

# THE MIRACLES OF SMELL AND TASTE



HARUN YAHYA (ADNAN OKTAR) You have been using your senses of smell and taste ever since you first came into the world, and can now perceive tens of thousands of scents and flavors with no difficulty. That is because you possess magnificent systems that make this possible. Your senses of smell and taste work faultlessly and tirelessly on your behalf, throughout your entire lifetime. What is more, you have paid nothing for them, have received no specialized training and make no effort at all in order to make use of them.

Medical and biological textbooks on the subject tell us that we owe our perceptions of smell and taste to our noses, tongues and brains. It is true, of course that we perceive flavors and odors by means of these organs. Yet another point here is ignored, whether consciously or otherwise. The question that s generally overlooked and that really needs to be answered is this: To whom do we owe the existence of our noses, tongues and brains?

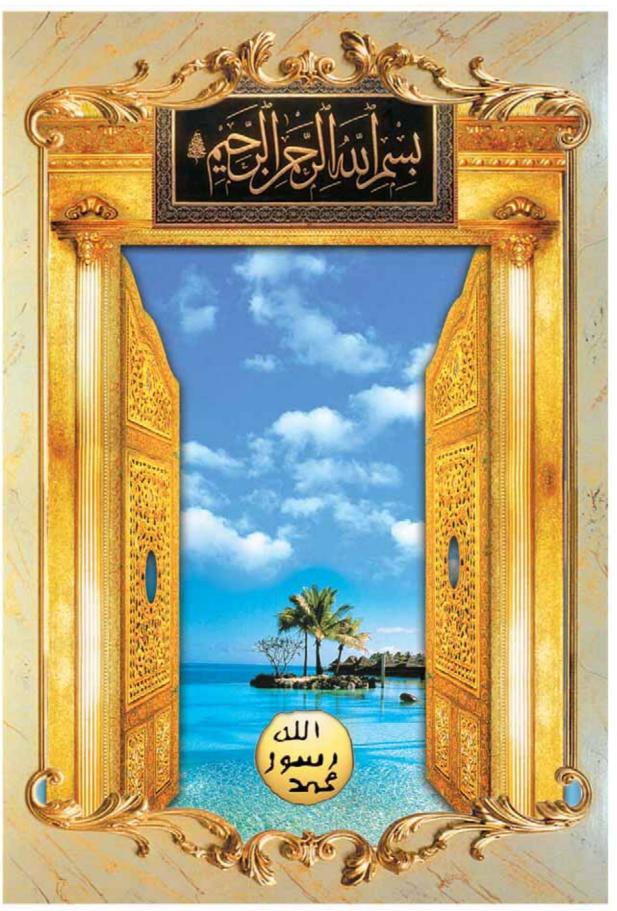
Most people think that it is sufficient to know that they smell with their noses and taste with their tongues, and are not concerned with the intricate details. Yet this is a serious mistake to make. Taste and smell are inseparable, essential elements of everyone s life, and it is terribly heedless for anyone aware of that to ignore the significant details that these senses present.

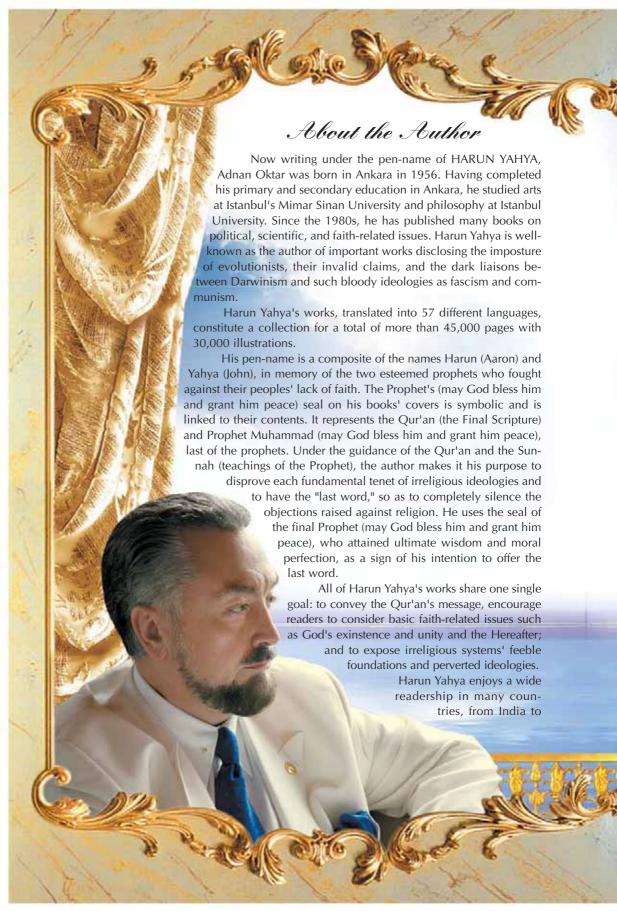


# About the Author

The author, who writes under the pen-name Harun Yahya, was born in Ankara in 1956. He studied arts at Istanbul's Mimar Sinan University, and philosophy at Istanbul University. Since the 1980s, the author has published many books on political, faith-related and scientific issues. Greatly appreciated all around the world, these works have been instrumental in helping many to return their faith in God, and, in many others,

to gain a deeper insight into their faith. Harun Yahya's books appeal to all kinds of readers, regardless of their age, race, or nationality, for they focus on one objective: to broaden the reader's perspective by encouraging him or her to think about a number of critical issues, such as the existence of God and His unity, and to live by the values He prescribed for them.





America, England to Indonesia, Poland to Bosnia, Spain to Brazil, Malaysia to Italy, France to Bulgaria and Russia. Some of his books are available in English, French, German, Spanish, Italian, Portuguese, Urdu, Arabic, Albanian, Chinese, Swahili, Hausa, Dhivehi (spoken in Mauritius), Russian, Serbo-Croat (Bosnian), Polish, Malay, Uygur Turkish, Indonesian, Bengali, Danish and Swedish.

Greatly appreciated all around the world, these works have been instrumental in many people recovering faith in God and gaining deeper insights into their faith. His books' wisdom and sincerity, together with a distinct style that's easy to understand, directly affect anyone who reads them. Those who seriously consider these books, can no longer advocate atheism or any other perverted ideology or materialistic philosophy, since these books are characterized by rapid effectiveness, definite results, and irrefutability. Even if they continue to do so, it will be only a sentimental insistence, since these books refute such ideologies from their very foundations. All contemporary movements of denial are now ideologically defeated, thanks to the books written by Harun Yahya.

This is no doubt a result of the Qur'an's wisdom and lucidity. The author modestly intends to serve as a means in humanity's search for God's right path. No material gain is sought in the publication of these works.

Those who encourage others to read these books, to open their minds and hearts and guide them to become more devoted servants of God, render an invaluable service.

Meanwhile, it would only be a waste of time and energy to propagate other books that create confusion in people's minds, lead them into ideological chaos, and that clearly have no strong and precise effects in removing the doubts in people's hearts, as also verified from previous experience. It is impossible for books devised to emphasize the author's literary power rather than the noble goal of saving people from loss of faith, to have such a great effect. Those who doubt this can readily see that the sole aim of Harun Yahya's books is to overcome disbelief and to disseminate the Qur'an's moral values. The success and impact of this service are manifested in the readers' conviction.

One point should be kept in mind: The main reason for the continuing cruelty, conflict, and other ordeals endured by the vast majority of people is the ideological prevalence of disbelief. This can be ended only with the ideological defeat of disbelief and by conveying the wonders of creation and Qur'anic morality so that people can live by it. Considering the state of the world today, leading into a downward spiral of violence, corruption and conflict, clearly this service must be provided speedily and effectively, or it may be too late.

In this effort, the books of Harun Yahya assume a leading role. By the will of God, these books will be a means through which people in the twenty-first century will attain the peace, justice, and happiness promised in the Qur'an.





A special chapter is assigned to the collapse of the theory of evolution because this theory constitutes the basis of all anti-spiritual philosophies. Since Darwinism rejects the fact of creation – and therefore, God's existence – over the last 140 years it has caused many people to abandon their faith or fall into doubt. It is therefore an imperative service, a very important duty to show everyone that this theory is a deception. Since some readers may find the chance to read only one of our books, we think it appropriate to devote a chapter to summarize this subject.

All the author's books explain faith-related issues in light of Qur'anic verses, and invite readers to learn God's words and to live by them. All the subjects concerning God's verses are explained so as to leave no doubt or room for questions in the reader's mind. The books' sincere, plain, and fluent style ensures that everyone of every age and from every social group can easily understand them. Thanks to their effective, lucid narrative, they can be read at one sitting. Even those who rigorously reject spirituality are influenced by the facts these books document and cannot refute the truthfulness of their contents.

This and all the other books by the author can be read individually, or discussed in a group. Readers eager to profit from the books will find discussion very useful, letting them relate their reflections and experiences to one another.

In addition, it will be a great service to Islam to contribute to the publication and reading of these books, written solely for the pleasure of God. The author's books are all extremely convincing. For this reason, to communicate true religion to others, one of the most effective methods is encouraging them to read these books.

We hope the reader will look through the reviews of his other books at the back of this book. His rich source material on faith-related issues is very useful, and a pleasure to read.

In these books, unlike some other books, you will not find the author's personal views, explanations based on dubious sources, styles that are unobservant of the respect and reverence due to sacred subjects, nor hopeless, pessimistic arguments that create doubts in the mind and deviations in the heart.

Translated by Carl Nino Rossini Edited by Timothy Mossman

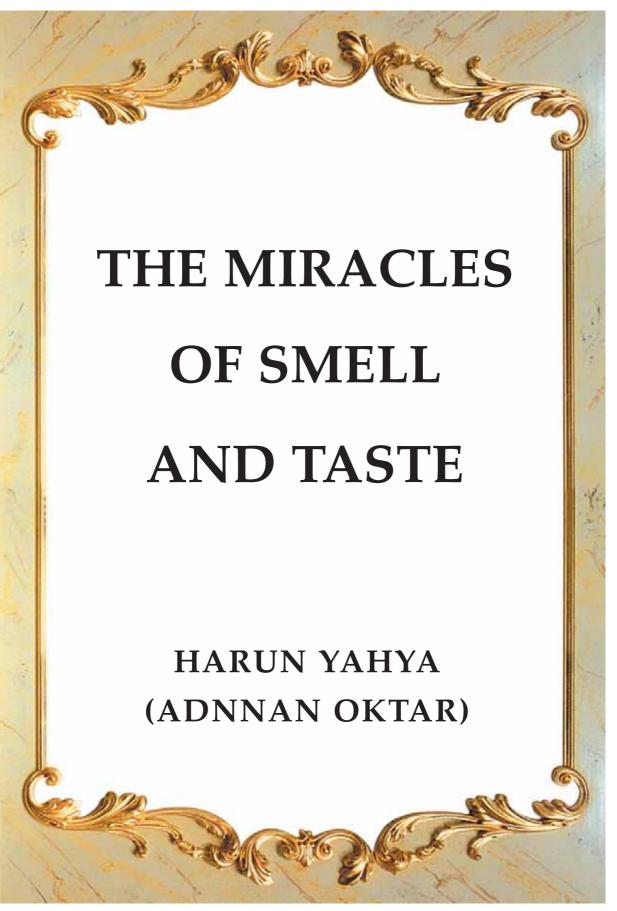
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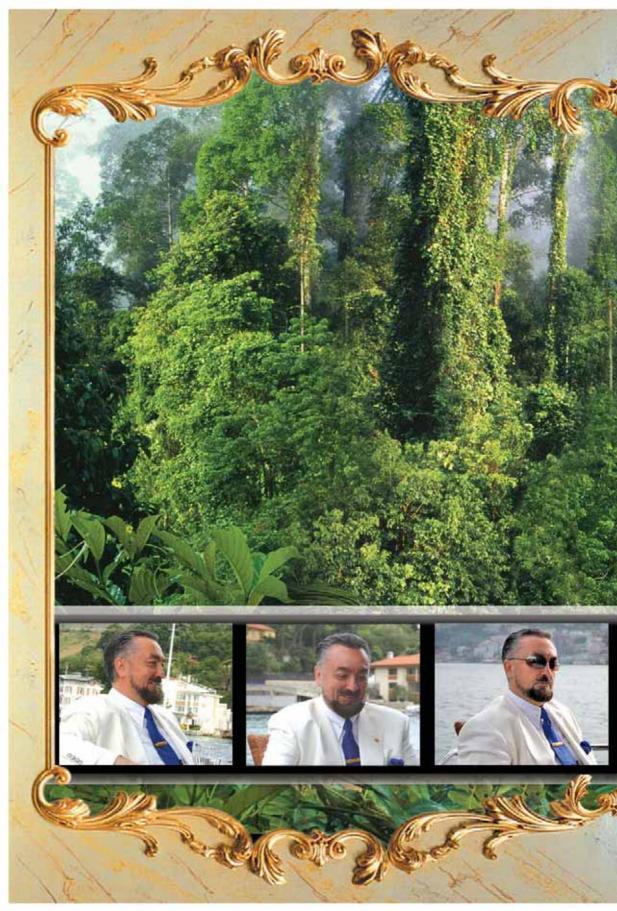
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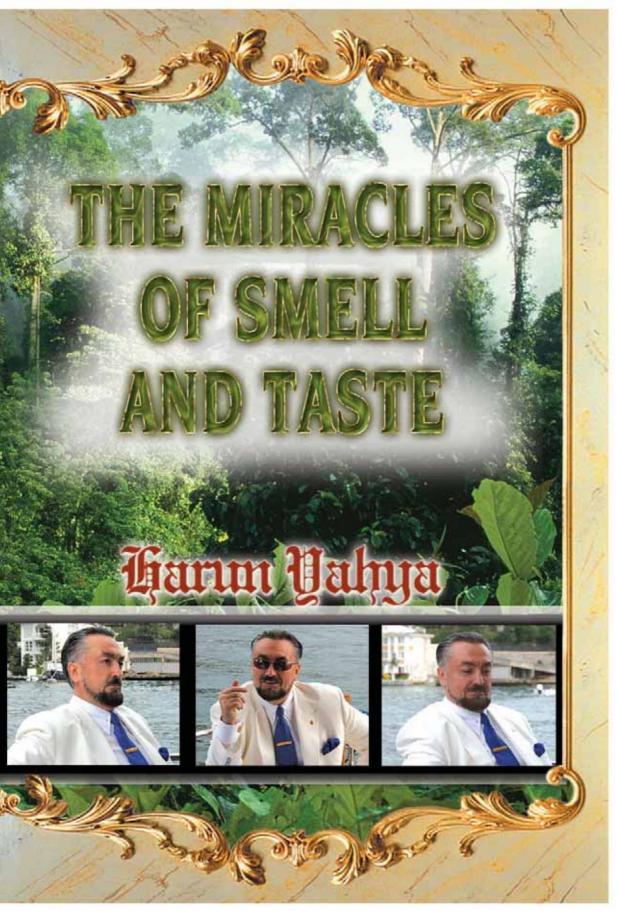
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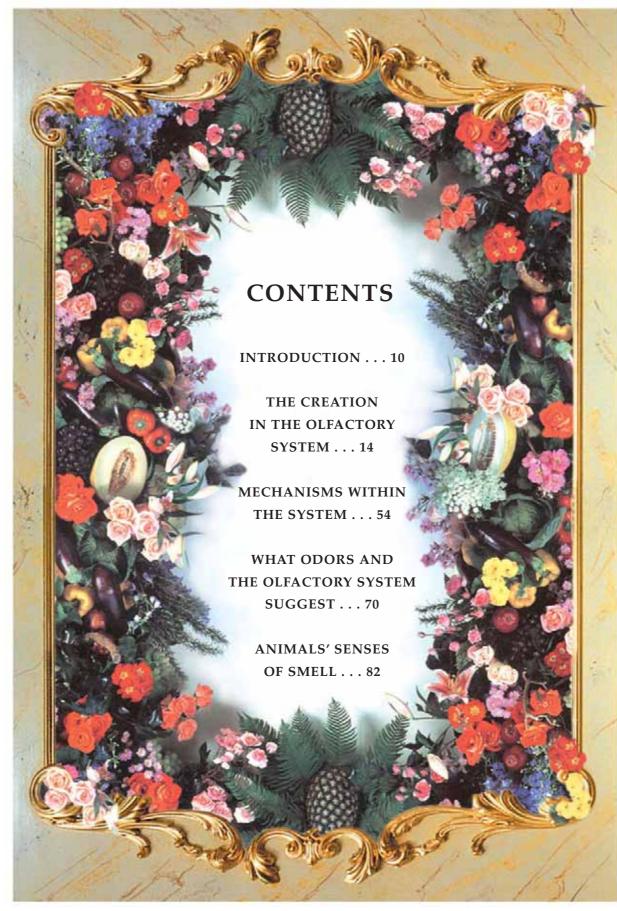
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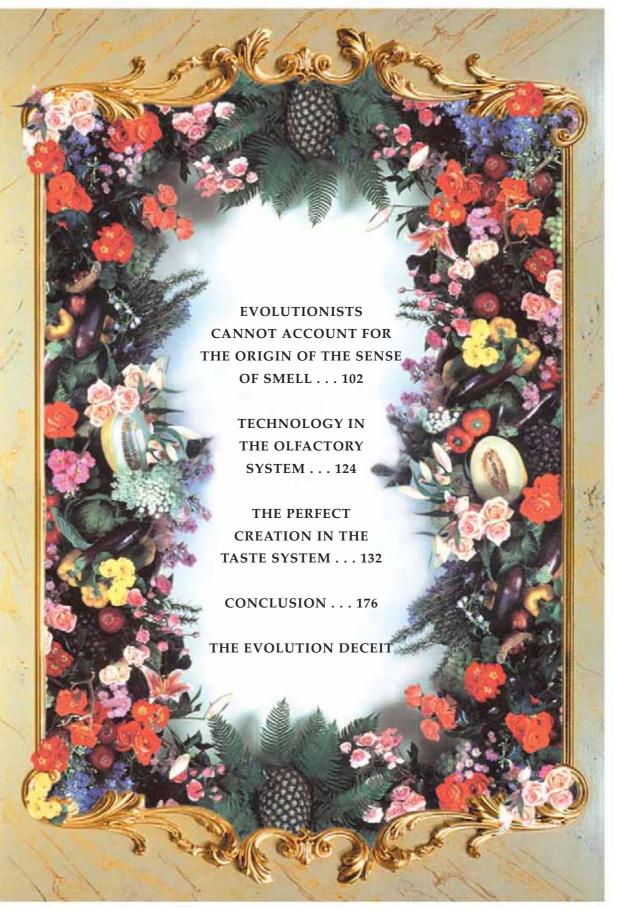
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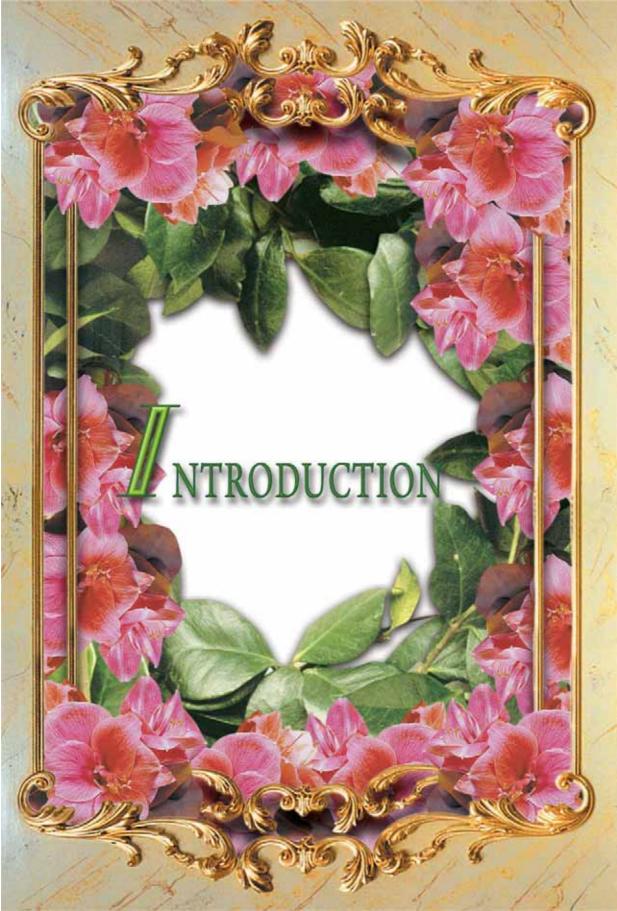


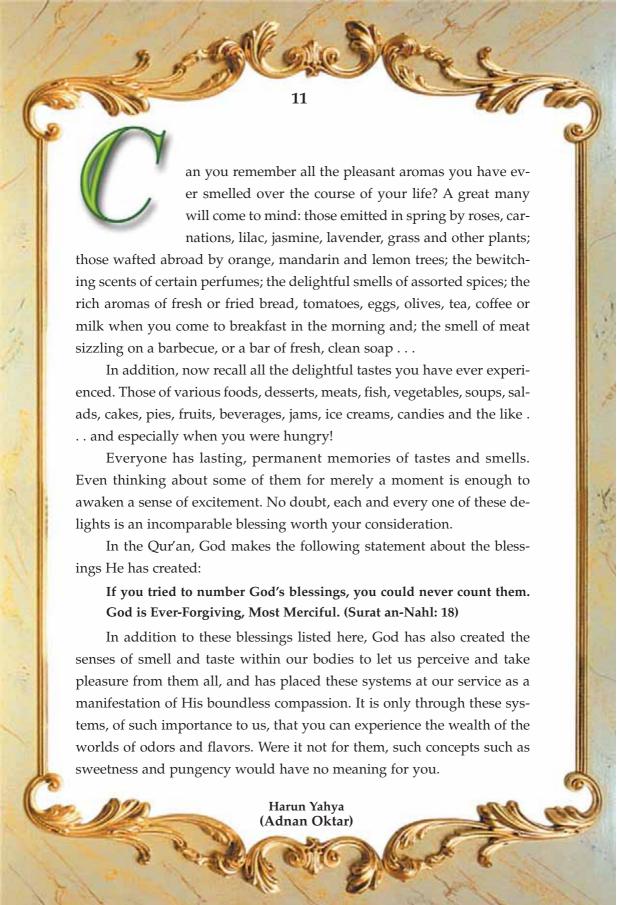


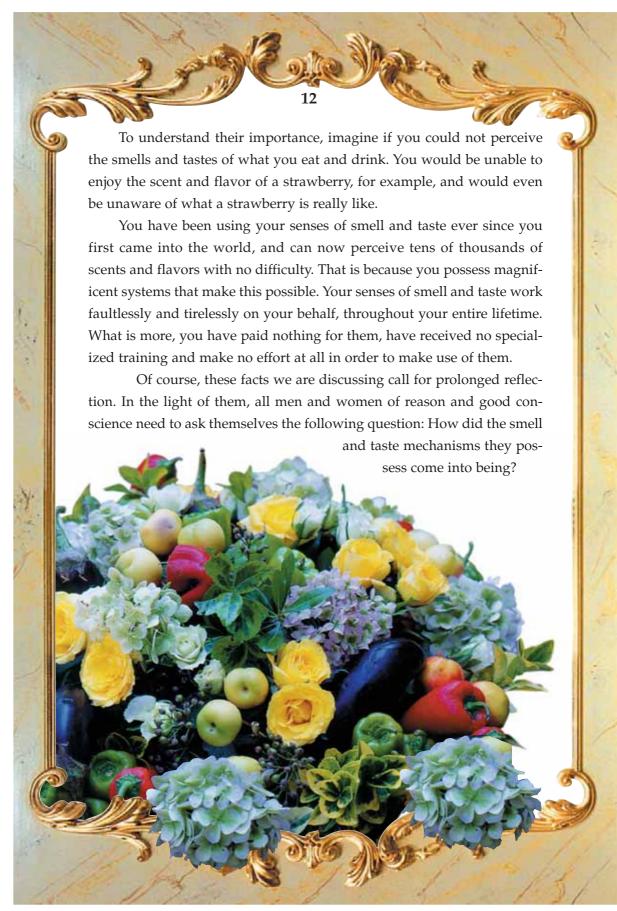












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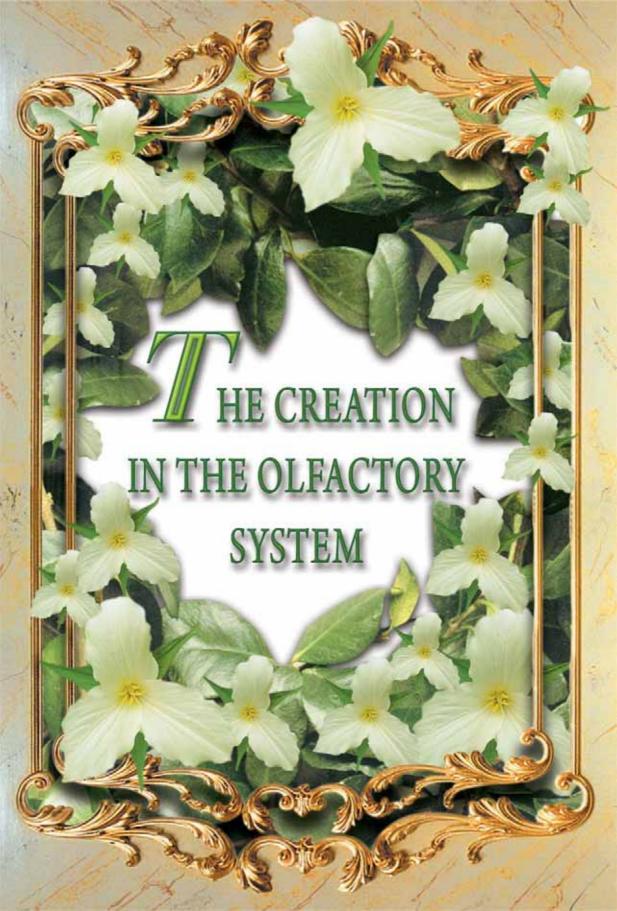
Most people think that it is sufficient to know that they smell with their noses and taste with their tongues, and are not concerned with the intricate details. Yet this is a serious mistake to make. Taste and smell are inseparable, essential elements of everyone's life, and it is terribly heedless for anyone aware of that to ignore the significant details that these senses present.

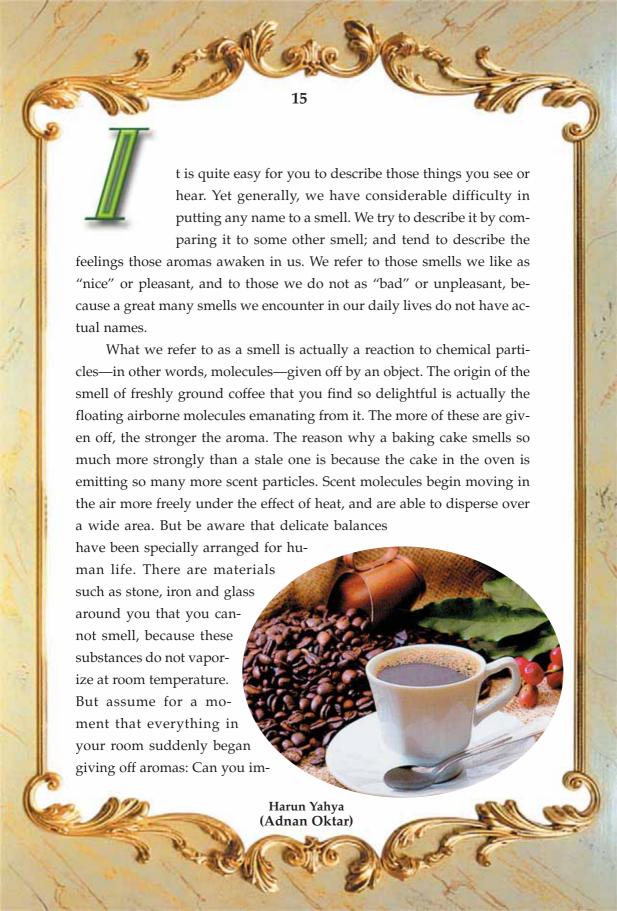
and brains?

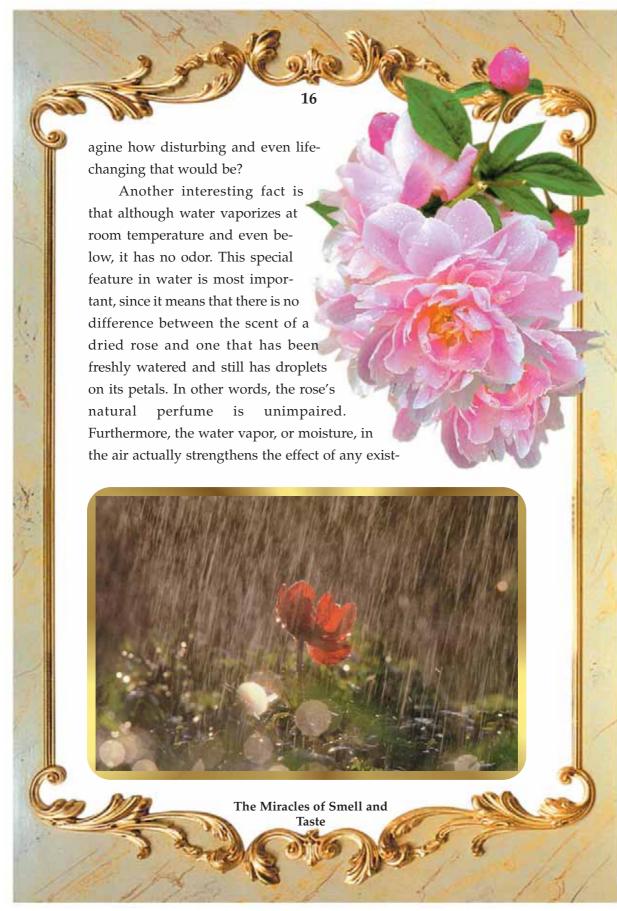
No doubt we owe these wonderful blessings, as we do absolutely everything else, to God, the Lord of the worlds. When we examine the systems of taste and smell, you can see how these flawless mechanisms constitute astonishing proofs of creation. The aim of this book is to set out the proofs of creation in these systems, to help you consider God's limitless might and knowledge, and properly comprehend the innumerable blessings bestowed on us by our Lord. At the same time, we will yet again demonstrate the irrational and illogical nature of the theory of evolution, which maintains that all these marvelous systems are merely the product of chance.

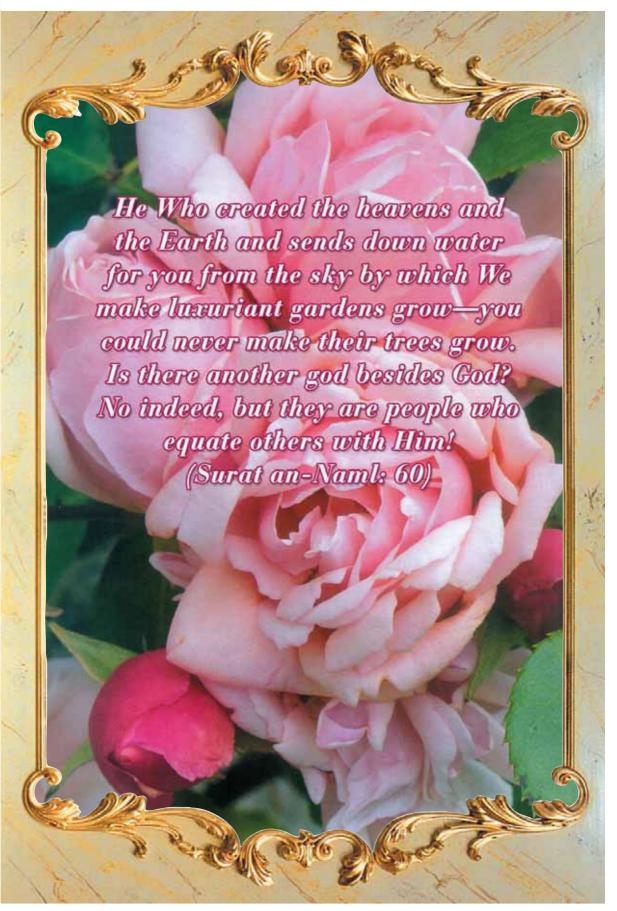
The flawlessness in God's creation is described with these terms in the Our'an:

He is God—the Creator, the Maker, the Giver of Form. To Him belong the Most Beautiful Names. Everything in the heavens and earth glorifies Him. He is the Almighty, the All-Wise. (Surat al-Hashr: 24)









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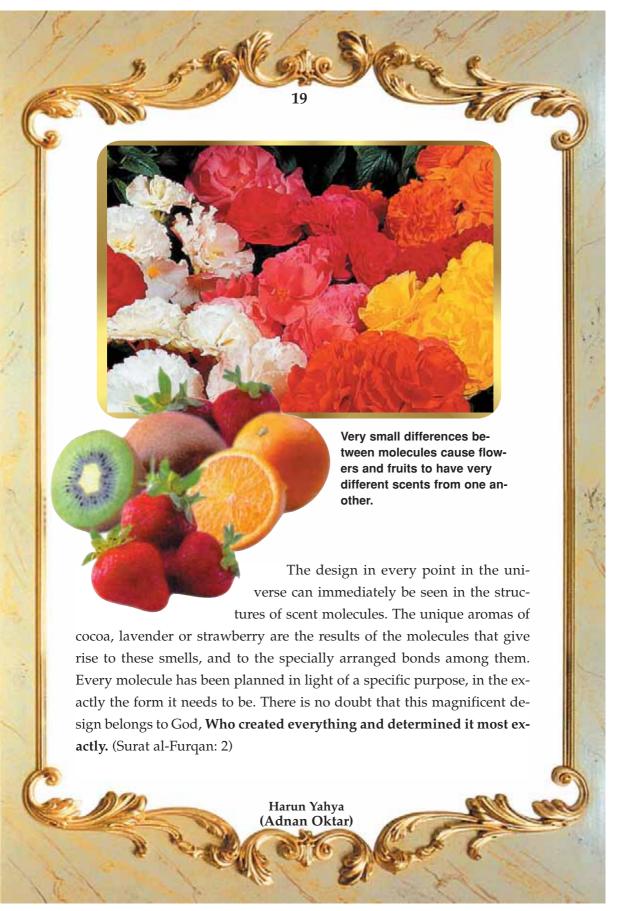
ing smell. For instance, water molecules that vaporize after a downpour of rain raise scent particles up into the air and assist in spreading the scent of flowers all around.

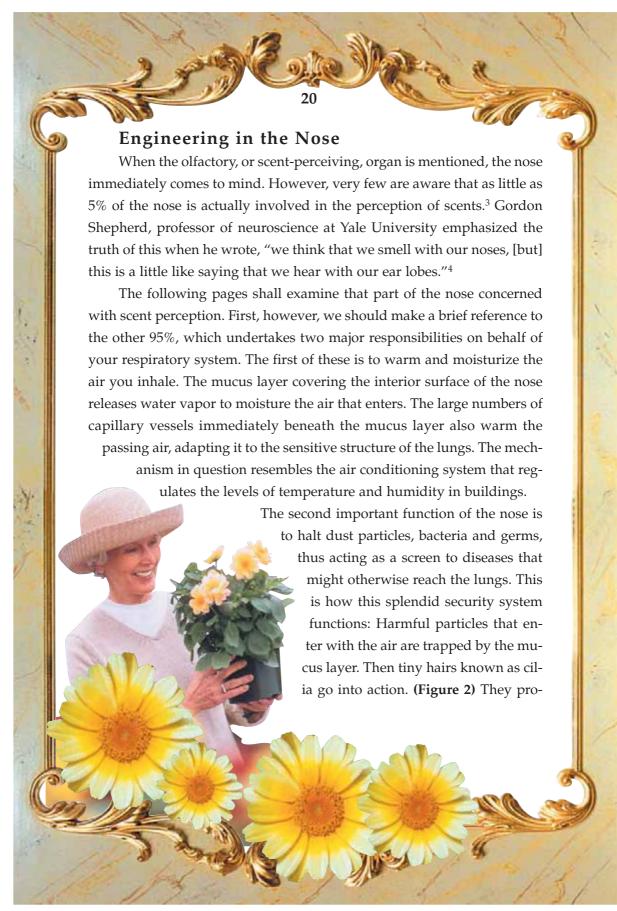
No one knows how many varieties of odors there are in nature. Bearing in mind the existence of millions of molecules, we may safely say that the variety of scents is enormous. Studies have been carried out to place these aromas into various categories. But due to the extraordinary variety of smells, no satisfactory classification has ever been achieved. <sup>1</sup>

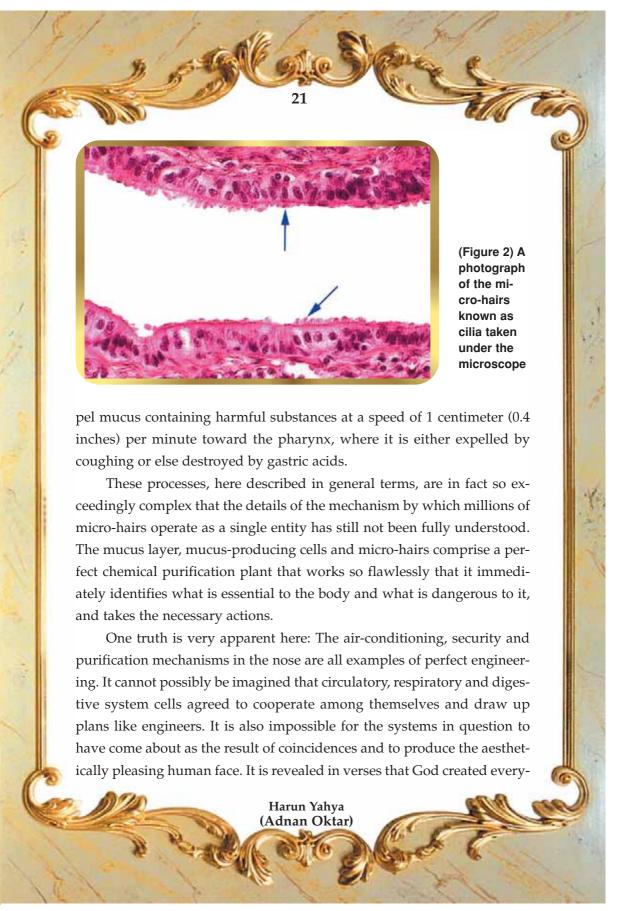
The microscopic variation between molecules gives any one smell its particular characteristics. (Figure 1) For example, the feature that differentiates a cooked, fresh egg from a rotten one lies in the structures of the particles the two eggs give off. Differences in the chemical structures between various molecules are based, in turn, on very delicate variations.<sup>2</sup> Indeed, the addition or subtraction of a single carbon atom can turn an attractive smell into a repellent one!

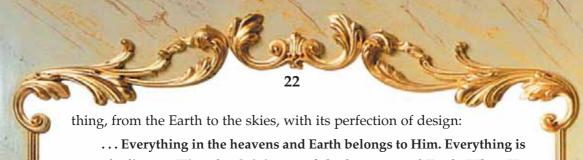
(Figure 1) The three derivative scents of the chemical substance whose structure is shown in (91) resemble that of the rose. Yet each is distinguished from the other two by a different smell. The scents of lilac and spices (92), ozone and fruit (93) and cinnamon, carnation, spices and lilac all smell like the rose mixed with these scents.

The Miracles of Smell and Taste









... Everything in the heavens and Earth belongs to Him. Everything is obedient to Him, the Originator of the heavens and Earth. When He decides on something, He just says to it, 'Be!' And it is. (Surat al-Baqara: 116-7)

## The Nose's Chemical Analysis Facility

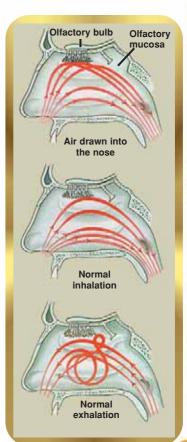
You breathe an average of 23,040 times each day.<sup>5</sup> During this constantly repeated process, your nose adapts air for the lungs in the most

appropriate manner. In doing so, it performs another very important task: It detects and monitors odors. (Figure 3)

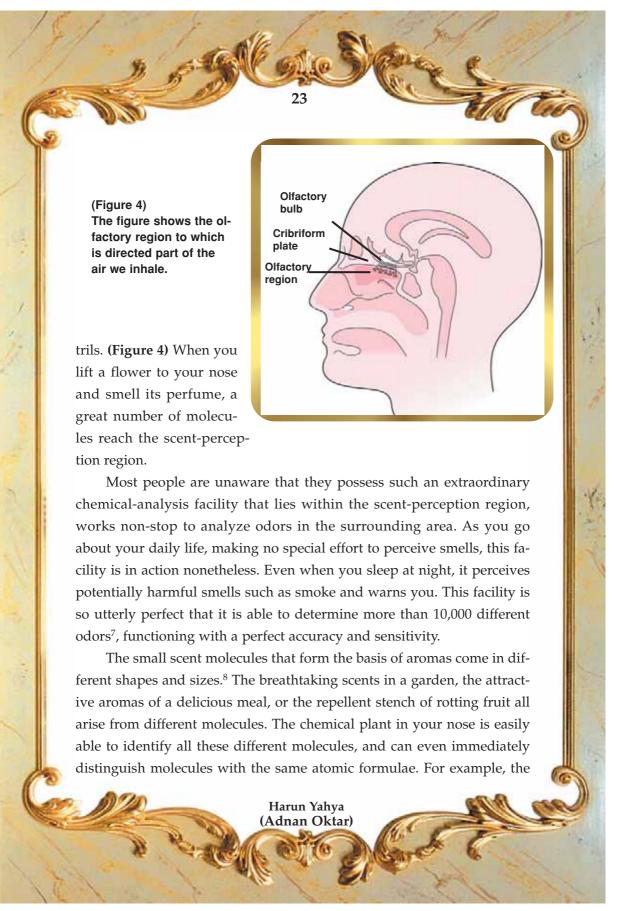
The total population of a sniff is a billion trillion molecules, nearly all of them normally in the mix we call air.<sup>6</sup> The scent particles, far too small to be seen with the naked eye, are contained within this enormous quantity of molecules. After you have breathed in, special turbinate bones in the nose direct a portion of that air to the scent-perceiving region. In this way, scent molecules arrive at a region in the upper part of the nasal cavity, some 7 centimeters (2.756 inches) inside and above the nos-

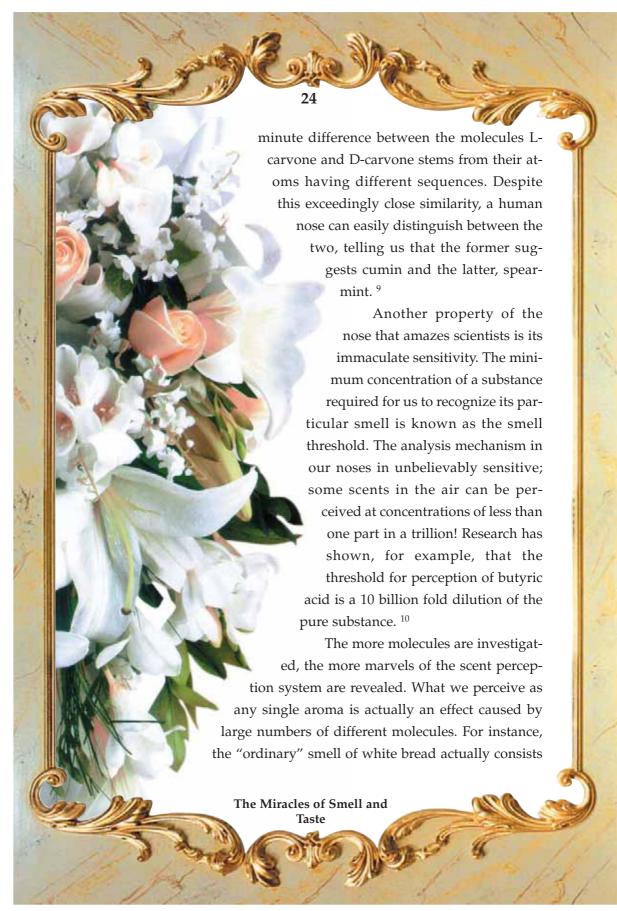
(Figure 3)

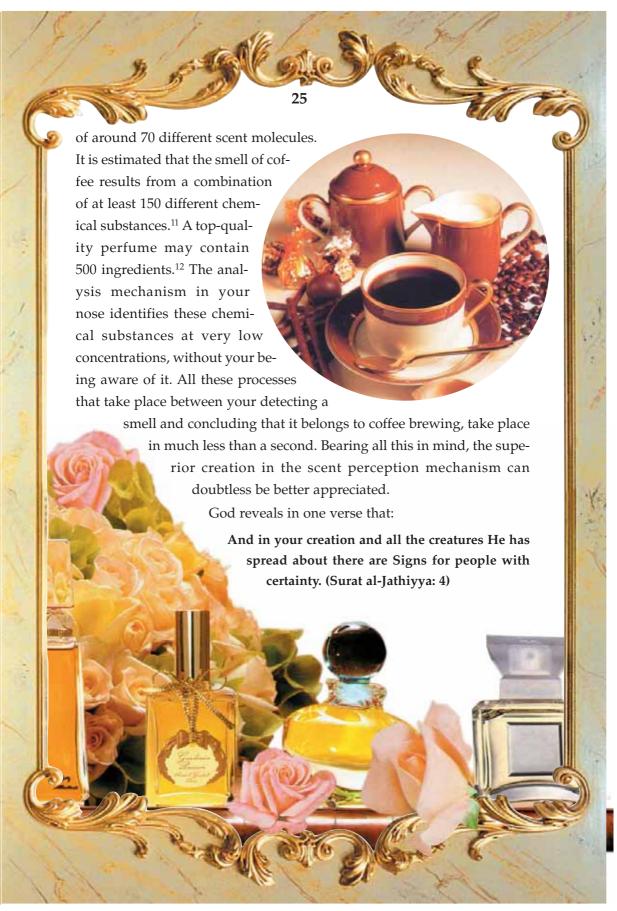
We breathe in and out through our noses all day long. Our noses adapt the air that enters it to the lungs in the finest way and direct part of that air to the olfactory region, and thus we perceive smells at the same time.

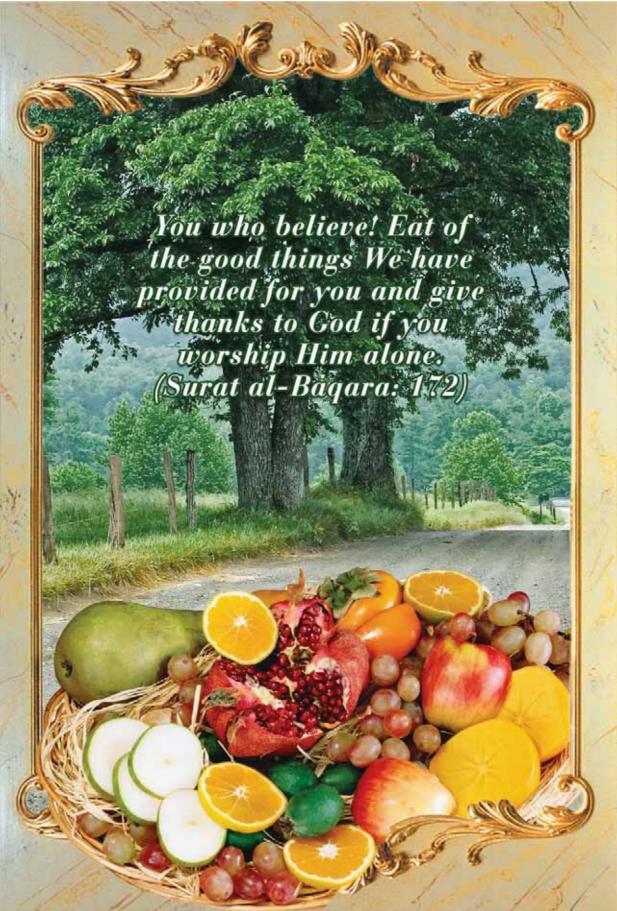


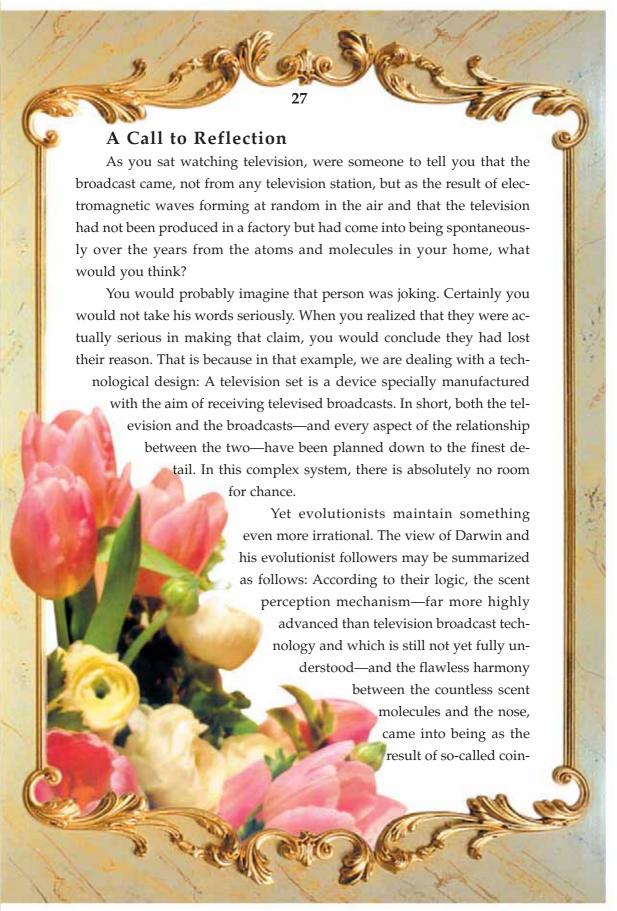
The Miracles of Smell and Taste

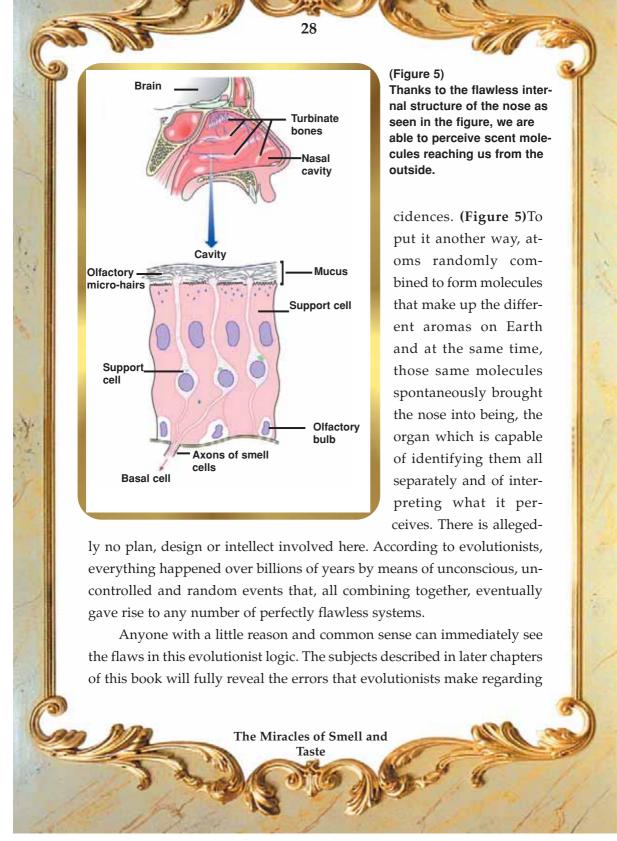


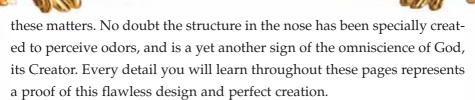












Indeed, in the Qur'an God has revealed this harmony and flawlessness that can be seen everywhere on Earth:

He Who created the seven heavens in layers. You will not find any flaw in the creation of the All-Merciful. Look again—do you see any gaps? Then look again and again. Your sight will return to you dazzled and exhausted! (Surat al-Mulk: 3-4)

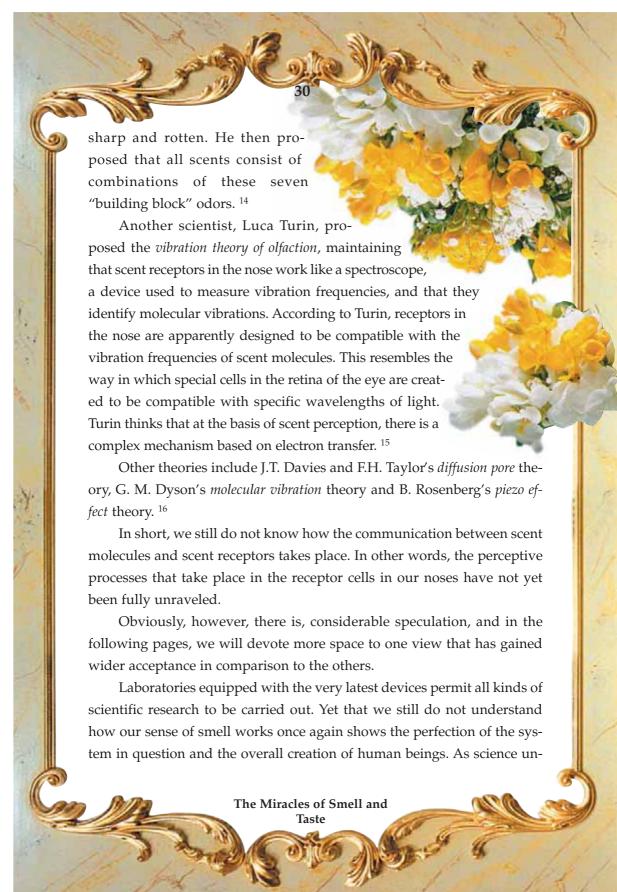
### Theories of Scent Perception

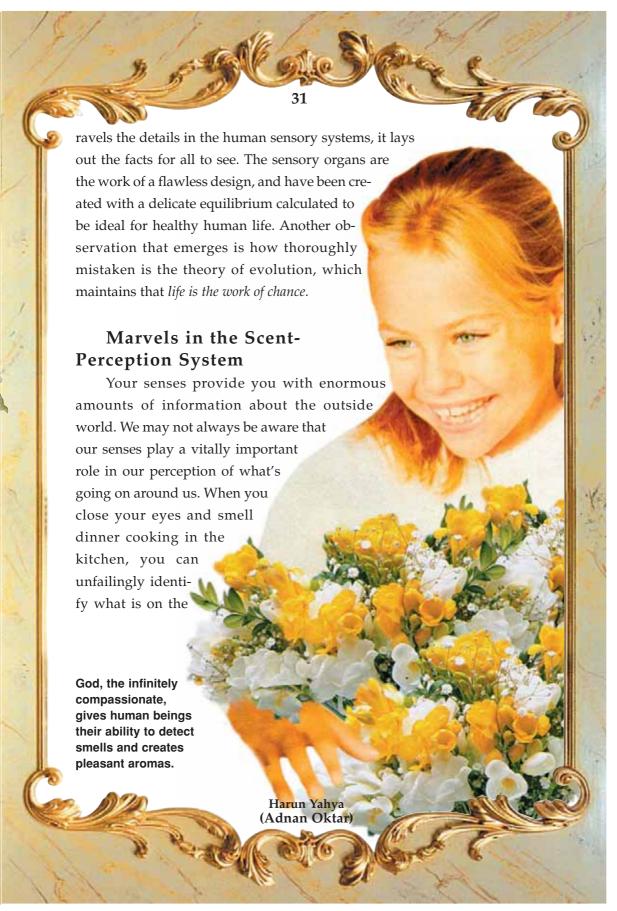
You wake up in the morning to delightful aromas emanating from the kitchen. Even as you think to yourself, *How good that smells*, you are unaware of all the processes going on inside your nose. But just what is happening in your nasal cells at that moment?

Scientists have been trying to answer this question for many years, but have still failed to fully unravel how the scent- perception cells recognize particles in the air. What they do know goes no further than theory. Indeed, less is known about scent perception than about our other senses.<sup>13</sup>

At present, one of the most widely accepted theories, first proposed by R.W. Moncrieff, is known as the *steric theory*, according to which, scent particles come in different shapes and sizes, and combine with receptors unique to them in the olfactory region. The relationship between the receptors and the scent particles is comparable to that between a lock and a key. In the same way that a lock can be opened only by a particular key, so scent receptors go into action as a result of the effect of certain molecules only.

John E. Amoore developed this theory further, and determined seven main smells, which he termed ether, camphor, musk, flower, mint,





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menu. By scent alone, you can tell whether or not the dinner is cooked, or whether something in the refrigerator has spoiled. We can also identify a great many environments, such as hospitals, restaurants, markets, schools or our own homes, from their odors alone.

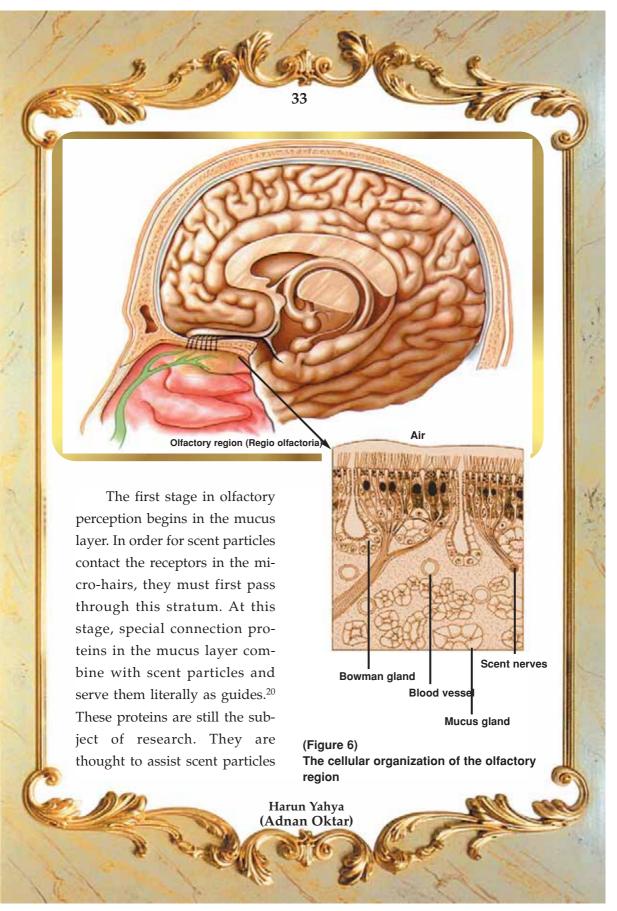
Your capacity to detect smells is much greater than you imagine. Some researchers even say that it would be a mistake to reduce this capacity to a numerical figure, since our sense of smell is able to distinguish between countless different odors.<sup>17</sup> Let us now look more closely at the marvels of creation that make up this supremely competent and highly accomplished system.

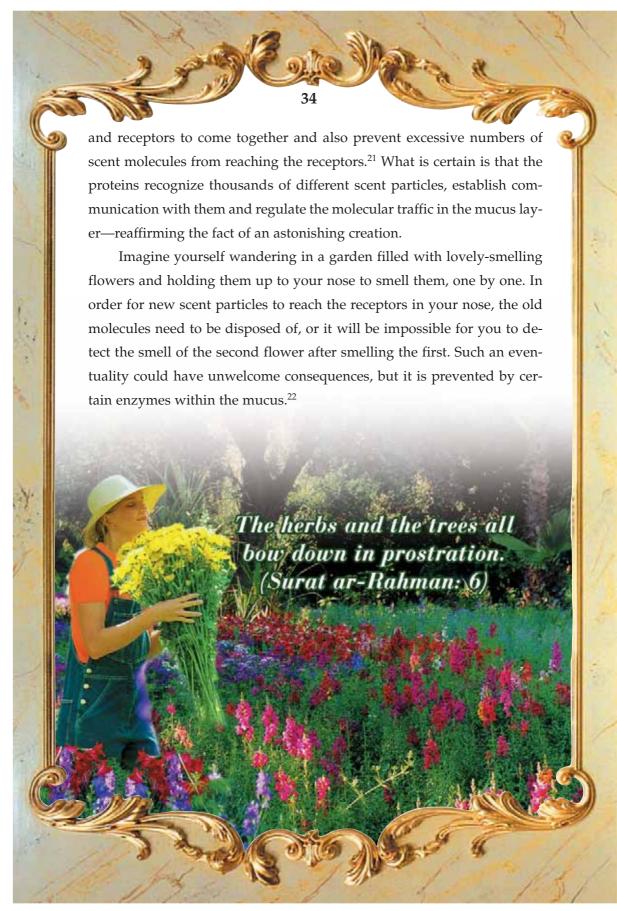
### The Unbelievable Motion in Mucus

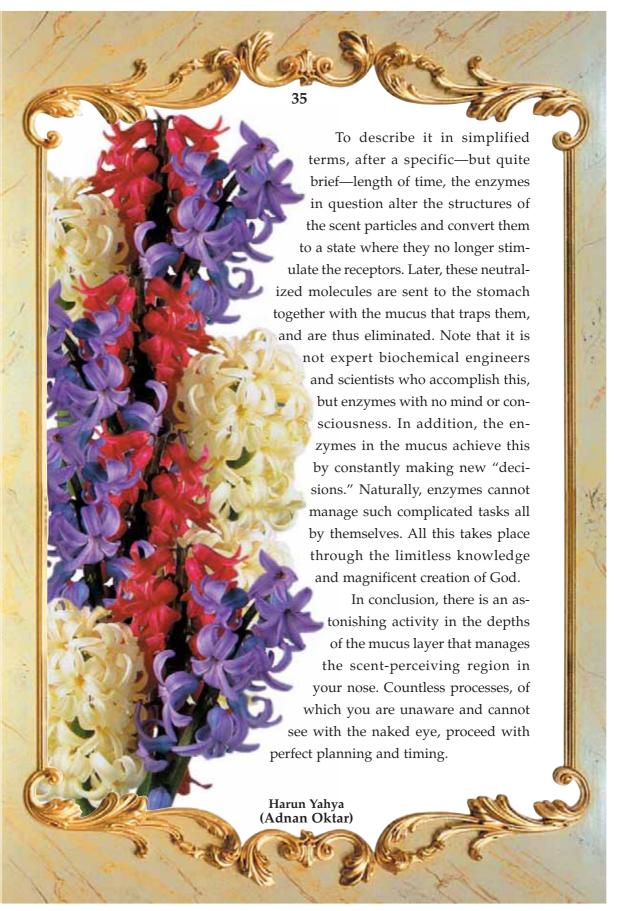
Two olfactory regions (*Regio olfactoria*) are located in the roof of the two nasal cavities of the human nose, just below and between the eyes. (Figure 6) The region occupies 2.5 square centimeters (0.39 square inches) and is covered in mucus secretions. Mucus is a sticky fluid secreted by *Bowman's glands*. The mucus layer covering the olfactory region is about 0.06 millimeter (0.023 of an inch) thick.<sup>18</sup> If this layer were even slightly thicker, your capacity to perceive smells would decline considerably. The reason why your ability to perceive smell decreases when you catch a cold is because mucus production is increased. If the thickness of the mucus were any less, then your body's immune system will be weakened and the olfactory micro-hairs in the mucus layers could easily be damaged.

The basic functions of mucus have been known for some time. Among other things, it prevents drying inside the nose and constitutes a defense against foreign chemical substances. But only recently was it realized that mucus has a most organized structure and constitutes a most ideal environment. Indeed, it is a very rich mixture of proteins, enzymes, mucopolysaccharides, immunoglobulins and lipids.

The Miracles of Smell and Taste



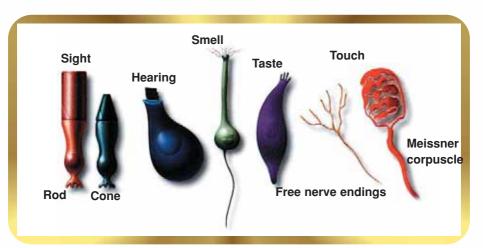




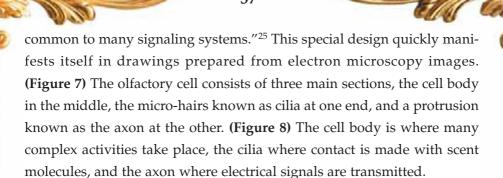
## Wonderful Messengers: Scent Cells

Scent receptors are actually nerve cells whose main function is to carry to the olfactory bulb the messages triggered by scent molecules. Views in the scientific world differ as to their numbers. Some researchers put the figure at 10 million<sup>23</sup>, and others at around 50 million.<sup>24</sup> Millions of scent cells in the olfactory region—which is no larger than the smallest postage stamp—are arranged in an astonishing regularity. If you possessed all technical means and were asked to place millions of cells in exactly the right locations, could you do it? Such a task would of course be impossible. After all their years of research, scientists have been unable even to determine the exact number of cells, let alone set out millions of them, showing that this task is of course impossible.

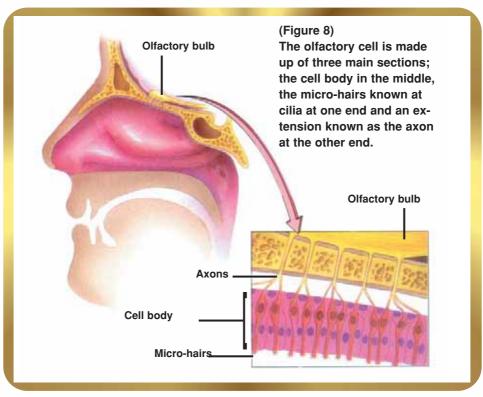
Within the scent cell itself, there is also a striking division of labor. As the well-known researcher Stuart Firestein points out: "The olfactory system accomplishes its sensory tasks with biological mechanisms that are



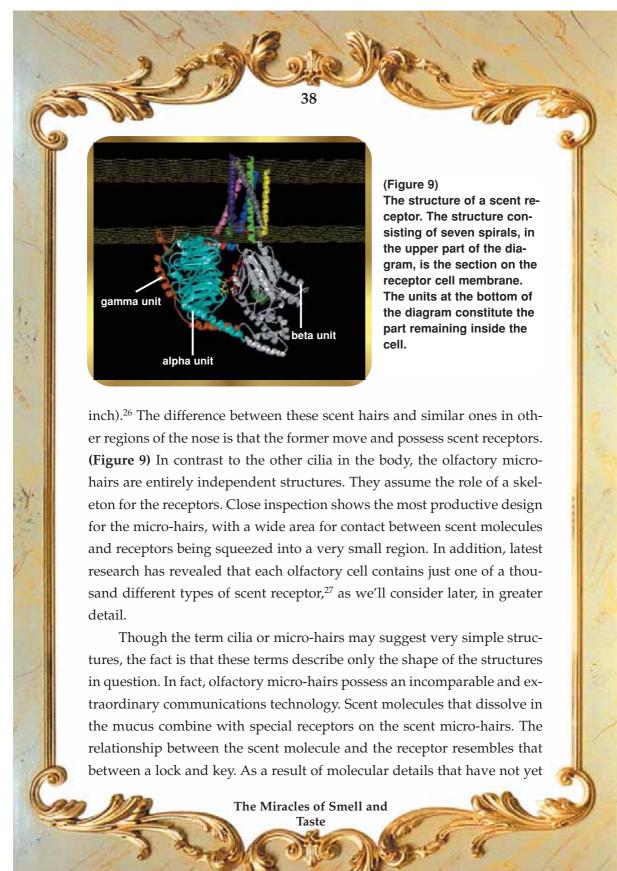
(Figure 7)
Some cells in the sensory systems. As we can see, each sense cell has a special design.

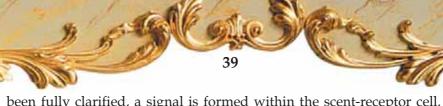


The number of micro-hairs at the end of the cell ranges between 10 and 30, and their lengths between 0.1 and 0.15 millimeters (0.0039 to 0.006



There are between 15 and 20 million scent cells in the nose. Each one survives for about a month and is then replaced by others.



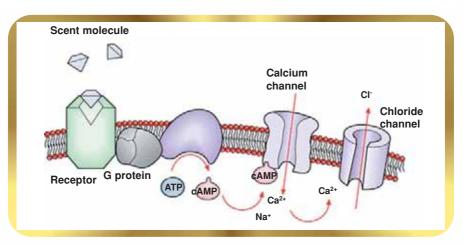


been fully clarified, a signal is formed within the scent-receptor cell. At this stage, a great many proteins and enzymes unfailingly discharge the responsibilities placed upon them.

The process by which scent-receptors turn the characteristics of scent molecules into electrical signals is rather complicated. At present, only two of the communication networks in the scent-receptor cells are known. In the very simplest of terms, the communication can be summarized as follows:

Let us first examine the communication established by means of cAMP (adenosine 3',5'-cyclic monophosphate). (Figure 10) When scent molecules combine with the receptors, a rapid sequence of processes begins within the scent receptor cell. First, the G-old protein is brought to an active state and sets the enzyme AC into action. AC accelerates the transformation of ATP in the cell into cAMP—a messenger bound to the channel that joins the cilia to the cell membrane.

This results in the channels opening up and calcium ions entering the



(Figure 10)

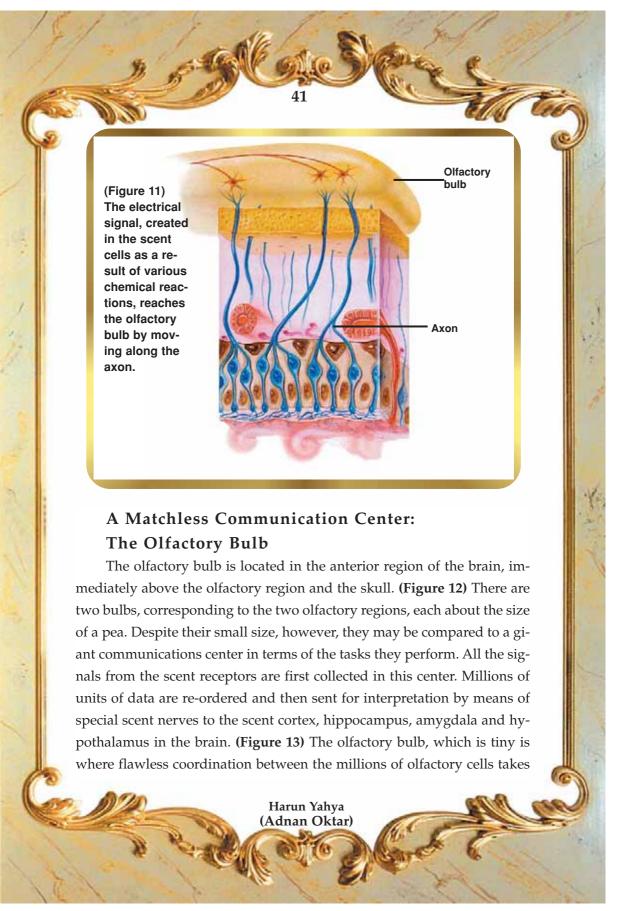
The main stages of the cAMP communication line that forms in the cell when the scent molecule bonds to the scent receptor.

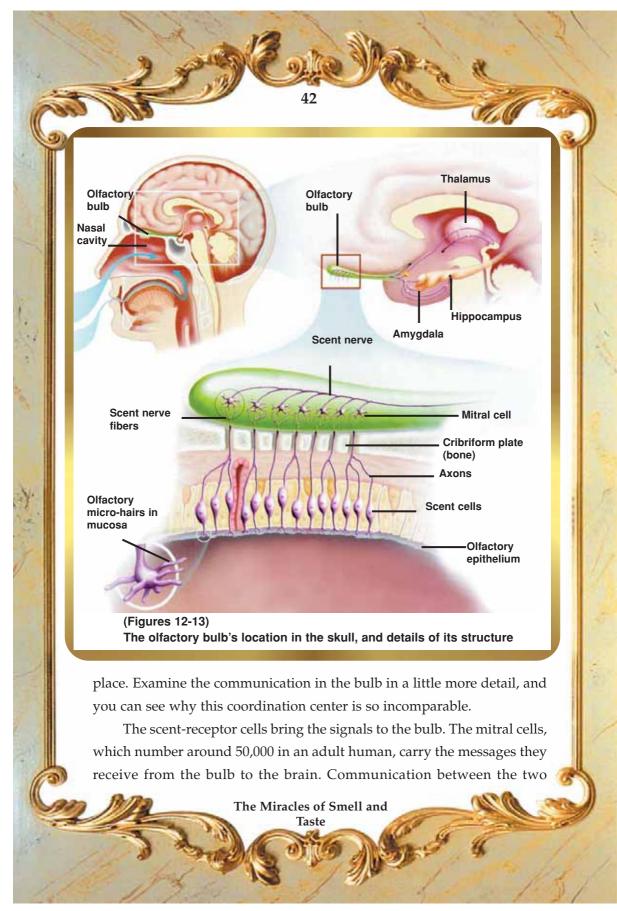
cilia. Entry of the calcium ions causes the chloride channels to open, and chloride ions leave the cilia. In this way, a cell with an initial negative charge becomes without charge and an electrical signal forms as a result of this series of chemical reactions, moving along the cell axon to reach the olfactory bulb.

Some scent molecules do not affect the level of cAMP, but instead raise the concentration of IP3 (inositol 1,4,5-Triphosphate), which initiates the process that releases the electrical signal in the cell. The stages of the chain reaction of this cellular communication line have not yet been fully understood.<sup>28</sup> However, the communication within these minute cells is clearly the product of an astonishing design.

While all this is taking place at one end of the olfactory cells, astonishing processes are occurring in the axons at the other end. The axon carries the signal emerging in the cell to the olfactory bulb in the anterior region of the brain. (Figure 11) In order to reach the bulb, neuronal cells form axons that are bundled in groups of 10-100 to penetrate the ethmoidal cribriform plate,<sup>29</sup> whose porous structure allows the olfactory nerves to pass through it. The design in this part of the skull is just one factor that enables you to perceive odors. Otherwise it would be impossible for the nerves to establish communications with one another, and thus to transmit olfactory signal. If all the necessary elements comprising the olfactory system were present, but nerves' passage through the bone was impeded, then you would be unable to smell. No doubt, every detail in this system is wholly indispensable.

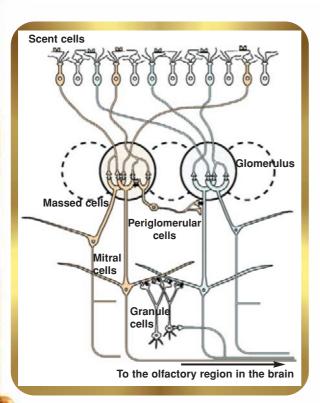
To summarize these facts in a single sentence: The flawless communication in the olfactory cell is the result of special design, and that design is just one of the countless proofs of the splendor in creation.





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When we consider these figures as a whole, the most astonishing numbers emerge: Messages from millions of scent cells are transmitted to tens of thousands of mitral cells. (Figure 14) Millions of units of information are thus exchanged between cells in intervals as short as a few thousandths of a second, and in a flawless manner. (No space is devoted to the marvels of communications in the neurons here. For more detail on this



## (Figure 14)

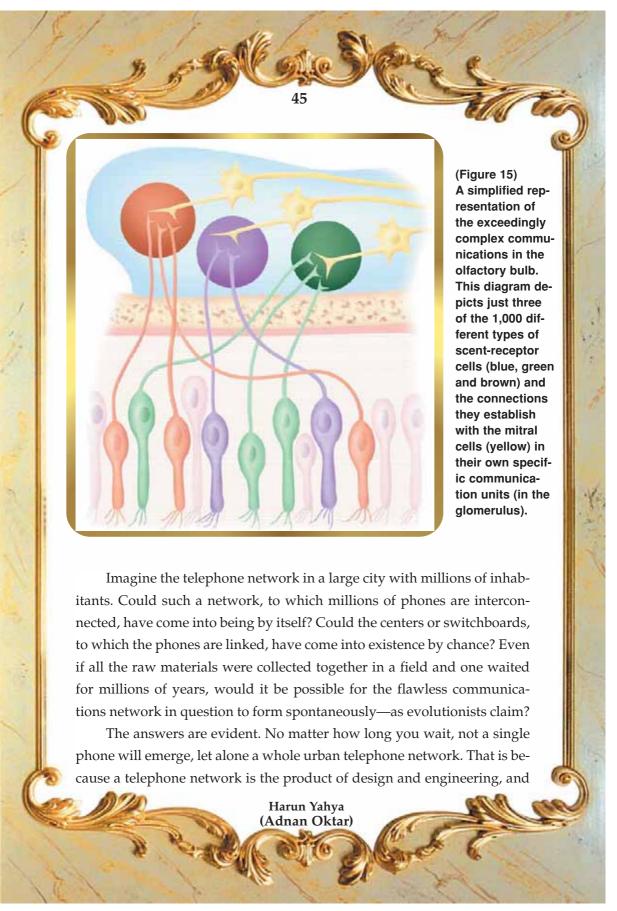
The creation in the olfactory bulb is exceedingly complex. The diagram to the side shows just two scent cells (brown and blue) with different receptors, two glomeruli and a few cells. Remember, there are tens of millions of scent cells, thousands of different scent receptors, 2,000 glomeruli, and tens of thousands of mitral cells, massed cells, granule cells and periglomerular cells in the scentperception system. When all this is borne in mind, the complexity involved can be better understood.

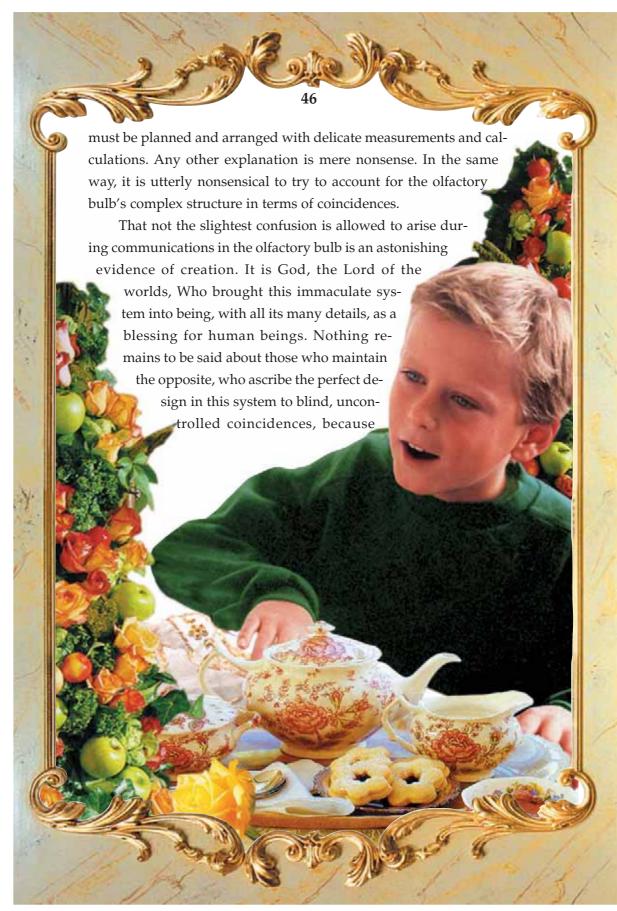
subject see, Harun Yahya, *The Miracle of Hormones*, New Delhi: Goodword Books) In addition, the information from every receptor is collected in the bulb, rearranged and organized to further increase scent sensitivity—in other words, a more perfect result is obtained than existed before. <sup>32</sup>

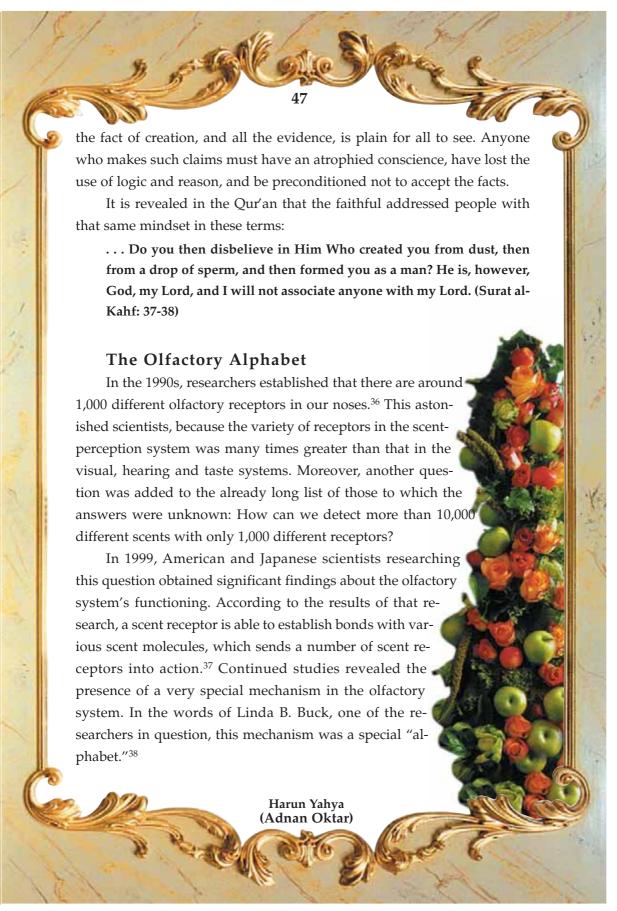
For an analogy of this error-free communication, assume that specific information is carried along million telephone lines, and that at a switchboard, the number of these lines is suddenly reduced to a thousand. In such an event, it is impossible that there will be no loss of the original information or errors in its transmission. It is not possible to prevent it, even using advanced technology. However, scent cells continue to perform the same function, in a flawless manner, throughout your life. The message transportation in the bulb is the product of an amazing creation.

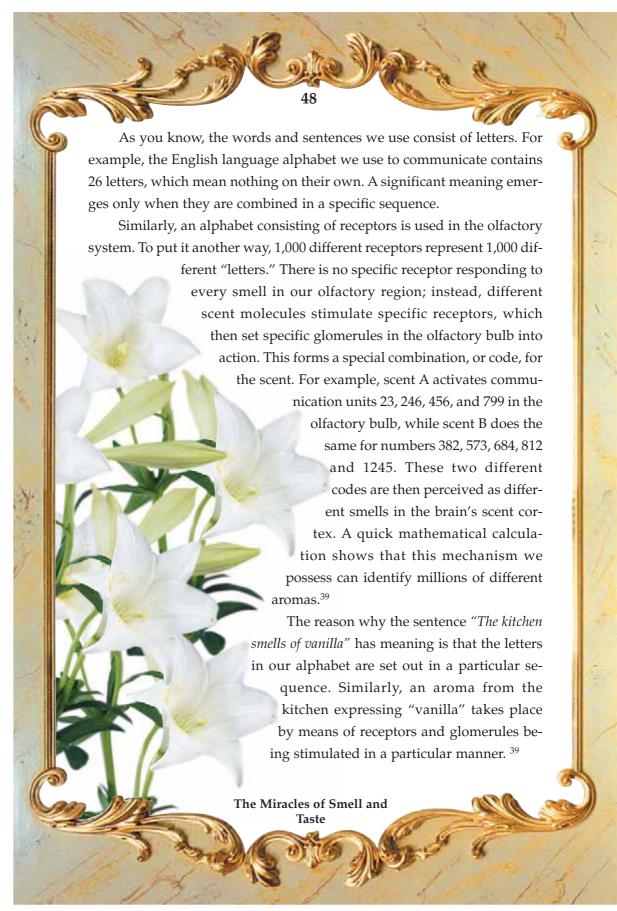
Recent research has revealed a great many marvels of design in the olfactory bulb. The connections established by olfactory cells with the communication units in the bulb take place with an enormous order and regularity. The glomerulus to which every scent receptor cell will transmit is predetermined, so that signals from the same kind of receptor meet at a particular glomerulus. Each one of the millions of olfactory cells, from different areas of the olfactory region, come to one of some two thousand glomerules.<sup>33</sup> (Figure 15) The common view of the researchers who discovered this is that data from the different receptors is installed in an exceedingly organized manner.<sup>34</sup> Each one out of millions of cells finds exactly the right one out of two thousand alternatives—which once again shatters all the claims of evolutionists who try to ascribe complexity to sheer chance.

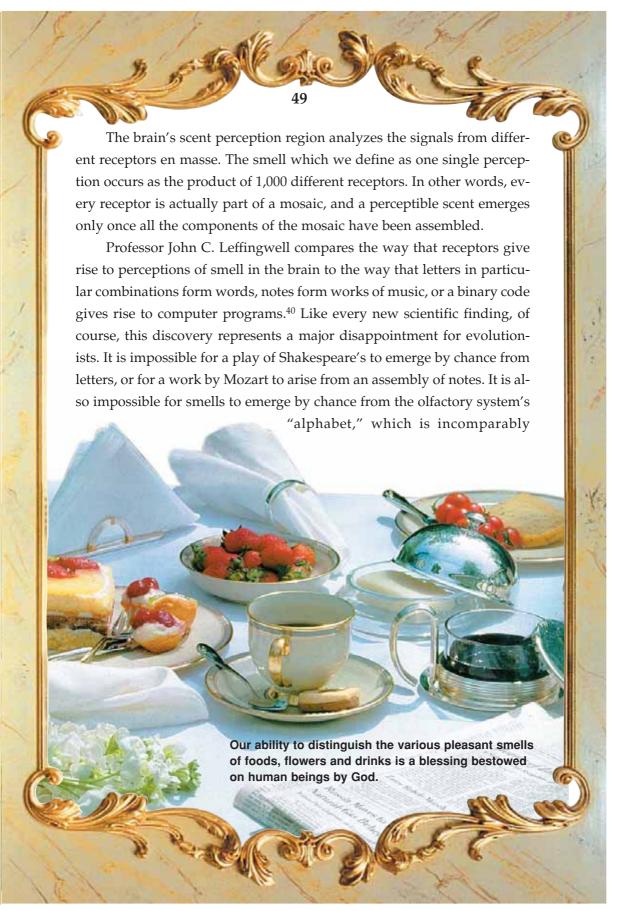
Other cells in the olfactory bulb are *periglomerular* and *granular* cells, which go into action when the flow of messages needs to be halted, and are thought to play a preventive role.<sup>35</sup> So complex are the control mechanisms here that the system is still not yet fully understood.





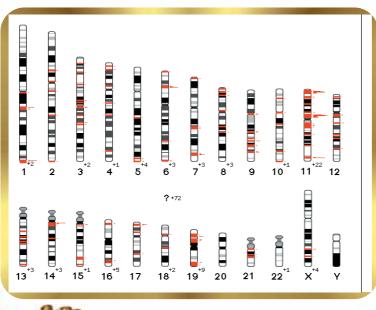




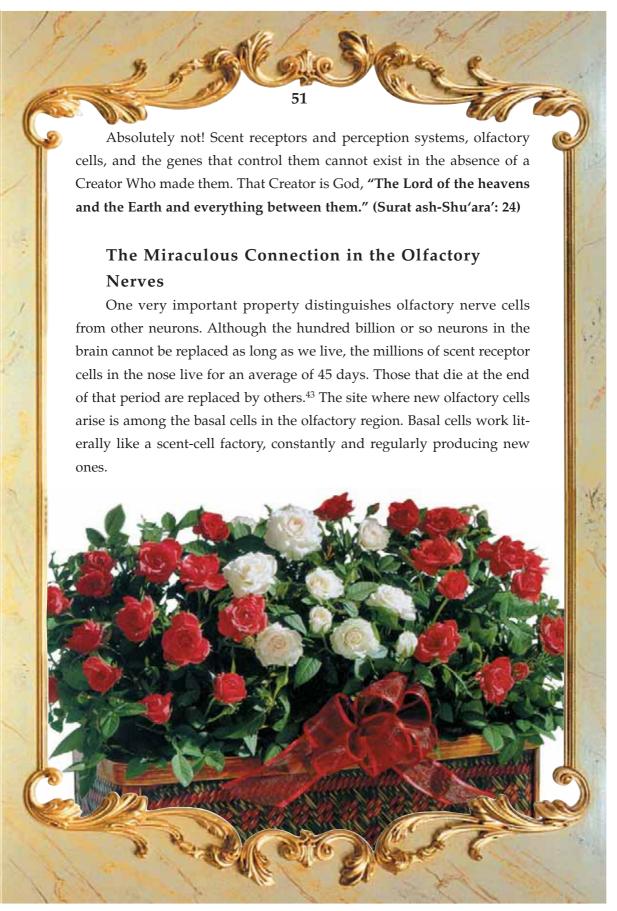


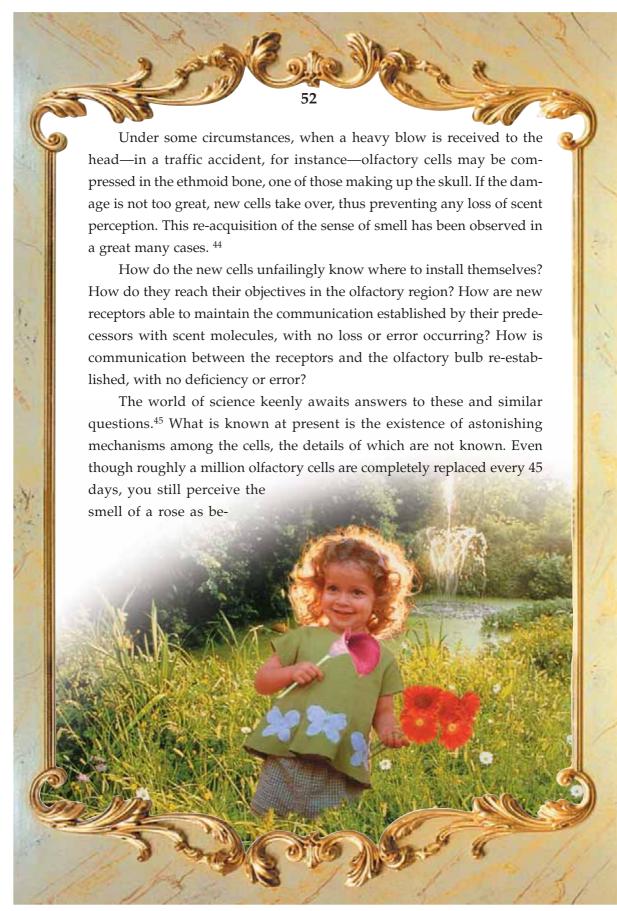
more complex. Even the word impossible fails to do justice to its scale.

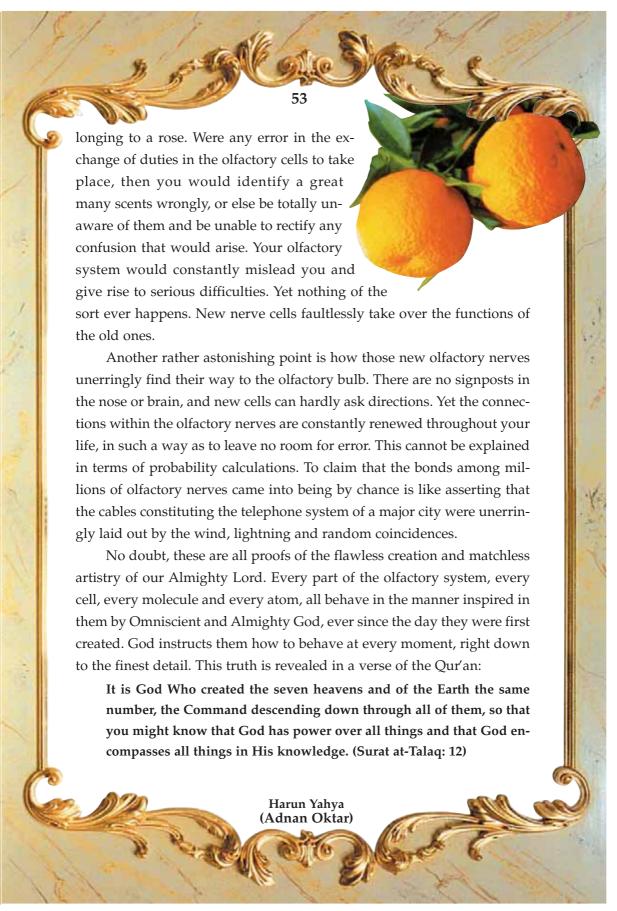
Therefore, even if evolutionists believe that scent receptors formed by chance, that still does not release them from the quandary in which they find themselves, because these receptors are controlled by some 1,000 genes. To express it even more clearly, scent receptors are produced in the light of a pattern previously encoded in the genes. And scent-receptor genes are distributed throughout all the chromosomes, apart from chromosome 20 and the Y chromosome. (Figure 16) It is impossible for the genetic coding for a single scent receptor form spontaneously, or as the result of chance. If all the rational, conscious humans who lived prior to the 20th century, and were therefore ignorant of how a computer works, were collected together, they could still never write an ordinary computer program. That being so, can one really expect blind, unconscious atoms to write the genetic codes for receptors to perceive the aromas of flowers, fruits and countless chemical substances?

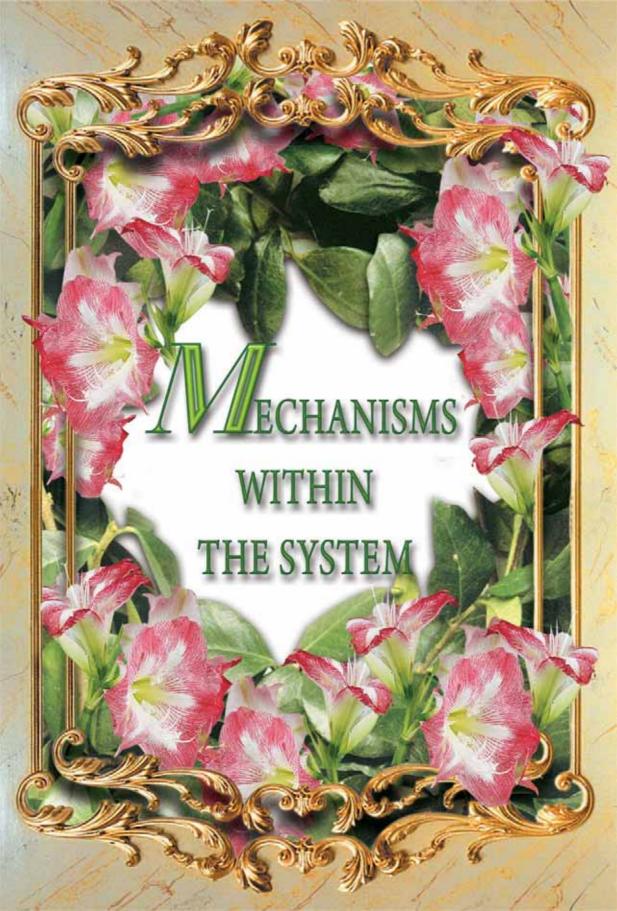


(Figure 16)
With the exception of chromosome 20 and the Y chromosome, there are scent-receptor genes in all human chromosomes. The richest chromosome, in terms of scent receptor genes, is chromosome 11.











hemical substances are often imagined to be perceived only through the senses of smell and taste. Yet this is not the case, because there are also at least two known systems: pain receptor nerves and the *vomeronasal* organ.

Throughout the nasal cavity, including the olfactory region, are dispersed the ends of pain-receptor nerves that react to stimuli that lead to feelings of pressure, pain, heat and cold. For example, these nerves transmit to the brain signals that cause the sharp, burning sensation of ammonia. Were it not for the pain receptors in your nose, you could not detect various gasses that are harmful to your health. Thanks to the design in question, however, unfortunate consequences that might result in injury, or even death, are avoided.

In comparison with scent receptors, these nerves are less sensitive and are thought to play an important complementary role in scent perception. <sup>46</sup> Menthol is known to produce a cooling sensation in normal concentrations, but a hot one at high concentrations. The special design at the ends of the pain-receptor cells allows us to perceive this difference.

Some scent particles produce no effect in the olfactory region. These special chemical signals are known as pheromones. A special organ in the nose has been created to detect *pheromones*. Known as the vomeronasal organ (VNO), this structure is of a tube- shaped, about 1 millimeter (0.04 inch) in length, and located in the inner part of the nose, just above the cartilage dividing the two nostrils. (**Figure 17**) It is a different sensory organ whose chief function is to receive the messages carried by pheromones, convert them into a form the brain can understand, and then forward them by means of special nerves directly to the relevant brain regions. (**Figure 18**) This organ's functions are not yet fully understood, and are the subject of debate among scientists.<sup>47</sup>

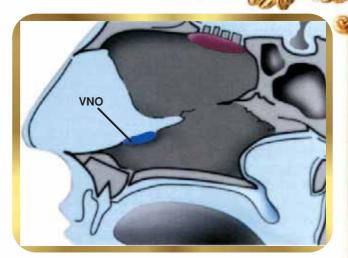


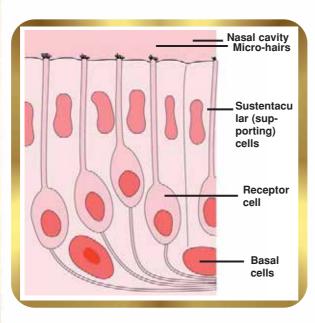
(Figure 17)
Side: The location of the vomeronasal organ (VNO) in the

nose.

(Figure 18)

Below: The cellular organization in the vomeronasal organ.





But it has already emerged that the VNO is of vital importance to some insects and animals. For example, the social, reproductive and hunting of snakes with damaged VNOs becomes impaired. Rats with no sexual experience and whose VNOs were surgically removed were unable to mate, although their other organs functioned perfectly. 48

We know for certain that there are unknown mechanisms in the olfactory region in our noses. For example, consider the relationship between color and odor sensitivity. This region is light yellow in human be-



ings but brown in dogs. The color element is thought to influence scent detection capacity, although the link between them is not understood.<sup>49</sup>

Every new piece of scientific research lets us become better acquainted with the marvels of creation. Maybe as-yet-unknown perfect systems in our noses will be brought to light. These will be a new means of giving thanks in the manner that we should to God, the Lord of boundless affection and compassion Who created them.

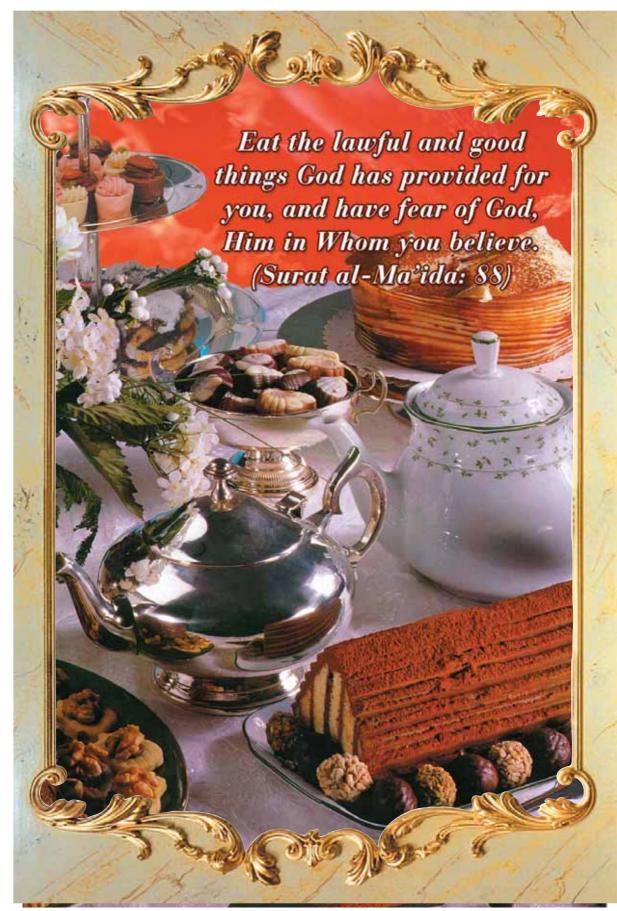
## **Adaptation Mechanisms**

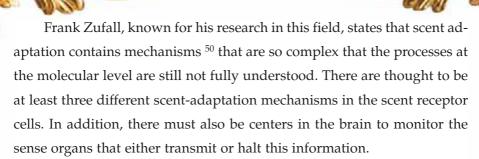
As you sit reading these lines, you have practically no awareness of the presence of the clothes you wear, despite their close contact with your skin.

You feel clothes when you first put them on, but that feeling soon disappears, because receptors in your skin stop sending messages to the brain. Were it not for this marvelous system, everyday actions such as wearing clothes would become intolerable. You would also be unable to perceive other signals because your clothes distracted you, and your life would become very difficult indeed.

A similar process applies with the sense of smell. When you enter a restaurant, you immediately perceive the cooking aromas. A short while later, however, you become unaware of them. Yet there has been no reduction in the level of those heavy smells. You have simply grown accustomed to them. A special mechanism known as adaptation causes this change in sensitivity, although the aroma itself does not change in the least.

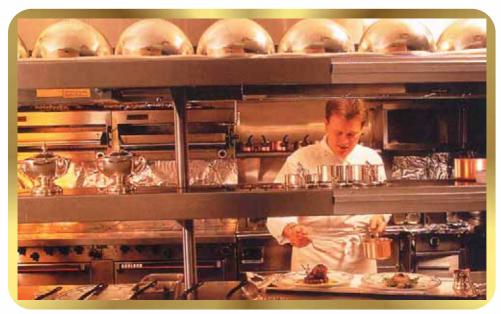
To grasp the importance of this mechanism, consider the cooks who work in a restaurant kitchen full of dense odors. If their sensitivity to the ambient smells did not decrease, their situation would be exceedingly uncomfortable. And their scent receptors, kept constantly busy, might be unable to detect any dangers—a gas leak, for example.



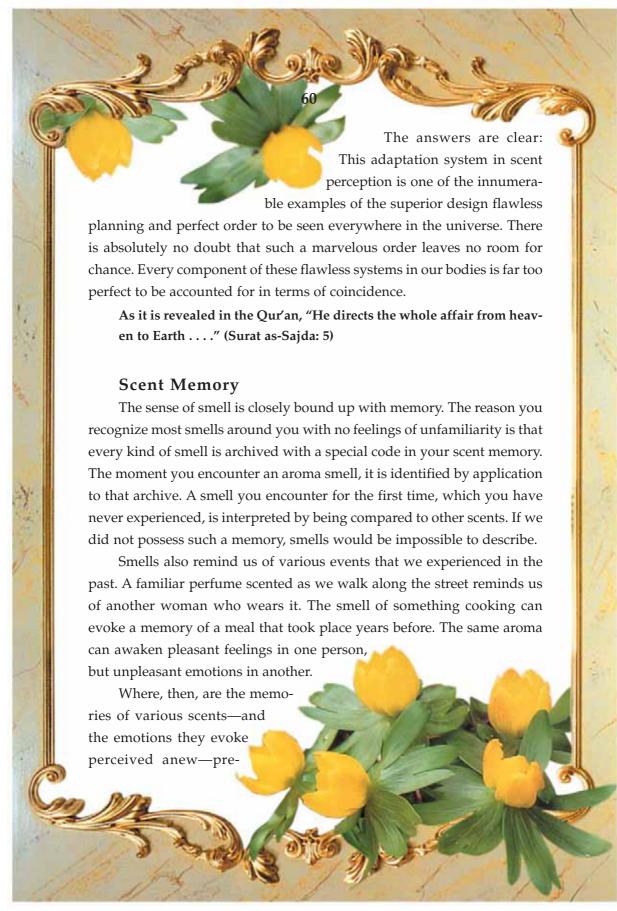


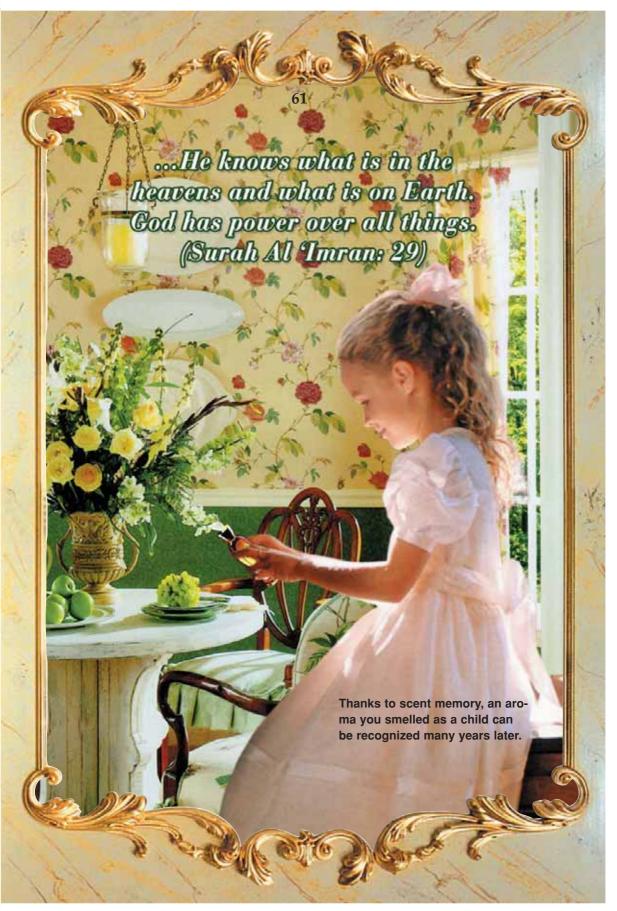
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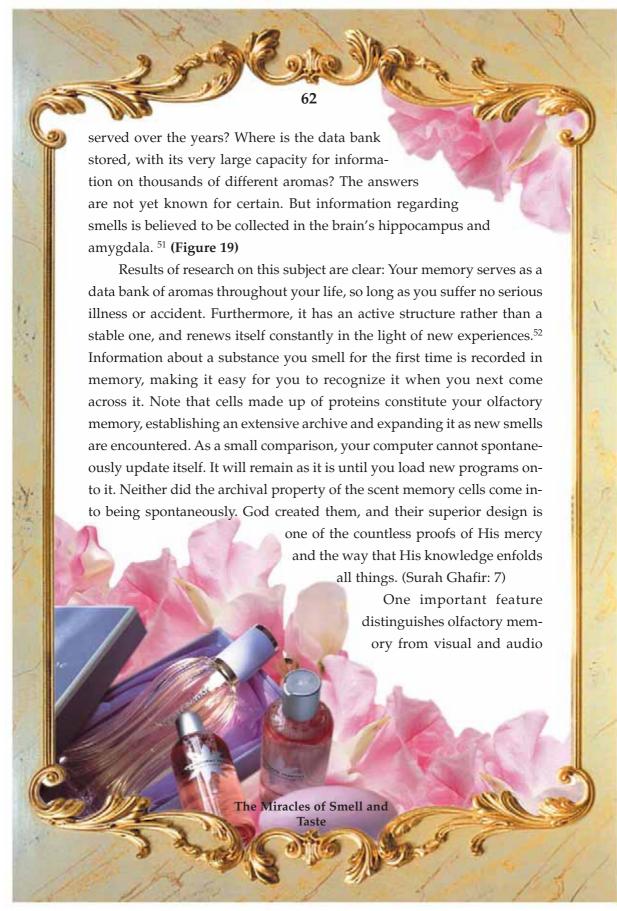
In that case, how did the scent-receptor and brain cells, themselves consisting of atoms like carbon, nitrogen and oxygen, come to develop an adaptation system, whose details are still unknown? How do they know when, and when not, to go into action? How do they act in the very best manner on your behalf, without your becoming involved in any way?

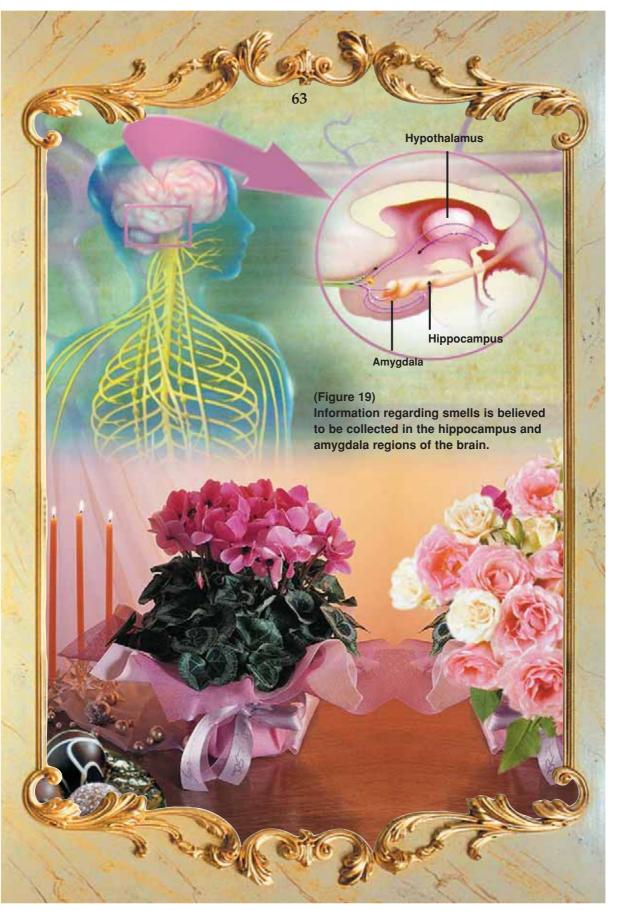


A cook's sensitivity to smells in the kitchen soon declines in a matter of minutes. In this way, he is not bothered by the intense aromas constantly reaching him and is also able to immediately detect any new odor—such as a gas leak or something burning.









memory: Information about smell has a much greater permanence. <sup>53</sup> That is why so many memories are evoked when you perceive a smell originating from a flower, a herb or even from a person. Research has shown that every individual's own scent is unique, just like a fingerprint. <sup>54</sup> (The only exception is with identical twins.) When specially trained dogs follow a suspect, they track the traces of odor of that person's skin , and can distinguish that suspect by means of his unique scent.

Indeed, the report in the Qur'an describing how the father of the Prophet Joseph (peace be unto him) recognized his son's scent years later may be pointing to that very fact. His father recognized the smell as being the same scent that the Prophet Joseph (pbuh) had in his childhood, even after the passage of a great many years:

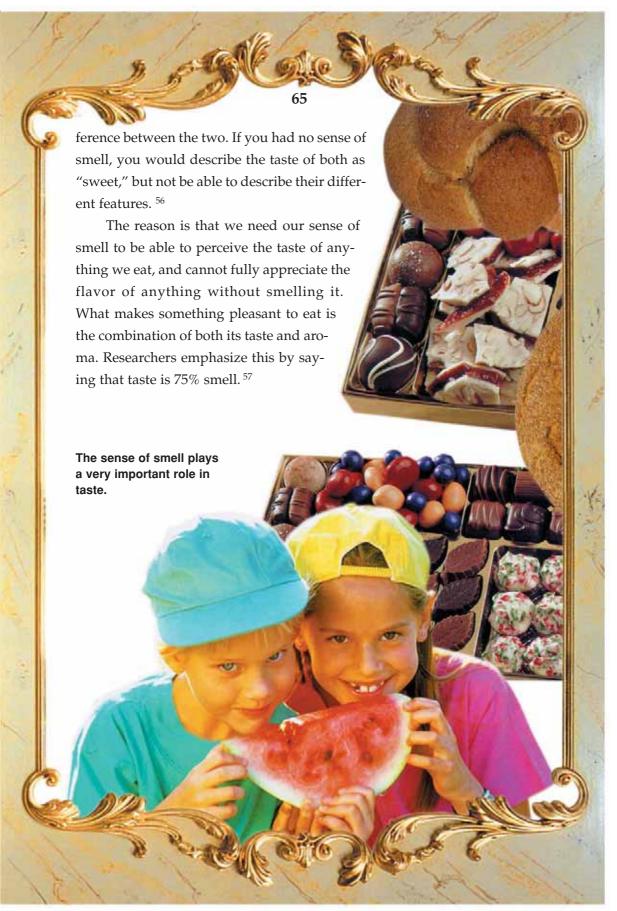
And when the caravan went on its way, their father said, "I can smell Joseph's scent! You probably think I have become senile." (Surah Yusuf: 94)

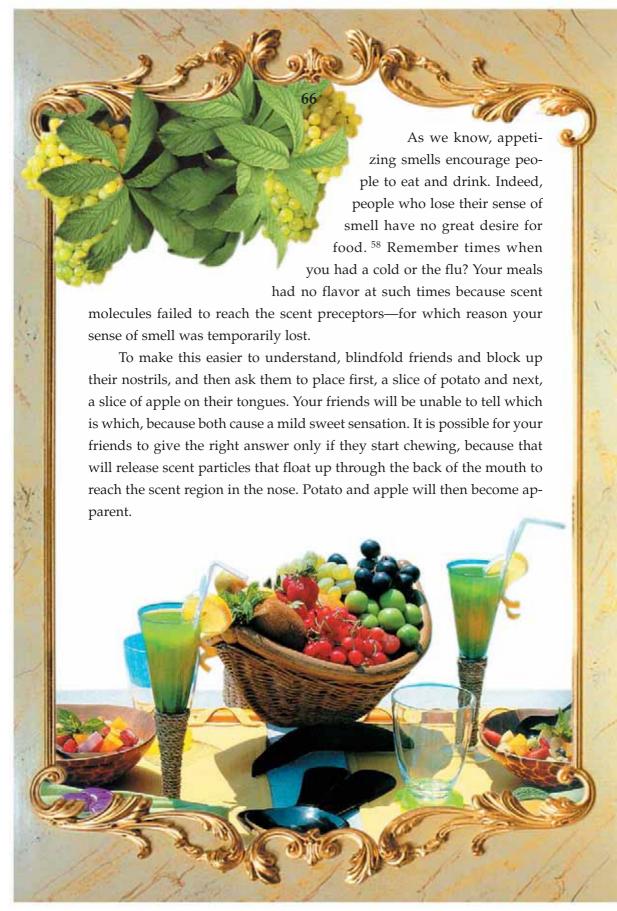
## The Role of the Sense of Smell in Taste Perception

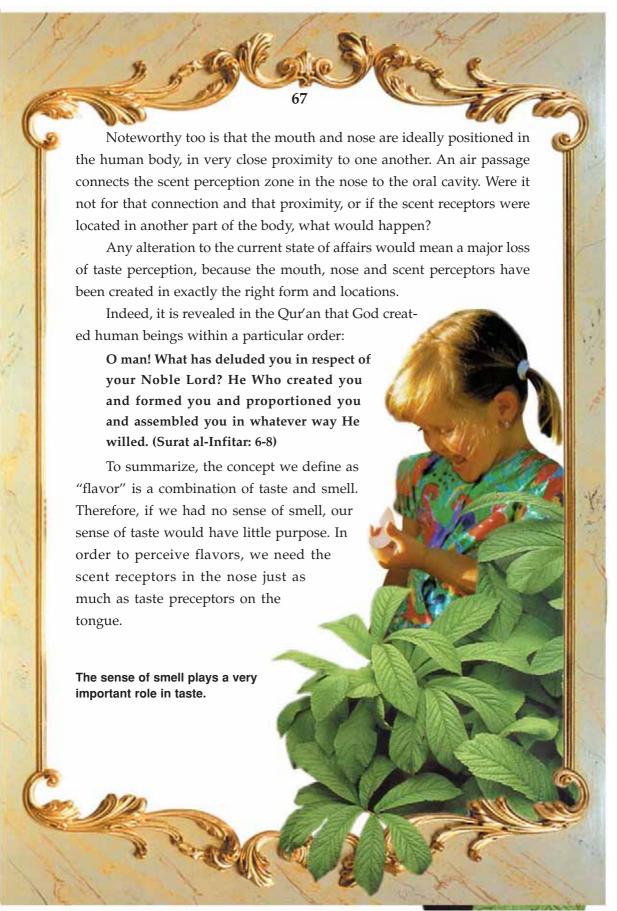
The smell of freshly baked bread, the aroma of pies from a cafeteria, or the smell of freshly ground coffee is all delightful. So attractive are these aromas that they encourage one to taste those foodstuffs. Indeed, in some circumstances, the saliva glands go into action and secrete the saliva necessary to be able to taste. Since your perception of scents is a thousand times sharper than your ability to taste, odors play an important role in the "taste" of foods. <sup>55</sup> Yet the relationship between our senses of smell and taste goes even further.

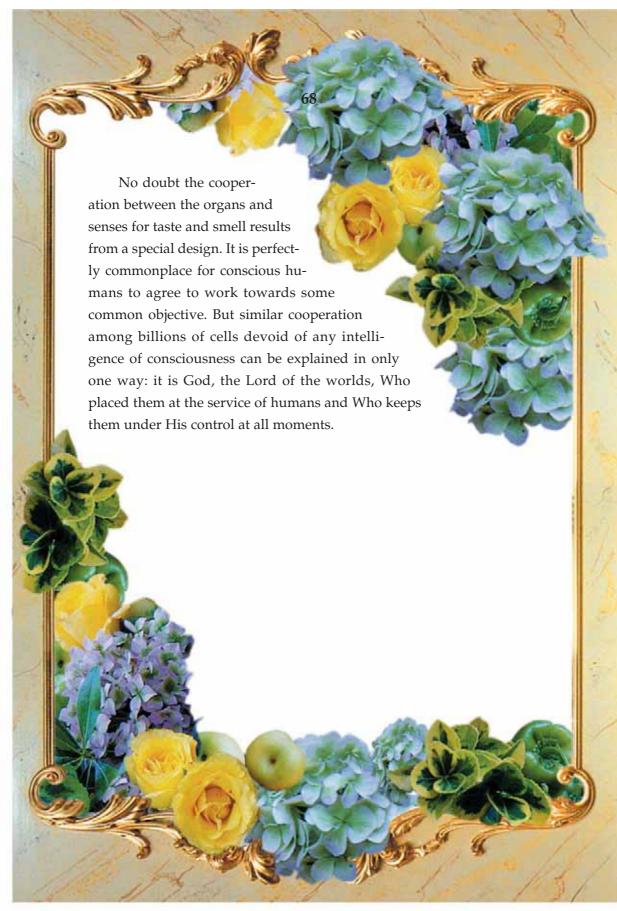
How do you tell blackcurrant jam from strawberry?

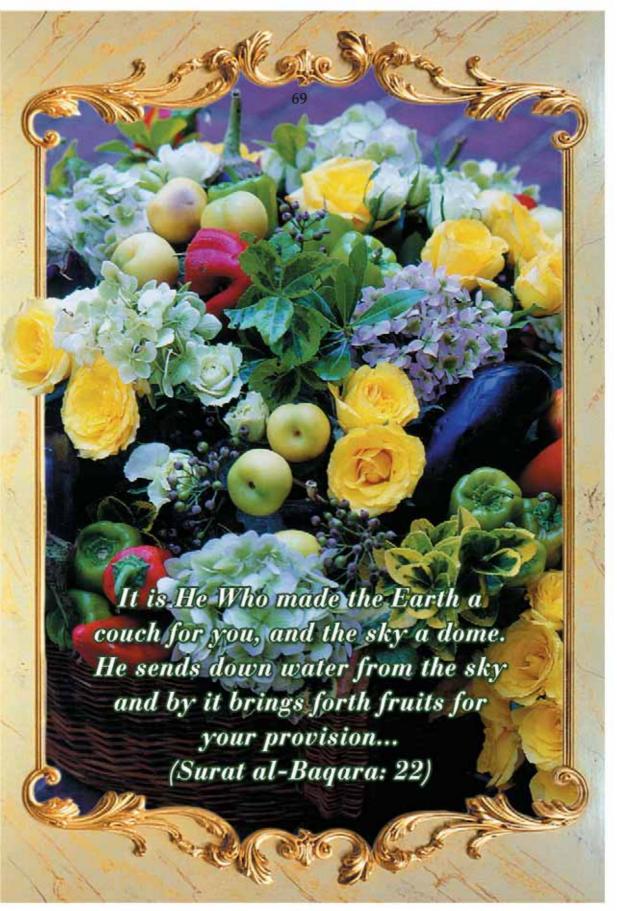
If you think the answer is obvious, and that you just have to taste them, you are mistaken, because tasting alone is not enough to tell the dif-

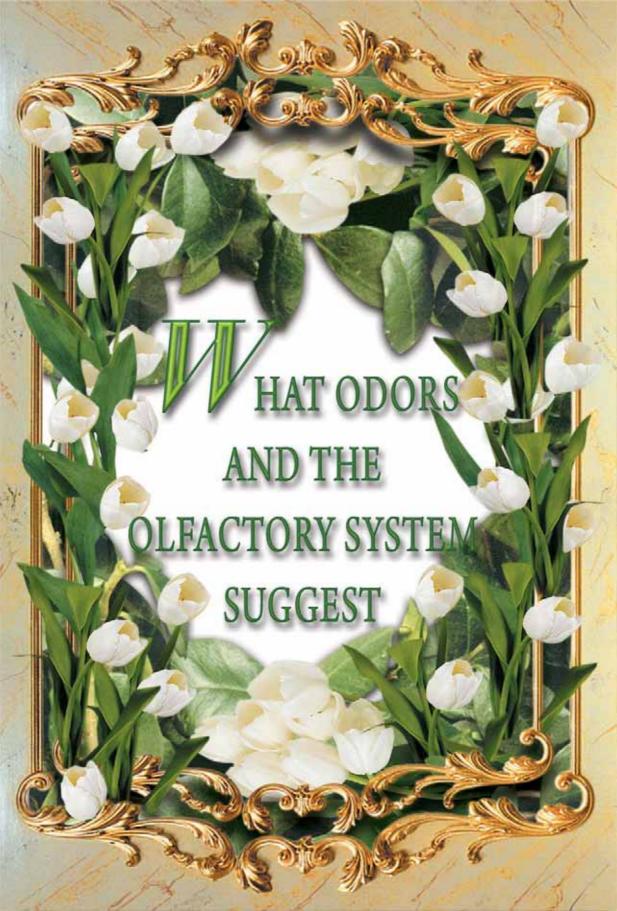














ou encounter different smells at every moment of our lives, such that it might even be said that we live in a world of aromas, surrounded by smells from flowers, trees, foodstuffs, animals, industrial products, bacterial decay, and other human beings.

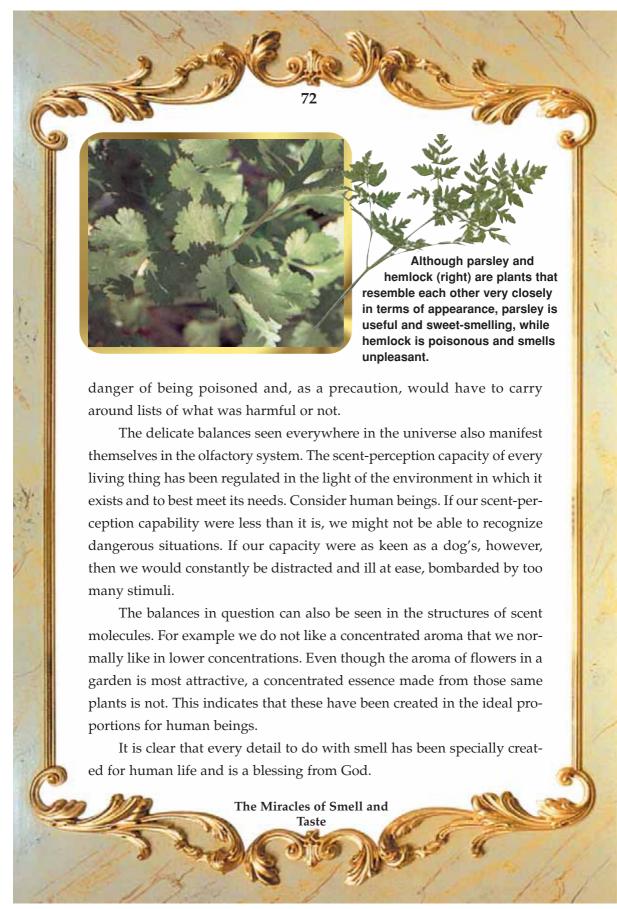
When we look at this world, made up of thousands of kinds of aromas, a rather striking equilibrium and harmony emerges: We like the smells of substances beneficial to us, and are repelled by those of harmful substances.

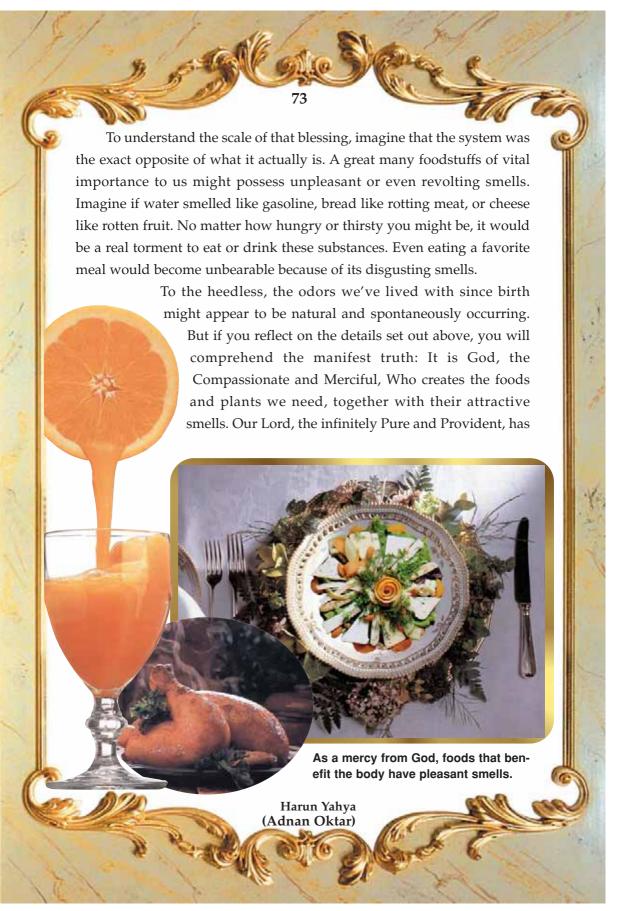
The smells of foodstuffs useful to the body awaken a feeling of pleasure in us, and lead us to feel hunger for them. The smell of food cooking when we are hungry encourages us to eat, and along with taking pleasure from eating, we nourish our bodies at the same time. When our bodies are busy digesting, on the other hand, and we feel no need to eat any more, then the smell of food will not seem so attractive.

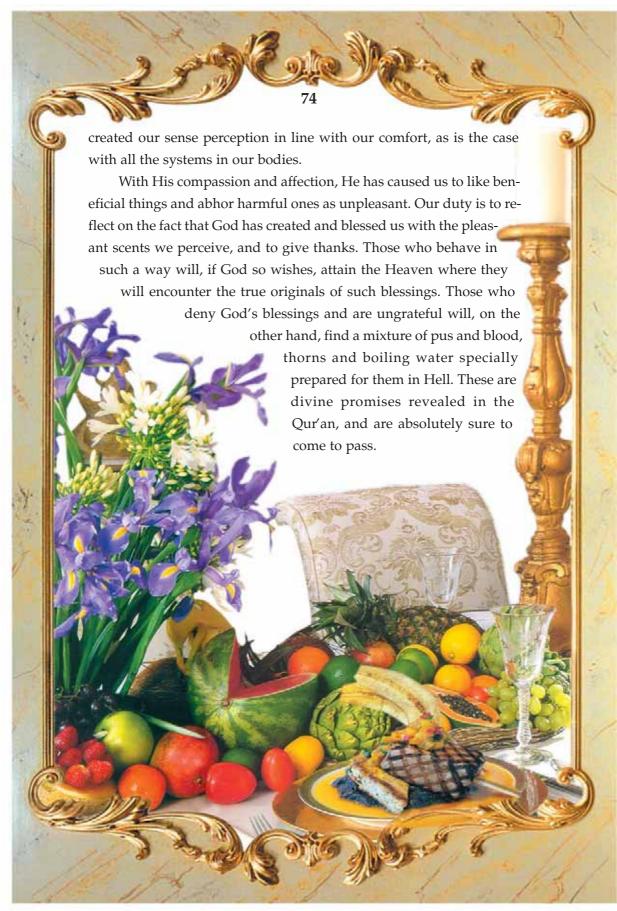
Those smells we describe as unpleasant, on the other hand, are generally substances harmful to us. We can easily identify poisonous chemicals by their smell. The unbearable stench given off by rotten fruit or meat—unpleasant odors that arise as a result of bacterial activity—warn us to stay away from them.

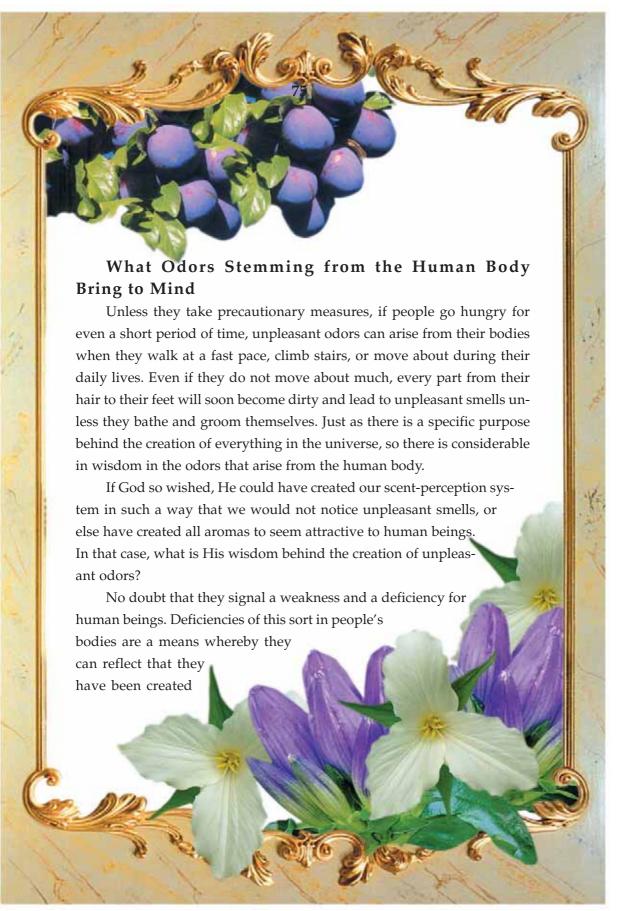
It's beyond dispute that this reaction to scents is of vital importance to human health. As a general rule, dangerous or harmful substances can immediately be distinguished by their noxious smells. Parsley, for example, bears a close physical resemblance to the poisonous plant hemlock, yet their smells are completely different. Parsley has a pleasant smell of its own, whereas hemlock's is very repellent. Were it not for this system, we might eat hemlock assuming it was parsley, or drink a harmful chemical concoction thinking it was fruit juice. We would live our whole lives in the

Harun Yahya (Adnan Oktar)



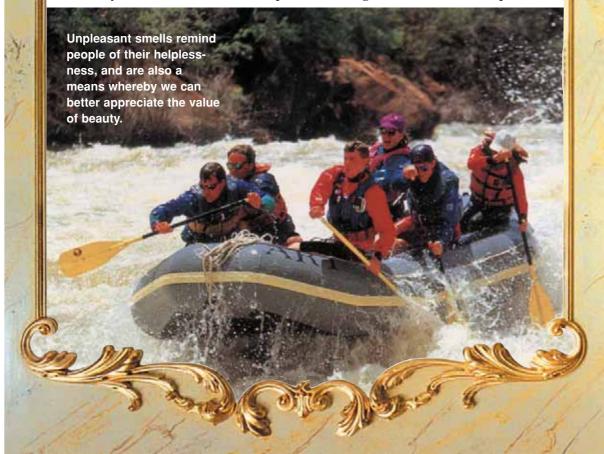




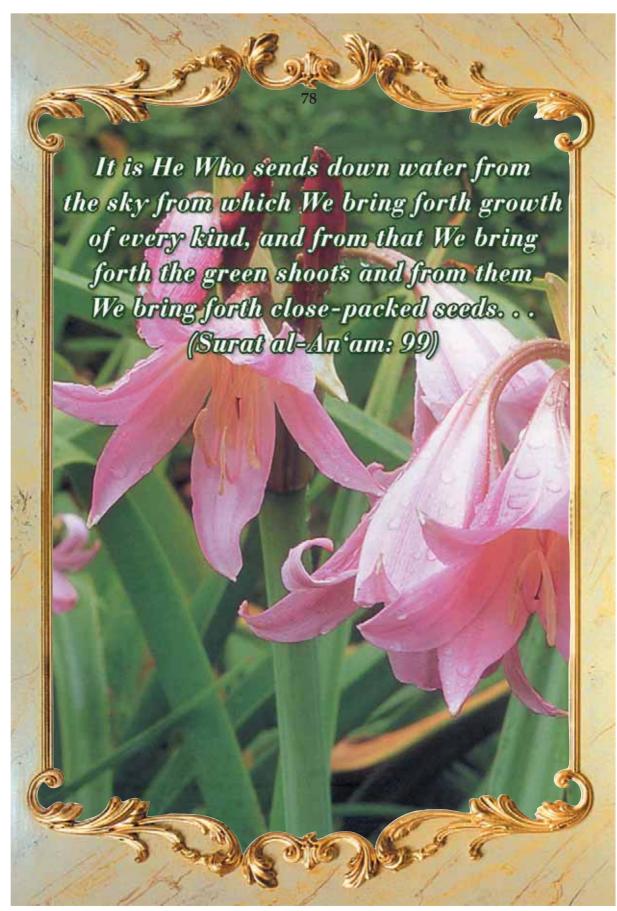


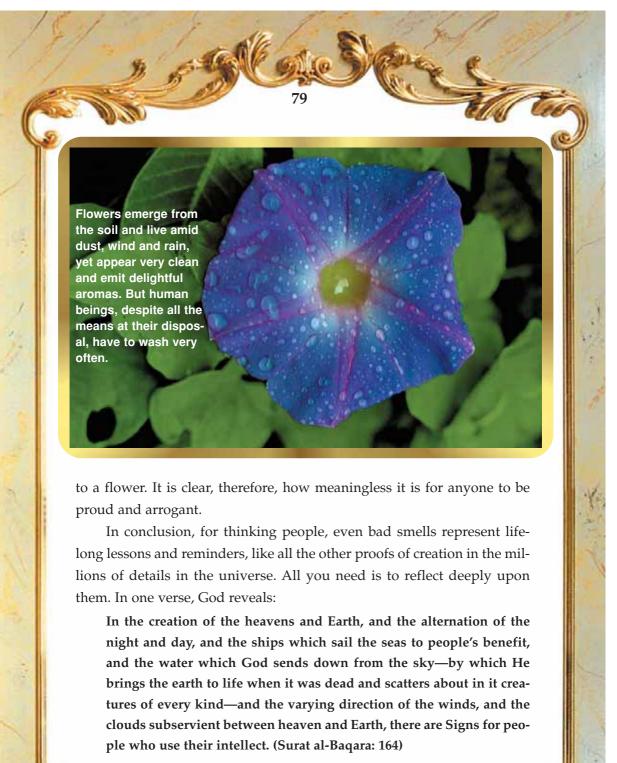
better comprehend His greatness and their need of Him. No matter how well people may groom themselves, soon they will feel the need to clean themselves yet again. When bacteria too small to be seen with the naked eye go into action, unpleasant odors will again begin to form. This reminds us that the world is transient and flawed, but that the Hereafter is endless and perfect. It brings to mind the fact that there is no reparation for being taken in by this world's deceptions. It is a means of conceiving of Heaven, humanity's eternal home, where there are no unpleasant smells, and believers will be recreated. It also helps to remind us, by comparison, how unbearable will be the stenches specially prepared in Hell for the deniers.

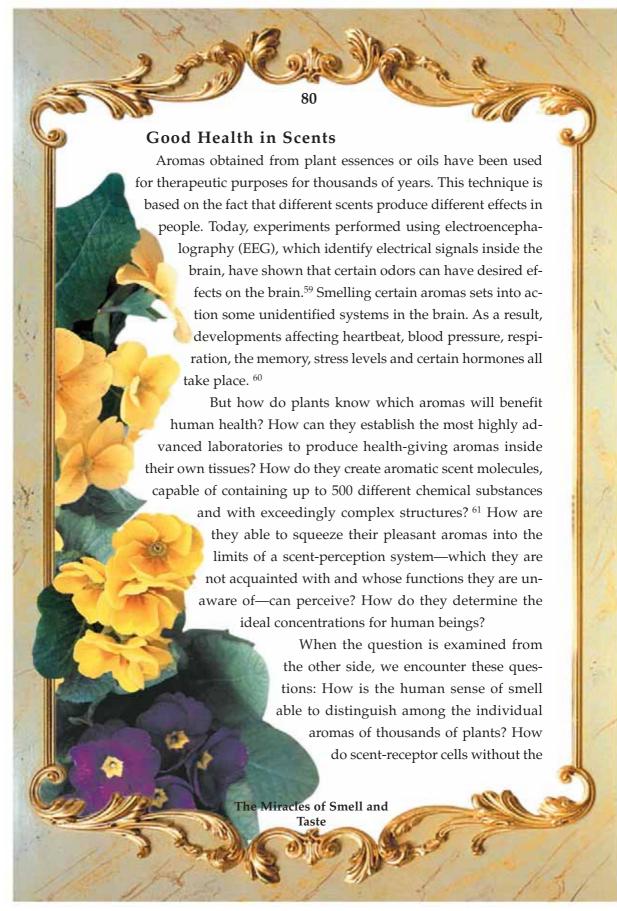
Bad smells also remind us that human beings have no physical superiority about which to become proud or arrogant. Humans are helpless,

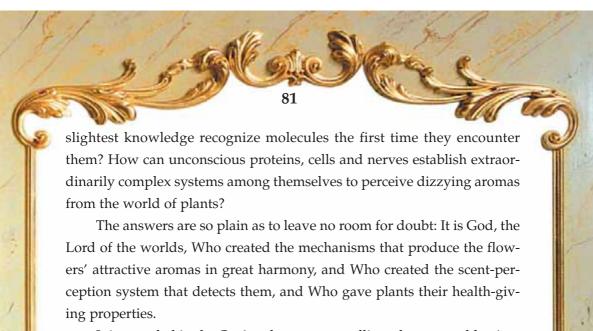












It is revealed in the Qur'an that sweet-smelling plants are a blessing: He laid out the earth for all living creatures. In it are fruits and datepalms with covered spathes, and grains on leafy stems and fragrant herbs. So which of your Lord's blessings do you both then deny? (Surat ar-Rahman: 10-13)

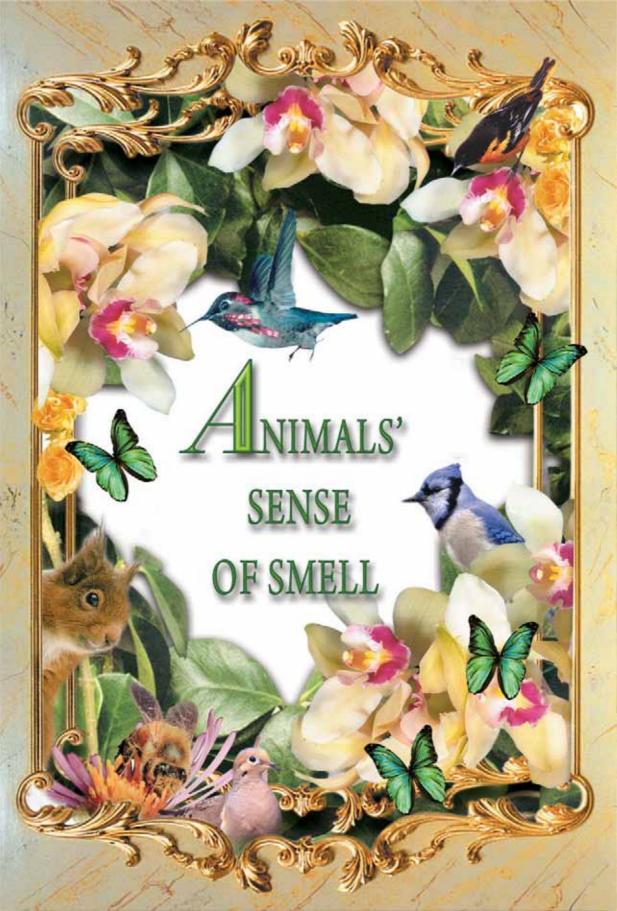


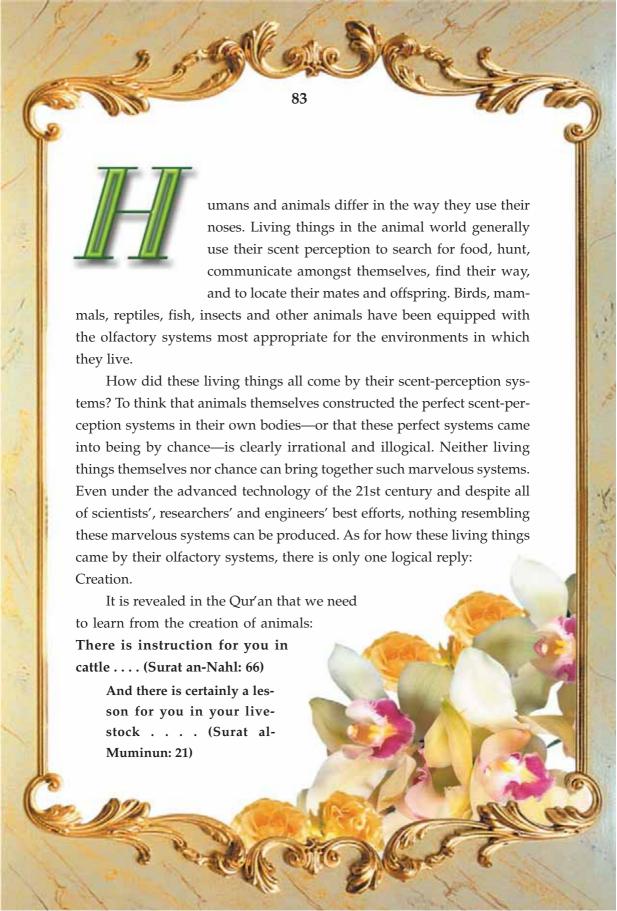
How people should behave in the face of the blessings they are given is revealed in another verse:

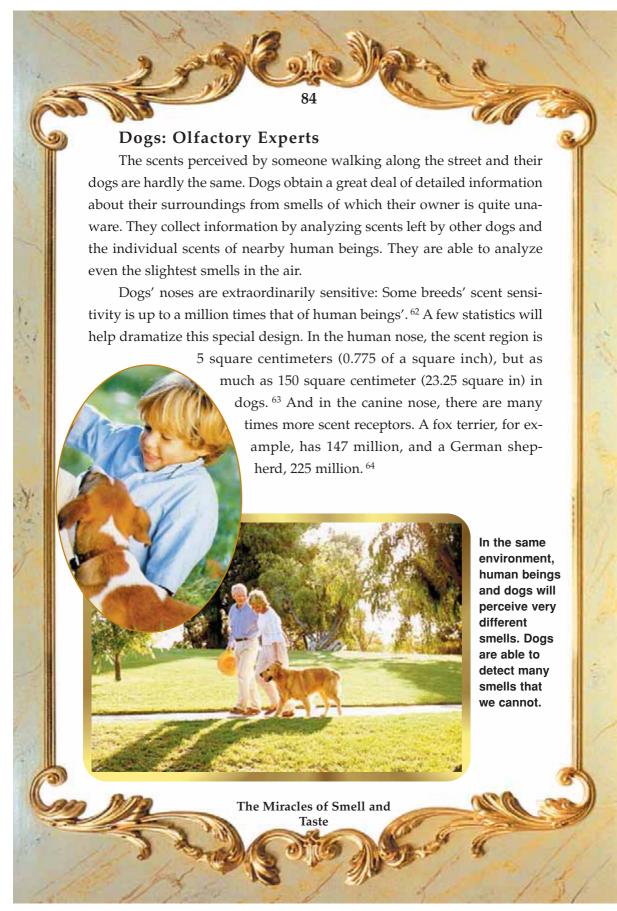
Say: "It is He Who brought you into being and gave you hearing, sight and hearts. What little thanks you show!" (Surat al-Mulk: 23)

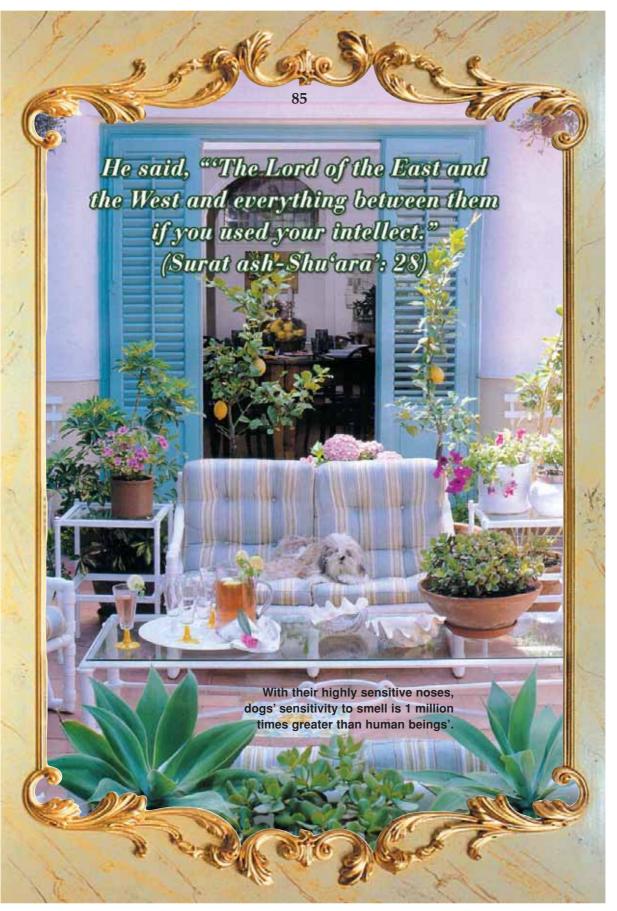
The aromas obtained from plants are used in the treatment of many diseases.

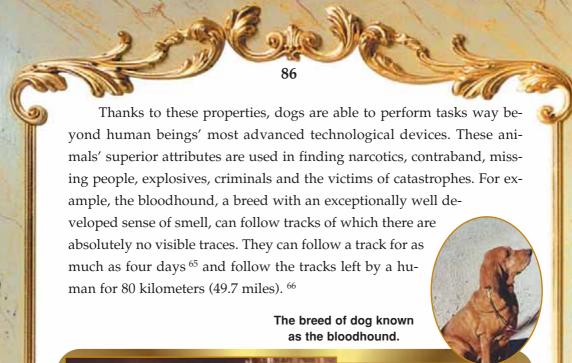
Harun Yahya (Adnan Oktar)













Such dogs are used to rescue survivors from ruins, and German Shepherds are trained as police dogs.

The Miracles of Smell and Taste Strikingly, dogs do not make mistakes, despite the countless number of scents in their world. They are easily able to distinguish the particular smell they are looking for. Experiments have shown that a trained dog is able to locate what was expected of it from among items covered with highly pungent skunk scent. <sup>67</sup>

The Schlieren photography technique revealed that dogs used a different method of inhalation: a dog smelling something twitches its nose when exhaling, and the air heads directly towards the two clefts on either side. Thanks to this special design, the dog's exhaled air flows in a different direction, and the



A photograph showing dogs' inhalation and exhalation, taken using the Schlieren technique.

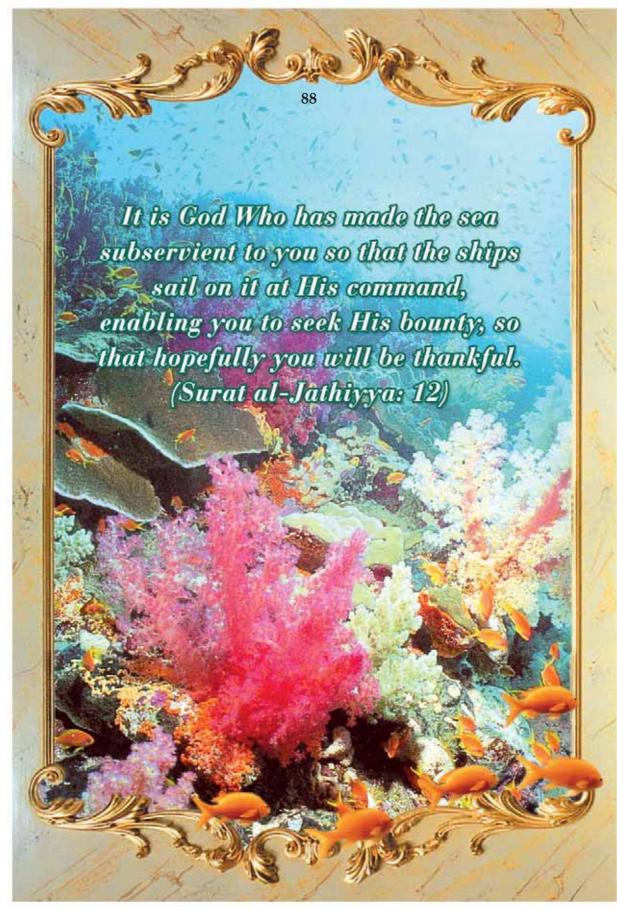
air in its breath is thus prevented from combining with the scent. <sup>68</sup>

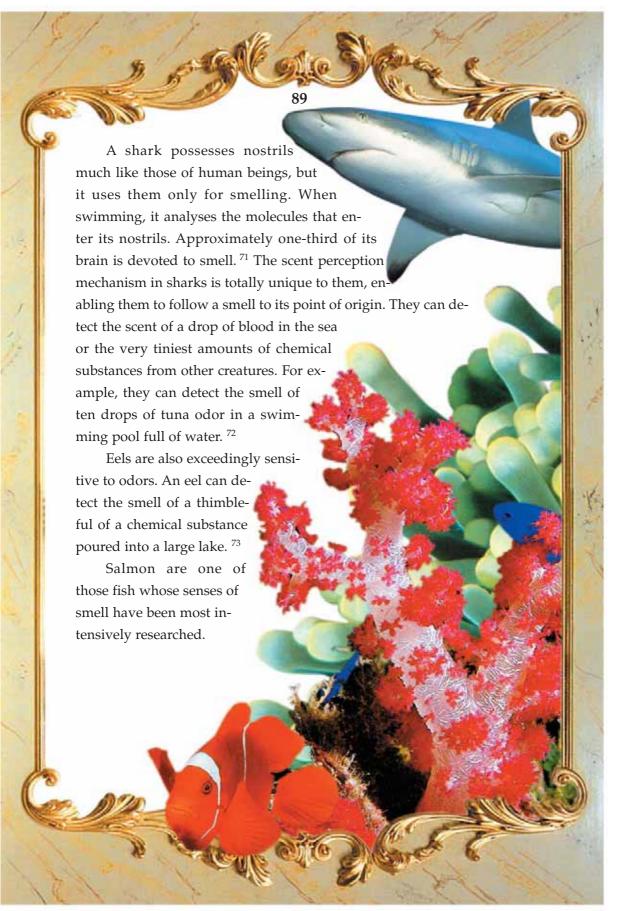
Researchers are still trying to develop new devices by unraveling the complex analysis performed in the canine nose and brain. <sup>69</sup> There is presently a great need in the day for such devices, especially for detecting bombs, mines and various dangerous substances. However, the devices that have been produced so far come nowhere near matching the scent sensitivity of dogs.

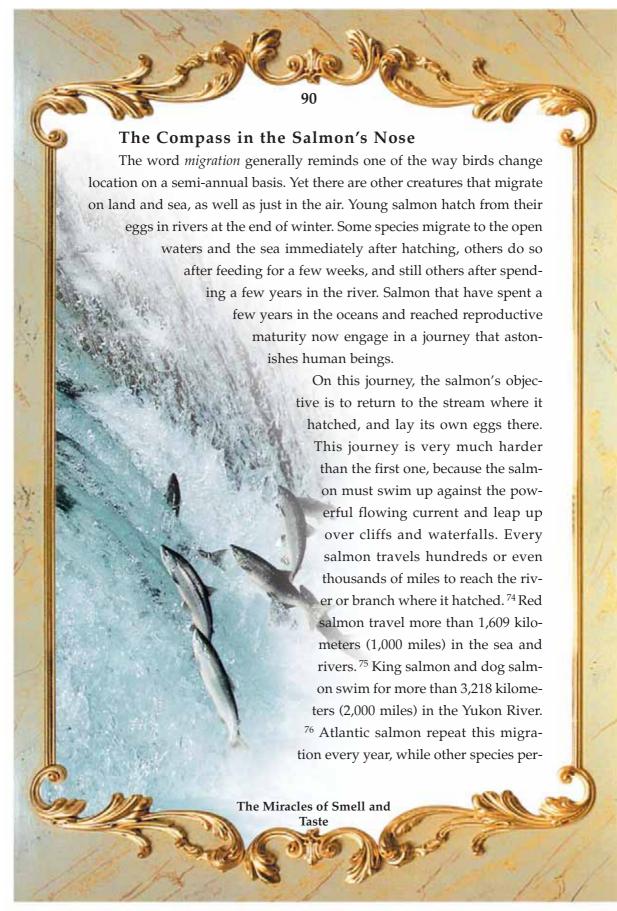
## Scent Perception in Fish

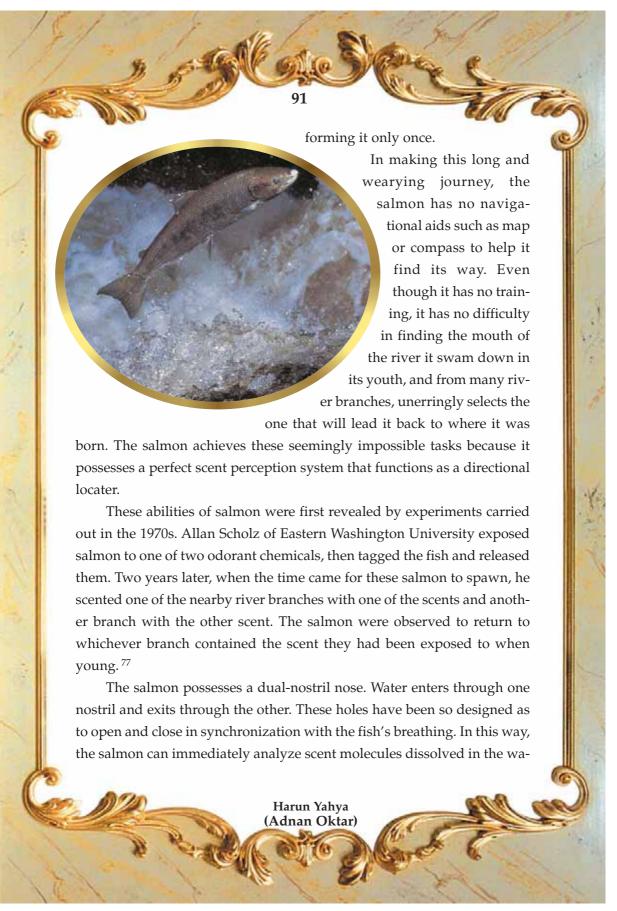
Scent perception is important to just about all fish species. <sup>70</sup> The scent perceiving region is located on the rear surface of their noses. They find food by following scent molecules dissolved in the water. In addition, their sense of smell warns them of danger: Fish that detect the smell of an injured fish immediately go on the alert.

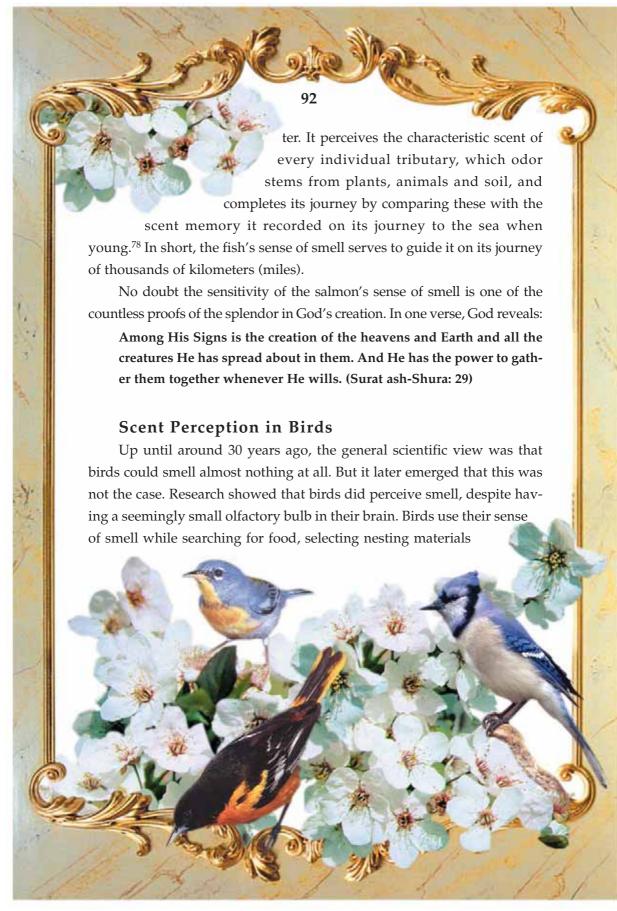
Harun Yahya (Adnan Oktar)

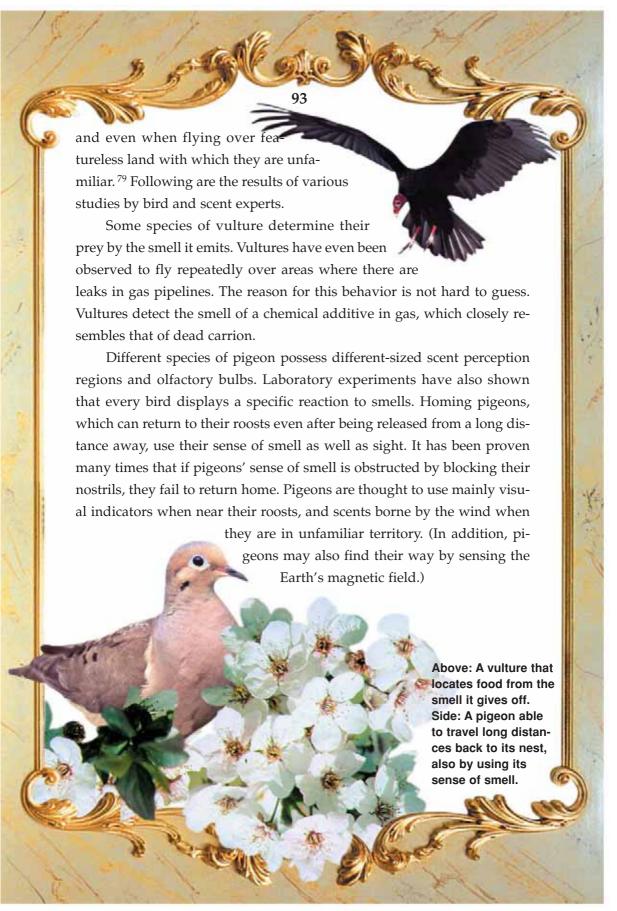


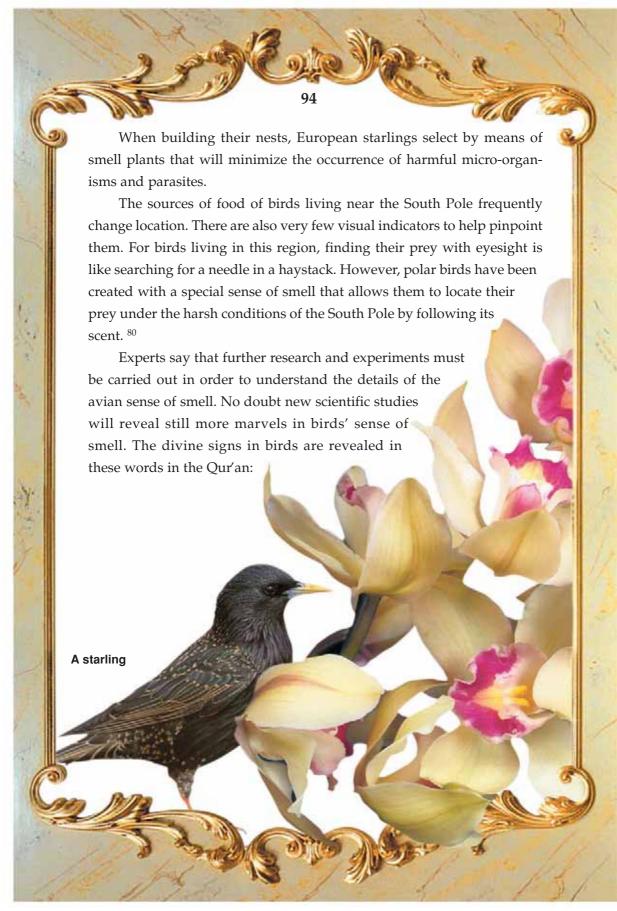


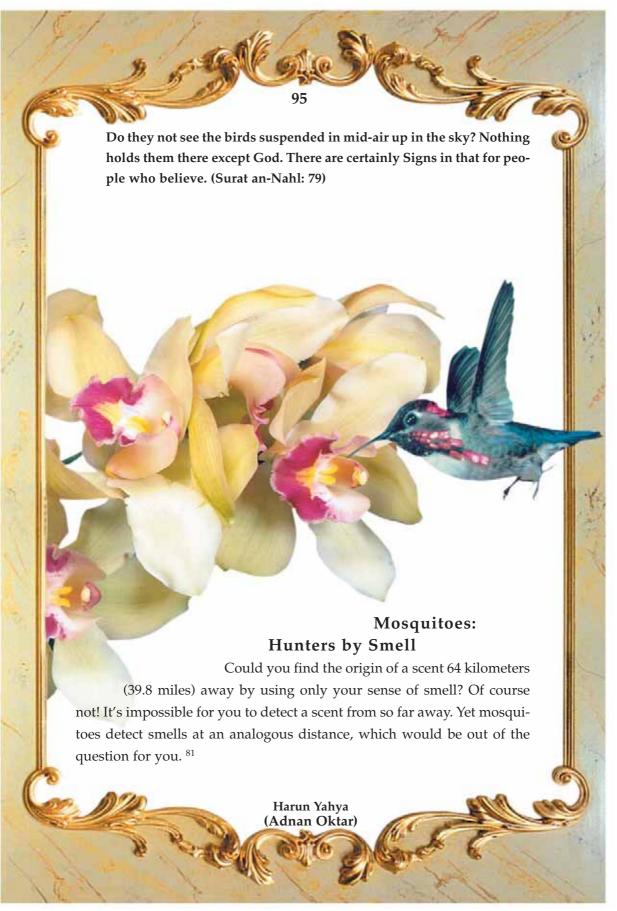












This fact was discovered by Professor Jerry Butler of Florida University. As is well known, for her eggs to develop, the female mosquito needs blood as well as certain chemical substances including cholesterol and Vitamin B that she cannot manufacture herself. These she obtains from human beings or animals. Professor Butler's studies revealed that the female mosquito does not select at random the prey whose blood she will suck. She prefers creatures that will meet her needs in the best possible way and in particular, uses her sense of smell to locate them. According to Butler, mosquitoes' sense of smell is so specialized that they can identify the minute amounts of chemicals that the human body gives off into the air. 82

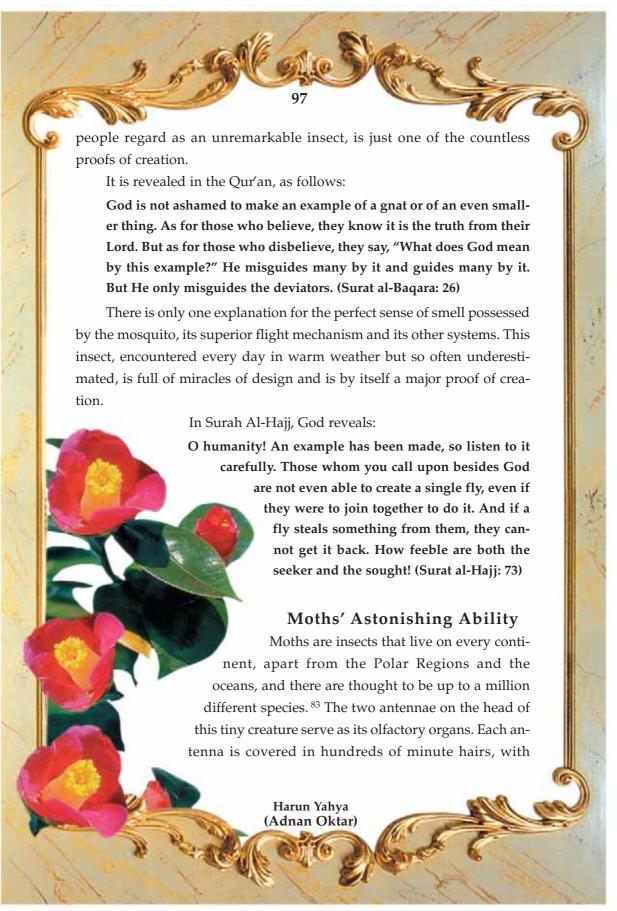
Smells originating from the human body, carbon dioxide given off during exhalation and other scents are constantly disseminated into the air. The female mosquito is equipped to detect them, and finds her prey by zigzagging among the scent molecules, then locating the location of a surface artery, using a heat detector with pinpoint accuracy.

The way that an insect 1 centimeter (0.4 inch) in length smells her prey from many meters (feet) away and also analyses that scent, is a most striking phenomenon. The mosquito's highly developed olfactory sense is just one of the magnificent pieces of equipment in its body—and an im-

portant fact of creation that once again allows humans to realize the flawless nature of God's creation. The sense of smell in the mosquito, which many

The gnat is one of the living things referred to by God in the Qur'an.

The Miracles of Smell and Taste



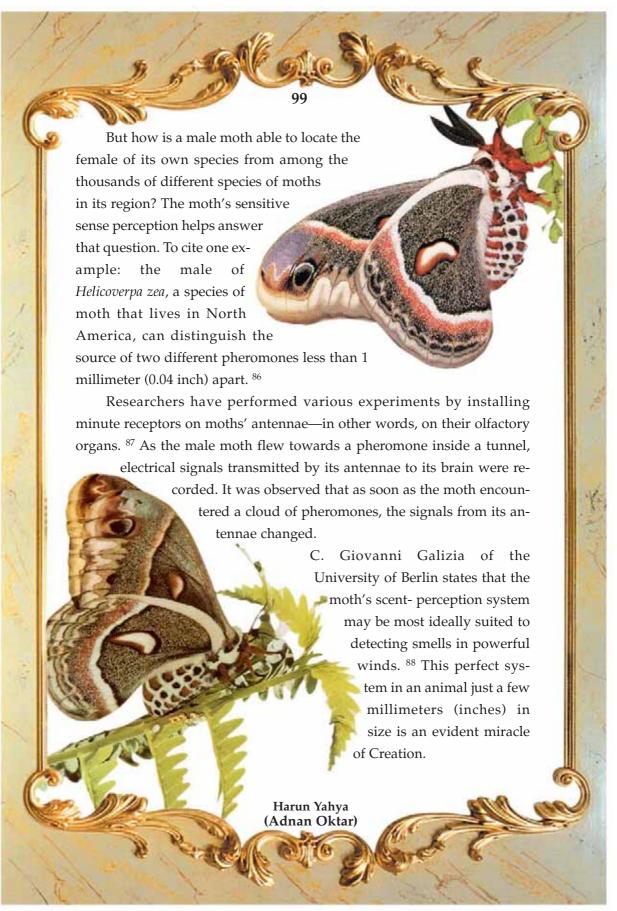
scent-receptor cells on each hair. This special design of its antennae makes the moth quite expert in detecting smells. <sup>84</sup>

Moths use their scent perception to determine what has nutritional value and what may be harmful. In addition, when mating time comes, the female emits a special pheromone, which the male detects and locates the female by flying directly towards its source. At this point, there is one matter that requires consideration. The male often flies for several kilometers (miles) to locate the female. Male silk moths, for example, can perceive the female's pheromone from 20 kilometers (12 miles) away, or even further. <sup>85</sup> No doubt the sensitivity of this tiny creature's olfactory organs is truly stunning.

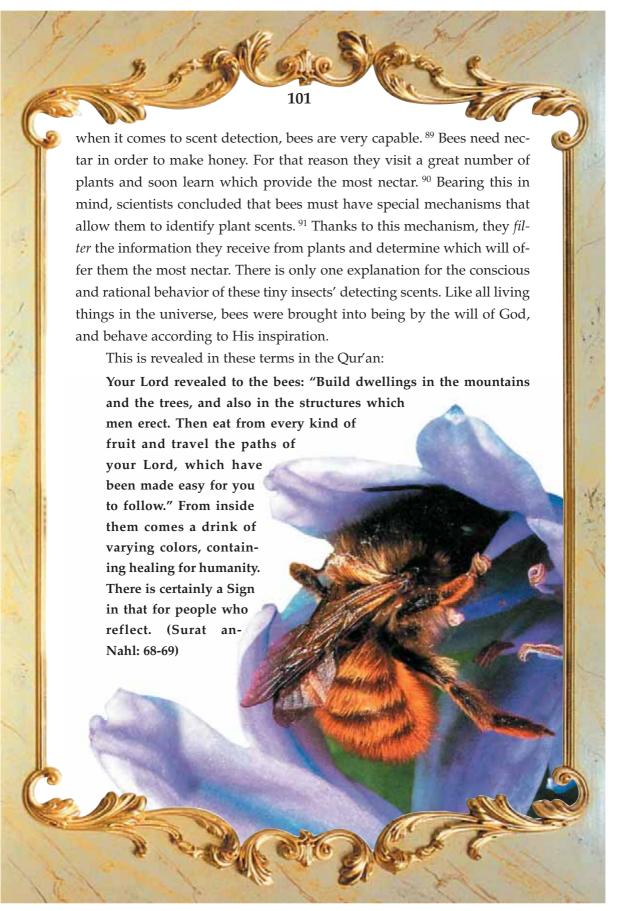


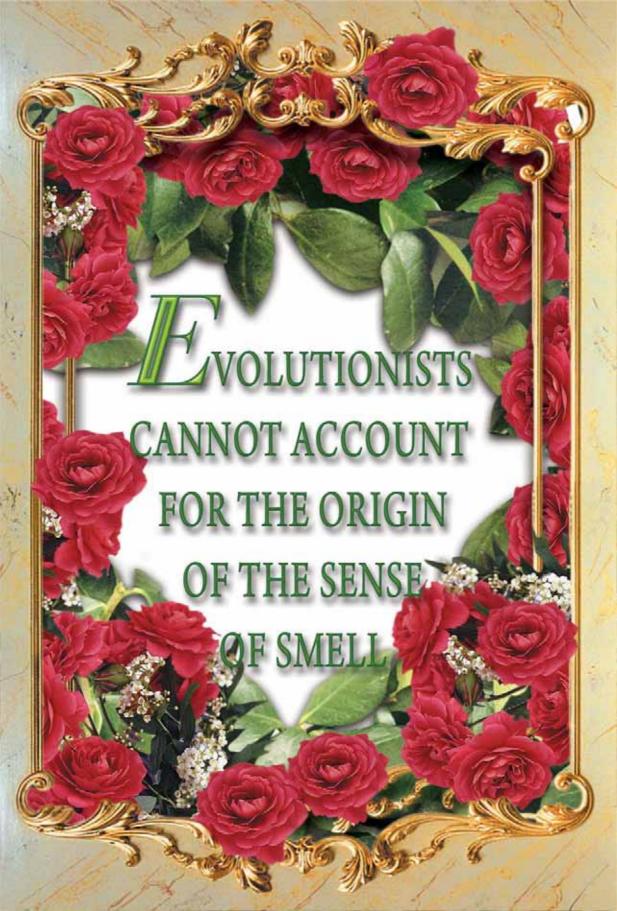
Thanks to the special creation in their antennae, which have hundreds of minute hairs on them, moths have very powerful senses of smell. This enables them to identify foodstuffs with a high nutritional value, as well as potential mates.

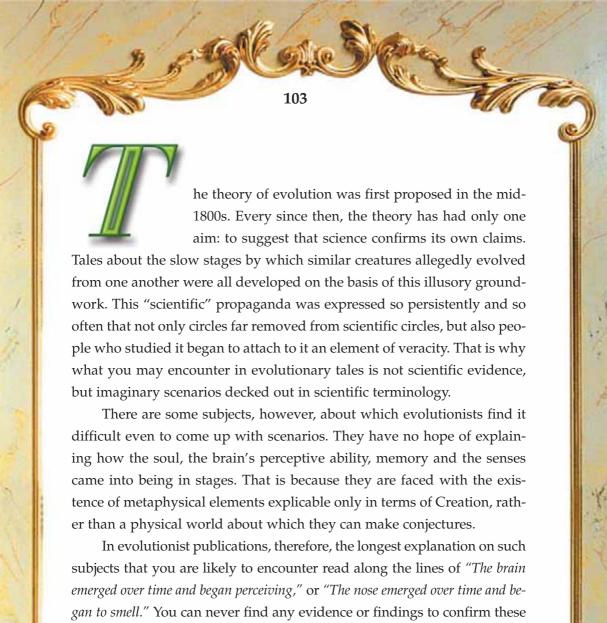
The Miracles of Smell and Taste







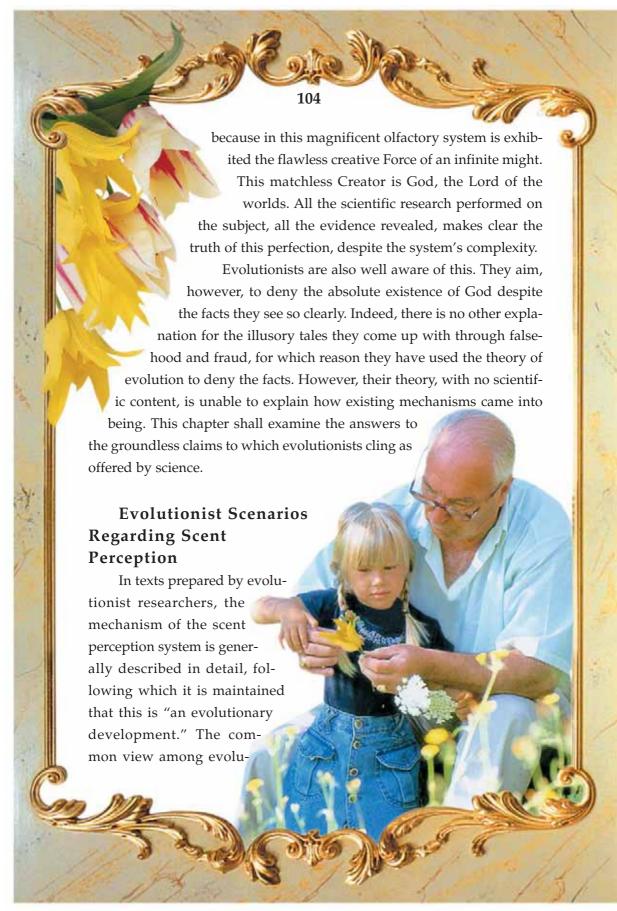


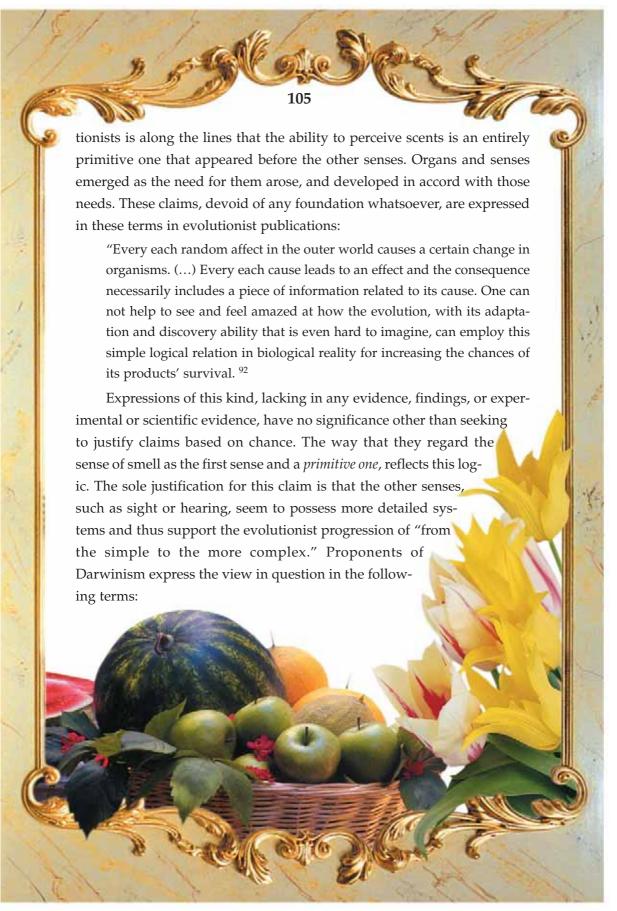


In evolutionist publications, therefore, the longest explanation on such subjects that you are likely to encounter read along the lines of *"The brain emerged over time and began perceiving,"* or *"The nose emerged over time and began to smell."* You can never find any evidence or findings to confirm these assertions. Evolutionists, too, are well aware that they have no explanation to offer on the subject. They therefore emphasize points around which they can easily speculate, using the power of their imaginations, and never actually raise questions that they cannot explain in evolutionary terms.

Indeed, the extraordinary harmony between the smell system and the components that comprise that system, which we have examined so far, is one of those subjects that Darwinists are incapable of explaining—

> Harun Yahya (Adnan Oktar)







The sense of smell is a primal sense for humans as well as animals. From an evolutionary standpoint it is one of the most ancient of senses. <sup>93</sup>

The olfactory system is often described as the most "primitive" sensory system. Because of its early phylogenetic development and its connections to older, subconscious portions of the brain.  $^{94}$ 

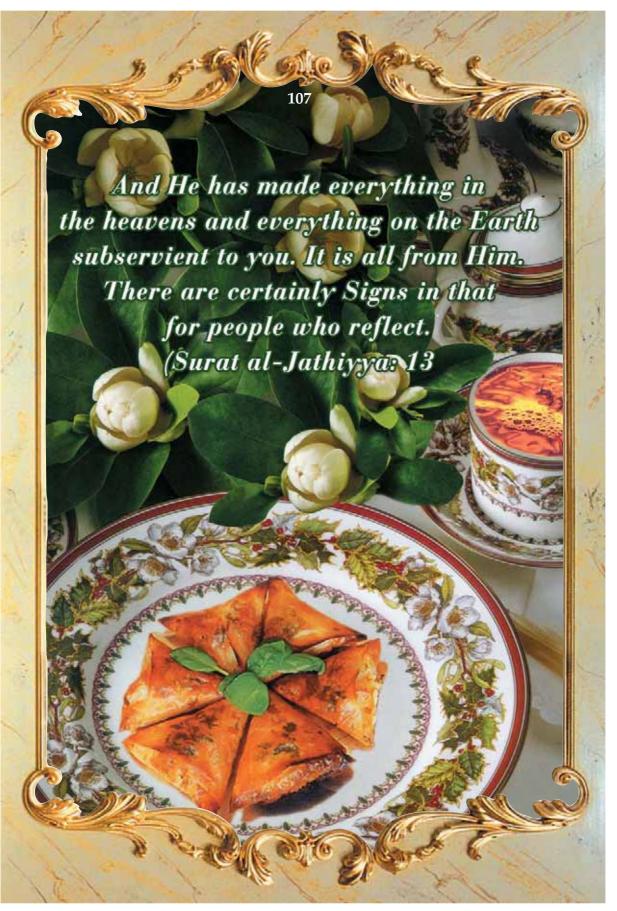
Sense of smell is evolutionarily older than sight or hearing. 95

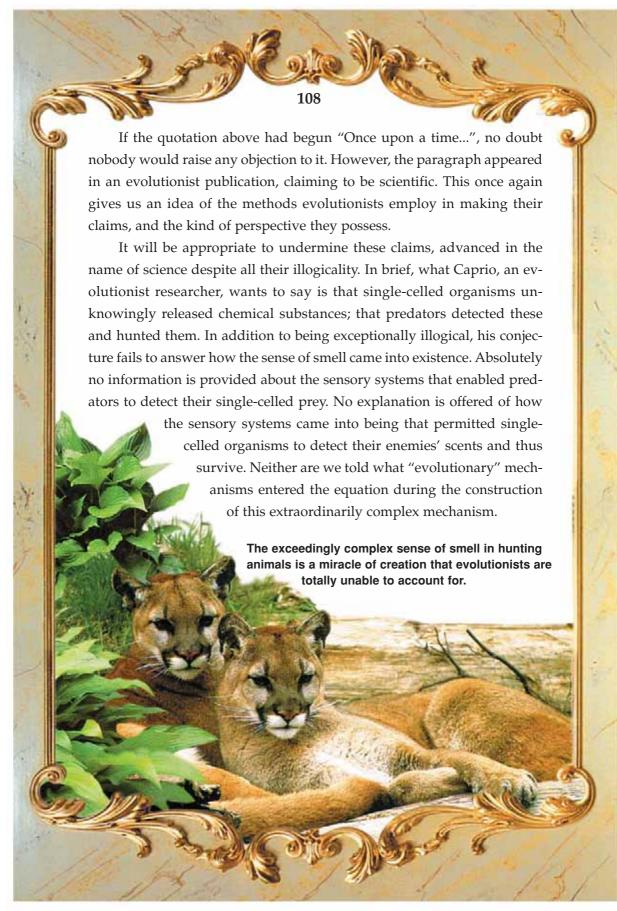
At this point, it will be useful to remember that those who issued these statements are experts with a detailed knowledge of all the olfactory system's mechanisms. They cannot be unaware of the system's complexity and perfection. Nonetheless, they still have no hesitation at using the word "primitive" to refer to such a magnificent structure. That's because a structure's being primitive makes more tenable any claims of its forming by chance. They are unable to explain how any complex system could have come into being accidentally, but suppose that defending random developments for a simple structure will somehow seem more convincing.

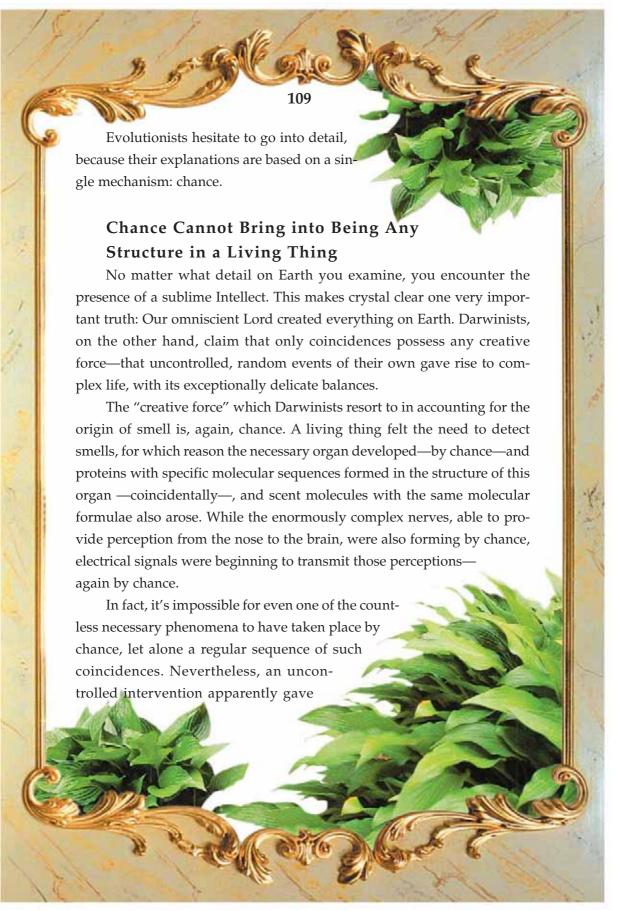
So on what scientific evidence do evolutionists base such a definitive judgment? How did the "primitive" sense of smell develop on what they refer to as the conditions on "the primitive Earth"? If you delve into this question, the response you find will run something like this:

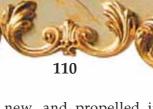
In the ancient oceans on the primordial Earth, 3 billion years ago, a single-celled organism starting its daily life gave off organic chemical substances. These substances, unknowingly released by this tiny entity, left behind them traces, which were picked up by a predator. This predator crept up, attacked, and swallowed its luckless quarry. And in this way, the sense of smell set out on its long evolutionary process. Professor of Biology John T. Caprio of Louisiana State University states that initially, the sense of smell developed in order to identify amino acid-like chemical substances soluble in water. The ability to determine molecules floating in the air is an adaptation of that original mechanism. <sup>96</sup>

The Miracles of Smell and Taste







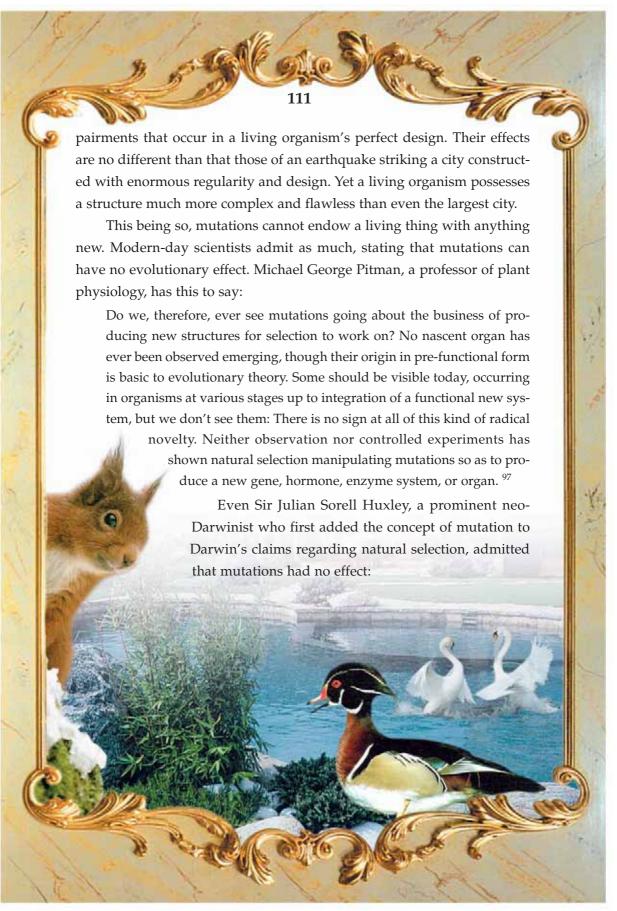


the system something new, and propelled it towards perfection. Evolutionists are forced to maintain that these chance events functioned perfectly, because any single error in any one component of a complex system will mean everything returning back to the beginning, and the system will be useless. Therefore, according to evolution, even though all events are uncontrolled and random, they still function perfectly.

The "random phenomena" in question are actually random mutations—structural changes in a living organism's genes resulting from external effects such as radiation. These changes constitute a grave danger if they are uncontrolled. Indeed, modern-day science has proved that mutations inevitably arise from an adverse effect on a living thing's molecular structure. Ninety-nine percent of mutations are harmful, while the remaining 1% are neutral. Therefore, mutations are simply defects and im-



Mutations that occur randomly are always harmful to living things. The above picture shows a lamb born with five legs and butterflies with impaired wing symmetry, again due to mutations.





Obviously, such a process [species change through mutations] has played no part whatever in evolution.  $^{98}$ 

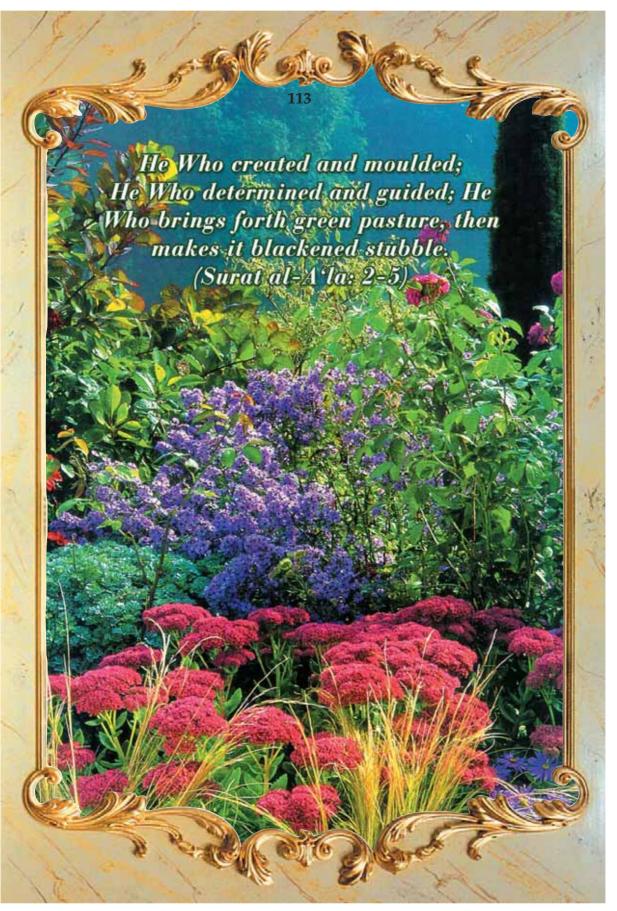
Despite this evident truth, however, evolutionists still use mutations to account for the imaginary formation of all kinds of structures and functions. Despite mutations' inevitably damaging effects, evolutionists claim that structures have *simple* properties so as to make their claims sound convincing. Again, that is why evolutionists insist on referring to the sense of smell as "primitive," imagining that it's easier to explain a primitive system arising as the result of chance. Yet this is a meaningless assumption. Even a primitive system still displays order, which coincidences cannot produce. In addition, not a single detail in this glorious universe created by God can be described as *primitive*.

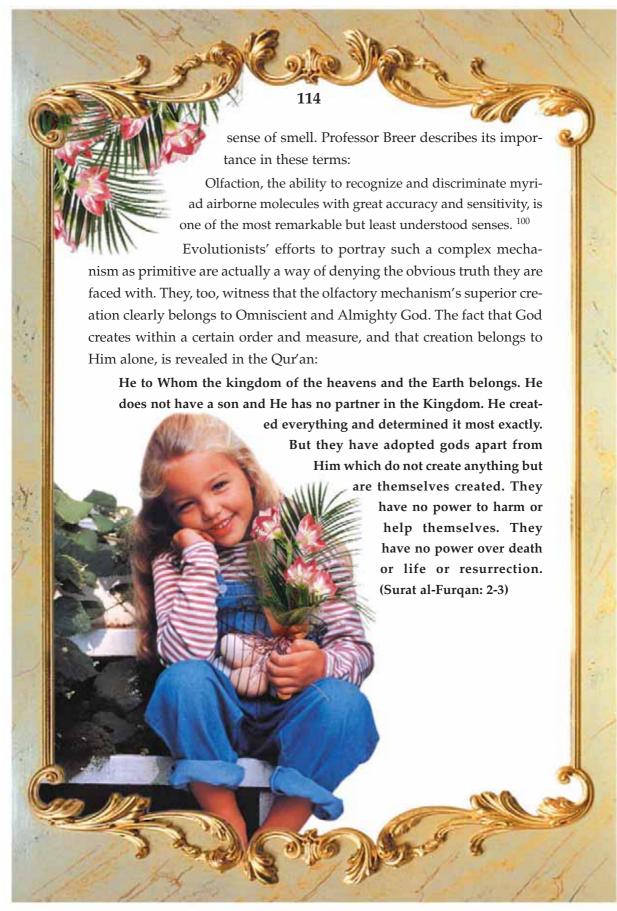
In contrast to evolutionists' claims, the olfactory system described in the preceding chapters is a most complex, containing exceptionally delicate balances and flawless mechanisms and structure. In fact, research into the sense of smell reveals an evident conclusion: There is no such thing as a *primitive sense*. On the contrary, all findings reveal the existence of a most complex structure. For decades, thousands of scientists have sought to explain the olfactory mechanism, yet it is still understood only in general terms. The information about the details of the system consists of just supposition and theories.

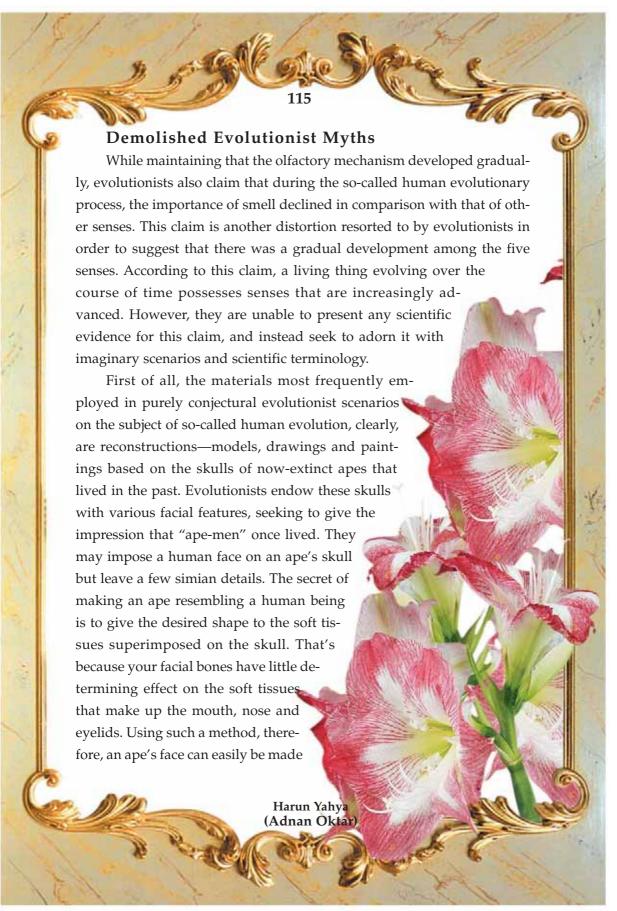
One expert on this subject, Professor Linda B. Buck a Nobel Prize winner in 2004, makes this comment:

Smell is perhaps the most exquisitely sensitive and complex of all the senses, and it has also been the most perplexing for scientists to decipher. <sup>99</sup>

Heinz Breer of Stuttgart-Hohenheim University won the *Leibnitz Preis*, the most important science prize of Germany, for his work on the



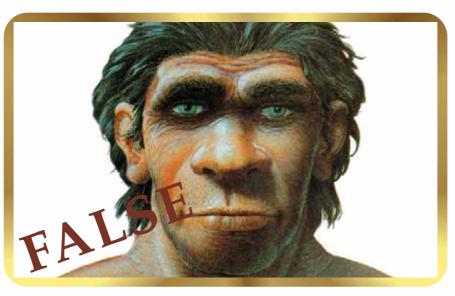




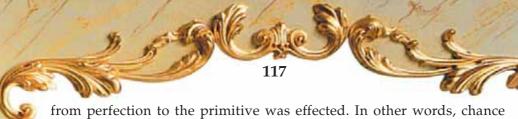
to resemble a human's. It is for that reason that evolutionist sources are all full of half-man, half-ape drawings and pictures of models produced for that purpose. <sup>101</sup>

You may have noticed that in these imagined, prejudiced reconstructions, the nose is generally flat and wide. In the fictitious passage from ape to man, the nose—deliberately portrayed as large and flat—needs to assume a human appearance over the course of time. For that reason, evolutionists conclude that the nose gradually shrank, losing much of its functionality. They openly deny all the complex and superior features of this splendid organ.

In fact, this contradiction indicates the dilemma in which evolutionists find themselves. For one thing, this claim entirely contradicts evolutionists' imaginary procession "from the primitive to the advanced." Evolution towards the advanced is reversed, and in some way, a retreat



The fictitious reconstructions designed by evolutionists depict the nose as especially large and wide.



from perfection to the primitive was effected. In other words, chance thought that our other senses were more important and decided that various properties belonging to the nose were unnecessary. Believing in the evolutionists' account means believing this illogical claim.

In addition, the claim that the nose's complexity decreased over time has no scientific evidence at all behind it. In recent years, it has been realized just how irrational and unscientific this claim clearly is. All 21st-century scientific studies and research have revealed that the sense-perception system is of an extraordinary complexity, and evolutionists have therefore suffered a major disappointment. Also, it is increasingly evident that new scientific advances will continue to shatter evolutionists' dreams.

### Statements From an Expert

The sense of smell—which evolutionists seek to portray as primitive compared to the other senses and which they claim can easily be accounted for in terms of chance—is actually a mechanism about which much is still unknown, and many of its complex details are still a mystery. Research and statements by present-day scientists on this subject make this crystal-clear. One who can be cited on this subject is the scientist Stuart Firestein of Columbia University, known for his research into the sense of smell and regarded as an authority in the field. In his articles Professor Firestein expresses the highly developed and complex nature of the sense of smell.

Some of the Professor Firestein's statement reads as follows:

We use the vertebrate olfactory receptor neuron as a model for investigating general principles and mechanisms of signal transduction—receptor-ligand interactions, modulation by second messengers, ion channel gating, and the long term mechanisms of adaptation and desensiti-

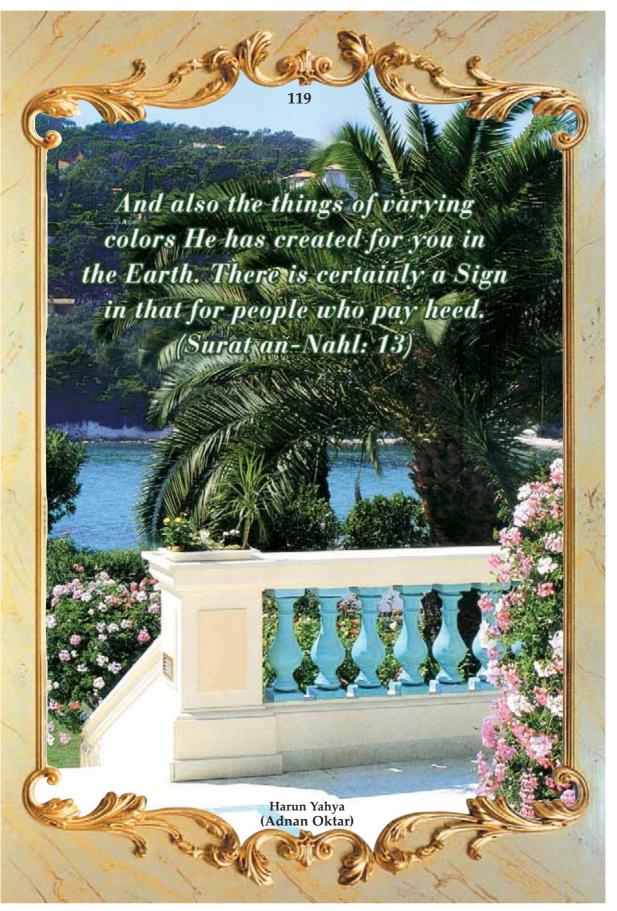


zation. The olfactory neuron is uniquely suited for these studies since it is designed specifically for the detection and discrimination of a wide variety of small organic molecules, i.e. odors.

The most recent work in the lab utilizes Adenovirus vectors to drive over-expression of cloned odor receptors in olfactory neurons. Because odor receptors make up the largest family of G-protein coupled receptors (also including many neurotransmitter ands hormone receptors) they are excellent receptors to try and understand the relation between amino acid sequence and ligand binding affinities. We are able to over express particular receptors as well as receptor clones with targeted mutations and then screen these for specific ligand sensitivities. These data are then included in computer models of the protein receptor to understand precisely why one receptor is able to recognize the odor of say, roses, while another is specific for pizza.

In another vein, olfactory receptors are unique among neurons for the ability to regenerate throughout an animal's life. Several experimental manipulations have been developed to induce neuronal regeneration and proliferation in vivo allowing one to harvest neurons with a known date of birth. By applying physiological techniques for cell recording we are quantifying biophysical parameters, such as the appearance of ion channels or receptors and the development of synaptic contacts, in developing neurons. <sup>102</sup>

From all his statements, only one meaning can be extracted: Very little is actually known about the sense of smell, even at the science's present advanced level. The conclusion from all the resources that have been mobilized and the research carried out is that much of what is known is still theoretical. What's known, however, is the magnificent structure of the olfactory system. Indeed, Stuart Firestein draws attention to this in the abstract section of his paper:





The mammalian nose is arguably the best chemical detector on the planet, capable of detecting and discriminating among many thousands of compounds.  $^{103}$ 

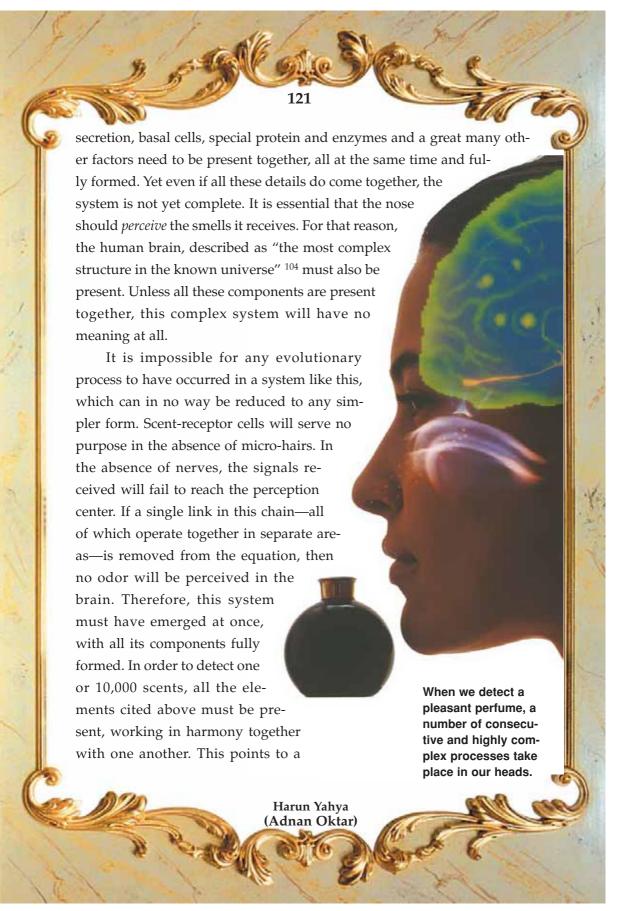
The truth is therefore this: the sense of smell is exceedingly complex, an extraordinary mechanism that cannot be explained in terms of such hollow concepts as chance, mutation or natural selection. The flawlessness of the sense of smell is one of the signs of God's perfect creation, made by the Lord of infinite knowledge and might.

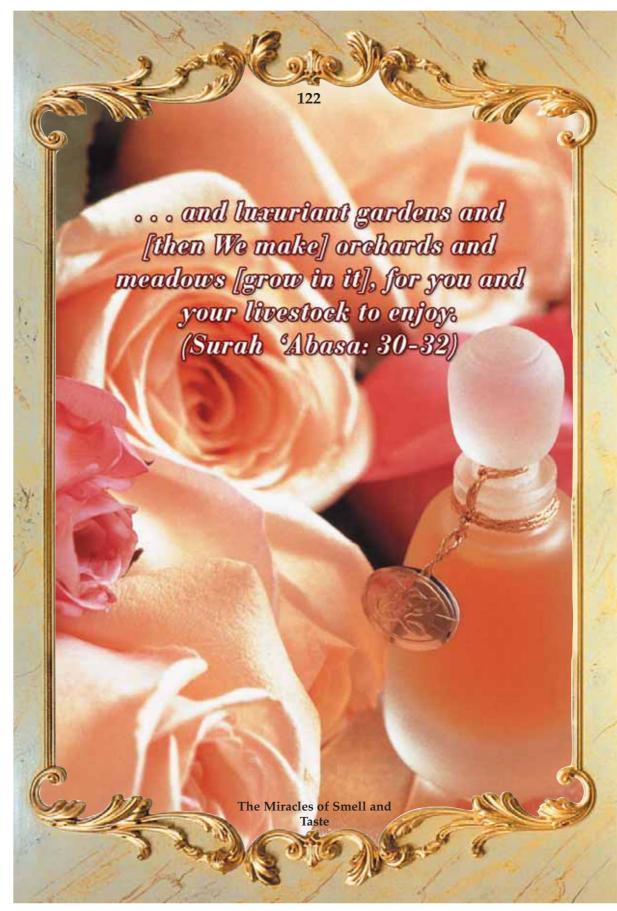
## The Sense of Smell's Irreducible Complexity

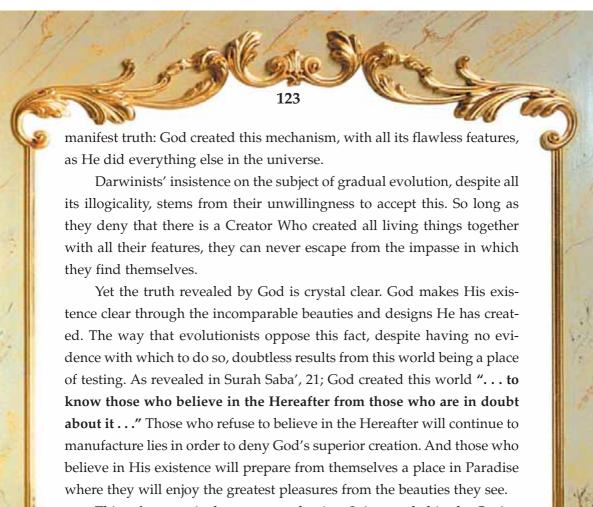
One fact revealed by Professor Michael J. Behe of Lehigh University is that science has discovered *irreducible* complexity in living organisms. This term means that all systems, from largest to the smallest, possess an exceedingly wide-ranging complexity; and within these, there is such order that not even one component can be dispensed with. In order for an organ to function, not even a single one of the components that compose it can be omitted. Otherwise, the organ will fail to function.

This scientific fact totally undermines all the claims of the theory of evolution, because irreducible complexity makes impossible the gradual development expounded by evolutionists. It is impossible, for example, for the eye's 40 different components to form individually and gradually, since unless all 40 are complete, the eye cannot function. Again according to the theory of evolution, a functionless organ will be eliminated through natural selection.

Under these conditions, the same question for evolutionists arises with regard to other complex organs. The sense of smell—that superior mechanism that we've been examining so far—also possesses irreducible complexity. In order for scents to be perceived, the micro-hairs, receptors, scent receptor cells, scent cells, pain receptor cells, olfactory bulb, mucus

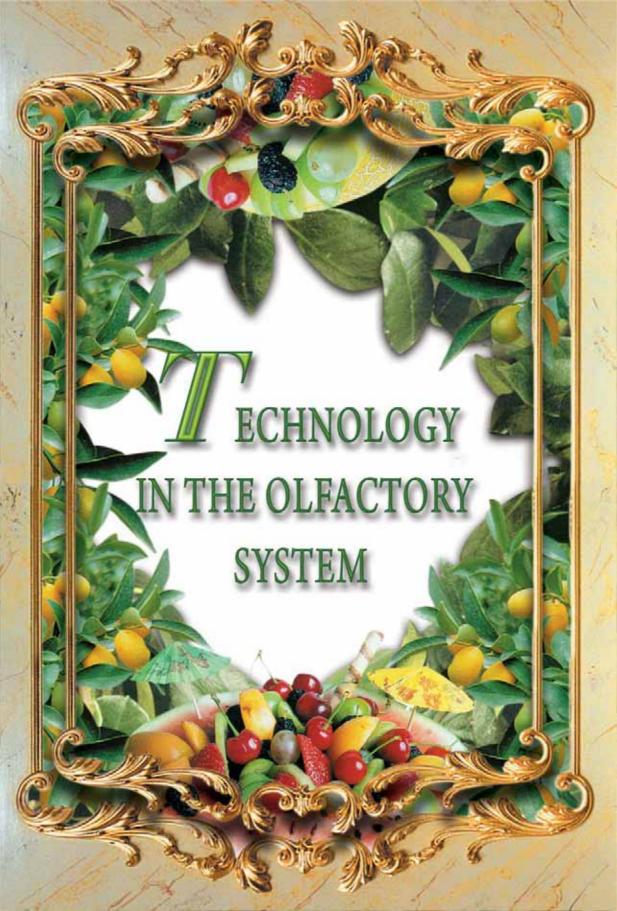






This, of course, is the greatest salvation. It is revealed in the Qur'an that:

But those who believe and do right actions will have Gardens with rivers flowing under them. That is the Great Victory. (Surat al-Buruj: 11)





ave you ever realized that your senses constantly warn you against possible dangers from your surroundings? As you cross the road, for example, if you hear the horn of a car approaching at high speed, you

immediately glance in the direction of the sound and thus avoid an accident that might otherwise be fatal.

Some dangers, however, are beyond the scope of sight and hearing. In some situations, the sense of smell successfully performs a warning function. Of all the potential hazards in your home, you can detect a gas leak, for example, only through your sense of smell. The first sign of a fire beyond your field of vision is the smell of smoke. People with weak or non-existent senses of smell are defenseless in the face of such situations.

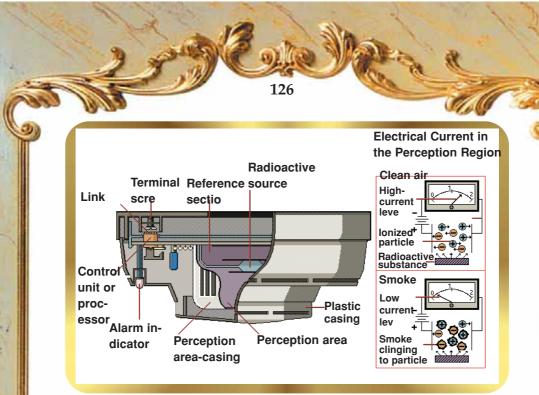
Certain electronic devices have been developed to warn against such dangers. In the designing them, the human sense of smell was taken as the model. For example, gas or fire detectors produced along these lines are just crude imitations of the nose.

#### **Fire Detectors**

As you know, fire detectors react to smoke particles in the air and emit a warning alarm. Consider the models that work according to the principle of ionization. (Figure 20) These devices contain a special detection compartment filled with ions—electrically charged particles. So long as clean air enters the device, these particles' electrical charge remains stable. In the event that smoke enters, however, the ions are neutralized and the flow of electrical current is reduced. The drop in the current sets off a buzzer or other alarm. <sup>105</sup>

The special compartment in these electrical devices can be compared

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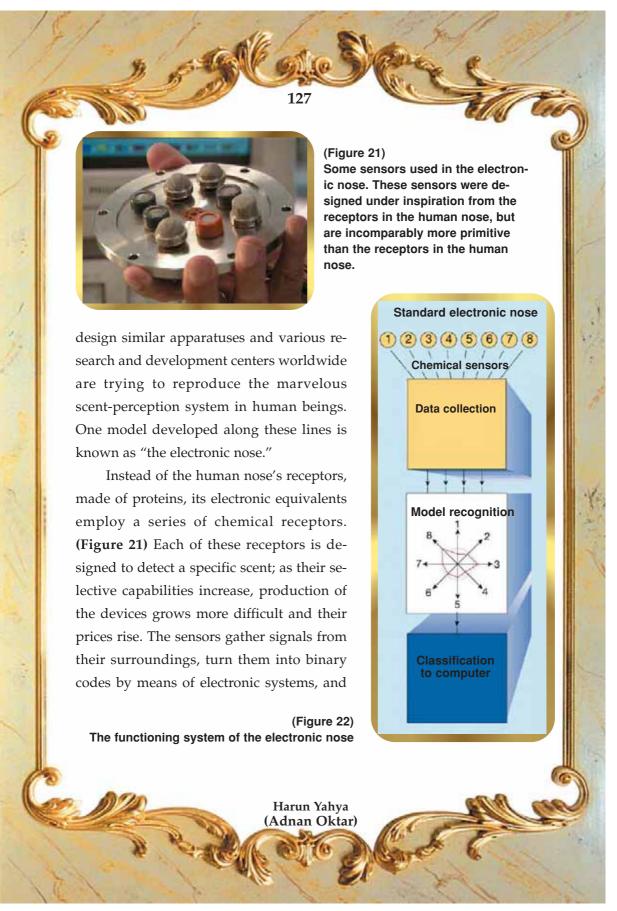
(Figure 20)

The picture shows the comparatively complex structure of a smoke detector. The system in scent perception cells, however, is far more complex than this.

to the scent-receptor cells in the nose. You have already seen how the electrical charge in the receptor cell changes as a result of complex processes, and how a specific message thus emerges. The mechanism in a smoke detector is a rather primitive model of the perception system in the scent-receptor cells. Also, the difference between a fire detector and the human nose is far greater than that between a spacecraft and an oxcart.

#### The Electronic Nose

The human olfactory system can distinguish some 10,000 different odors. A professional in the perfumery business is able to smell a perfume that has a 100 different odorants in it, and list the ingredients. <sup>106</sup> This superior creation in the human nose has encouraged numerous scientists to



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send them to a computer. Electronic systems may be compared to the nerve cells in the olfactory system, and the computer itself as an imitation of the human brain. The computer is programmed to analyze data transmitted to it, thanks to which it interprets the signals in binary code. (Figure 22)

Electronic noses developed in this way are used in various sectors, especially the food, perfume and chemical industries and medicine. Universities and international organizations provide major backing for such projects. Nonetheless, as stated by Julian W. Gardner of Warwick University, "We're at the early stages of the technology" 107

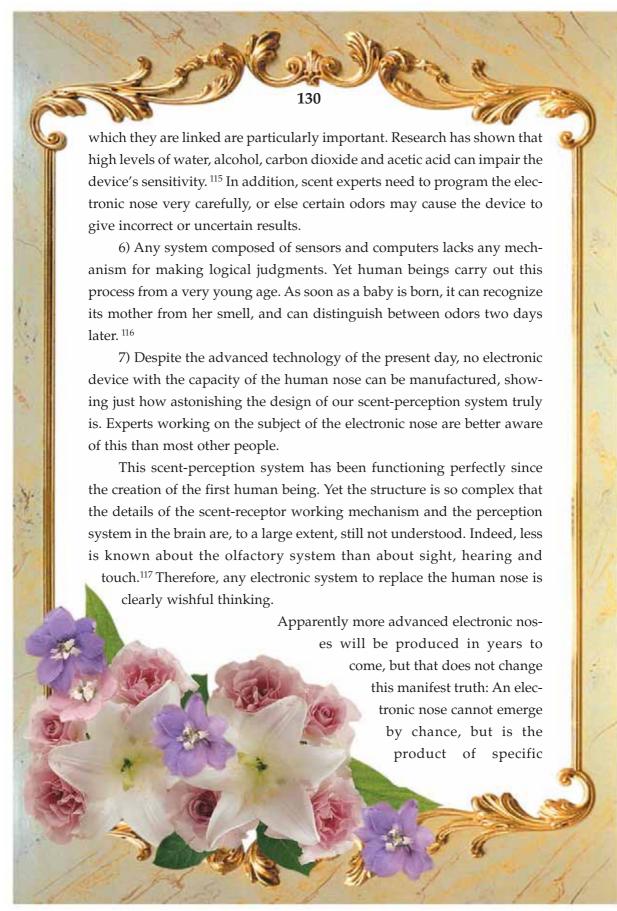
# A Comparison of the Human and Electronic Noses

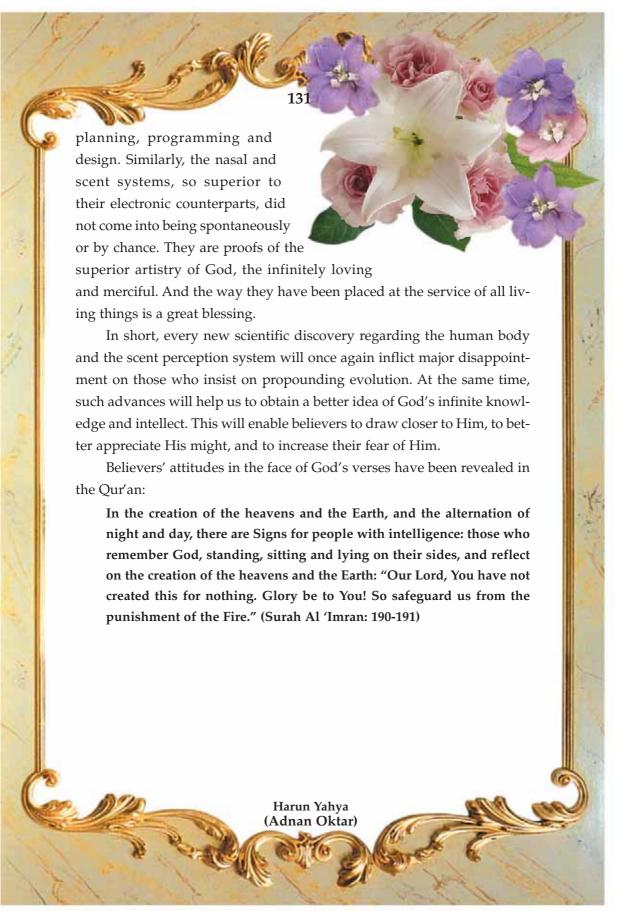
Scientists say that there no equivalent to the perception capacity of the scent-sensitive cells in the nose. <sup>108</sup> Furthermore, some researchers openly state the impossibility of developing an electronic device that can fully duplicate the human nose. Edward J. Staples, an expert in electronic sensor technology, is one who openly admits this. <sup>109</sup> Another scientist, Professor W. James Harper, says, "An electronic nose is not a replacement for people—it is a supplement" <sup>110</sup> emphasizing that the electronic nose can only be an adjunct.

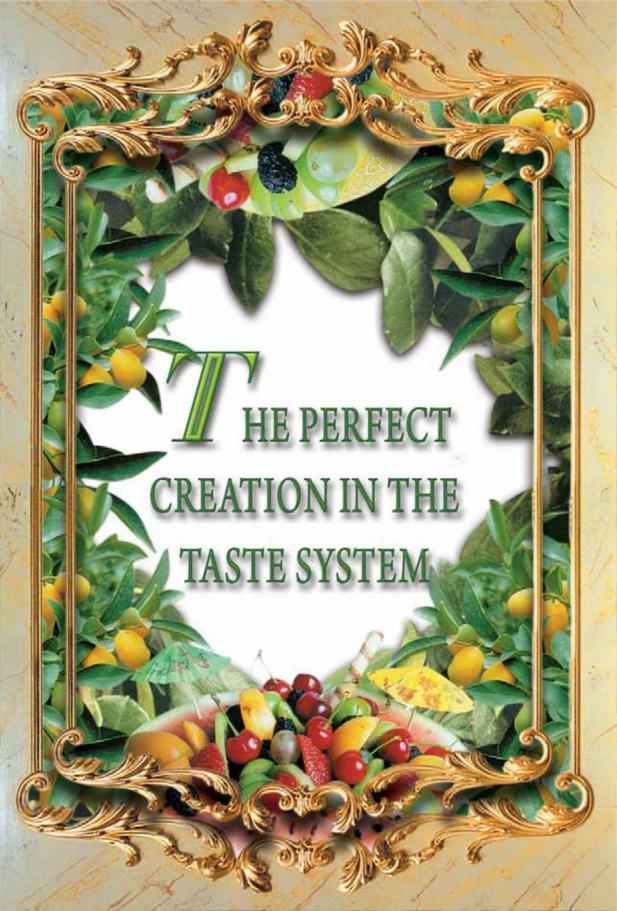
His statement may be expressed by an analogy: A camera cannot replace the eye, only support it. The relationship between the human nose and its electronic counterpart is much the same.

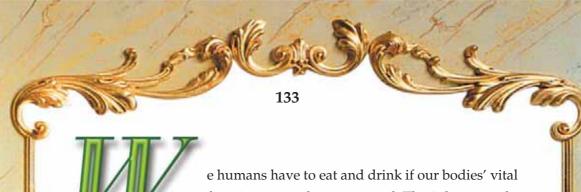
George Aldrich, chemical specialist at NASA, stated in the 23 June, 2001, edition of *New Scientist* magazine that nothing could surpass the human nose. When asked why NASA did not use electrical equipment in olfactory tests, Aldrich's replied, ". . . in my opinion, they don't come anywhere close to the range of the human nose. There's nothing better than











e humans have to eat and drink if our bodies' vital functions are to be maintained. That's how we obtain the necessary energy for the trillions of cells in our bodies.

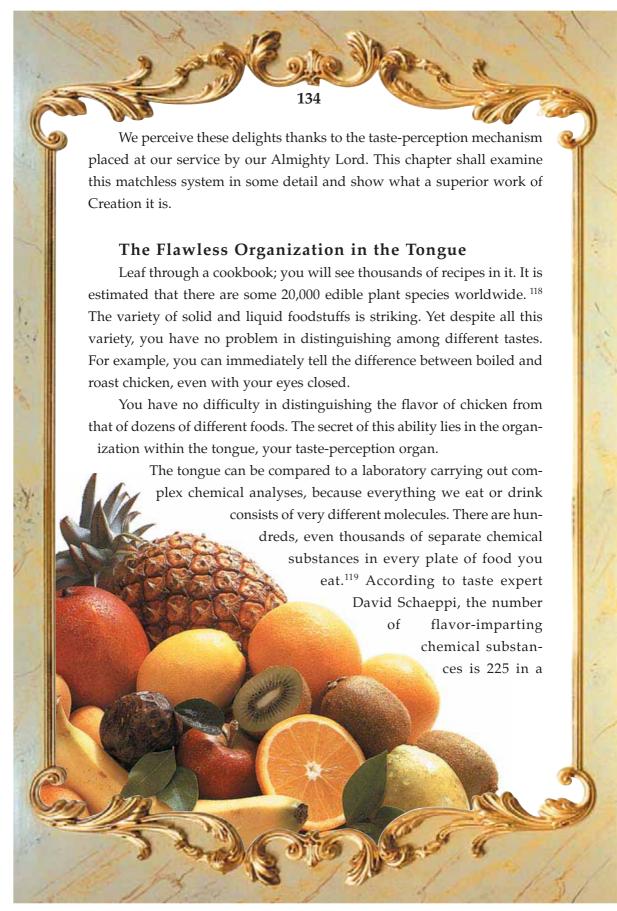
In eating, we actually take decisions that will directly affect our health. We know what to eat, and what not to. We understand which foods are nutritious, which have no nutritional value, and those that may be harmful. We throw out foods that go stale or rotten, whose tastes we immediately recognize. We can tell ripe fruit from unripe by evaluating how bitter it is. We can distinguish acidic liquids from bitter ones, and toxic substances by their bitter taste. We can easily select foods that provide us with mineral salts and fluids necessary for maintaining our bodies' equilibrium, the amino acids used for protein synthesis in our cells, and the carbohydrates and lipids to meet our energy requirements.

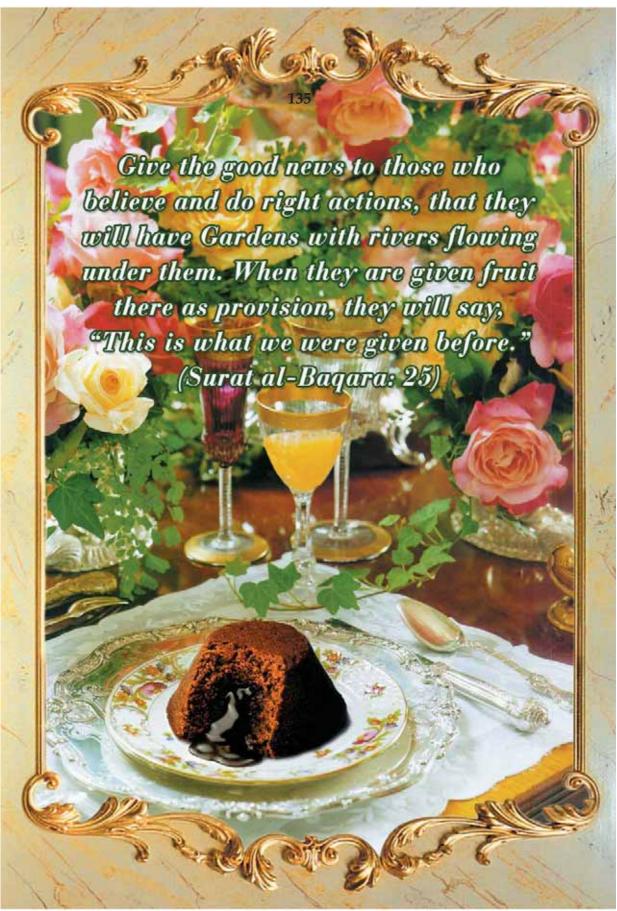
Moreover, we know when to eat certain foods and when not to. When feeling fatigued, we choose ones with high levels of vitamins, minerals and sugar. When our blood pressure falls, we eat salty foods, but avoid salty foods and drinks when it rises.

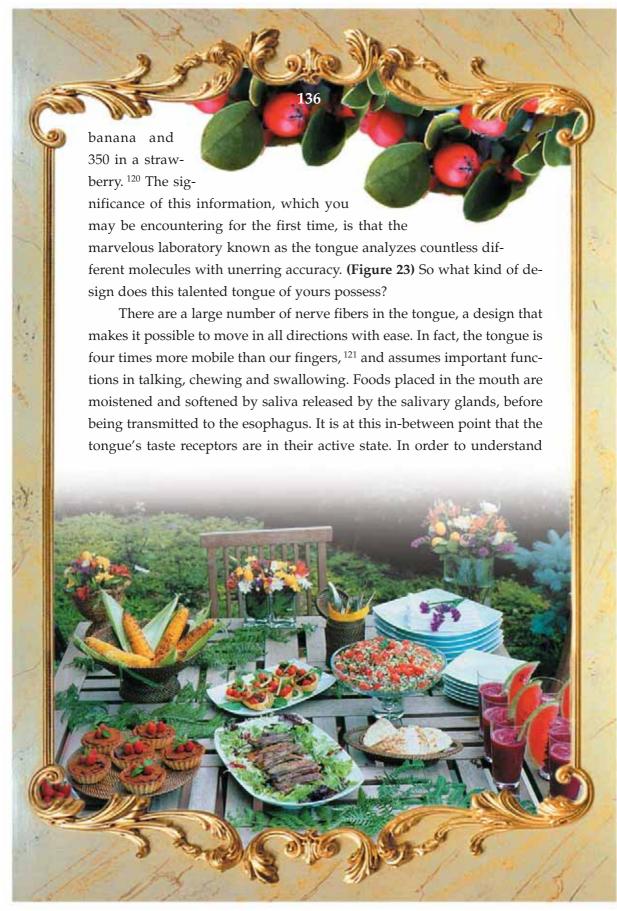
The marvelous system we possess, taste, allows us to do all this. Our flavor- perception system analyses proteins, ions, complex molecules and many other compounds, and works unceasingly on our behalf for our entire lives.

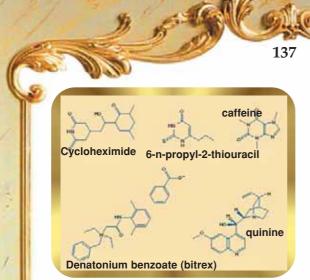
Along with meeting our daily nutritional requirements, we take great pleasure from the incomparable flavors of well-cooked meals, fruit, cakes and desserts. Try to recall all the many delicious foods and drinks you have sampled in your life: the lemonade and fruit juices to quench your thirst, the melons you ate in the heat of summer, a chop sizzling on the barbecue, chocolate ice cream, cakes, pies, pasties, puddings, rice, honey . . .

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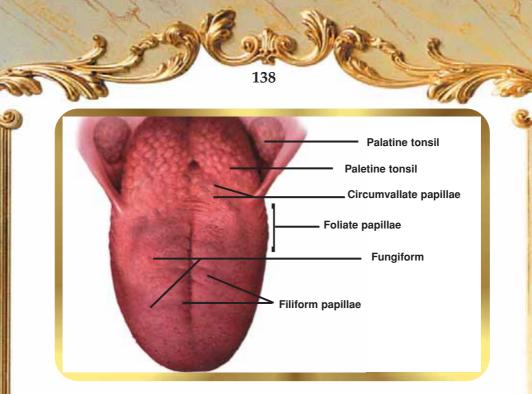
(Figure 23)

The substances here leave a bitter taste in the mouth. As we can see, the chemical structures of these few substances are very different from one another. Thanks to the perfect creation and extraordinary capacity of the taste-perception system, we are able to perceive countless taste molecules.

their activity, we must first be acquainted with the set-up within the tongue.

Taste-receptor cells are specialized cells found only in the tongue and in certain regions of the mouth. The taste-perceiving cells in the tongue are collected in bulb-like structures known as taste buds—structures known as papillae. These tiny protrusions that give the tongue its familiar rough appearance are found on the tongue's upper surface and sides. There are four kinds of papillae, distributed among various regions. (Figure 24) The most striking of these are the fungi form papillae at the front of the tongue, which become more clearly visible after one has drunk milk. The vallate papillae, larger and fewer in number than the others, are set out in a reverse V shape at the back of the tongue. Foliate papillae are found on the rear sides of the tongue. Fungiform, vallate and foliate papillae contain taste buds. Filiform papillae, the most numerous type, do not contain taste buds, and cover almost the entire surface of the tongue. These are concerned with the sense of touch.

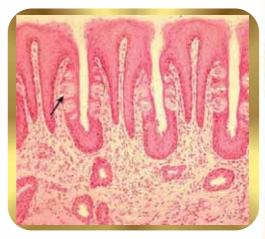
When the tongue is examined under a powerful microscope, the first thing one notices is a structural regularity. From smallest to largest, the or-



(Figure 24)
The positions of the papillae on the human tongue

der runs: taste cell, taste bud, papilla. There are around 10,000 taste buds in the tongue. <sup>122</sup> **(Figure 25)** Vallate papillae contain between 700 and 3,000 taste buds, and foliate papillae from 320 to 2,950. There are around 3 to 10 taste buds in each fungiform papilla. <sup>123</sup> The number of taste cells in every taste bud varies between 50 and 100. <sup>124</sup>

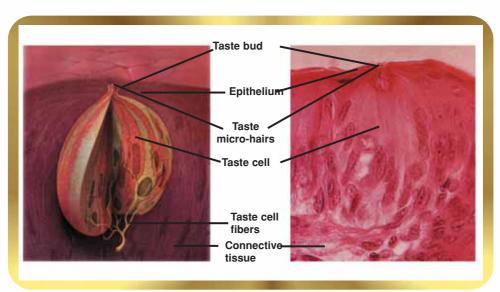
These figures are significant in demonstrating the balance in creation. If the number of taste cells and taste buds is below nor-



(Figure 25)
Taste buds photographed under an electron microscope

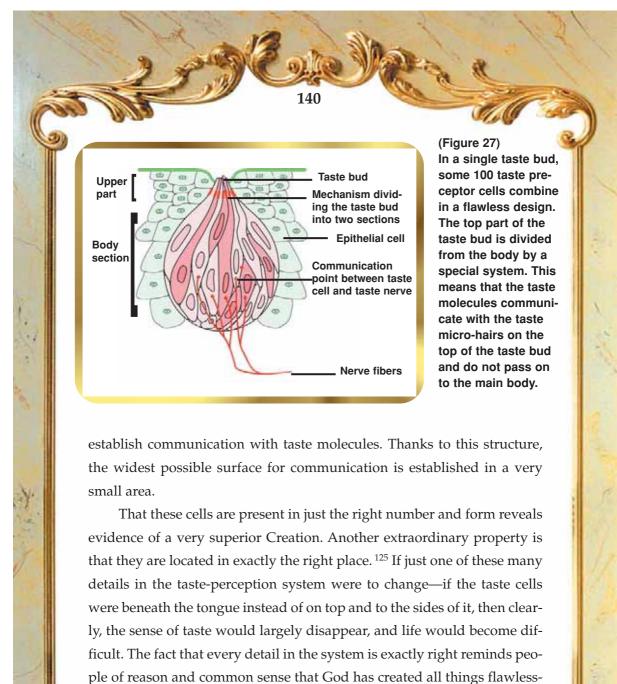
mal, then one's sense of taste will decline, and even disappear. But if the number is greater than normal, then familiar flavors will seem excessively sweet or bitter. Clearly, each cell needs to be present in exactly the right number, or eating and drinking would be unpleasant, even uncomfortable.

As you know, the smaller an electronic device, the more successful its design is considered to be. That's why engineers try to the greatest possible use of a small space. Looking at the organization in the taste buds, examples of this design principle are immediately apparent. Some 100 taste cells are set out in the taste bud in an ideal manner (Figure 26-27). In addition, the buds also contain a number of basal cells and secretion cells, the taste cells' production center. When we examine the structures in the papillae, we encounter a similar situation. (Figure 28-29) In the cleft around the papilla, the taste cells arranged along the edges of the papillae



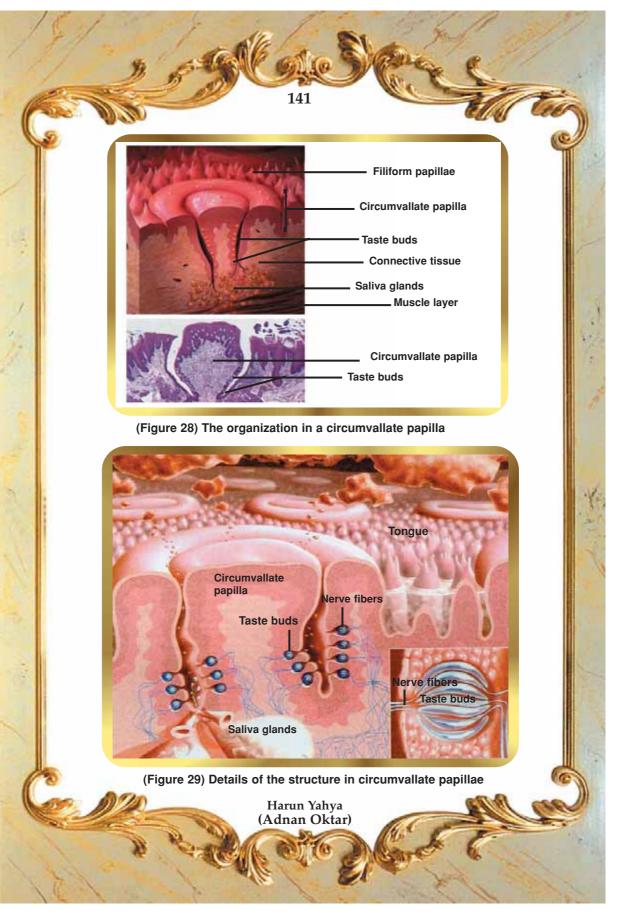
(Figure 26) The organization in a taste bud.

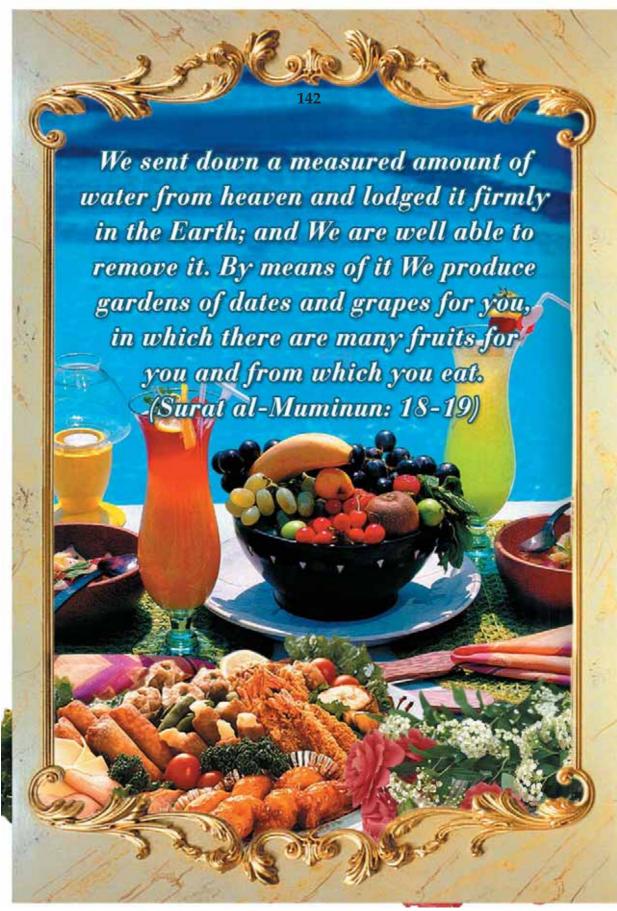
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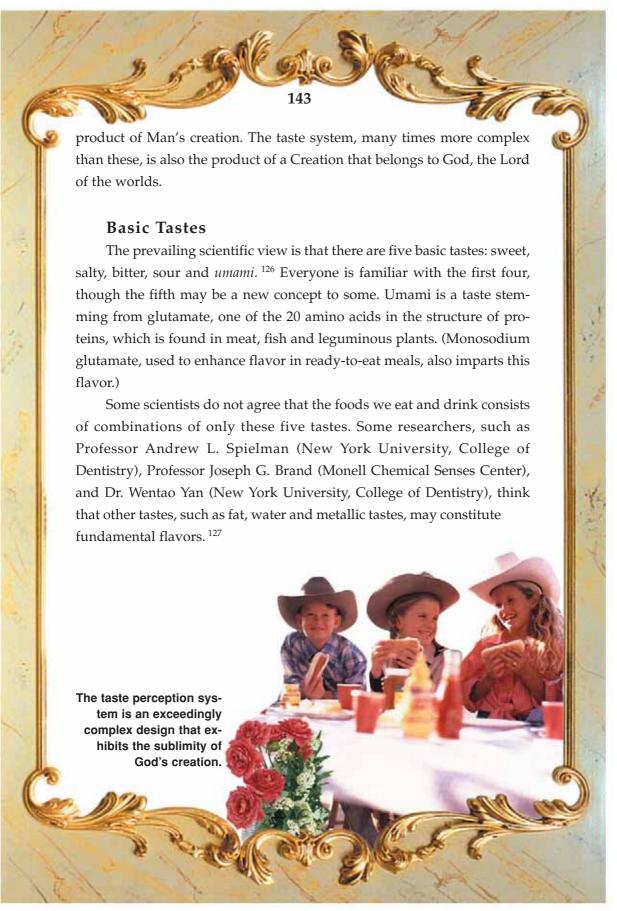


There can be no organization without an organizer, and no arrangement without an arranger. When you look around you, everything you see—tables, chairs, lamp, curtain, window, television, computer—is a

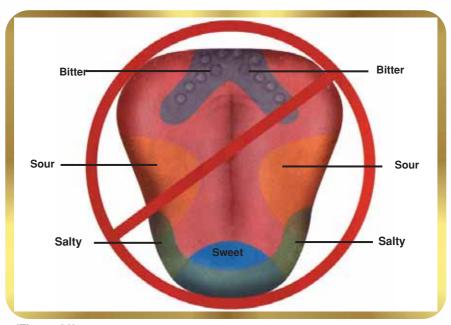
ly, within a perfect order.





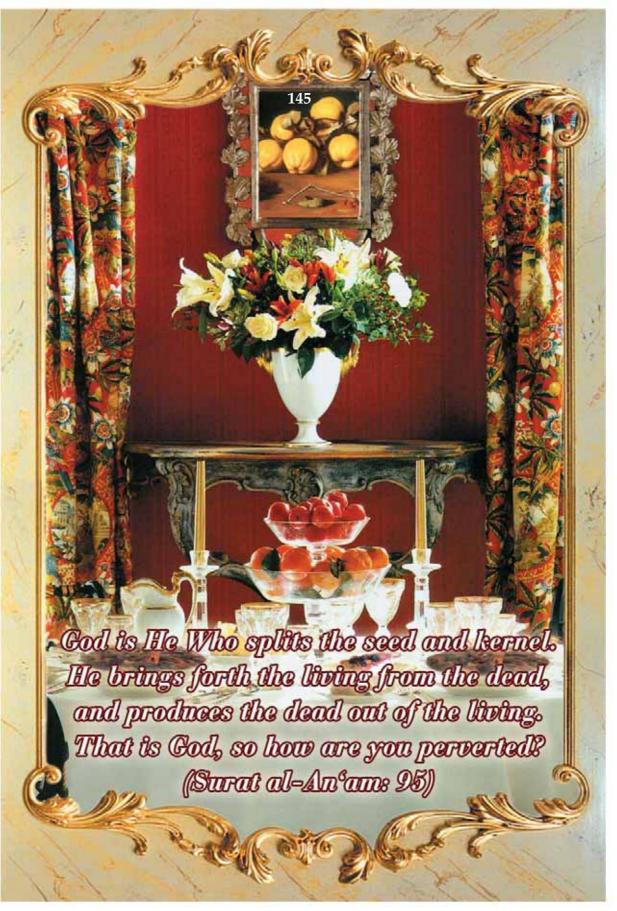


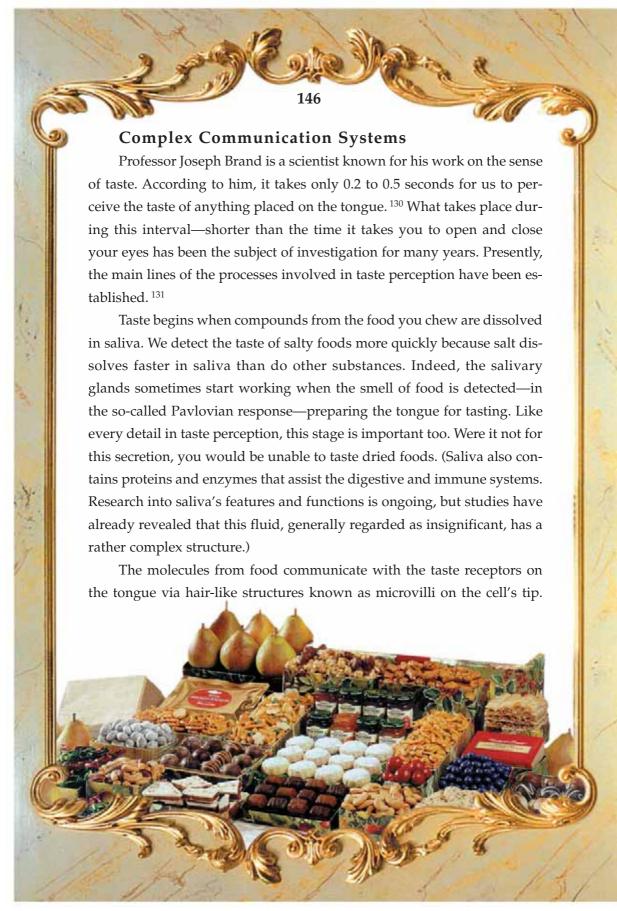
One piece of information that research brought to light is that the *taste map* is incorrect. <sup>128</sup> **(Figure 30)** The taste map was originally based on the assumption that sweetness was perceived at the tip of the tongue, saltiness on the edges, sourness on the sides and bitterness at the back. But this map resulted from a misinterpretation of 19th-century research. The latest research shows that taste cells react to more than one stimulant, <sup>129</sup> and that each taste receptor has a more complex communication system than had been thought. Contrary to previous belief, every taste cell establishes communication with several specific stimuli, not just one. The methods of communication in receptor cells are one of the proofs that these cells are the work of Creation.

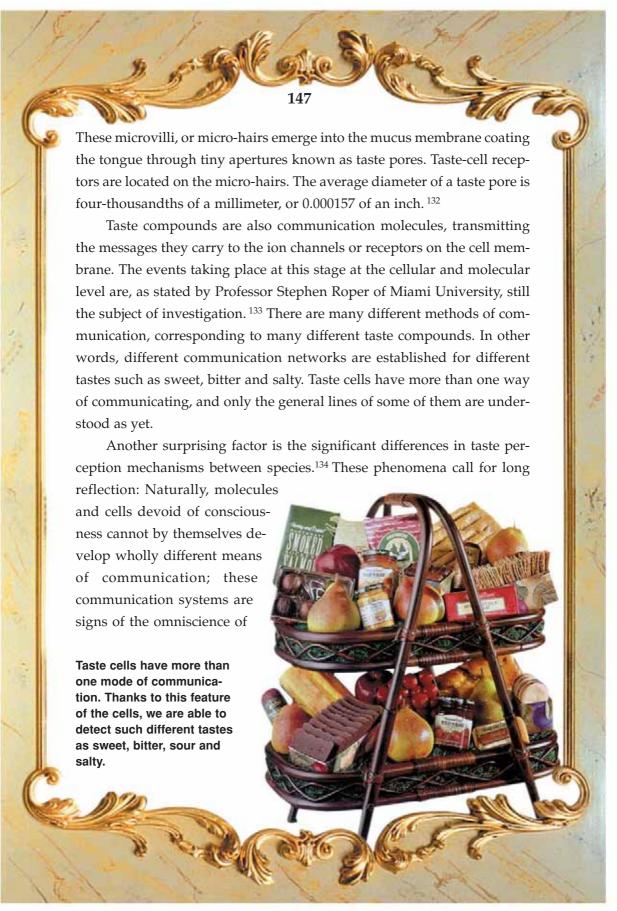


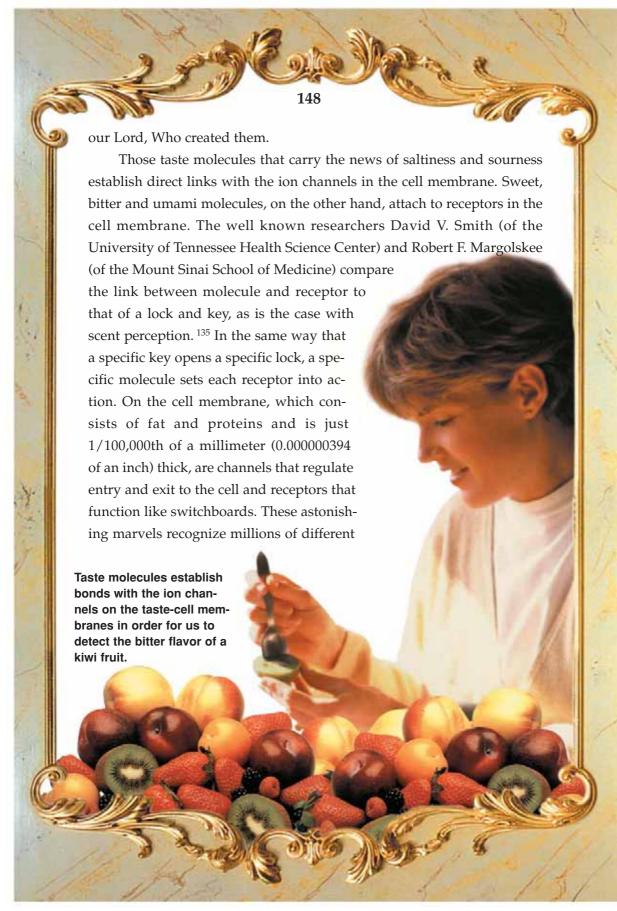
(Figure 30)
Latest scientific research has revealed the error of the so-called taste map and the existence of an exceptionally complex communications system in every taste cell.

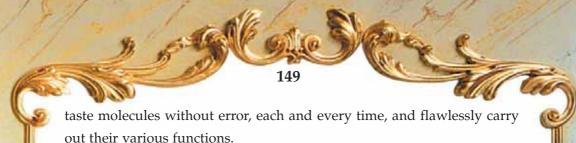
The Miracles of Smell and Taste











We pointed out that there are around 1,000 different receptors in scent perception, but the number of different receptors in taste perception is unknown. Last years, various researchers first discovered the *T2R/TRB* receptors. <sup>136</sup> Professor Linda Buck states that this discovery is only the beginning of a likely long process of research into taste. <sup>137</sup> The researcher Professor Charles S. Zuker states that it is impossible to estimate how many different taste receptors will emerge before the research is completed. <sup>138</sup> Even with 21st -century technology, a large part of the structures in taste-cell receptors remain a mystery. This once again shows that the structures in question are the product of a superior Creation.

When the receptors are stimulated, a series of complex processes is initiated within the taste cell. During these stages, a great many proteins and enzymes fulfill their functions to the letter. For instance, when a sugar or artificial sweetener molecule attaches to a receptor, the protein complex known as gustducin goes into action. Particles separating from this complex activate a special enzyme. The enzyme in question transforms certain proteins inside the cell into second messengers. These messengers, in return, send the command for the potassium channels in the cell membrane to close. At the same time, the sodium and calcium channels are opened, and positively-charged ions begin entering the cell. In this way, the cell's initial negative charge is eliminated, and the cell enters a neutral state. As a result of certain complex processes still not fully understood, the cell begins emitting chemical messengers known as *neurotransmitters*. These chemicals carry messages to the neurons around them. It is still not known for sure which neurotransmitters carry messages between the taste cell and the neuron. However, it is thought that chemical messengers

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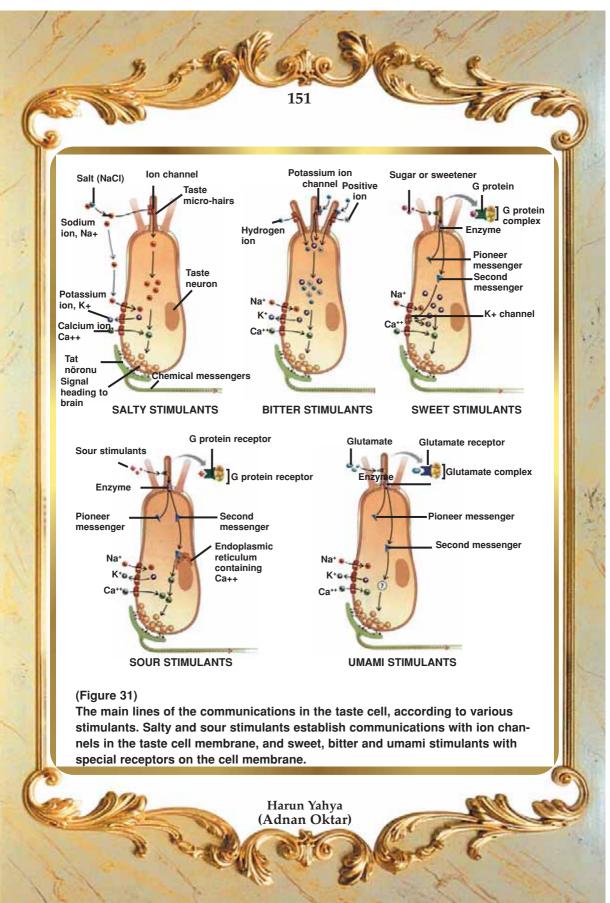
such as serotonin, GABA, acetylcholine and adrenalin play a role in the taste-perception system.  $^{139}$ 

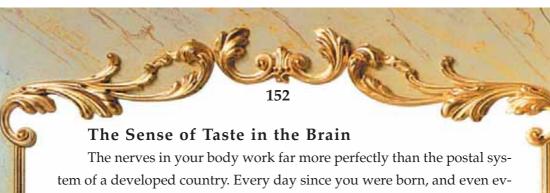
Figure 31 shows the events that take place in taste cells, depending on various stimuli. In examining these, bear in mind the following two points: First, the changes that take place in the taste cell in response to different stimuli are shown with different drawings of cells, to assist your comprehension. In fact, as we have already discussed, taste cells enter into reactions not with one, but with more than one stimulant. The second point is that only the main lines of the communication in the taste cell are shown here.

As you know, engineers produce detailed technical drawings showing the working systems of mechanical or electronic devices—clear evidence that the devices were designed by engineers, technicians or experts. No rational person can imagine that a device which he has seen in a blue-print came into being spontaneously. Now look at the taste cell communication mechanisms in Figure 31. Can you imagine that these came into being without being designed? Of course not! No rational, logical person can be taken in by such an idea.

The theory of evolution maintains a similarly irrational claim. It is crystal-clear that the taste cell's advanced methods of communication cannot be the work of chance or coincidence. Every stage of the system contains the most delicate and detailed calculations and arrangements that occur in a small fraction of a second. Any one of these stages is sufficient to show the existence of God, its Creator. The way evolutionists persist in their denial in the face of all the obvious evidence can be explained by their inability to rid themselves of their irrational, illogical obsessions.

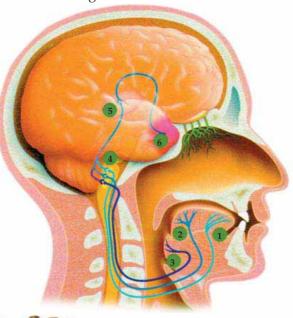
The Miracles of Smell and Taste





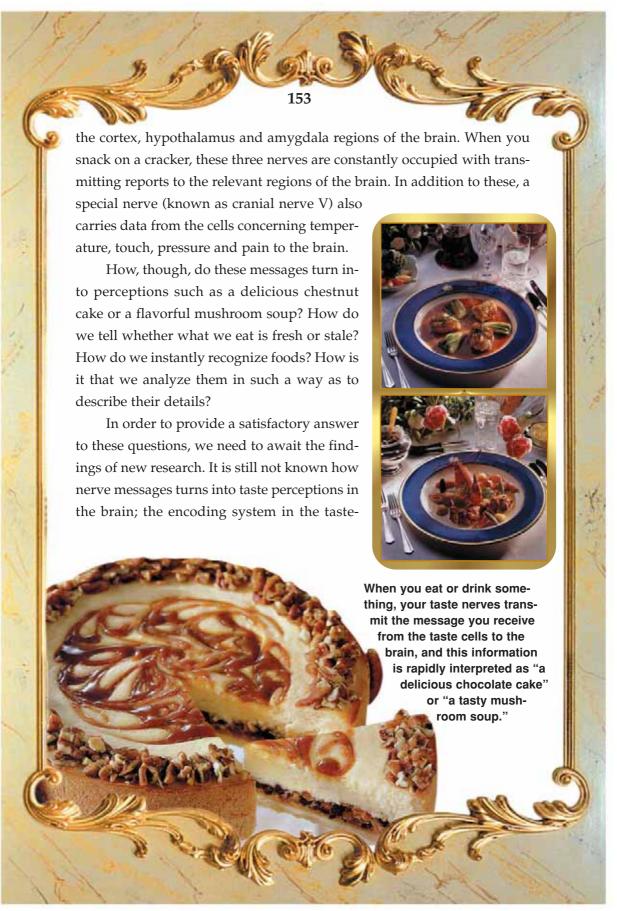
The nerves in your body work far more perfectly than the postal system of a developed country. Every day since you were born, and even every moment, they have carried information to exactly the right addresses with an extraordinary success, never losing any information. In your brain there are around 100 billion nerve cells. <sup>140</sup> When you eat or drink anything, three nerves related to taste carry the message they receive from your taste cells to the relevant addresses from among those 100 billion. In addition, they do this impeccably, for so long as you live.

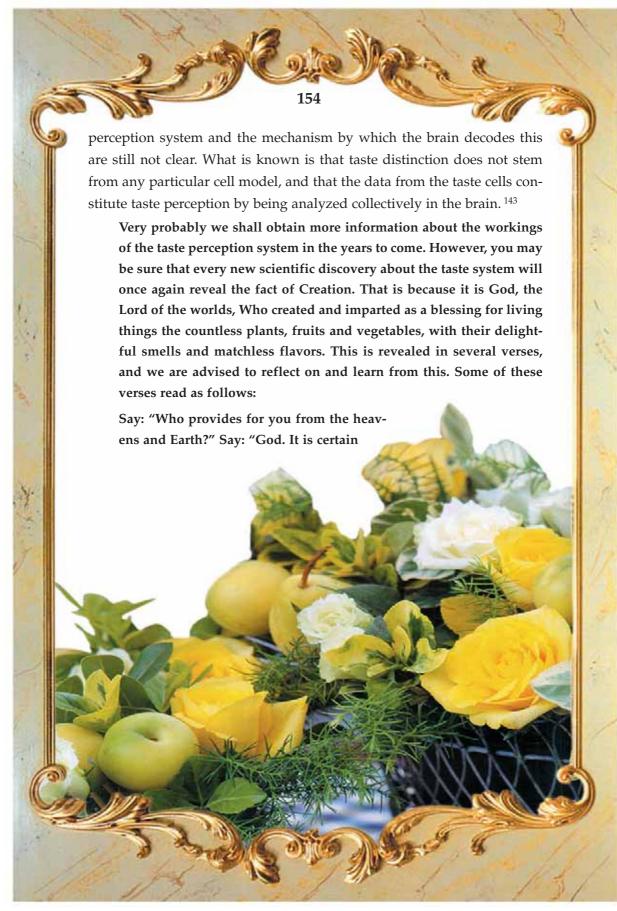
The diameter of these nerves is less than 0.004 of a millimeter (0.000157 of an inch). <sup>141</sup> Taste messages are transmitted to the brain by the *chorda tympani* nerve from the front two-thirds of the tongue, and from the rear third by the glossopharyngeal nerve. The *vagus* nerve transmits to the brain the taste signals it receives from the back of the mouth. <sup>142</sup> (Figure 32) These three nerves send the reports from tens of thousands of taste cells to the region known as the brain stalk. From there, taste data go to

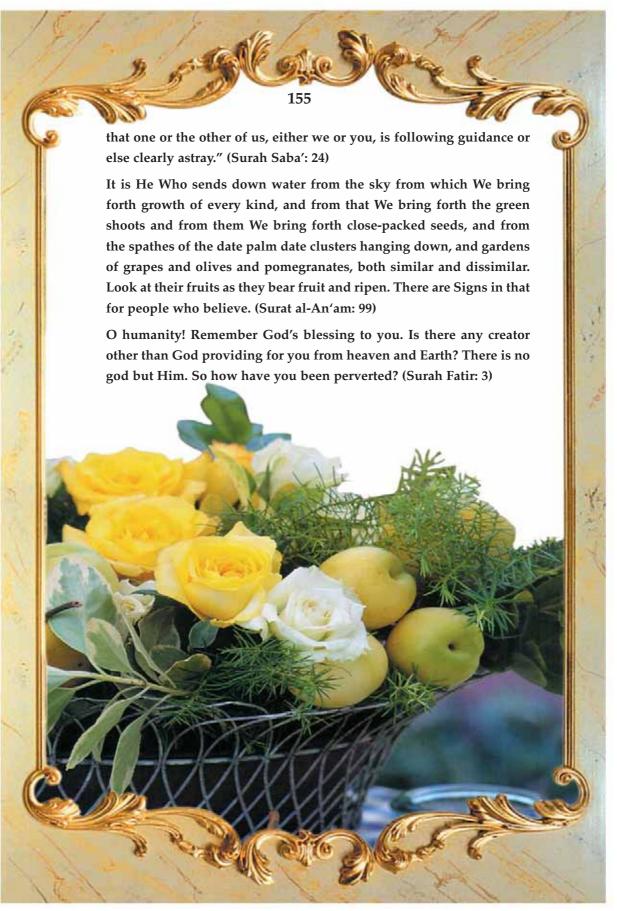


(Figure 32)
The Chorda tympani
(1), glossopharyngeal
(2) and vagus (3)
nerves combine in
the spinal bulb (4),
from whence they
carry messages to
the relevant sections
of the brain (5)–(6).

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## The Changing of the Guard in the Taste Cells

As you know, every piece of apparatus has a finite working life. The harder and heavier the conditions under which a device operates, the shorter its lifespan will be. The same applies to the taste cells in the tongue. Every day, they come into contact with foodstuffs considerably above or below body temperature, and with acidic foods, which present them with difficult, even extreme conditions. For example, a hot cup of tea, an iced fruit juice, strong coffee or bitter grapefruit juice all wears them down to a degree. One would naturally expect the taste cells to gradually lose their perception capabilities and for the sense of taste to be lost. Yet such a thing does not happen. Why, then, does your sense of taste not fade and die?

The reason is the taste cells' renewal mechanism. On average, they change every 10 days. <sup>144</sup> In other words, the taste cells you have now are entirely different from those you had 10 days ago. Basal cells in the taste bud mature and replace the old cells within a few hours. **(Figure 33)** These

Taste micro-hairs

Taste receptor cell

Support cell

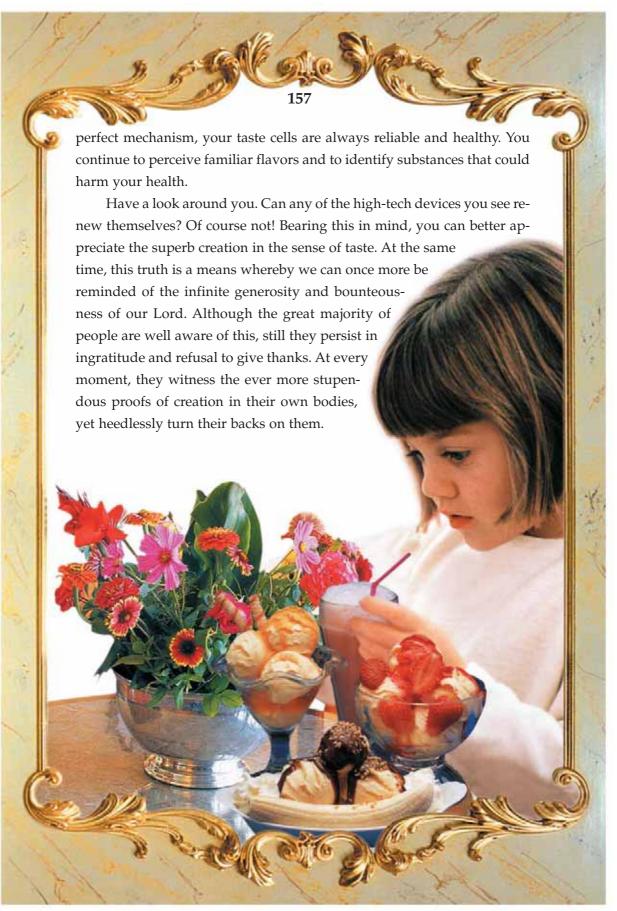
Basal cell

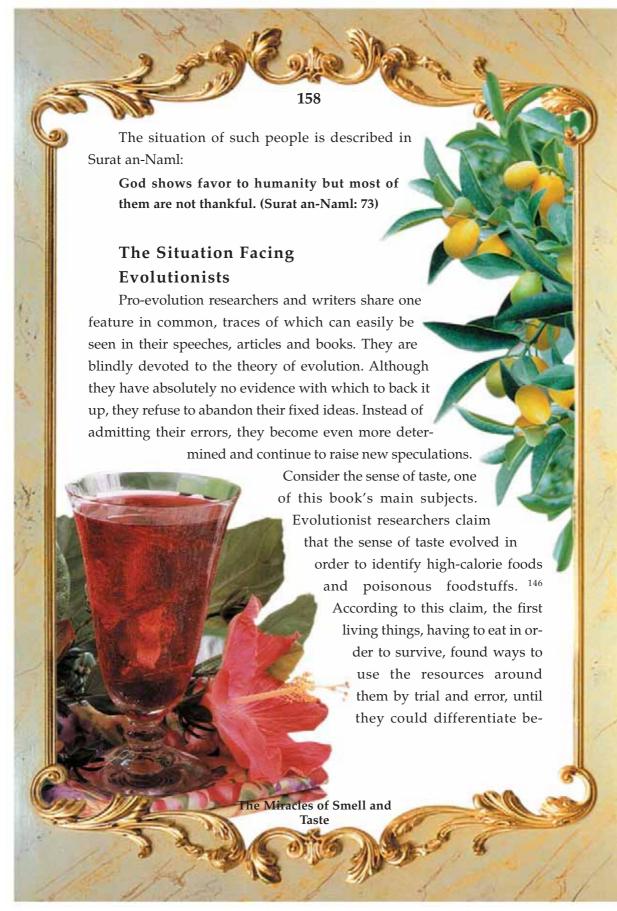
Nerve

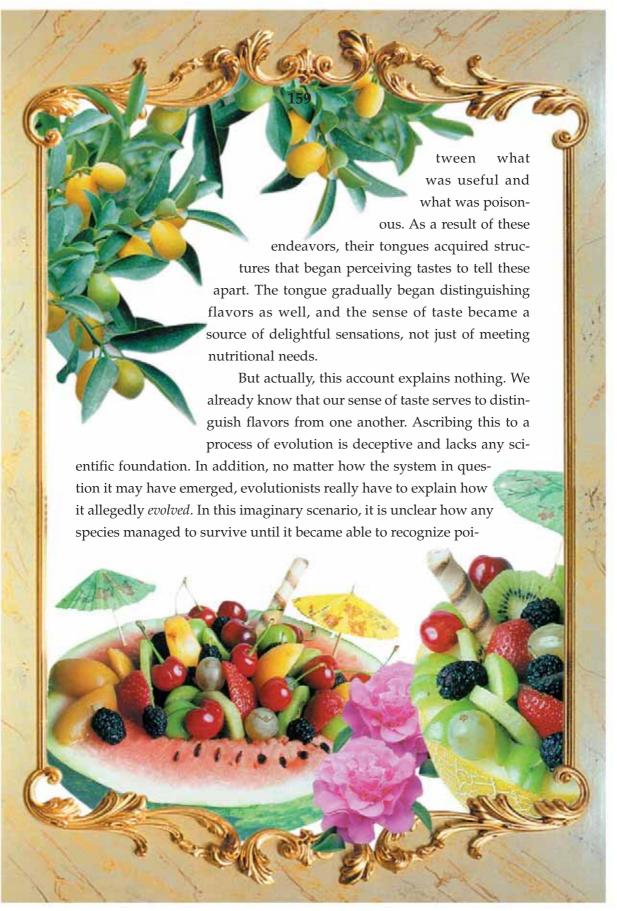
processes, of which you are utterly unaware, take place so quickly that the taste cells you use at dinner are different from those you had at breakfast. <sup>145</sup> Thanks to this

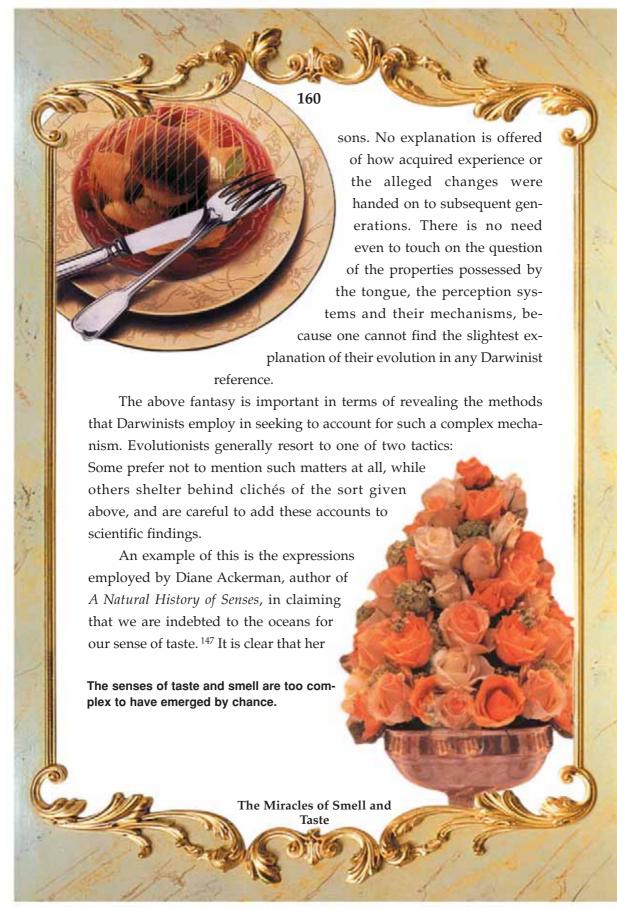
(Figure 33)
The position of basal cells in the taste bud, where new taste cells develop

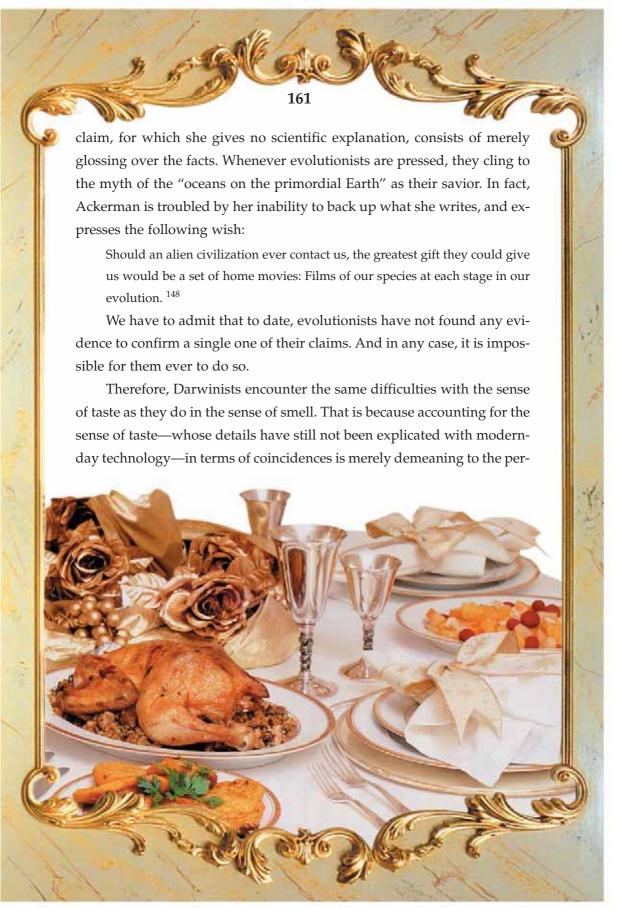
The Miracles of Smell and Taste

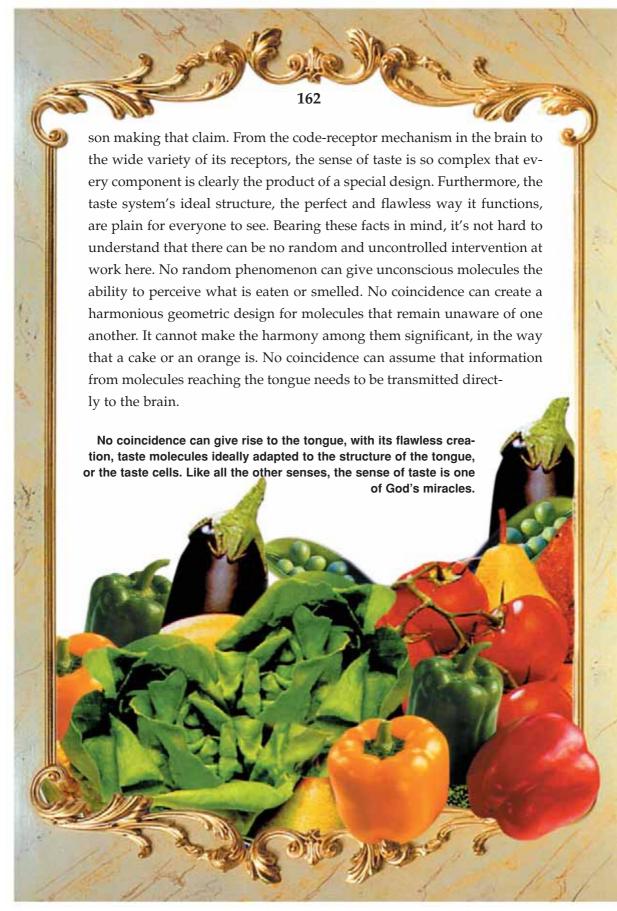


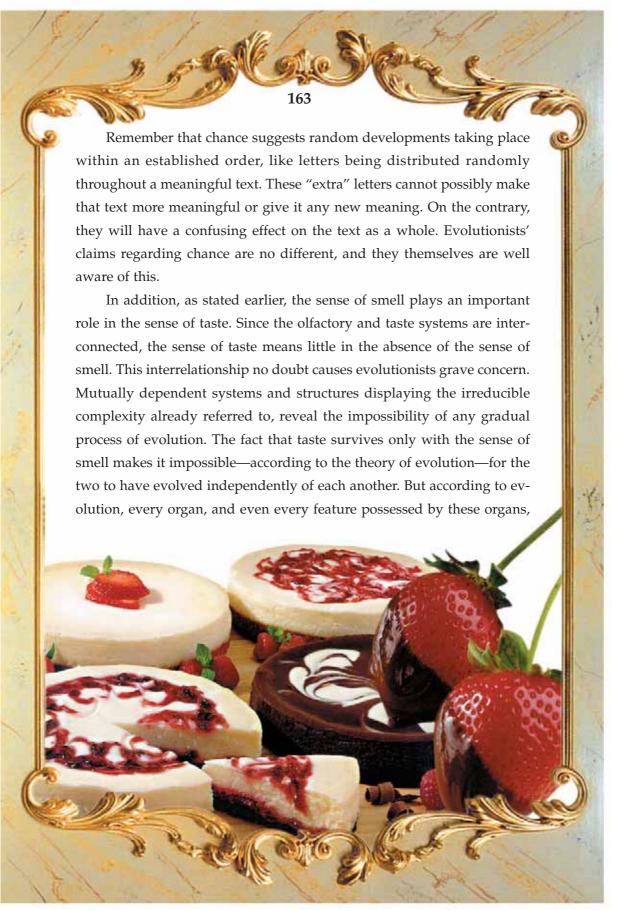


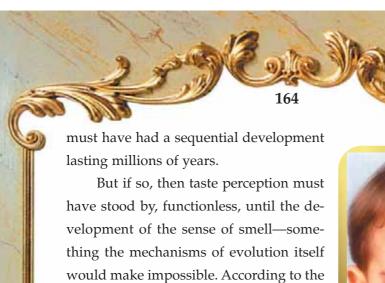












theory of natural selection, any structure with no function will atrophy, become vestigial, and eventually disappear.

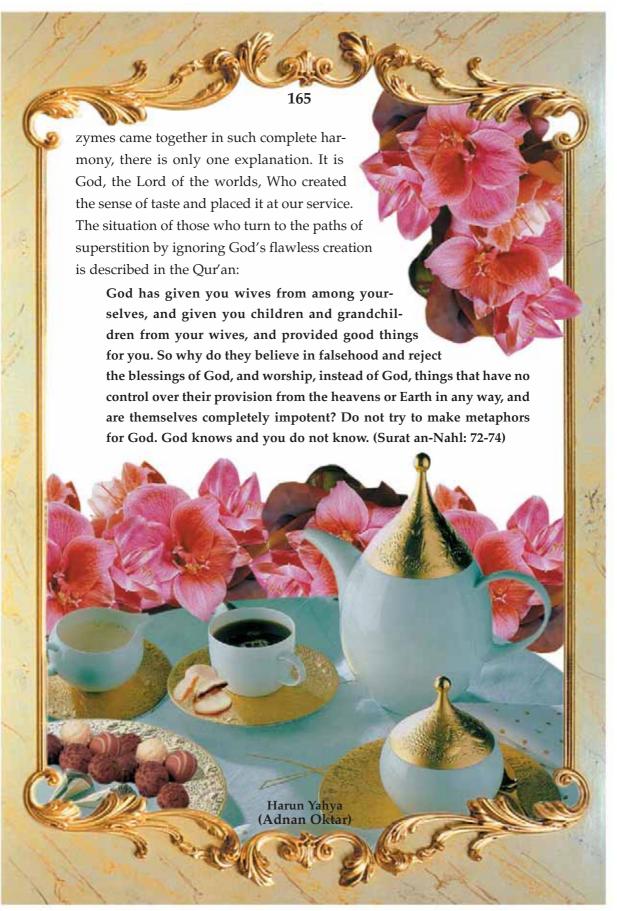
All this means that even while evolutionists cannot explain how the extraordinarily complex taste perception evolved, they also face a major problem in accounting for how it evolved in cooperation with the sense of smell. How did two different systems, each of which permits the perception of chemical substances, evolve? The evolutionists have no answer to give.

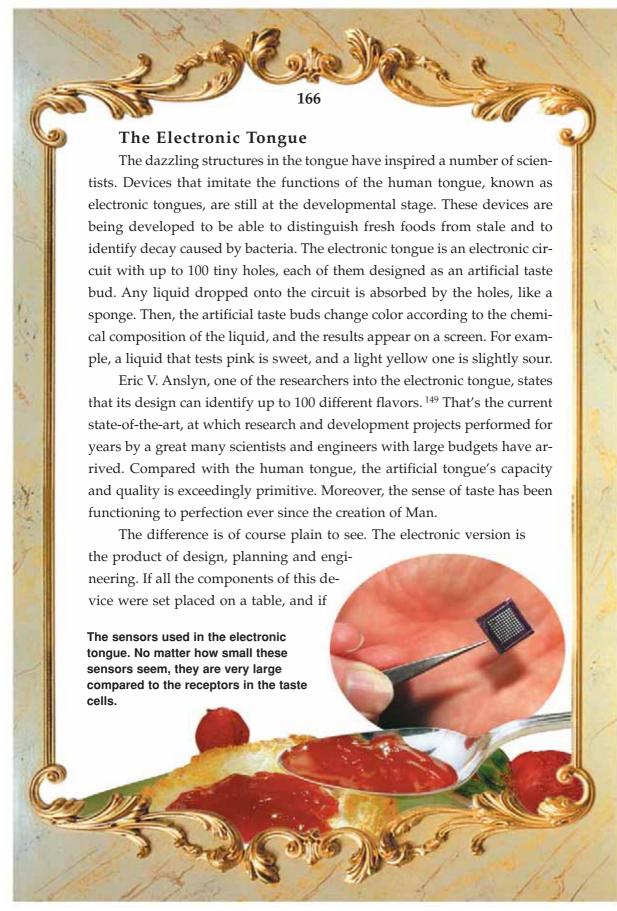
Anyone possessed of conscience and consciousness will clearly see that for the way that the brain, tongue, taste nerves, papillae, taste buds, taste cells, taste receptors, various different proteins and en-

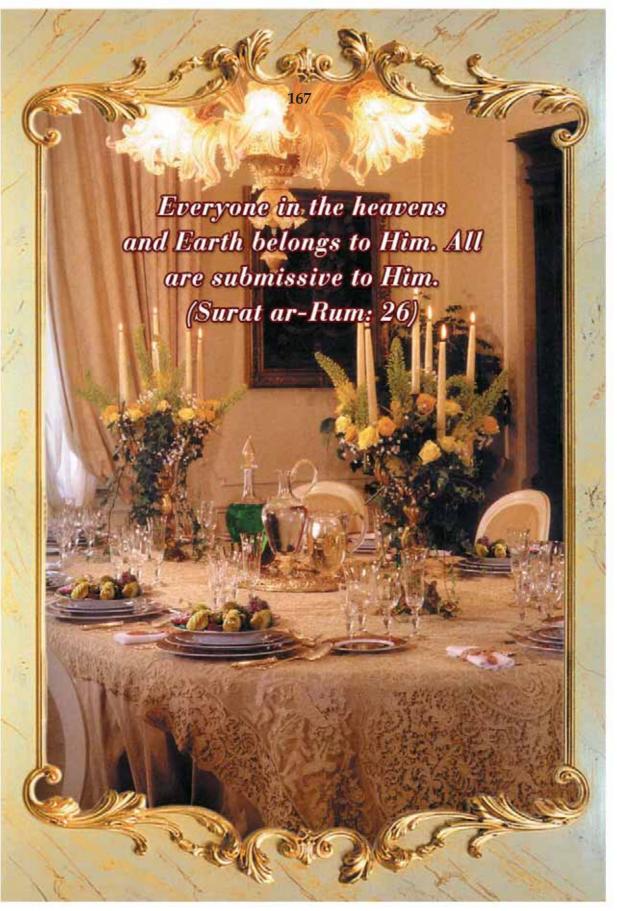
The sense of taste is a blessing bestowed on human beings by God, and a manifestation of His compassion.

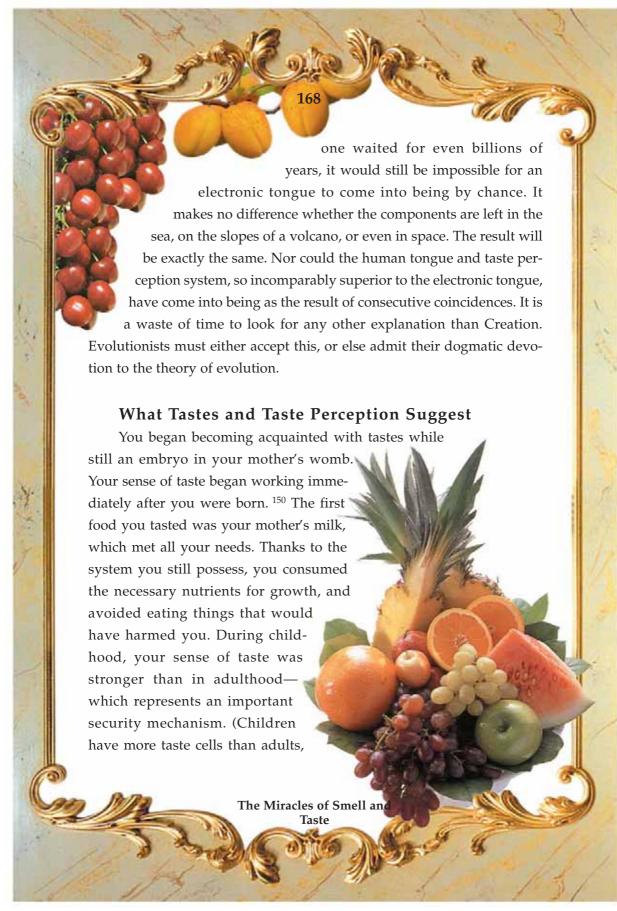


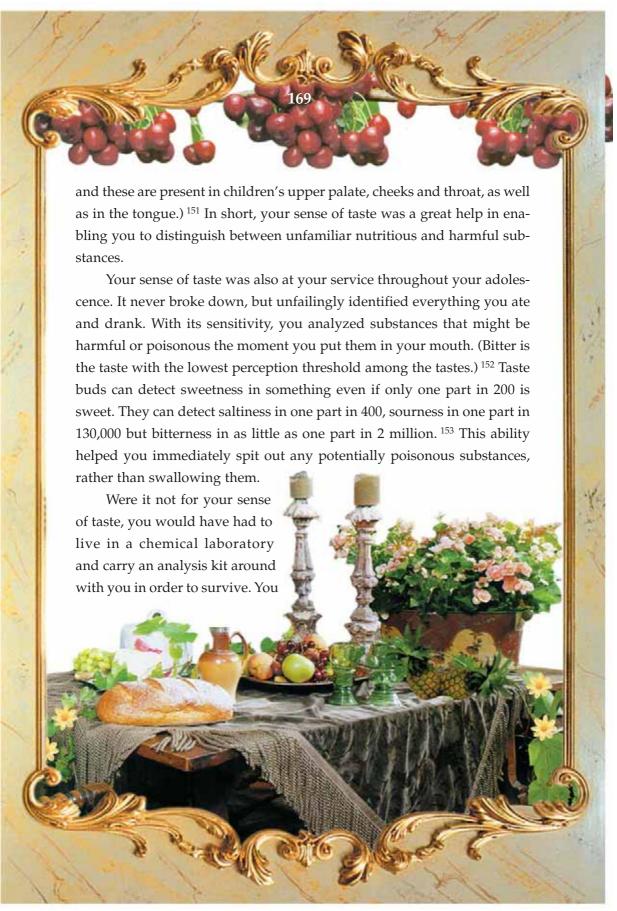
The Miracles of Smell and **Taste** 

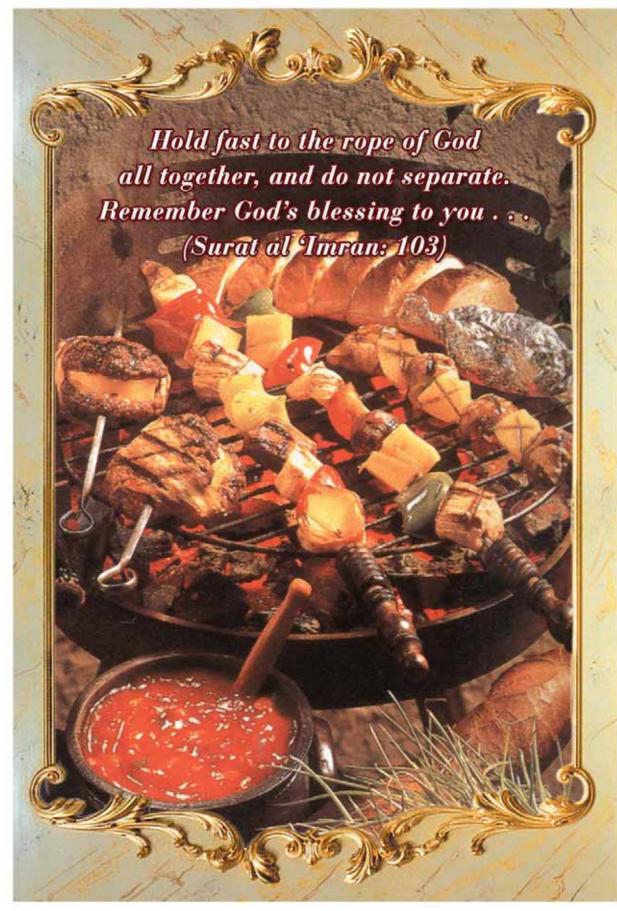


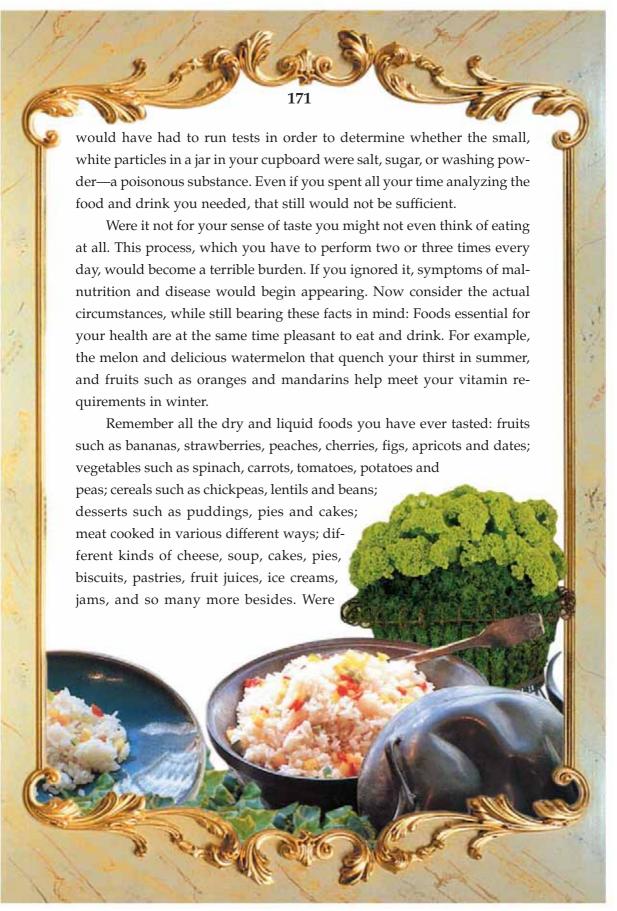


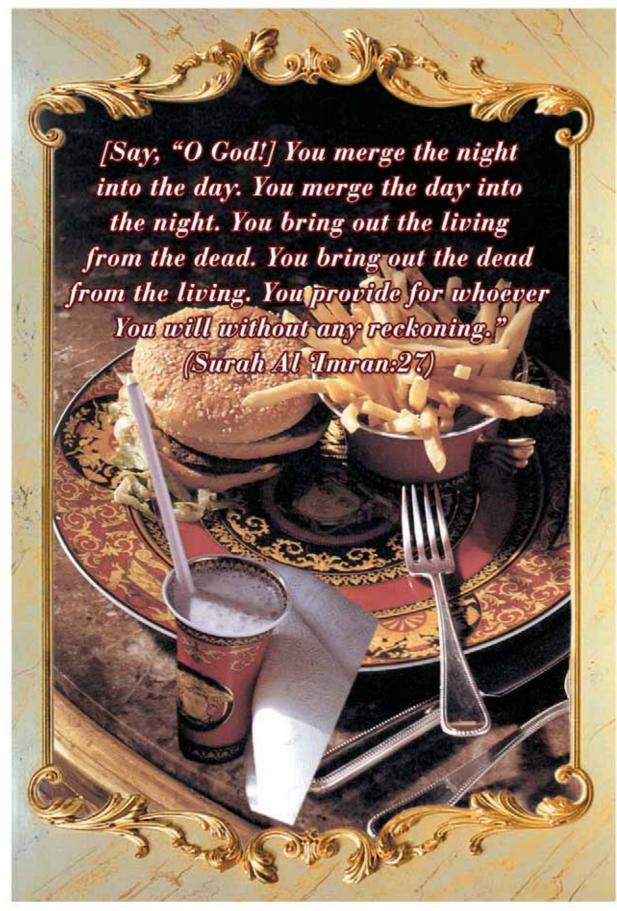


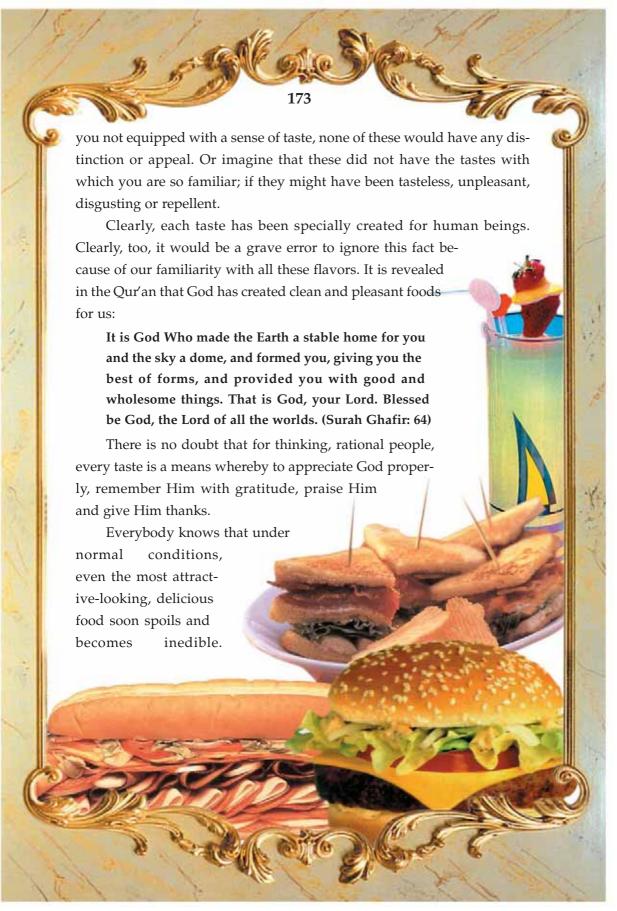


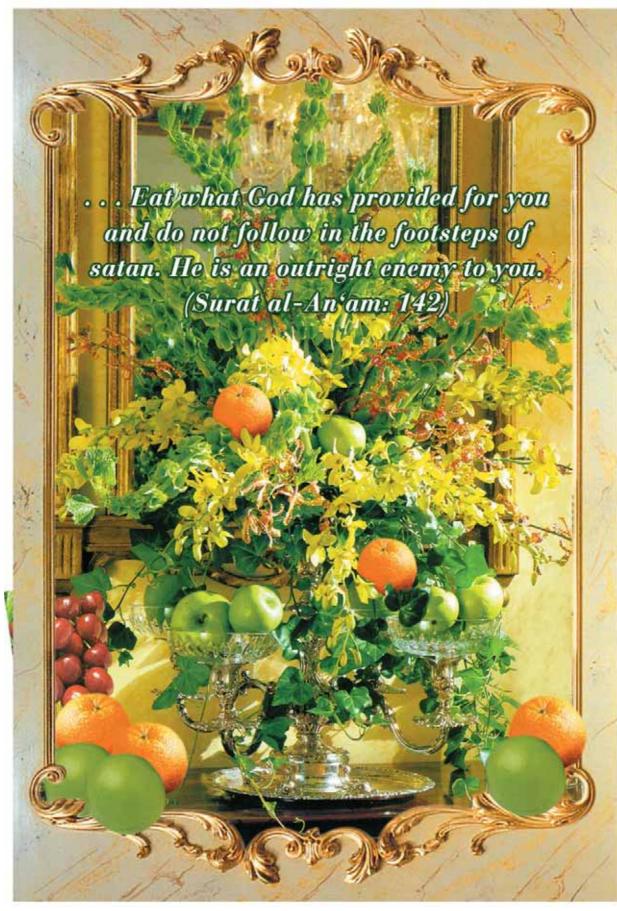


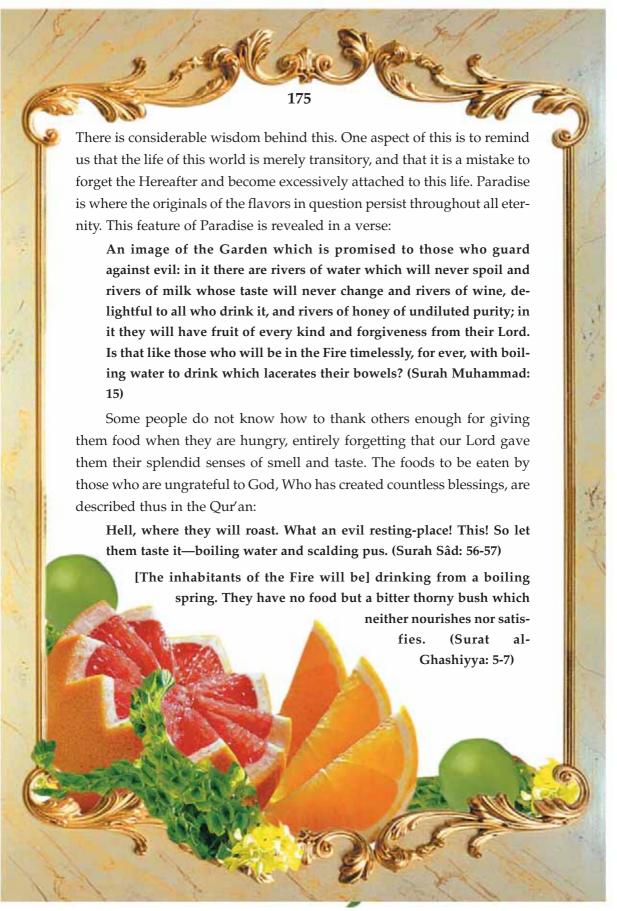


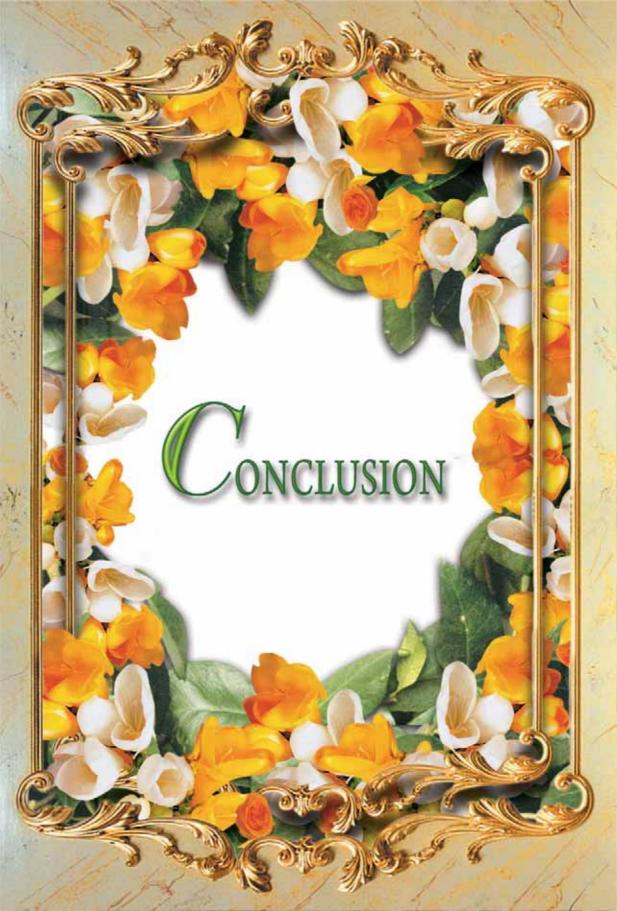


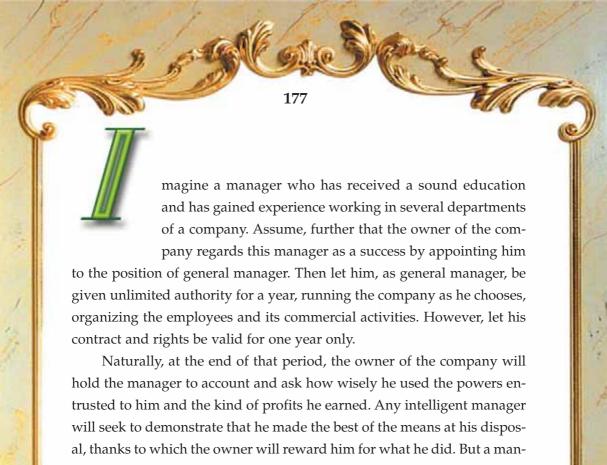










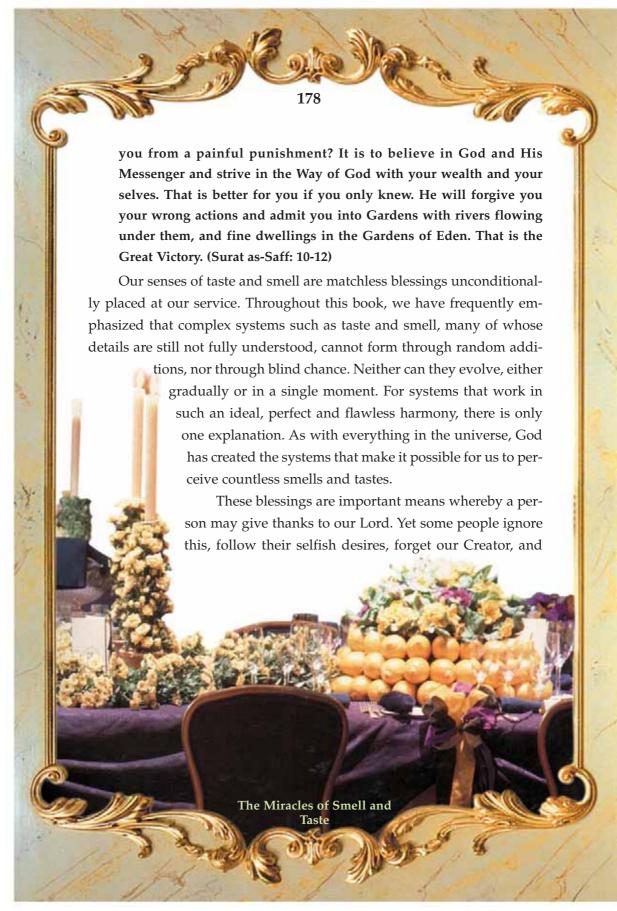


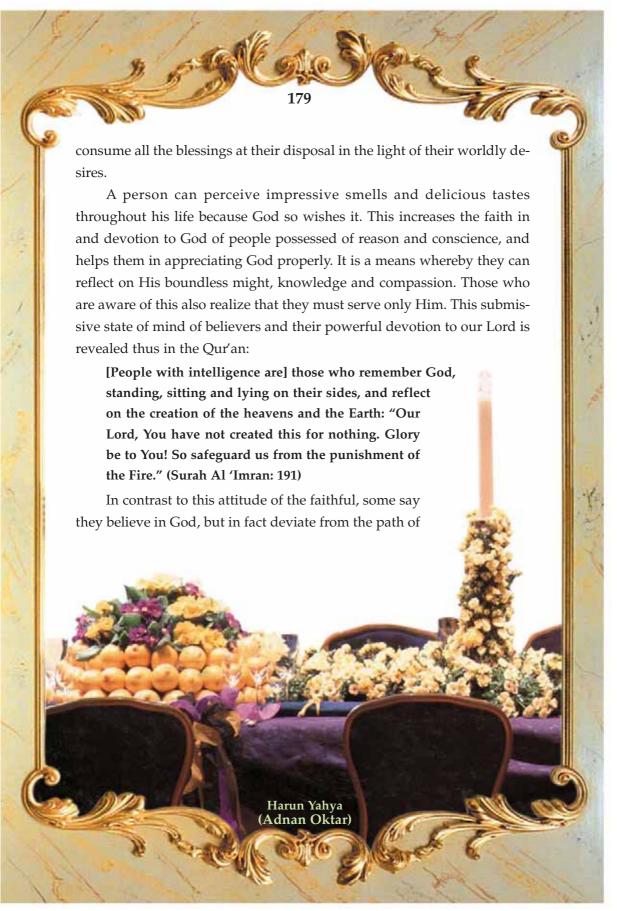
ager who wastes the funds at his disposal, spending without thought or calculation and consuming all the company's assets, will show an enormous lack of intellect. His year will go by very quickly, and he will then be punished for misusing his authority.

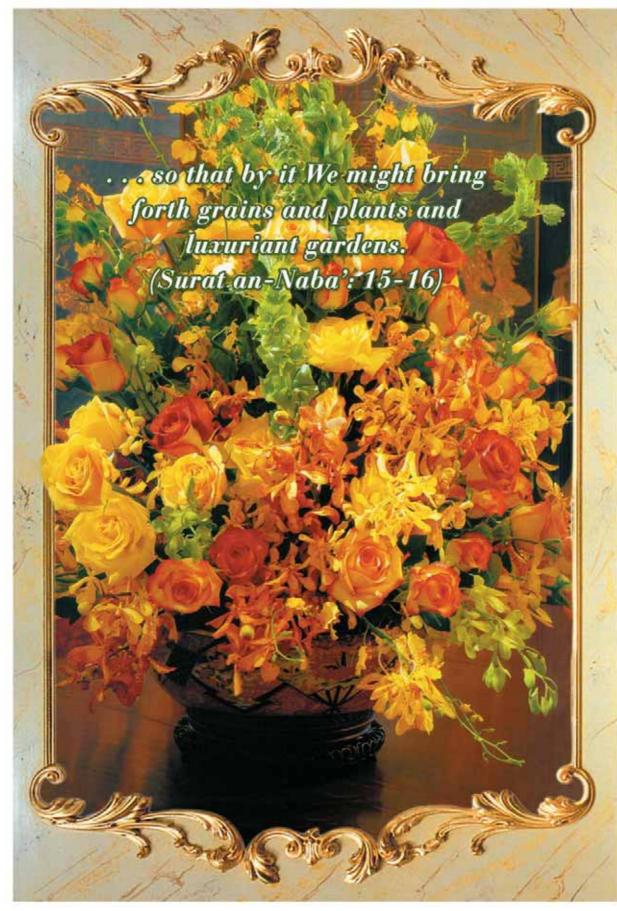
In fact, every human being's life bears a close resemblance to the situation of that general manager. Some of the elements a person is given to manage are his limbs, and matchlessly designed organs and cells. But these actually belong to God. A person has a duty to make the very best use of these means entrusted to him for the specific duration of his life. After death, he will give account to our Lord, Who created him and endowed him with blessings. The way to make the best use of this great blessing has been revealed in the Qur'an:

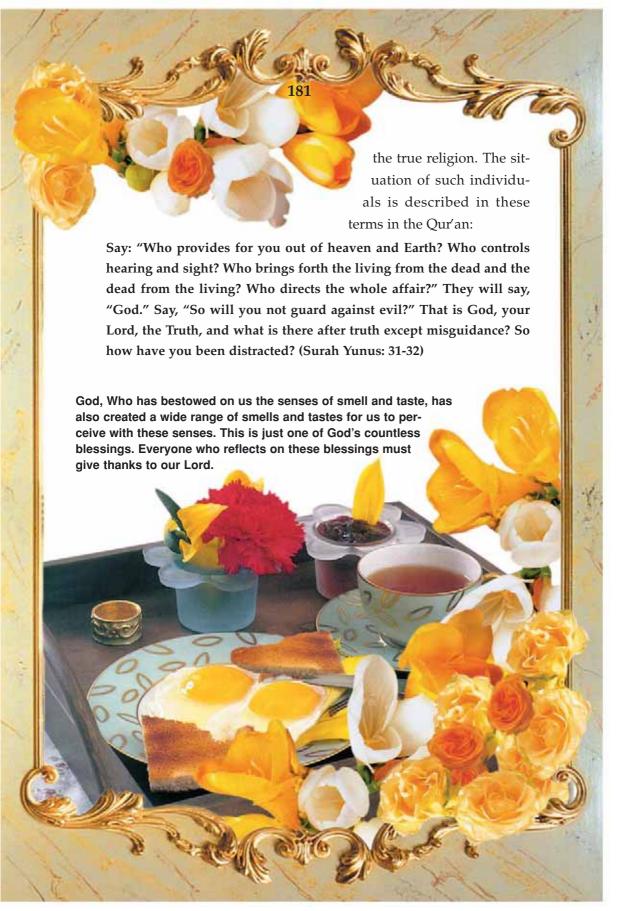
You who believe! Shall I direct you to a transaction which will save

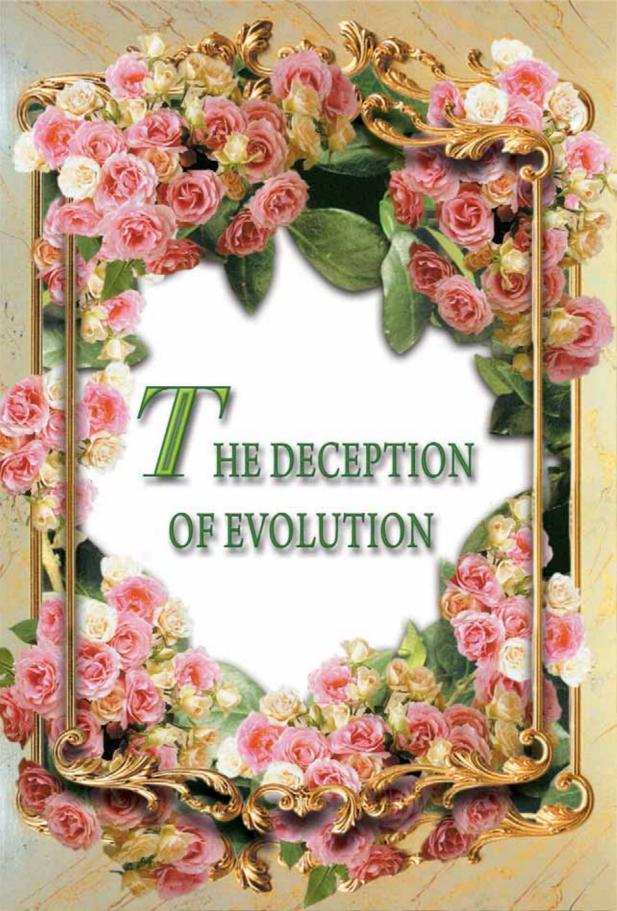


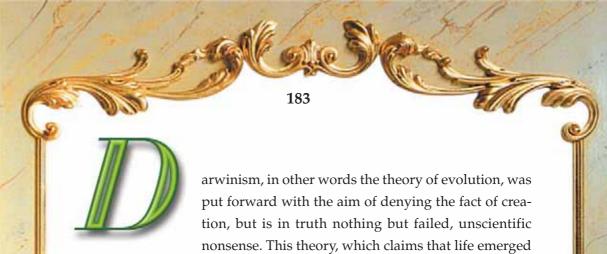












by chance from inanimate matter, was invalidated by the scientific evidence of miraculous order in the universe and in living things. In this way, science confirmed the fact that God created the universe and the living things in it. The propaganda carried out today in order to keep the theory of evolution alive is based solely on the distortion of the scientific facts, biased interpretation, and lies and falsehoods disguised as science.

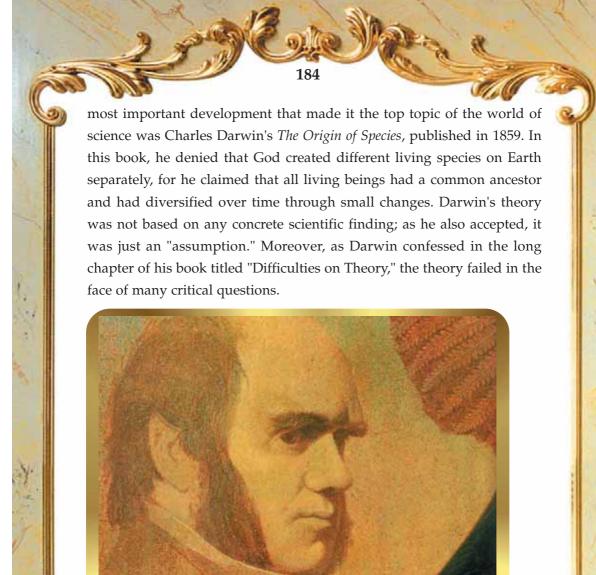
Yet this propaganda cannot conceal the truth. The fact that the theory of evolution is the greatest deception in the history of science has been expressed more and more in the scientific world over the last 20-30 years. Research carried out after the 1980s in particular has revealed that the claims of Darwinism are totally unfounded, something that has been stated by a large number of scientists. In the United States in particular, many scientists from such different fields as biology, biochemistry and paleontology recognize the invalidity of Darwinism and employ the fact of creation to account for the origin of life.

We have examined the collapse of the theory of evolution and the proofs of creation in great scientific detail in many of our works, and are still continuing to do so. Given the enormous importance of this subject, it will be of great benefit to summarize it here.

## The Scientific Collapse of Darwinism

Although this doctrine goes back as far as ancient Greece, the theory of evolution was advanced extensively in the nineteenth century. The

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Charles Darwin

Darwin invested all of his hopes in new scientific discoveries, which he expected to solve these difficulties. However, contrary to his expectations, scientific findings expanded the dimensions of these difficulties. The defeat of Darwinism in the face of science can be reviewed under three basic topics:

- 1) The theory cannot explain how life originated on Earth.
- 2) No scientific finding shows that the "evolutionary mechanisms" proposed by the theory have any evolutionary power at all.
- 3) The fossil record proves the exact opposite of what the theory suggests.

In this section, we will examine these three basic points in general outlines:

## The First Insurmountable Step: The Origin of Life

The theory of evolution posits that all living species evolved from a single living cell that emerged on the primitive Earth 3.8 billion years ago. How a single cell could generate millions of complex living species and, if such an evolution really occurred, why traces of it cannot be observed in the fossil record are some of the questions that the theory cannot answer. However, first and foremost, we need to ask: How did this "first cell" originate?

Since the theory of evolution denies creation and any kind of supernatural intervention, it maintains that the "first cell" originated coincidentally within the laws of nature, without any design, plan or arrangement. According to the theory, inanimate matter must have produced a living cell as a result of coincidences. Such a claim, however, is inconsistent with the most unassailable rules of biology.

### Life Comes From Life

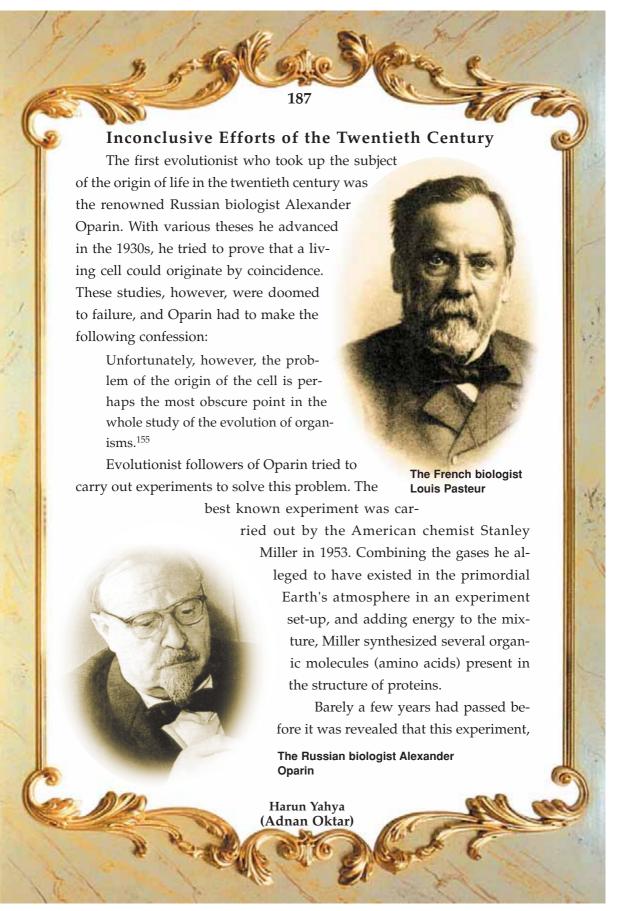
In his book, Darwin never referred to the origin of life. The primitive understanding of science in his time rested on the assumption that living beings had a very simple structure. Since medieval times, spontaneous generation, which asserts that non-living materials came together to form living organisms, had been widely accepted. It was commonly believed that insects came into being from food leftovers, and mice from wheat. Interesting experiments were conducted to prove this theory. Some wheat was placed on a dirty piece of cloth, and it was believed that mice would originate from it after a while.

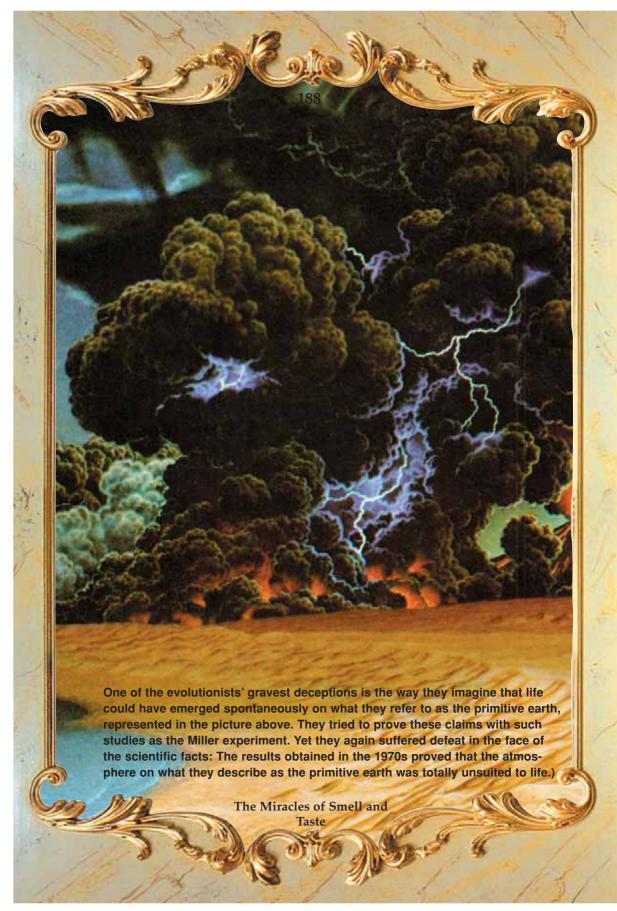
Similarly, maggots developing in rotting meat was assumed to be evidence of spontaneous generation. However, it was later understood that worms did not appear on meat spontaneously, but were carried there by flies in the form of larvae, invisible to the naked eye.

Even when Darwin wrote *The Origin of Species*, the belief that bacteria could come into existence from non-living matter was widely accepted in the world of science.

However, five years after the publication of Darwin's book, Louis Pasteur announced his results after long studies and experiments, that disproved spontaneous generation, a cornerstone of Darwin's theory. In his triumphal lecture at the Sorbonne in 1864, Pasteur said: "Never will the doctrine of spontaneous generation recover from the mortal blow struck by this simple experiment." <sup>154</sup>

For a long time, advocates of the theory of evolution resisted these findings. However, as the development of science unraveled the complex structure of the cell of a living being, the idea that life could come into being coincidentally faced an even greater impasse.







which was then presented as an important step in the name of evolution, was invalid, for the atmosphere used in the experiment was very different from the real Earth conditions. <sup>156</sup>

After a long silence, Miller confessed that the atmosphere medium he used was unrealistic.  $^{157}$ 

All the evolutionists' efforts throughout the twentieth century to explain the origin of life ended in failure. The geochemist Jeffrey Bada, from the San Diego Scripps Institute accepts this fact in an article published in *Earth* magazine in 1998:

Today as we leave the twentieth century, we still face the biggest unsolved problem that we had when we entered the twentieth century: How did life originate on Earth?<sup>158</sup>

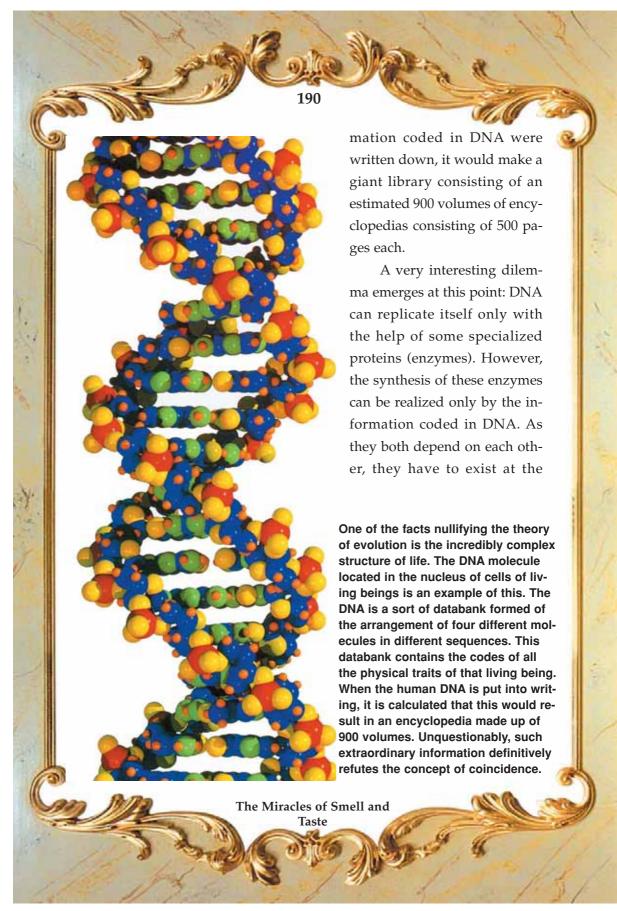
## The Complex Structure of Life

The primary reason why the theory of evolution ended up in such a great impasse regarding the origin of life is that even those living organisms deemed to be the simplest have incredibly complex structures. The cell of a living thing is more complex than all of our man-made technological products. Today, even in the most developed laboratories of the world, a living cell cannot be produced by bringing organic chemicals together.

The conditions required for the formation of a cell are too great in quantity to be explained away by coincidences. The probability of proteins, the building blocks of a cell, being synthesized coincidentally, is 1 in  $10^{950}$  for an average protein made up of 500 amino acids. In mathematics, a probability smaller than 1 over  $10^{50}$  is considered to be impossible in practical terms.

The DNA molecule, which is located in the nucleus of a cell and which stores genetic information, is an incredible databank. If the infor-

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same time for replication. This brings the scenario that life originated by itself to a deadlock. Prof. Leslie Orgel, an evolutionist of repute from the University of San Diego, California, confesses this fact in the September 1994 issue of the *Scientific American* magazine:

It is extremely improbable that proteins and nucleic acids, both of which are structurally complex, arose spontaneously in the same place at the same time. Yet it also seems impossible to have one without the other. And so, at first glance, one might have to conclude that life could never, in fact, have originated by chemical means. <sup>159</sup> No doubt, if it is impossible for life to have originated from natural causes, then it has to be accepted that life was "created" in a supernatural way. This fact explicitly invalidates the theory of evolution, whose main purpose is to deny creation.

## **Imaginary Mechanism of Evolution**

The second important point that negates Darwin's theory is that both concepts put forward by the theory as "evolutionary mechanisms" were understood to have, in reality, no evolutionary power.

Darwin based his evolution allegation entirely on the mechanism of "natural selection." The importance he placed on this mechanism was evident in the name of his book: The Origin of Species, *By Means of Natural Selection...* 

Natural selection holds that those living things that are stronger and more suited to the natural conditions of their habitats will survive in the struggle for life. For example, in a deer herd under the threat of attack by wild animals, those that can run faster will survive. Therefore, the deer herd will be comprised of faster and stronger individuals. However, unquestionably, this mechanism will not cause deer to evolve and transform themselves into another living species, for instance, horses.

Therefore, the mechanism of natural selection has no evolutionary

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power. Darwin was also aware of this fact and had to state this in his book *The Origin of Species:* 

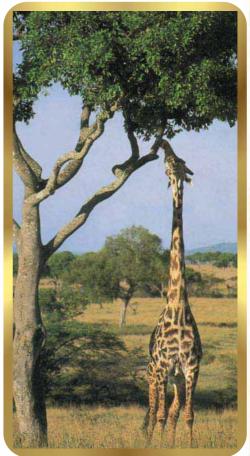
Natural selection can do nothing until favourable individual differences or variations occur.<sup>160</sup>

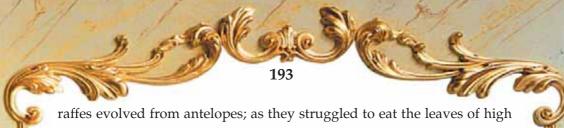
## Lamarck's Impact

So, how could these "favorable variations" occur? Darwin tried to answer this question from the stand-

point of the primitive understanding of science at that time. According to the French biologist Chevalier de Lamarck (1744-1829), who lived before Darwin, living creatures passed on the traits they acquired during their lifetime to the next generation. He asserted that these traits, which accumulated from one generation to another, caused new species to be formed. For instance, he claimed that gi-

Lamarck believed that giraffes evolved from such animals as antelopes. In his view, the necks of these grass-eating animals gradually grew longer, and they eventually turned into giraffes. The laws of inheritance discovered by Mendel in 1865 proved that it was impossible for properties acquired during life to be handed on to subsequent generations. Lamarck's giraffe fairy tale was thus consigned to the wastebin of history.





raffes evolved from antelopes; as they struggled to eat the leaves of high trees, their necks were extended from generation to generation.

Darwin also gave similar examples. In his book The Origin of Species, for instance, he said that some bears going into water to find food transformed themselves into whales over time.<sup>161</sup>

However, the laws of inheritance discovered by Gregor Mendel (1822-84) and verified by the science of genetics, which flourished in the twentieth century, utterly demolished the legend that acquired traits were passed on to subsequent generations. Thus, natural selection fell out of favor as an evolutionary mechanism.

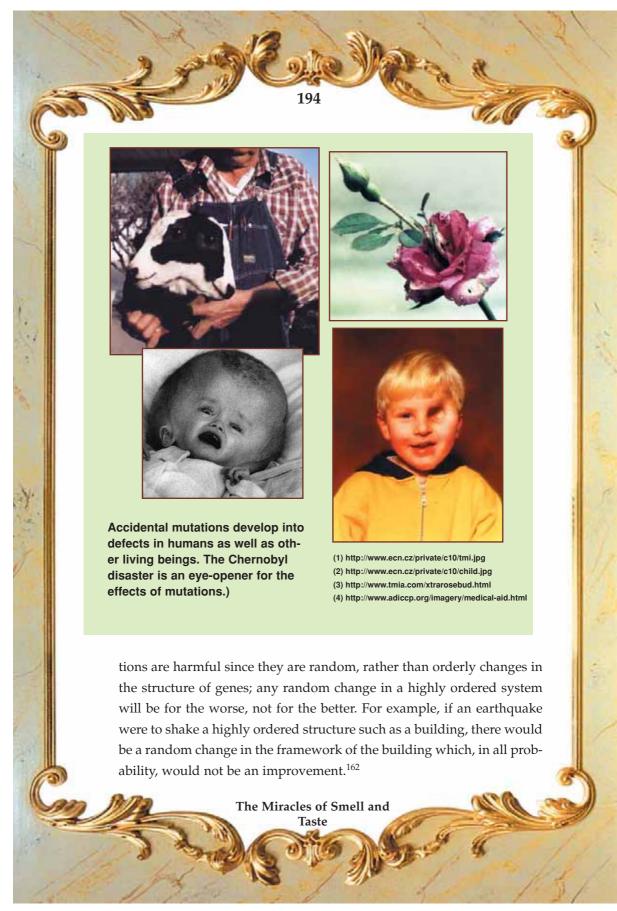
### Neo-Darwinism and Mutations

In order to find a solution, Darwinists advanced the "Modern Synthetic Theory," or as it is more commonly known, Neo-Darwinism, at the end of the 1930s. Neo-Darwinism added mutations, which are distortions formed in the genes of living beings due to such external factors as radiation or replication errors, as the "cause of favorable variations" in addition to natural mutation.

Today, the model that stands for evolution in the world is Neo-Darwinism. The theory maintains that millions of living beings formed as a result of a process whereby numerous complex organs of these organisms (e.g., ears, eyes, lungs, and wings) underwent "mutations," that is, genetic disorders. Yet, there is an outright scientific fact that totally undermines this theory: Mutations do not cause living beings to develop; on the contrary, they are always harmful.

The reason for this is very simple: DNA has a very complex structure, and random effects can only harm it. The American geneticist B. G. Ranganathan explains this as follows:

First, genuine mutations are very rare in nature. Secondly, most muta-



Not surprisingly, no mutation example, which is useful, that is, which is observed to develop the genetic code, has been observed so far. All mutations have proved to be harmful. It was understood that mutation, which is presented as an "evolutionary mechanism," is actually a genetic occurrence that harms living things, and leaves them disabled. (The most common effect of mutation on human beings is cancer.) Of course, a destructive mechanism cannot be an "evolutionary mechanism." Natural selection, on the other hand, "can do nothing by itself," as Darwin also accepted. This fact shows us that there is no "evolutionary mechanism" in nature. Since no evolutionary mechanism exists, no such any imaginary process called "evolution" could have taken place.

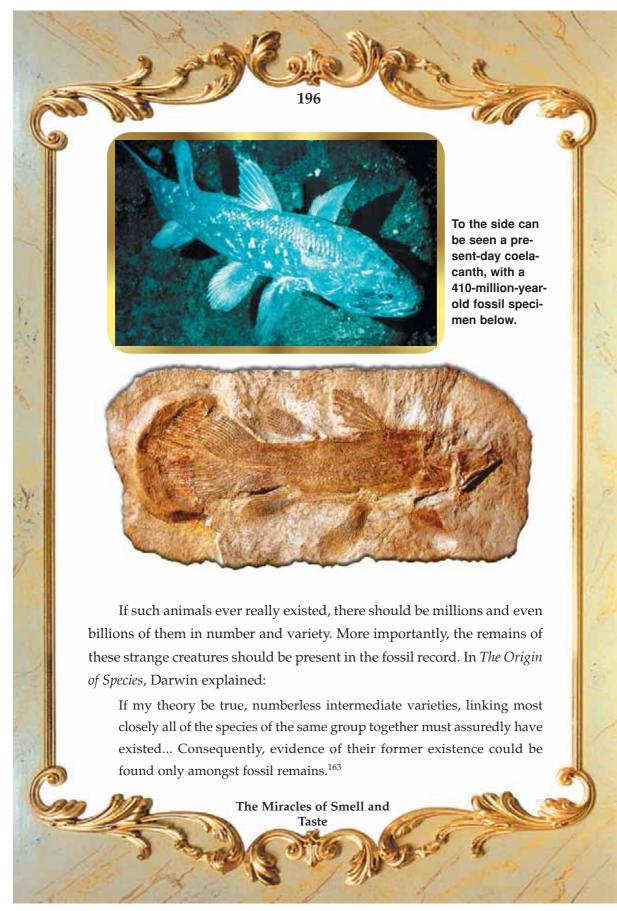
## The Fossil Record: No Sign of Intermediate Forms

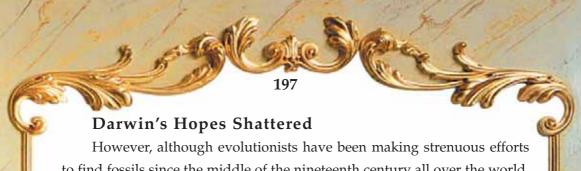
The clearest evidence that the scenario suggested by the theory of evolution did not take place is the fossil record.

According to this theory, every living species has sprung from a predecessor. A previously existing species turned into something else over time and all species have come into being in this way. In other words, this transformation proceeds gradually over millions of years.

Had this been the case, numerous intermediary species should have existed and lived within this long transformation period.

For instance, some half-fish/half-reptiles should have lived in the past which had acquired some reptilian traits in addition to the fish traits they already had. Or there should have existed some reptile-birds, which acquired some bird traits in addition to the reptilian traits they already had. Since these would be in a transitional phase, they should be disabled, defective, crippled living beings. Evolutionists refer to these imaginary creatures, which they believe to have lived in the past, as "transitional forms."





However, although evolutionists have been making strenuous efforts to find fossils since the middle of the nineteenth century all over the world, no transitional forms have yet been uncovered. All of the fossils, contrary to the evolutionists' expectations, show that life appeared on Earth all of a sudden and fully-formed.

One famous British paleontologist, Derek V. Ager, admits this fact, even though he is an evolutionist:

The point emerges that if we examine the fossil record in detail, whether at the level of orders or of species, we find – over and over again – not gradual evolution, but the sudden explosion of one group at the expense of another. $^{164}$ 

This means that in the fossil record, all living species suddenly emerge as fully formed, without any intermediate forms in between. This is just the opposite of Darwin's assumptions. Also, this is very strong evidence that all living things are created. The only explanation of a living species emerging suddenly and complete in every detail without any evolutionary ancestor is that it was created. This fact is admitted also by the widely known evolutionist biologist Douglas Futuyma:

Creation and evolution, between them, exhaust the possible explanations for the origin of living things. Organisms either appeared on the earth fully developed or they did not. If they did not, they must have developed from pre-existing species by some process of modification. If they did appear in a fully developed state, they must indeed have been created by some omnipotent intelligence. <sup>165</sup>

Fossils show that living beings emerged fully developed and in a perfect state on the Earth. That means that "the origin of species," contrary to Darwin's supposition, is not evolution, but creation.

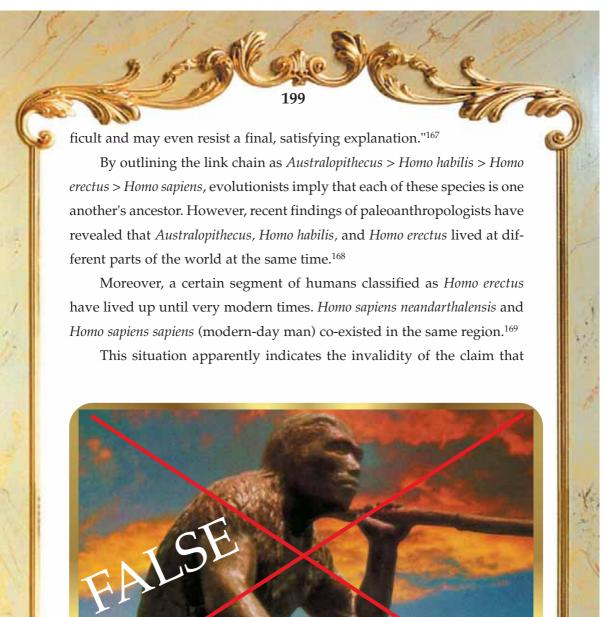
### The Tale of Human Evolution

The subject most often brought up by advocates of the theory of evolution is the subject of the origin of man. The Darwinist claim holds that modern man evolved from ape-like creatures. During this alleged evolutionary process, which is supposed to have started 4-5 million years ago, some "transitional forms" between modern man and his ancestors are supposed to have existed. According to this completely imaginary scenario, four basic "categories" are listed:

- 1. Australopithecus
- 2. Homo habilis
- 3. Homo erectus
- 4. Homo sapiens

Evolutionists call man's so-called first ape-like ancestors Australopithecus, which means "South African ape." These living beings are actually nothing but an old ape species that has become extinct. Extensive research done on various Australopithecus specimens by two world famous anatomists from England and the USA, namely, Lord Solly Zuckerman and Prof. Charles Oxnard, shows that these apes belonged to an ordinary ape species that became extinct and bore no resemblance to humans. 166

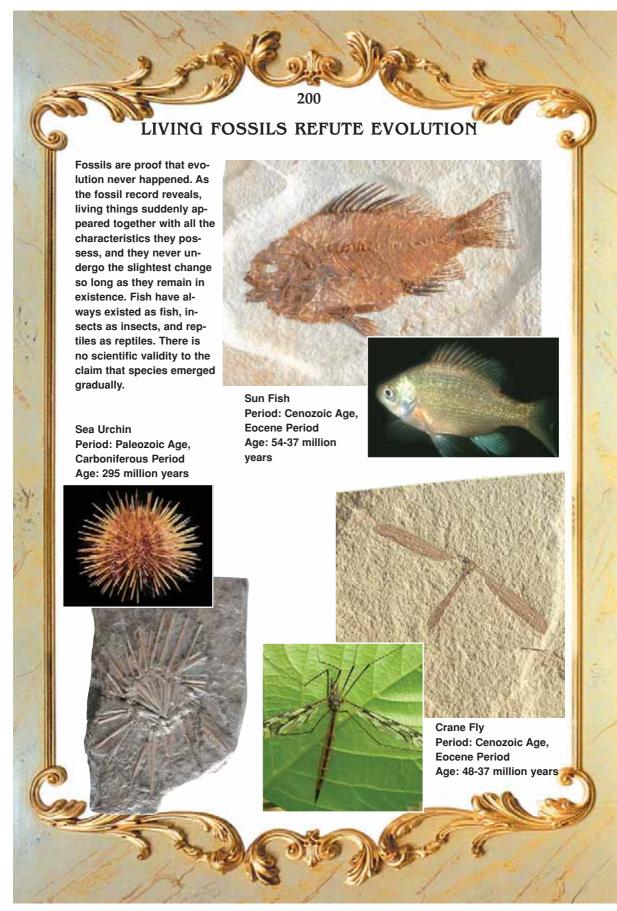
Evolutionists classify the next stage of human evolution as "homo," that is "man." According to their claim, the living beings in the Homo series are more developed than *Australopithecus*. Evolutionists devise a fanciful evolution scheme by arranging different fossils of these creatures in a particular order. This scheme is imaginary because it has never been proved that there is an evolutionary relation between these different classes. Ernst Mayr, one of the twentieth century's most important evolutionists, contends in his book *One Long Argument* that "particularly historical [puzzles] such as the origin of life or of Homo sapiens, are extremely dif-

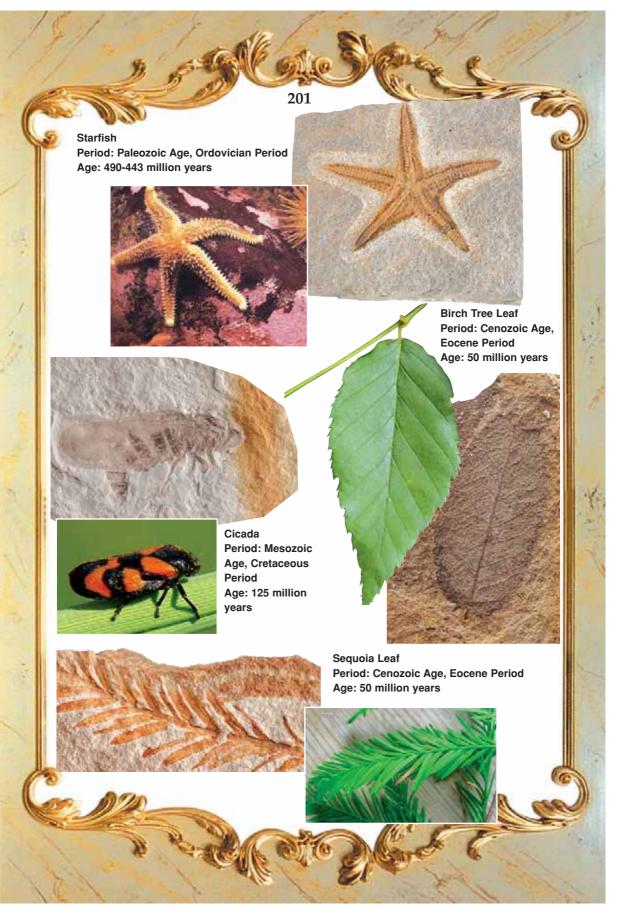


Evolutionist newspapers and magazines often print pictures of the so-called primitive man. The only available source for these pictures is the imagination of the artist. Evolutionary theory has been so dented by scientific data that to-

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day we see less and less of it in the serious press.







they are ancestors of one another. Stephen Jay Gould explained this deadlock of the theory of evolution, although he was himself one of the leading advocates of evolution in the twentieth century:

What has become of our ladder if there are three coexisting lineages of hominids (A. africanus, the robust australopithecines, and H. habilis), none clearly derived from another? Moreover, none of the three display any evolutionary trends during their tenure on earth.<sup>170</sup>

Put briefly, the scenario of human evolution, which is "upheld" with the help of various drawings of some "half ape, half human" creatures appearing in the media and course books, that is, frankly, by means of propaganda, is nothing but a tale with no scientific foundation.

Lord Solly Zuckerman, one of the most famous and respected scientists in the U.K., who carried out research on this subject for years and studied *Australopithecus* fossils for 15 years, finally concluded, despite being an evolutionist himself, that there is, in fact, no such family tree branching out from ape-like creatures to man.

Zuckerman also made an interesting "spectrum of science" ranging from those he considered scientific to those he considered unscientific. According to Zuckerman's spectrum, the most "scientific" – that is, depending on concrete data – fields of science are chemistry and physics. After them come the biological sciences and then the social sciences. At the far end of the spectrum, which is the part considered to be most "unscientific," are "extra-sensory perception" – concepts such as telepathy and sixth sense – and finally "human evolution." Zuckerman explains his reasoning:

We then move right off the register of objective truth into those fields of presumed biological science, like extrasensory perception or the interpretation of man's fossil history, where to the faithful [evolutionist] anything is possible – and where the ardent believer [in evolution] is some-



The tale of human evolution boils down to nothing but the prejudiced interpretations of some fossils unearthed by certain people, who blindly adhere to their theory.

#### Darwinian Formula!

Besides all the technical evidence we have dealt with so far, let us now for once, examine what kind of a superstition the evolutionists have with an example so simple as to be understood even by children:

The theory of evolution asserts that life is formed by chance. According to this claim, lifeless and unconscious atoms came together to form the cell and then they somehow formed other living things, including man. Let us think about that. When we bring together the elements that are the building-blocks of life such as carbon, phosphorus, nitrogen and potassium, only a heap is formed. No matter what treatments it undergoes, this atomic heap cannot form even a single living being. If you like, let us formulate an "experiment" on this subject and let us examine on the behalf of evolutionists what they really claim without pronouncing loudly under the name "Darwinian formula":

Let evolutionists put plenty of materials present in the composition of living things such as phosphorus, nitrogen, carbon, oxygen, iron, and magnesium into big barrels. Moreover, let them add in these barrels any material that does not exist under normal conditions, but they think as necessary. Let them add in this mixture as many amino acids and as many proteins – a single one of which has a formation probability of  $10^{-950}$  – as they like. Let them expose these mixtures to as much heat and moisture as they like. Let them stir these with whatever technologically developed device they like. Let them put the foremost scientists beside these barrels. Let these experts wait in turn beside these barrels for billions, and even

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trillions of years. Let them be free to use all kinds of conditions they believe to be necessary for a human's formation. No matter what they do, they cannot produce from these barrels a human, say a professor that examines his cell structure under the electron microscope. They cannot produce giraffes, lions, bees, canaries, horses, dolphins, roses, orchids, lilies, carnations, bananas, oranges, apples, dates, tomatoes, melons, watermelons, figs, olives, grapes, peaches, peafowls, pheasants, multicoloured butterflies, or millions of other living beings such as these. Indeed, they could not obtain even a single cell of any one of them.

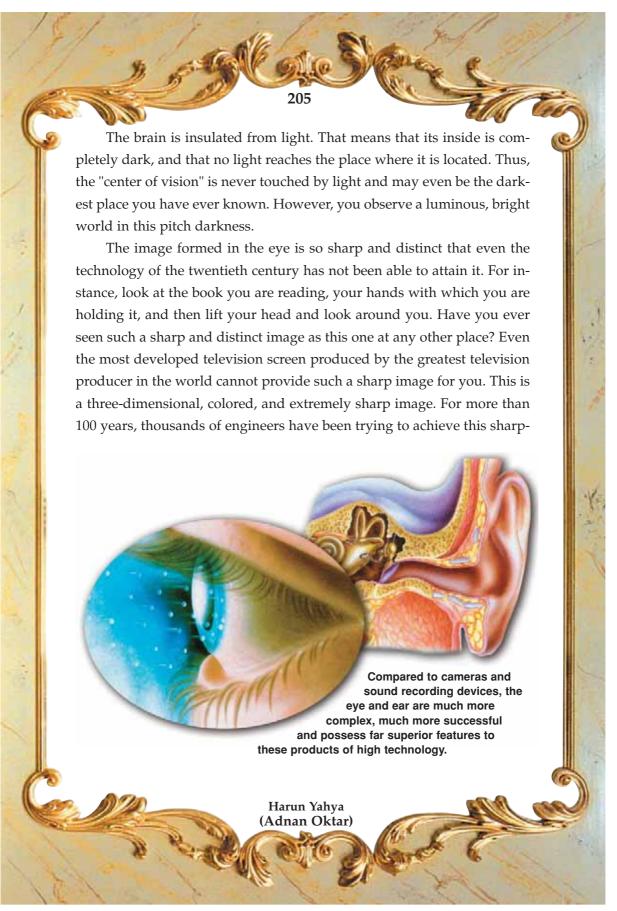
Briefly, unconscious atoms cannot form the cell by coming together. They cannot take a new decision and divide this cell into two, then take other decisions and create the professors who first invent the electron microscope and then examine their own cell structure under that microscope. Matter is an unconscious, lifeless heap, and it comes to life with God's superior creation.

The theory of evolution, which claims the opposite, is a total fallacy completely contrary to reason. Thinking even a little bit on the claims of evolutionists discloses this reality, just as in the above example.

### Technology in the Eye and the Ear

Another subject that remains unanswered by evolutionary theory is the excellent quality of perception in the eye and the ear.

Before passing on to the subject of the eye, let us briefly answer the question of how we see. Light rays coming from an object fall oppositely on the eye's retina. Here, these light rays are transmitted into electric signals by cells and reach a tiny spot at the back of the brain, the "center of vision." These electric signals are perceived in this center as an image after a series of processes. With this technical background, let us do some thinking.



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premises were established, much research
gas have been made for this purpose. Again

ness. Factories, huge premises were established, much research has been done, plans and designs have been made for this purpose. Again, look at a TV screen and the book you hold in your hands. You will see that there is a big difference in sharpness and distinction. Moreover, the TV screen shows you a two-dimensional image, whereas with your eyes, you watch a three-dimensional perspective with depth.

For many years, tens of thousands of engineers have tried to make a three-dimensional TV and achieve the vision quality of the eye. Yes, they have made a three-dimensional television system, but it is not possible to watch it without putting on special 3-D glasses; moreover, it is only an artificial three-dimension. The background is more blurred, the foreground appears like a paper setting. Never has it been possible to produce a sharp and distinct vision like that of the eye. In both the camera and the television, there is a loss of image quality.

Evolutionists claim that the mechanism producing this sharp and distinct image has been formed by chance. Now, if somebody told you that the television in your room was formed as a result of chance, that all of its atoms just happened to come together and make up this device that produces an image, what would you think? How can atoms do what thousands of people cannot?

If a device producing a more primitive image than the eye could not have been formed by chance, then it is very evident that the eye and the image seen by the eye could not have been formed by chance. The same situation applies to the ear. The outer ear picks up the available sounds by the auricle and directs them to the middle ear, the middle ear transmits the sound vibrations by intensifying them, and the inner ear sends these vibrations to the brain by translating them into electric signals. Just as with the eye, the act of hearing finalizes in the center of hearing in the brain.

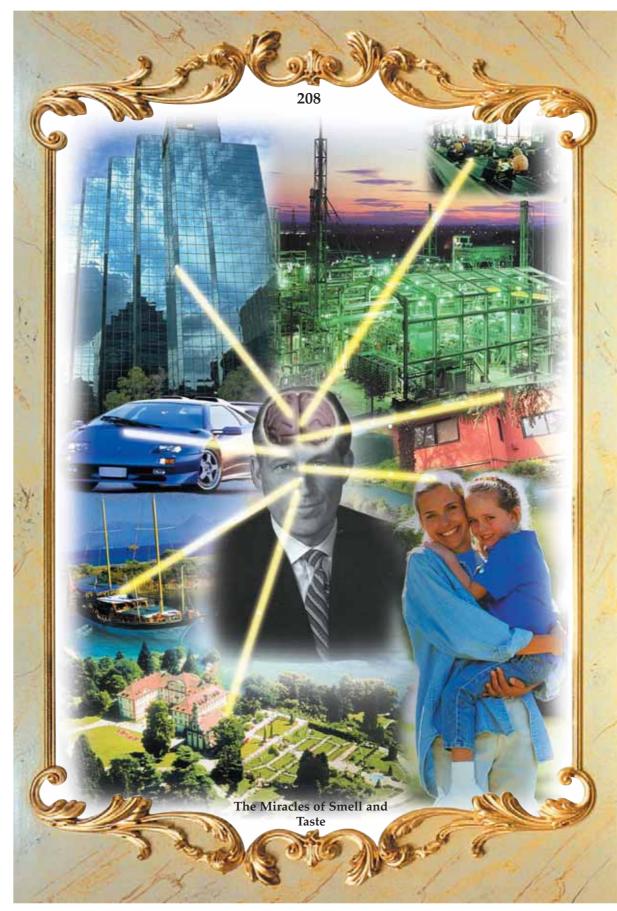
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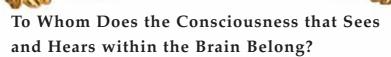
situation in the eye is also true for the ear. That is, the brain is in-

The situation in the eye is also true for the ear. That is, the brain is insulated from sound just as it is from light. It does not let any sound in. Therefore, no matter how noisy is the outside, the inside of the brain is completely silent. Nevertheless, the sharpest sounds are perceived in the brain. In your completely silent brain, you listen to symphonies, and hear all of the noises in a crowded place. However, were the sound level in your brain measured by a precise device at that moment, complete silence would be found to be prevailing there.

As is the case with imagery, decades of effort have been spent in trying to generate and reproduce sound that is faithful to the original. The results of these efforts are sound recorders, high-fidelity systems, and systems for sensing sound. Despite all of this technology and the thousands of engineers and experts who have been working on this endeavor, no sound has yet been obtained that has the same sharpness and clarity as the sound perceived by the ear. Think of the highest-quality hi-fi systems produced by the largest company in the music industry. Even in these devices, when sound is recorded some of it is lost; or when you turn on a hi-fi you always hear a hissing sound before the music starts. However, the sounds that are the products of the human body's technology are extremely sharp and clear. A human ear never perceives a sound accompanied by a hissing sound or with atmospherics as does a hi-fi; rather, it perceives sound exactly as it is, sharp and clear. This is the way it has been since the creation of man.

So far, no man-made visual or recording apparatus has been as sensitive and successful in perceiving sensory data as are the eye and the ear. However, as far as seeing and hearing are concerned, a far greater truth lies beyond all this.





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Who watches an alluring world in the brain, listens to symphonies and the twittering of birds, and smells the rose?

The stimulations coming from a person's eyes, ears, and nose travel to the brain as electro-chemical nerve impulses. In biology, physiology, and biochemistry books, you can find many details about how this image forms in the brain. However, you will never come across the most important fact: Who perceives these electro-chemical nerve impulses as images, sounds, odors, and sensory events in the brain? There is a consciousness in the brain that perceives all this without feeling any need for an eye, an ear, and a nose. To whom does this consciousness belong? Of course it does not belong to the nerves, the fat layer, and neurons comprising the brain. This is why Darwinist-materialists, who believe that everything is comprised of matter, cannot answer these questions.

For this consciousness is the spirit created by God, which needs neither the eye to watch the images nor the ear to hear the sounds. Furthermore, it does not need the brain to think.

Everyone who reads this explicit and scientific fact should ponder on Almighty God, and fear and seek refuge in Him, for He squeezes the entire universe in a pitch-dark place of a few cubic centimeters in a three-dimensional, colored, shadowy, and luminous form.

### A Materialist Faith

The information we have presented so far shows us that the theory of evolution is incompatible with scientific findings. The theory's claim regarding the origin of life is inconsistent with science, the evolutionary mechanisms it proposes have no evolutionary power, and fossils demonstrate that the required intermediate forms have never existed. So, it cer-

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tainly follows that the theory of evolution should be pushed aside as an unscientific idea. This is how many ideas, such as the Earth-centered universe model, have been taken out of the agenda of science throughout history.

However, the theory of evolution is kept on the agenda of science. Some people even try to represent criticisms directed against it as an "attack on science." Why?

The reason is that this theory is an indispensable dogmatic belief for some circles. These circles are blindly devoted to materialist philosophy and adopt Darwinism because it is the only materialist explanation that can be put forward to explain the workings of nature.

Interestingly enough, they also confess this fact from time to time. A well-known geneticist and an outspoken evolutionist, Richard C. Lewontin from Harvard University, confesses that he is "first and foremost a materialist and then a scientist":

It is not that the methods and institutions of science somehow compel us accept a material explanation of the phenomenal world, but, on the contrary, that we are forced by our a priori adherence to material causes to create an apparatus of investigation and a set of concepts that produce material explanations, no matter how counter-intuitive, no matter how mystifying to the uninitiated. Moreover, that materialism is absolute, so we cannot allow a Divine [intervention]...<sup>172</sup>

These are explicit statements that Darwinism is a dogma kept alive just for the sake of adherence to materialism. This dogma maintains that there is no being save matter. Therefore, it argues that inanimate, unconscious matter created life. It insists that millions of different living species (e.g., birds, fish, giraffes, tigers, insects, trees, flowers, whales, and human beings) originated as a result of the interactions between matter such as pouring rain, lightning flashes, and so on, out of inanimate matter. This is a precept contrary both to reason and science. Yet Darwinists continue to

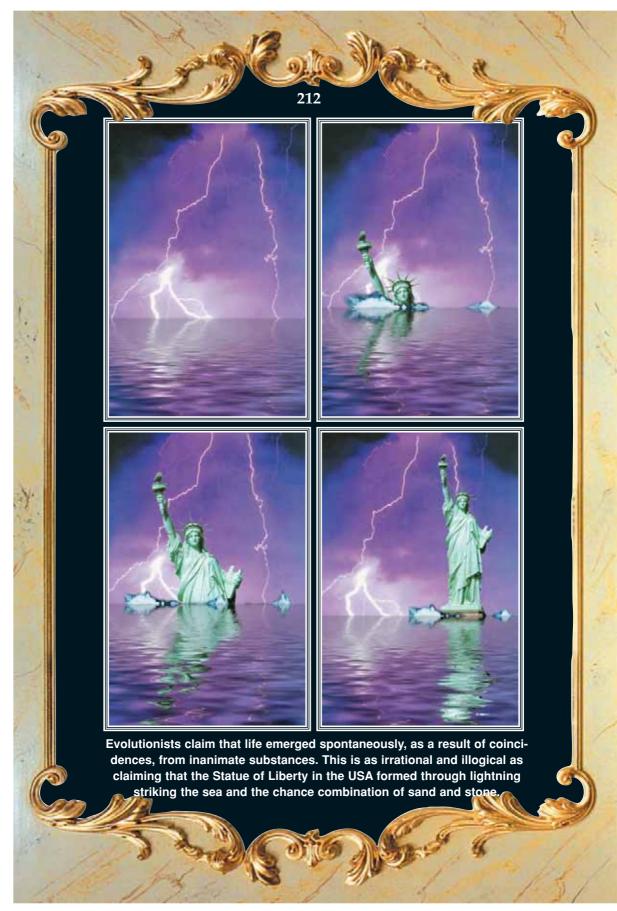


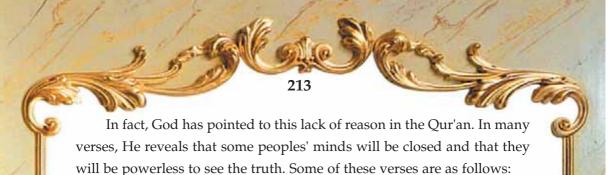
Anyone who does not look at the origin of living beings with a materialist prejudice will see this evident truth: All living beings are works of a Creator, Who is All-Powerful, All-Wise, and All-Knowing. This Creator is God, Who created the whole universe from non-existence, designed it in the most perfect form, and fashioned all living beings.

# The Theory of Evolution: The Most Potent Spell in the World

Anyone free of prejudice and the influence of any particular ideology, who uses only his or her reason and logic, will clearly understand that belief in the theory of evolution, which brings to mind the superstitions of societies with no knowledge of science or civilization, is quite impossible.

As explained above, those who believe in the theory of evolution think that a few atoms and molecules thrown into a huge vat could produce thinking, reasoning professors and university students; such scientists as Einstein and Galileo; such artists as Humphrey Bogart, Frank Sinatra and Luciano Pavarotti; as well as antelopes, lemon trees, and carnations. Moreover, as the scientists and professors who believe in this nonsense are educated people, it is quite justifiable to speak of this theory as "the most potent spell in history." Never before has any other belief or idea so taken away peoples' powers of reason, refused to allow them to think intelligently and logically, and hidden the truth from them as if they had been blindfolded. This is an even worse and unbelievable blindness than the totem worship in some parts of Africa, the people of Saba worshipping the Sun, the tribe of Abraham (pbuh) worshipping idols they had made with their own hands, or the people of Moses (pbuh) worshipping the Golden Calf.





As for those who do not believe, it makes no difference to them whether you warn them or do not warn them, they will not believe. God has sealed up their hearts and hearing and over their eyes is a blindfold. They will have a terrible punishment. (Surat al-Baqara: 6-7)

... They have hearts with which they do not understand. They have eyes with which they do not see. They have ears with which they do not hear. Such people are like cattle. No, they are even further astray! They are the unaware. (Surat al-A'raf: 179)

Even if We opened up to them a door into heaven, and they spent the day ascending through it, they would only say: "Our eyesight is befuddled! Or rather we have been put under a spell!" (Surat al-Hijr: 14-15)

Words cannot express just how astonishing it is that this spell should hold such a wide community in thrall, keep people from the truth, and not be broken for 150 years. It is understandable that one or a few people might believe in impossible scenarios and claims full of stupidity and illogicality. However, "magic" is the only possible explanation for people from all over the world believing that unconscious and lifeless atoms suddenly decided to come together and form a universe that functions with a flawless system of organization, discipline, reason, and consciousness; a planet named Earth with all of its features so perfectly suited to life; and living things full of countless complex systems.

In fact, the Qur'an relates the incident of Moses (pbuh) and Pharaoh to show that some people who support atheistic philosophies actually influence others by magic. When Pharaoh was told about the true religion, he told Prophet Moses (pbuh) to meet with his own magicians. When



Moses (pbuh) did so, he told them to demonstrate their abilities first. The verses continue:

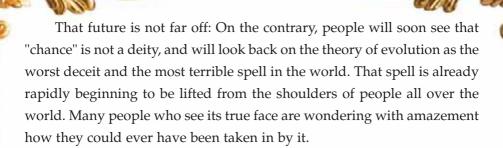
He said: "You throw." And when they threw, they cast a spell on the people's eyes and caused them to feel great fear of them. They produced an extremely powerful magic. (Surat al-A'raf: 116)

As we have seen, Pharaoh's magicians were able to deceive everyone, apart from Moses (pbuh) and those who believed in him. However, his evidence broke the spell, or "swallowed up what they had forged," as the verse puts it:

We revealed to Moses: "Throw down your staff." And it immediately swallowed up what they had forged. So the Truth took place and what they did was shown to be false. (Surat al-A'raf: 117-118)

As we can see, when people realized that a spell had been cast upon them and that what they saw was just an illusion, Pharaoh's magicians lost all credibility. In the present day too, unless those who, under the influence of a similar spell, believe in these ridiculous claims under their scientific disguise and spend their lives defending them, abandon their superstitious beliefs, they also will be humiliated when the full truth emerges and the spell is broken. In fact, world-renowned British writer and philosopher Malcolm Muggeridge, who was an atheist defending evolution for some 60 years, but who subsequently realized the truth, reveals the position in which the theory of evolution would find itself in the near future in these terms:

I myself am convinced that the theory of evolution, especially the extent to which it's been applied, will be one of the great jokes in the history books in the future. Posterity will marvel that so very flimsy and dubious an hypothesis could be accepted with the incredible credulity that it has. 173



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They said, "Glory be to You!

We have no knowledge except
what You have taught us. You are
the All-Knowing, the All-Wise."

(Surat al-Baqara, 32)



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