God. The question ability clearly and distinctly to understand one thing without another and not a thinking thing, it is certain that I am really distinct from my a thinking thing and not an extended thing, and because on the other hand one hand I have a clear and distinct idea of myself, insofar as I am merely have a body that is very closely joined to me, nevertheless, because on the rightly conclude that my essence consists entirely in my being a thinking as to the sort of power that might effect such a separation is not relevant suffices to make me certain that the one thing is different from the other can be made by God such as I understand them. For this reason, my body, and can exist without it. I have a distinct idea of a body, insofar as it is merely an extended thing thing. And although perhaps (or rather, as I shall soon say, assuredly) I to their being thought to be different. For this reason, from the fact that I know that I exist, and that at the same time I judge that obviously nothing First, I know that all the things that I clearly and distinctly understand

Moreover, I find in myself faculties for certain special modes of thinking, namely the faculties of imagining and sensing. I can clearly and distinctly

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source other than corporeal things. And consequently corporeal things substance is either a body that is, a corporeal nature, which contains the object of pure mathematics. that is, everything, considered in a general sense, that is encompassed in But at least they do contain everything I clearly and distinctly understandsense, since this sensory grasp is in many cases very obscure and confused. exist. Nevertheless, perhaps not all bodies exist exactly as I grasp them by this determination, but instead has given me a great inclination to believe all that is contained objectively in the ideas. But since God is not a some other creature more noble than a body, which contains eminently lideas produced by that faculty, as I have just noted above. Hence this alternative is that it is in some substance different from me, containing be understood not to be a deceiver, if these ideas were to issue from a that these ideas issue from corporcal things, I fail to see how God could eminently. For since God has given me no faculty whatsoever for making that contains the objective reality of these ideas not formally but only deceiver, it is patently obvious that he does not send me these ideas either formally all that is contained objectively in the ideas, or else it is God, or either formally or eminently all the reality that exists objectively in the out my cooperation and often even against my will. Therefore the only immediately by himself, or even through the mediation of some creature presupposes no act of understanding, and these ideas are produced withabout these ideas. But this faculty surely cannot be in me, since it clearly me or in something else, a certain active faculty of producing or bringing sensible things; but I could not use it unless there also existed, either in faculty of sensing, that is, a faculty for receiving and knowing the ideas of certainly not any understanding. Now there clearly is in me a passive some extension is contained in a clear and distinct concept of them, though extended substance, not in a substance endowed with understanding. For clear that these faculties, if in fact they exist, must be in a corporeal or which they inhere, and hence without which they cannot exist. But it is sensing or imagining, cannot be understood apart from some substance in from one place to another, of taking on various shapes, and so on, that, like without a substance endowed with understanding in which they inhere, versa: I cannot understand them clearly and distinctly without me, that is, acknowledge that there are certain other faculties, such as those of moving understand myself in my entirety without these faculties, but not vice perceive them to be distinguished from me as modes from a thing. I also for they include an act of understanding in their formal concept. Thus I

As far as the remaining matters are concerned, which are either merely

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particular (for example, that the sun is of such and such a size or shape, and so on) or less clearly understood (for example, light, sound, pain, and the like), even though these matters are very doubtful and uncertain, nevertheless the fact that God is no deceiver (and thus no falsity can be found in my opinions, unless there is also in me a faculty given me by God for the purpose of rectifying this falsity) offers me a definite hope of reaching the truth even in these matters. And surely there is no doubt that all that I am taught by nature has some truth to it; for by "nature," taken generally, I understand nothing other than God himself or the ordered network of created things which was instituted by God. By my own particular nature I understand nothing other than the combination of all the things bestowed upon me by God.

There is nothing that this nature teaches me more explicitly than that I have a body that is ill-disposed when I feel pain, that needs food and drink when I suffer hunger or thirst, and the like. Therefore, I should not doubt that there is some truth in this.

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By means of these sensations of pain, hunger, thirst and so on, nature also teaches not merely that I am present to my body in the way a sailor is present in a ship, but that I am most tightly joined and, so to speak, commingled with it, so much so that I and the body constitute one single thing. For if this were not the case, then I, who am only a thinking thing, would not sense pain when the body is injured; rather, I would perceive the wound by means of the pure intellect, just as a sailor perceives by sight whether anything in his ship is broken. And when the body is in need of food or drink, I should understand this explicitly, instead of having confused sensations of hunger and thirst. For clearly these sensations of thirst, hunger, pain, and so on are nothing but certain confused modes of thinking arising from the union and, as it were, the commingling of the mind with the body.

Moreover, I am also taught by nature that various other bodies exist around my body, some of which are to be pursued, while others are to be avoided. And to be sure, from the fact that I sense a wide variety of colors, sounds; odors, tastes, levels of heat, and grades of roughness, and the like, I rightly conclude that in the bodies from which these different perceptions of the senses proceed there are differences corresponding to the different perceptions—though perhaps the latter do not resemble the former. And from the fact that some of these perceptions are pleasant while others are unpleasant, it is plainly certain that my body, or rather my whole self, insofar as I am comprised of a body and a mind, can be affected by various beneficial and harmful bodies in the vicinity.

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seems to belong exclusively to the mind, and not to the composite of mind similar to that heat, any more than to that pain. On the contrary, I am a single argument that persuades me that there is something in the fire without any reason for doing so. And although I feel heat as I draw closer and many other instances I have been in the habit of subverting the order does not therefore follow that there is no body in it. But I see that in these although there may be nothing in a given space that moves the senses, it it finally turns out to be, causes in us those sensations of heat or pain. And convinced only that there is something in the fire that, regardless of what real or positive tendency in my eye toward believing that the star is no to the fire, and I also feel pain upon drawing too close to it, there is not larger than the flame. Yet, ever since my youth, I have made this judgment my eye no more than does the flame from a small torch, still there is no and body, to know the truth in these matters. Thus, although a star affects of pain and to pursue things that produce a sensation of pleasure, and the it is this nature that teaches me to avoid things that produce a sensation bestowed on me insofar as I am composed of mind and body. Accordingly, and so on. I am not dealing with these either, but only with what God has belong exclusively to the body, such as that it tends to move downward cannot be undone, and everything else that is known by the light of nature exclusively to my mind, such as my perceiving that what has been done on me by God. For this combination embraces many things that belong "nature" here more narrowly than the combination of everything bestowed mean when I say that I am "taught something by nature." For I am taking are sufficiently distinct, I ought to define more precisely what exactly I other things of this sort. But to ensure that my perceptions in this matter bodies have the same size and shape that they present to my senses, and is the same taste, and so on; or that stars and towers and any other distant whiteness or greenness that I sense; or that in a bitter or sweet body there of heat that is in me; or that in a white or green body there is the same a certain habit of making reckless judgments. And thus it could easily first conducted its own inquiry regarding things external to us. For it besides these things, from these sense perceptions unless the intellect has That is not what I am talking about here. There are also many things that there is something in a hot body that bears an exact likeness to the idea there is absolutely nothing happening to move my senses is empty; or that happen that these judgments are false: for example, that any space where by nature; nevertheless it was not really nature that taught them to me but like. But it does not appear that nature teaches us to conclude anything, Granted, there are many other things that I seem to have been taught

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of nature. For admittedly I use the perceptions of the senses (which are properly given by nature only for signifying to the mind what things are useful or harmful to the composite of which it is a part, and to that extent they are clear and distinct enough) as reliable rules for immediately discerning what is the essence of bodies located outside us. Yet they signify nothing about that except quite obscurely and confusedly.

I have already examined in sufficient detail how it could happen that my judgments are false, despite the goodness of God. But a new difficulty now arises regarding those very things that nature shows me are either to be sought out or avoided, as well as the internal sensations where I seem to have detected errors, as for example, when someone is deluded by a food's pleasant taste to eat the poison hidden inside it. In this case, however, he is driven by nature only toward desiring the thing in which the pleasurable taste is found, but not toward the poison, of which he obviously is unaware. I can only conclude that this nature is not omniscient. This is not remarkable, since man is a limited thing, and thus only what is of limited perfection befits him.

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sick man got a deception-prone nature from God. And a clock made of this does not remove our difficulty, for a sick man is no less a creature of or drink that will soon afterwards be injurious to them. Perhaps it could us. Take, for example, the case of those who are ill and who desire food when it has been badly constructed and does not tell time accurately than be said here that they erred because their nature was corrupt. However, composed of bones, nerves, muscles, veins, blood and skin in such a way it does when it completely satisfies the wish of its maker. Likewise, I might wheels and counter-weights follows all the laws of nature no less closely God than a healthy one, and thus it seems no less inconsistent that the regard a man's body as a kind of mechanism that is outfitted with and and other parts to take something to drink, the result of which would be duces a thirst sensation in the mind), and also so disposed by its nerves easily recognize that it would be natural for this body, were it, say, suffering either from a command of the will or, consequently, from the mind. I the same motions that are in it now except for those motions that proceed that, even if no mind existed in it, the man's body would still exhibit all to exacerbate the illness. This is as natural as for a body without any such I could say that it deviates from its nature when it fails to tell the right to drink that is useful to it. And given the intended purpose of the clock, illness to be moved by the same dryness in the throat to take something trom dropsy and experiencing dryness in the throat (which typically pro-But we not infrequently err even in those things to which nature impels

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same manner, it presents the same thing to the mind, even if the other parts of the body are able meanwhile to be related in diverse ways.

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are pulled in the foot, they also pull on the inner parts of the brain to cord ABCD, if the final part D is pulled, the first part A would be moved also be moved in the same manner by any of the parts that he between any of its parts can be moved by another part some distance away, it can brain, it can happen that even if it is not the part in the foot but merely which they extend, and produce a certain motion in them. This motion place by means of nerves distributed throughout the foot, like stretched when I feel a pain in my foot, physics teaches me that this sensation took B or C were pulled, while the end part D remained immobile. Likewise, m exactly the same manner as it could be, if one of the intermediate parts them, even if this more distant part is doing nothing. For example, in the of pain, as if it occurred in the foot. But because these nerves need to pass cords extending from the foot all the way to the brain. When these nerves Countless experiments show this, none of which need be reviewed here. will occur in the brain that would occur were the foot badly injured. The one of the intermediate parts that is being struck, the very same movement through the shin, thigh, loins, back, and neck to get from the foot to the has been constituted by nature so as to affect the mind with a sensation opinion should hold for any other sensation.) inevitable result will be that the mind feels the same pain. The same My next observation is that the nature of the body is such that whenever 87

to the foot. But the nature of man could have been so constituted by God nerves in the foot are agitated in a violent and unusual manner, this motion experience shows that all the sensations bestowed on us by nature are like most often conducive to the maintenance of a healthy man. Moreover, of the brain immediately affecting the mind produces but one sensation in of theirs extends through the marrow of the spine to the inner reaches of bear witness to God's power and goodness. Thus, for example, when the this. Hence there is absolutely nothing to be found in them that does not sensation that, of all the ones it is able to produce, is most especially and it, I can think of no better arrangement than that it produces the one or in the foot, or in some place in between, or something else entirely that this same motion in the brain might have indicated something else to utmost to move away from the cause of the pain, since it is seen as harmful the pain as if it is occurring in the foot. This provokes the mind to do its the brain, where it gives the mind the sign to sense something, namely, the mind: for example, either the motion itself as it occurs in the brain, My final observation is that, since any given motion occurring in that part is not without some truth. tion extrinsic to the things to which it is applied. But by "nature" taken in clock with the ideas of a healthy man and of a well-made clock, a designathought, since it compares a man in poor health and a poorly constructed other. For this latter "nature" is merely a designation dependent on my the former sense, I understand something that is really in things, and thus less, I am well aware that this last use of "nature" differs greatly from the having something to drink is not beneficial to its conservation. Neverthethink that it too is deviating from its nature, if its throat were dry when terms of its being equipped for the motions that typically occur in it, I may time. And similarly, considering the mechanism of the human body in

would be harmful to it. It therefore remains to inquire here how the designation. Nevertheless, in the case of the composite, that is, of a mind does not need something to drink, "nature" obviously is merely an extrinsic its "nature" is corrupt, given the fact that it has a parched throat and yet goodness of God does not prevent "nature," thus considered, from being nature that this body should be thirsty when having something to drink joined to such a body, it is not a mere designation, but a true error of deceptive. When we say, then, in the case of the body suffering from dropsy, that

, mind on that account. Nor can the faculties of willing, sensing, under-On the other hand, the mind is utterly indivisible. For when I consider a mind and a body in that a body, by its very nature, is always divisible. divisible. This consideration alone would suffice to teach me that the mind is no corporeal or extended thing I can think of that I may not in my same mind that wills, senses, and understands. On the other hand, there standing, and so on be called "parts" of the mind, since it is one and the part to be amputated, I know that nothing has been taken away from the to the entire body, nevertheless, were a foot or an arm or any other bodily distinguish any parts within me; rather, I understand myself to be manithe mind, that is, myself insofar as I am only a thinking thing, I cannot other way. is wholly diverse from the body, had I not yet known it well enough in any thought easily divide into parts; and in this way I understand that it is festly one complete thing. Although the entire mind seems to be united Now my first observation here is that there is a great difference between

sense is said to reside. Whenever this part of the brain is disposed in the one small part of the brain, namely, by that part where the "common" all the parts of the body, but only by the brain, or perhaps even by just My second observation is that my mind is not immediately affected by

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different. But nothing else would have served so well the maintenance of the body. Similarly, when we need something to drink, a certain dryness arises in the throat that moves the nerves in the throat, and, by means of them, the inner parts of the brain. And this motion affects the mind with a sensation of thirst, because in this entire affair nothing is more useful for us to know than that we need something to drink in order to maintain our health; the same holds in the other cases.

to drink contributes to bodily health, but from a contrary cause, as happens it is reasonable that the motion should always show pain to the mind as in the case of someone with dropsy, then it is far better that it should only bring about an identical sensation in the mind, and it is more frequently the case that this motion is wont to arise on account of a cause will naturally be deceived. For since an identical motion in the brain can injured foot, the pain will be felt as if it were in the foot, and the senses to produce the same motion that would normally be produced by a badly cause, not in the foot but in some other part through which the nerves body is in good health. The same holds for the other cases. deceive on that occasion than that it should always be deceptive when the dryness in the throat does not arise, as is normal, because taking something something belonging to the foot rather than to some other part. And if extend from the foot to the brain, or perhaps even in the brain itself, were the immense goodness of God, the nature of man, insofar as it is composed that harms the foot than on account of some other thing existing elsewhere. of-mund and body, cannot help being sometimes mistaken. For if some From these considerations it is utterly apparent that, notwithstanding

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This consideration is most helpful, not only for my noticing all the errors to which my nature is liable, but also for enabling me to correct or avoid them without difficulty. To be sure, I know that all the senses set 'forth what is true more frequently than what is false regarding what concerns the welfare of the body. Moreover, I can nearly always make use of several of them in order to examine the same thing. Furthermore, I can use my memory, which connects current happenings with past ones, and my intellect, which now has examined all the causes of error. Hence I should no longer fear that those things that are daily shown me by the senses are false. On the contrary, the hyperbolic doubts of the last few days ought to be rejected as ludicrous. This goes especially for the chief reason for doubting, which dealt with my failure to distinguish being asleep from being awake. For I now notice that there is a considerable difference between these two; dreams are never joined by the memory with all the other actions of life, as is the case with those actions that occur when one

acknowledge the infirmity of our nature. matters. But because the need to get things done does not always permit one of these sources that conflicts with the others. For from the fact that and my intellect, in order to examine them, nothing is passed on to me by was awake. Nor ought I have even the least doubt regarding the truth of interruption with the whole rest of my life, I am clearly certain that these they come to me, and when I connect my perception of them without notice distinctly where they come from, where they are now, and when my brain, rather than a true man. But when these things happen, and I reason that I would judge him to be a ghost or a phantom conjured up in that I see neither where he came from nor where he went, it is not without appear to me and then immediately disappear, as occurs in dreams, so is awake. For surely, if, while I am awake, someone were suddenly to man is apt to commit errors regarding particular things, and we must us the leisure for such a careful inquiry, we must confess that the life of God is no deceiver, it follows that I am in no way mistaken in these these things, if, having mustered all the senses, in addition to my memory perceptions have happened to me not while I was dreaming but while I 90