

A LONG, COOL LOOK AT ALIEN INTELLIGENCES

Part II—The Forms of Intelligent Organisms

by C. Maxwell Cade

ALTHOUGH many animal-lovers will claim a high order of "intelligence" for their pets, the only really intelligent organism at present known to man is man himself. By "intelligence" we have not merely to understand the dictionary definition of "intellect, understanding", which does not get one much further, but specifically we mean the capacity for abstract thought. Within the compass of terrestrial scientific knowledge we can conceive the possibility of three groups of intelligent organisms, excluding man:— (i), Humanoid or non-humanoid biological organisms; (ii), Mechanical intelligences (self-programming computers); (iii), Stable intelligent plasmoids. Despite the claims of Spiritualists, psychic phenomena provide no evidence for the existence of "dis-embodied" intelligences: these phenomena (some of which will be discussed in Part IV of this article) can all be better explained by alternative hypotheses based upon the powers of the living human mind. We will now consider in some detail the three classes of possible intelligent organism mentioned above.

Biological organisms

The subject of Life in the Universe proved very popular at the 1964 meeting of the British Association, where the general opinion seemed to be that Bug-Eyed Monsters (B.E.Ms.) are more probable than humanoids as extraterrestrial life-forms. Certainly, if one is considering planets which differ greatly from Earth in their temperature, mass or chemistry, then B.E.Ms. are far more probable as indigenous life-forms than humanoids, since the principal characteristic of successful life-forms is their adaptation to their environment. Different environments means different life-forms, and this implies Monsters, since this is the term which we habitually use to describe creatures of unfamiliar form.

If we make the assumption that, within limits, the physical properties of materials are much the same wherever they occur, we can proceed to draw inferences concerning the way in which the size and shape of biological organisms will vary with the mass of the planet on which they live. For example, the limit to the height of a living creature is reached at the point where it can no longer support its own weight, so that, in general, the height of living organisms must vary inversely as the gravitational field of their planet. Giant planets might be expected to be inhabited by powerfully built, squat creatures, perhaps something like a multi-legged tortoise, whilst planets of small mass might be occupied by tall flimsy creatures supported on very slender limbs.

These physical characteristics of biological orga-

nisms bear a direct relationship to the probability of their being intelligent, since intelligence is a function of the number of inter-connections between the neurons of the brain, and there is therefore a minimum number of neurons. Neurons themselves are quite complex structures incorporating numerous organelles, and therefore have a certain minimum size. The brain of a man has somewhere around 10,000 million neurons, and any brain of human intelligence cannot differ very greatly from a human brain in complexity and size. The delicate mass of nervous tissue requires a liberal blood supply to provide nutrients and remove waste products; this in turn implies that the organism has some kind of digestive system, and lungs or gills for respiratory exchange. All of this means that an organism of human intelligence cannot be very much smaller than a man. On the other hand, the finite rate of propagation of nervous impulses, and the square/cube law, between them set an absolute upper limit to size. The finite velocity of nervous impulses means that a brain must be compact, and its connections to sense-organs and limbs reasonably short, if the organism as a whole is to be efficient. The square/cube law means that all processes which depend upon surface area in an organism (such as respiratory exchange, and the absorption of nutrient substances from the gut) are proportional to the square of the size of the organism, whilst processes depending upon volume (such as the total metabolism, or energy-exchange) are proportional to the cube of the size.

Apart from considerations of mere size, there are other requirements for an intelligent organism. It needs sense organs and motor organs, so that it can detect and react upon its environment. Man has numerous senses, in addition to the five obvious ones. There are senses which relate to movement and position and acceleration, also pain, pressure and temperature. Other terrestrial organisms possess a wide range of senses unknown to man. The elasmobranchs, which include sharks, rays and dogfish, have organs known as Lorenzini's ampullae, which are voltage detectors. Elasmobranchs use this sense to detect their prey: the gill movements of the plaice, for example, generate voltage gradients of the order of some thousandths of a volt per centimetre, whilst the ampullae of Lorenzini can detect fields of as little as one hundred-millionth of a volt per centimetre. A shark can thus detect a plaice buried in the sand by the tiny tell-tale electrical signals given off by its muscles. Mud-snails and planarian worms are but two of many terrestrial

organisms which have a built-in magnetic compass ; bees and king crabs are two out of many more which can detect the plane of polarization of polarized light, and use this as a guide to direction. The pit-vipers (including the rattlesnake) possess very sensitive infra-red detectors with which they can sense their warm-blooded prey in complete darkness. The eyes of the common snail are very sensitive to X-rays, while bees and some butterflies cannot see red but can see well into the ultraviolet part of the spectrum.

In addition to these senses, possessed by various creatures but not by man, there are undoubtedly many others which we have not yet discovered, and the senses which might be possessed by extra-terrestrial creatures are quite un-guessable.

Limbs, whilst a great convenience for locomotion, are also a requirement for intelligence. The story of man's early struggle towards intelligence was the story of his struggle to develop hands, and then to free them from the task of locomotion so that they could more effectively make use of tools. The number of limbs employed by the higher forms of terrestrial life has stayed at four for some millions of years, although the insects (also highly successful in their own way) have tried everything from six to a hundred or more.

William Howells, Professor of Anthropology at Harvard University, has suggested that the first men from Outer Space "will be neither bipeds nor quadrupeds, but bimanous quadrupedal hexapods", in other words, something like the mythical creatures. Professor W. T. Williams of Southampton University favours something more like John Wyndham's "Triffids". So, whatever your preference in the way of B.E.M.s., you have a fair chance of finding some open-minded academic to support your opinion.

Mechanical Intelligence

Only twenty years ago, electronic computers were almost non-existent, but today they are in use by the tens of thousands, and their number is doubling every year. They deal with everything from routine addition and subtraction to advanced accountancy, astronomical computations, and the economic planning of whole industries. The latest machines, though scarcely out of the experimental stage, not only think for themselves, but in some cases they think better than we can. Thinking, as Rignano pointed out some forty years ago, is a process of experimentation, not with things, but with their representatives. Looking at the thinking process in this way is very helpful, for it assists one to understand how the thinking process can be mechanized.

But, in spite of the evidence, whenever mechanical intelligence has been discussed, there have been strongly emotional denials that automata could ever think creatively. And yet our brains are relatively badly organised, inaccurate and slow. They were not evolved for the purpose of abstract thought, or the pursuit of those elusive concepts, truth, beauty and goodness, but developed slowly through millions of years as a product of the struggle for survival. As Lord Balfour said, our brains are essentially a food-seeking system, and no more necessarily a truth-

finding apparatus than the snout of a pig. It is well to bear these things in mind when pondering the problem of how long it will be before we build mechanical minds of super-human muscle-power.

Most of the early work on the design of intelligent machines was done by teaching them to play games. Chess is particularly suitable for this job, because it is a microcosm of human struggles, with its own hierarchies, rules, aims and logic. The first chess-playing machine was built in 1769 by Baron Wolfgang von Kempelen. The machine was demonstrated before Marie Therese, with whom von Kempelen frequently played chess, and is said to have defeated both Frederick the Great and Napoleon during the eighty-five years before it was destroyed by fire at Philadelphia in 1854.

The first *real* games-playing machine was the chess-player exhibited in Paris in 1914 by Senor Torres y Quevado, Director of the Laboratorio de Automatica, in Madrid. This chess-player could not tackle a complete game with the pieces, but it could complete an end-game, checkmating the human player's king with its own king and rook. In 1949, D. W. Davis of the National Physical Laboratory built an electro-mechanical noughts and crosses player, using standard automatic telephone equipment for most of the apparatus. Today, there are numerous electronic computers which can play chess well enough to beat most human players. The latest of these learn from their own mistakes, and erase from their 'memories' bad moves, substituting those which they have found from "experience" to be better.

This rate of progress, in less than 200 years, from Baron von Kempelen's (probably fraudulent) chess-player, to electronic computers of almost human ability, is typical of modern technology. What will the next 200 years bring? It could well be something beyond human imagination. Similarly, we must ask ourselves what could have happened on older worlds, where technology might have been far advanced before life crawled out of the seas of Earth.

It is possible that a new phase of evolution—mechanical evolution—is about to begin on this planet. It could be that the change from biological evolution to mechanical evolution will prove to be of far greater importance than the change from chemical evolution to biological evolution which took place some 2500 million years ago. It is even possible that this always happens—that whenever biological life attains an intellectual level such that the organism can understand its own physiology, then mechanical components begin to be used for the replacement of biological components that are defective. The report from the New York Memorial Hospital, a year or so ago, of surgeons cutting a man in half, from the ribs down and fitting him with an artificial trunk, pelvis and legs, points to one way in which this work is going. The Russian experiments in keeping alive, and supposedly conscious, an isolated monkey brain, point to another path.

Another game which could lead to computers ruling the world is that of real-life monopoly. It will not be long now before political leaders come to realise, as scientists did many years ago, that machines of

super-human thinking ability can be built, and that they would completely alter human existence. Any nation which puts out the tremendous financial and technological effort needed to produce a Mechanical Minister, would use it to the maximum capability, which means that it would be used full-time in making decisions of national policy. Any restriction to the range of data supplied to the machine would limit its ability to make effective political decisions, yet if no restrictions are placed upon the machine's command of information, the entire control of the nation will virtually be surrendered to the judgment of a robot. It is unquestionably true that a single super-intelligent machine could dominate and direct the activities of the whole human race—if we let it. Unfortunately it is also true that the present world tendency towards Dictatorships and Police States does not suggest that mankind is alert to such dangers.

Mechanical super-intelligences, which may already exist upon other worlds, would have great advantages over biological organisms. They would be little inconvenienced by interstellar journeys impossible for man. They could withstand enormous accelerations sustained for long periods, and by using only those parts essential for piloting a spaceship, they could survive the cold of outer space without food (fuel), water or air. In strange environments such machines could withstand great extremes of heat and cold, operate in almost any atmosphere (or none), and be immune to bacteria, viruses and most forms of radiation.

Reproduction, which is usually thought of as something which is exclusively biological, is actually nothing of the kind, being a phenomenon of very wide occurrence. Reproduction is something which begins to take place in all dynamic systems of more than a certain (very high) degree of complexity. The problem (and American engineers are already working on it) is to programme a machine to make another machine like itself, and to programme this 'mechanical-off-spring' to do the same. John von Neumann was the first mathematician to point out that it is theoretically possible for a computer to design a better computer than itself, and for the two between them to decide on the design for a third . . . In this way mechanical evolution follows quickly on the heels of mechanical reproduction.

Stable, Intelligent Plasmoids

A plasma is an ionised gas, that is to say, it is an aggregation of ionised and neutral molecules and atoms together with free electrons, and it is possible for quite large amounts of energy to be stored in the ionised particles. Plasmas are by no means a new discovery; every time we look at a glowing neon sign, we look at a plasma. The properties of plasmas arise from two very familiar phenomena discovered nearly 400 years ago by William Gilbert, physician to Queen Elizabeth I. In the year 1600, Gilbert discovered that an electrically charged metal knob lost its charge when placed near to a flame. Gilbert thus showed that a hot gas (which we now know to be an ionised gas) can conduct electricity. Gilbert is also remembered for being the first experimenter in magnetism, and magnetism is the other physical phe-

nomenon which governs the behaviour of plasmas. Magnetism and ionisation together produce all those effects—including the terrifying phenomenon of ball lightning—which have recently been given the name of magnetohydrodynamic phenomena.

How can a ball of hot ionised gas be stable? At present, no one knows the answer, but that they can be stable is abundantly proven. For one thing, natural ball lightning has frequently been observed to persist for five or ten minutes, and on rare occasions for more than a quarter of an hour. A study of magnetically confined plasmas was made at the University of California Radiation Laboratory about nine years ago. A plasma gun was constructed which generated a plasma of deuterium. Two electrodes made of titanium with absorbed deuterium were used to strike an arc of several thousand amperes, and with a pulse duration of about a two-millionth of a second. The intensity of the arc evaporated electrons and ions from the electrodes, and the magnetic field associated with the current-pulse pinched the plasma into a slender column. The doughnut-shaped (toroidal) plasmoids were magnetically expelled from the gun with velocities of up to 120 miles per second. Although the plasmoids moved at such tremendous speed, they left a luminous wake which could be recorded with high-speed cameras. This work was one of a chain of research projects which may soon lead to the systematic production of artificial lightning balls.

Artificial lightning balls are being explored in research laboratories all over the world, for two reasons: firstly, because they are believed to offer great potentialities as a defence weapon; secondly, because they throw some great light upon the problem of plasma-containment, which is the chief obstacle in the way of thermonuclear industrial power.

One of the most remarkable properties of artificial plasmas is that, like natural ball lightning, they are often surprisingly stable. The University of California experiment showed that the toroidal deuterium plasmas would not only bounce off the floor but even off each other. The experimenters said that they almost seemed to possess individual personality.

Where does the intelligence come in? Well, it doesn't—yet, but Dr. Kenneth Shoulders of the Stanford Research Institute in the U.S.A., is tackling the problem. The U.S. Navy have commissioned Dr. Shoulders to produce an extremely compact computer—one with about 100,000 million components per cubic inch. It is hoped that such a machine, about 1000 times more compact than the human brain, could recall information at about 10,000 million binary "bits" per second. Dr. Shoulders' first model is expected to be a high-temperature solid-state job, using thin films of alumina and molybdenum at a working temperature of around 800°C. Dr. Shoulders' long-term project, however, is a plasma computer, in which the active components will be electrons and ions whirling in a matrix of magnetic fields. Although Dr. Shoulders does not expect to finish the project himself, it does seem that another piece of Science Fiction is in process of coming true. Fred Hoyle's
(concluded on page 19)

The Problem of the Frankensteins

by IVAN BRANDT

THE Editorial "Clean Sweep" in the November-December 1966 issue of the FLYING SAUCER REVIEW was extremely stimulating, and will tend to give some of us pause, especially those of us who have perhaps given the wrong impression that the "alien Aeroforms" are presenting no problems for us.

Now that we have been given a concise form of collected evidence in *The Humanoids*, as well as other detailed accounts of witnesses' experiences published elsewhere, the problem of the flying saucer phenomenon seems to be far greater and more of a mystery—even after twenty years—than it had at first appeared. As our Editor said, it is now incumbent upon all of us—indeed, it is imperative—that we devote some hard thinking to what I have called the "New Revelation", and it is high time for the official investigation recently set up in America. For the evidence and accounts of experiences collected from reliable witnesses seem an alarming and terrifying aspect of the phenomenon. But I believe that the long-awaited breakthrough is now possibly on hand, and as our information increases and our understanding grows so this alarming and terrifying aspect will diminish and eventually disappear. However, a breakthrough will not be made unless man on earth is prepared to use his mental faculties as energetically as he is at present wasting his physical energies, chiefly in the futile slaughter of warfare as well as indulging in other forms of human wastage which seem to be legion. Nor will we be in a position to make a breakthrough or to solve the problem until we realise that, first, science and religion cannot be divorced, and secondly, that both of these are one and the same, that they are essential and cannot be used separately for its solution. Although I believe that our humanity is badly retrogressed and our civilisation thousands of years behind that of the "variegated bunch of all-sorts" of beings now visiting us, we have at least advanced enough to know for sure that certain facts exist, that these facts are valid and that we must enlist these facts or principles to help us with any investigation that is to be made. Among all the hypotheses stated by Aimé Michel in "The Problem of Non-Contact" in *The Humanoids*, he made this point clear, and the most important of all the points he made in his Thirty-seven Articles, which end with the sentence "The rest is useless child's play." The great mystic, Anna (Bonus) Kingsford, has taught us that

"As all things proceed from mind, mind is necessarily competent for the comprehension of all things . . . It is not that truth is not infinite, but that reason, when perfected, is also infinite. There is nothing that is incomprehensible or

cannot be understood. The doctrine of the "incompetence of the human reason to comprehend the truth" has ever been the stronghold of superstition . . ."

Thus we possess a reliable instrument of understanding which is capable of expansion.

The facts and principles which our earth's humanity know and understand for sure at its present stage of evolution, and which support this instrument of understanding, can be used as a basis or foundation upon which our investigation may be built. These facts and principles include such realistic examples as the following: the fact that a physical universe does indeed exist and is maintained; the fact that our planet Earth revolves around the sun of our solar system, and that the earth itself turns on its axis; that each of these revolutions takes a precise period of time, and that they have been going on and taking these periods of time for thousands and thousands of years; that a vacuum is a non-conductor of heat and will not transmit sound waves; that water on the earth's surface always finds its own level . . . These, and many other facts that are known by us "for sure", constitute proof that *law and order* exist as a constant and ruling principle in the universe, and that "Maria—the sea of limitless space—Maria the Virgin," born herself immaculate and without spot of the womb of the ages "is without chaos, and that any chaos which may now exist has been made by man himself, and not by "God" or the Divine Intelligent Principle by which the universe is maintained.

" . . . for the so-called 'forces of evil and darkness' have always been recruited from the ranks of your own humanity "

There is nothing, therefore, that cannot be understood, for all is evolving by law and in order—though we ourselves seem to do everything we can to shroud this evolutionary movement in a mist of *disorder*. It remains for us to improve our faculty of understanding through the expansion of our consciousness.

What is constituting a shock in this New Revelation, and something that must give us pause, is not the fact that advanced races of mankind from other regions of the universe are now visiting us in their space-ships—for the possibility of interstellar and interplanetary space travel has been in our minds for a long time—but the fact that the visitors appear to be a "variegated bunch of all-sorts", some of whom are so formed as to strike terror into the hearts and minds of those of us who have encountered them. For *this* is the fact that is presenting a *seeming* chaos. But remember, "there is nothing that

cannot be understood" and in the same way that we know that nature abhors a vacuum so do we know that chaos is not a part or quality of deity, and it cannot therefore exist in a divinely sustained universe. (This is where the latter part of science-religion can help).

The kick-off, then, for our "hard thinking" must start here, and the first indispensable requisite for our investigation is the power to discriminate; the ability to distinguish between qualities which are eternal (spiritual) and those which are temporal or transitory (material). The teachings of the mystic Anna Kingsford are particularly relevant in the solution of this problem which is now presenting us with forms of humanoid life that appear to be very different from those which are "nature's chosen form" for the human being. The power to discriminate, and to distinguish between the sons of God and the sons of men, as well as the power to discern those things which have been made by man himself, has become essential. We need the help not only of Anna Kingsford but of all those advanced souls of our earth's past and present humanity who possessed and possess this wisdom. One immediately thinks of the two greatest of these, Siddharta Gautama (the Buddha) and Jesus. The German mystic Jacob Boehme, whose significant statement "there is a signature in all things" would have been particularly helpful in helping to solve the problem of the humanoids had he been living today. But the teaching which is especially helpful with regard to the appearances of the "variegated bunch of all-sorts" originates from Anna Kingsford when she explains why man's countenance is the "express image of God's nature", and how this physiogomy "bears in its features the impress of the celestial, showing him to be thence derived". For, according to this teaching by one of our greatest thinkers and mystics, there is a reason for the pattern or design of man's countenance, the positioning of which features is fixed and constant and is by no means arbitrary. This explanation is too long to quote here, but anyone who is interested will find it in the book entitled *The Perfect Way*.⁴ The importance of this explanation is readily understood when one realises that it is a reliable guide for distinguishing between those of our extraterrestrial visitors who possess the characteristics of their progenitors who were the "Sons of God" (the original Adam, Galactic Man, created by the Elohim), and those who possess the characteristics of progenitors who were the "sons of men" (the second Adam, earth animal or chemical man, who were created long after the first Adam).

Now at this point it is necessary to remember the last part of the 9th verse of Ecclesiastes 1 "... there is no new thing under the sun", also the last part of the 9th verse of Deuteronomy 5 about "the iniquity of the fathers . . .", and the fact that history repeats itself. If we go back far enough, to the very beginning of things with the help of the Pentateuch and Brinsley le Poer Trench's book *The Sky People* published in 1960—the thesis of which

book postulates that there were two creations of man, separated by many ages, and that this fact is stated in the first and second chapters of Genesis—we shall find an illuminating account of the origin of the human race, and a reasonable explanation of our double nature. For "the Sons of God saw the daughters of men that they were fair . . ." and humanity became a crossbreed. This explains many things and answers many questions, among which is the character of Jesus who, denuding Himself of all characteristics of the second Adam, attained Christhood. He was born both Son of God and son of man and by this denudation became the most perfect manifestation of consciousness in matter this world has so far seen. The signs in our skies (which were foretold by Jesus)⁶ and the accumulating accounts of the experiences of witnesses, confirm much of the teaching in the Old Testament and the thesis of le Poer Trench's book. It can now be seen why science and religion cannot be divorced, for it has taken a combination of scientific and religious "hard thinking" by several philosophical writers to produce the clue which is the most likely one to solve this problem. The type of Christianity which we call Orthodoxy, with its anomalous doctrine and dogma, pales into mere superstition when confronted with its realistic supplanter Wisdom-Knowledge, and the reason for this belief's present decline and its inevitable fall is becoming apparent. This has just been dramatically emphasised by the courageous action of Dr. Charles Davis, Britain's leading Catholic theologian.

But for the solution of that aspect of the "flying saucer" phenomenon which is currently presenting such alarm and terror to us we must go back to the beginning of things, remembering at the same time all the teaching we have received not only from all those wise ones who have lived on our planet in the past, but also from those who are living on it at present. Since "there is nothing that is incomprehensible or cannot be understood" there must be an explanation of those things which, at the present stage of our evolution, may seem incomprehensible and terrifying to us. Now the great amount of evidence from witnesses all over the world suggests that our extraterrestrial visitors are of three different types. It must be remembered—and this is most important—that present humanity are the crossbreed descendants who have descended from the fusion of the first and second Adams. The first type of extraterrestrials would possess the characteristics of those who belonged to the first Adamic race ("So God created man in his own image . . ." Genesis 1 v. 27); these are the descendants bearing characteristics of those who belonged to the second Adamic race ("And the Lord God formed man of the dust of the ground . . ." Genesis 2 v. 7); these are the descendants bearing characteristics of the second Adam, earth animal or chemical man, who may be coming perhaps from a limited space, from within the confines of our own solar system. So present humanity, including the extraterrestrials, bear characteristics of both Adam I and Adam II, in

which descendants one or the other characteristic may be dominant.

But the third type is a "synthetic being" which has been built or "manufactured". It would seem that among the descendants bearing the characteristics of the second Adamic race there are some who are emulating the "iniquity of the fathers" and, with their greatly advanced biological and physiological techniques, are again creating "servants". For it was for the "services" of their remote ancestors that their ancestors were originally created—"to till the ground".⁷ This third type is therefore a synthetic being which has been "built"—in contradistinction to being "born"—and although its form may be crudely human and possess an efficient kind of intelligence, it is not intrinsically human. It does not possess, therefore, a body which is "nature's chosen form" for the son of man but the body of a very advanced type of biological robot. The incidents at Cisco Grove, Globe, Valensole, and the cases which recount somewhat similar incidents, appear to corroborate the hypothesis that these descendants have arrived at a stage of chemical and physiological knowledge which has enabled them, like Mrs. Shelley's Frankenstein, to produce a synthetic human being" for rendering services, and they are sending or bringing these robots with them to our planet to help them with their researches. But since the time when man dwelt "in the Garden of Eden dressed in the celestial garment, a garment of heavenly light", (Zohar ii, 229b) many millions of years have passed, and it has taken all these ages to evolve a material and physical body for him which is a replica in "heavier" atoms of the form of that garment, and which, in its divine proportion, is a facsimile in flesh, blood and bone of the Vision of Adonai.⁸ As it has taken all this time to evolve a physical body of "nature's chosen form" for the human race, our technology could hardly expect to manufacture one which would exactly match or equal its prototype in such a comparatively short period of time.

Now the cases of Mr. and Mrs. Barney Hill, and Villas Boas (*The Most Amazing Case of All*),⁹ also appear to corroborate this hypothesis, and the evidence points to the possibility that these members of the Adam II descendants are obsessed by, or at the least vitally interested in, their—probably and comparatively newly-found—talent for "making men", which know-how may be, for them, among the last remaining fruits to be plucked from the tree of knowledge. Although we have not been given the details of the examination-cum-"operation" on the reproductive organs of the Hills, this incident and the Villas Boas case strongly suggest that the captors of all three of these persons were the extraterrestrial descendants themselves, and not their "servants" or "robots". The important question is; Why are these descendants of the Adam II race so interested in the reproductive organs of earthmen? Is it not possible that, having succeeded so far only in being able to manufacture near-monsters or creatures which, though they may be extremely efficient mentally,

(with a brain "at least three times as big as ours"—Aimé Michel¹⁰) they are only crudely human, and their makers are trying to solve the problem of creating man in the exact image of themselves? They may be wondering: since their own remote ancestors were at first manufactured from "the dust of the ground" in the image of their God the Jehovah, why cannot they themselves now succeed in making an image exactly similar to their own, or in nature's chosen form? In spite of the fact that the inhabitants of our earth are a retrogressed and comparatively ignorant humanity, there are still many beautiful and intelligent people among us, some of whom possess bodies, the physique of which sometimes reaches the perfection of "the golden mean" or "divine proportion", and these must have been seen by our extraterrestrial cousins. But since—as Wade Wellman believes—these extraterrestrial cousins of ours, who seem bent on the manufacture of synthetic beings, would consider it beneath their dignity to communicate with us, regarding us as far inferior to themselves, they would certainly not ask us to collaborate with them or assist them in their experiments. Rather would they look upon us as human guinea-pigs to be taken for examination and experiment in their search for the few essential but missing details for the perfect construction of nature's chosen form.

This brings me to certain aspects in the now complete account of the Villas Boas case which seem significant with regard to the extraterrestrials' interests and experiments, in which cross-planetary breeding appears to be included. These aspects are the almost animal behaviour of the woman during sexual intercourse, and Boas's emphasis on the colour of her hair. It may be fairly accurately assumed that the "fair, almost white" colour of the hair of her head was not the real colour of the hair of her body, the true colour being seen in her armpits and pubic hair which was "very red, almost the colour of blood". Red hair has always been indicative of passion, and this, with Boas's description of the act:

"... some of the grunts that I heard coming from that woman's mouth at certain moments nearly spoiled everything, giving the disagreeable impression that I was with an animal..."¹¹

would suggest that some of the members of the extraterrestrial crossbreed humanity are very "physical" beings, more so, perhaps, than the most physical type of crossbreed earthman. Could it be that this characteristic is proving a deterrent to their progress and that they are wishing to breed with, and from, a less passionate type of being? Or was this incident merely a study-session during the act of propagation which might give them useful hints or information with regard to their manufacture of synthetic human beings, and perhaps supply them with the missing links in their know-how? For the captors of the Barney Hills and Villas Boas would seem to share the same morphological interests. These suggestions may seem far-fetched, but, as Aimé Michel says, "in Ufology the rule is to think of everything and to believe nothing."

The accounts of the capture and experiences of

these witnesses are frightening, but it must be remembered that—unless there are specific reports which have been withheld from us—the extraterrestrials, although they may have badly frightened us, have not, so far as we know, deliberately caused any of us serious bodily harm, nor have they used lethal weapons against us. This cannot be said, alas, on our side. Unavoidable accidents may have occurred—such as, for example, the well-known case of Captain Thomas Mantell who was killed on January 7, 1948—but no deliberate act of aggression causing death has been made against us.

Since we ourselves are crossbreed humanity, and akin to our visitors, my case for another word to replace “alien” in the term “alien aeroforms” still stands.

A STAFFORDSHIRE CREATURE REPORT

by Wilfrid Daniels

HERE is one of the more fantastic tales to have emerged during the thirteen years that I have been alert to mid-Staffordshire UFO sighting reports. I have good grounds for believing it to be true, although the names and addresses of the parties concerned are not for publication.

The fact that the story has been “sat on” for eight years suggests that we are not dealing with publicity-seekers. It “leaked” to me on February 17 this year only through an introduction by a third party at a time when there was some UFO activity reported in the Cannock-West Bromwich area, which got a good “press” locally and attracted attention . . . Hednesford is very near Cannock, on the Southern approaches to Cannock Chase.

About eight years ago (1959-60?) in December or January, Mr. F. was travelling from Stafford to his home at Hednesford, in the evening, after the day’s work at a large engineering works in Stafford. With him were his wife, and a woman friend of the family; all work at the same plant. Mr. F.’s car at the time was a Morris “Oxford”.

Going up the long, steep bank just after Brocton, on the road past the German Military Cemetery to Pye Green and Hednesford, the car began to falter (Mr. F. was aware that the petrol-pump was rather erratic at the time). The car stalled thirty to forty yards from the top of the hill.

Mr. F. got out and “tickled” the pump and managed to get the car started, but it limped only half a dozen yards or so then “conked” again. At

- NOTES
- 1 From *The Perfect Way* by Anna Kingsford and Edward Maitland. Preface to the Fifth Edition, pp xix, xx. Publ. John M. Watkins, London, 1923.
 - 2 For the true meaning of the dogma of the Immaculate Conception see Anna Kingsford’s book of Illuminations *Clothed with the Sun*. Publ. John M. Watkins, London, 1937.
 - 3 From *The Sky People* by Brinsley le Poer Trench. Prologue p. 18.
 - 4 Lecture 9, Part 4, Note 13.
 - 5 Genesis 6 v. 2.
 - 6 St. Matthew 24 v. 30.
 - 7 Genesis 2 v. 5.
 - 8 For the explanation and description of the *Vision of Adonai*, see *The Perfect Way*, Lecture 9, Part 5, No. 50.
 - 9 FLYING SAUCER REVIEW Vol. 11, Nos. 1, 2 and 4. (See also *Even More Amazing*, FSR Vol. 12 Nos. 4, 5, 6; Vol. 13 No. 1 and this issue).
 - 10 See “The Problem of Non-Contact” in *The Humanoids* (FSR Special October/November issue, 1966).
 - 11 See FSR November/December, 1966 p. 15.

this point the two women got out to attempt to push.

It was quite dark, but there was light snow on the ground so what followed was seen clearly enough.

It was at this moment that they all became aware of a small figure standing on the road to their rear—they saw no one approach; suddenly, the figure “was there”.

Its form was humanoid, but it stood only 3ft. 6 in. approx., all in close-fitting blackish clothing from the neck down. (F. denies that it could have been a shortish motor-cyclist or scooter-rider).

The head “was enormous”—three or four times bigger than normal—and enclosed in an even larger transparent bowl”.

A quite, smooth voice asked “are you in trouble?”, and the two women said, “Yes!—the car . . . it won’t go”, at which the little figure stepped forward and, resting its hands against the back of the car, began to push.

The “Oxford”, which weighs over a ton, went up the hill at a crisp pace, and Mr. F was able to “blip” the engine into life—and then, as they turned to thank this weird but helpful stranger—the road was empty save for themselves and the car. They saw nothing else.

The ridicule that ensued when they told a few close relatives and friends soon taught them to keep it to themselves. It is only by chance that I heard of their story, and I fear it is unlikely that we shall ever know whether or not it was a contact with a UFO “occupant”.

A Long, Cool Look at Alien Intelligences (contd.)

“Black Cloud”, instead of coming from the direction of the constellation Orion, may eventually materialise in North America.

We have now considered possible forms of intelligent organism. In Part III of this article we will look at the kind of interstellar exploration and communication which such intelligences might adopt.

PERSONAL COLUMN

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