

Mr. Frank Donald Drake
Space Research Building
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ITHACA, N.Y.
14850 U.S.A.

October 24th 1973

Dear Mr. Drake,

thank you for your letter. Thank you very much indeed. I will try now to explain my ideas more clearly, and in a foreign language too, which doesn't simplify the matter.

I am afraid this first group of papers shall not be enough, at least for my purposes. It can, of course, be enough for yours, would your opinion be a negative one. May I ask you to let me know what you think about it, in any case? I am quite prepared to be disappointed. Disappointements are my occupational disease, and at this point I can only be surprised by a positive reaction.

The main problem is to make myself understood, and to choose among my papers those that may keep your interest alive. A hard task. My discovery, or, better said, my re-discovery, was made step by step, and it is very difficult to see the importance of the result without following the complete process from the beginning. Especially as the beginning was something so obsolete and despised as the Zodiac. Nowwithstanding, the very fact that the Zodiac is a written document of unknown origin becomes at the end of the utmost importance.

To spare your time, I think it would be better, at least for the moment, to take for granted some postulates, clearly suggested by the structure of the Zodiac. They can be explained (and I will explain them) logically with the "game of twelve" and with the "game of number one reproducing itself". But before coming to these more elaborate mathematical speculations, I suppose you should get acquainted with the structure of the Zodiac (the complete structure: from Ptholemy to our times, astrologers worked on dilapited relics). And here it is:

2)

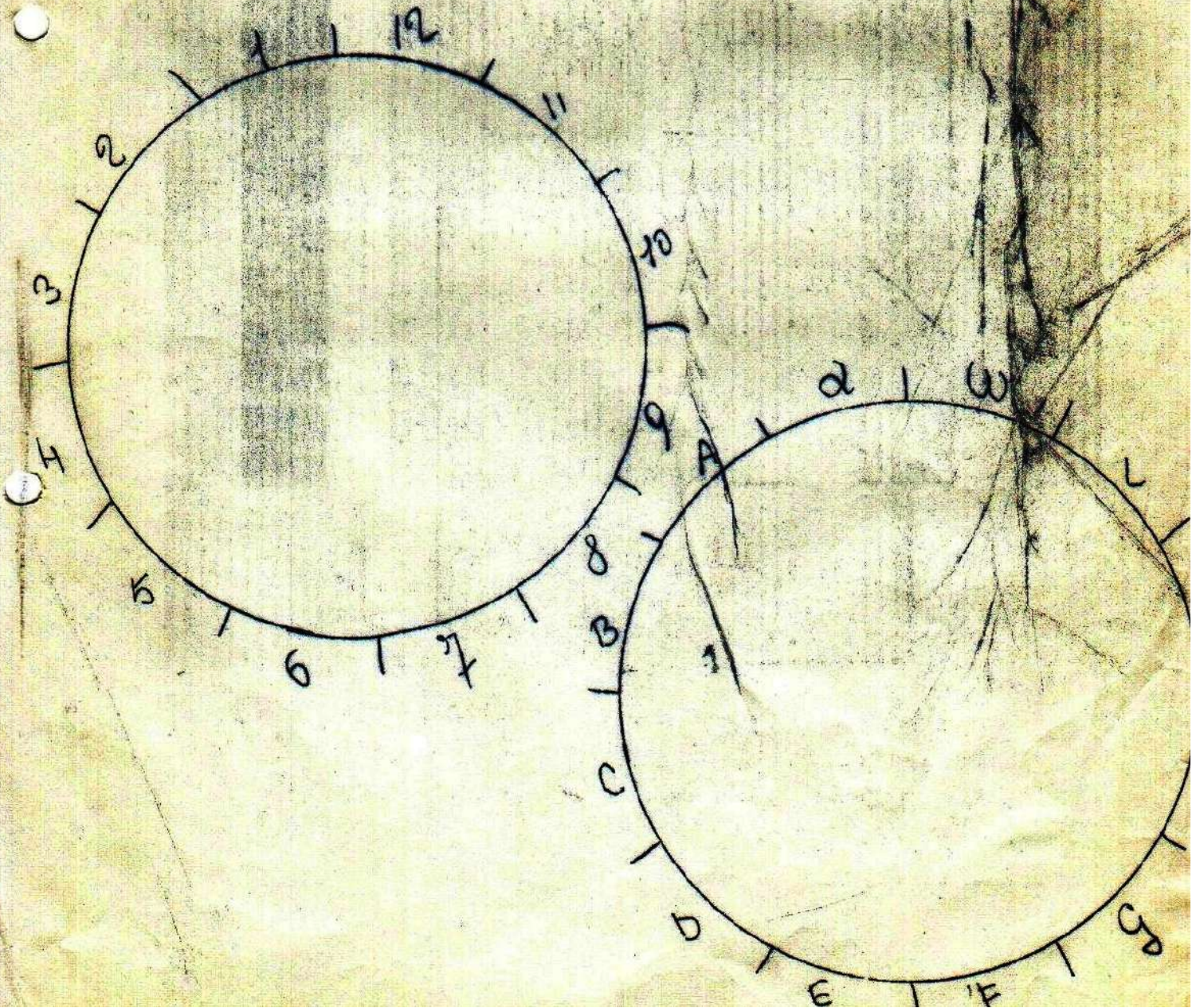
1) We have to consider two series of twelve elements

2) We shall call one of these series "the space serie" (indicated with Arabic numbers) and the second one "the motion serie" (indicated by Greek and Latin letters)

Space serie : 1-2-3-4-5-6-7-8-9-10-11-12

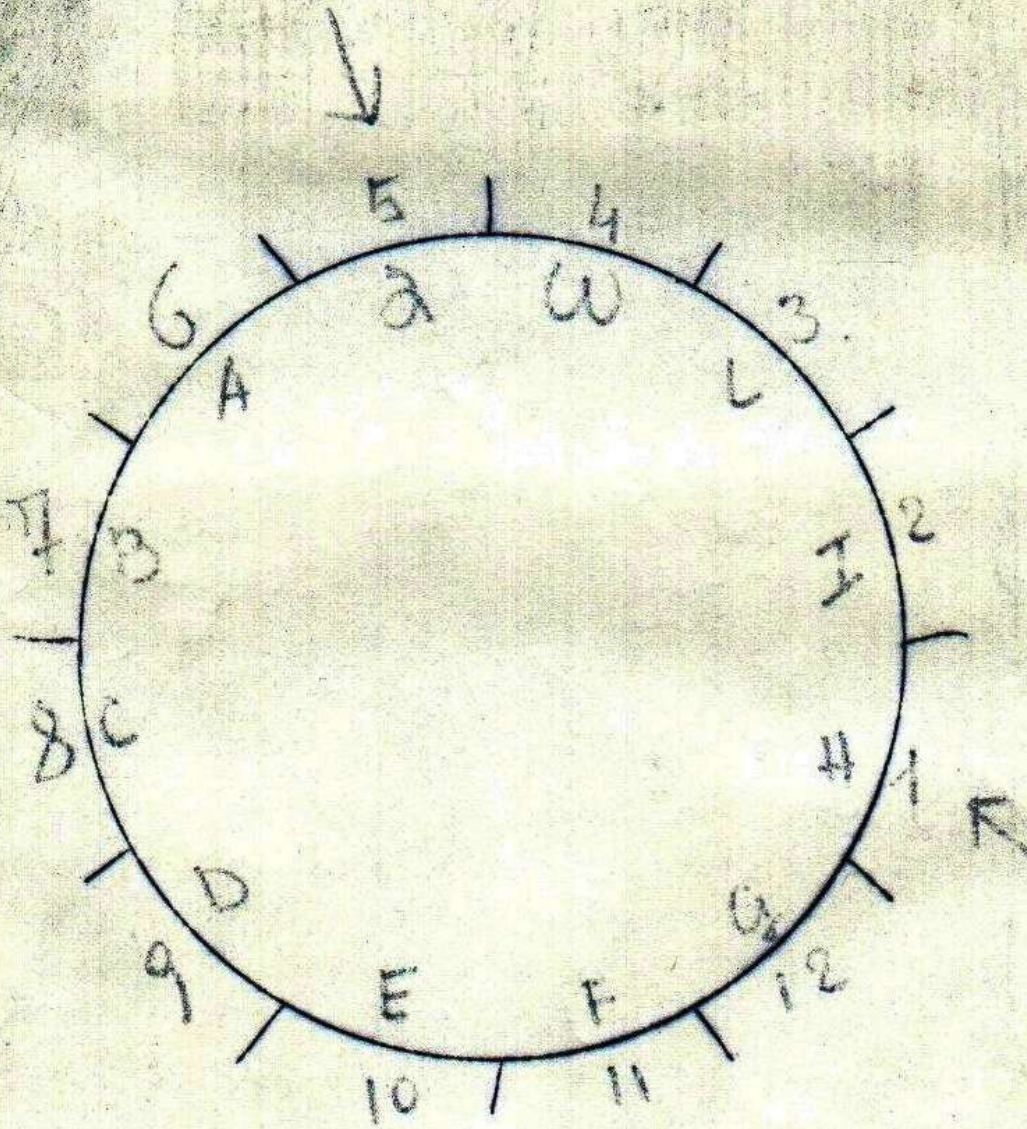
Motion serie : ~~1~~-A-B-C-D-E-F-G-H-I-L-~~12~~

3) Each serie is closed in a circle figure, with the ends joining (i.e., with the twelfth element joining the first).



3)

4) The two series are intertwined in a particular way, and the beginning and the end of each serie don't coincide. On the contrary, we have to accept the fact (explained later by 'the game of twelve') that the motion serie inserts itself in the a very particular point of the space serie : the fifth element of the space serie (or, if we consider a circle of 360° , at the 120° of the space serie) (Please remember that the 'direction' of the Zodiacal structure is always anticlockwise)



Black - Space serie

Red - Motion serie

4)

5) While the space serie appears to be 'monotonous', and its elements 'fixed' once and for ever, each element of the motion serie indicated by Latin letters 'occupies' three different positions in the space serie (called first, second and third position), and the two elements indicated by Greek letters occupie only two positions (the first and the third). The different behaviour of alpha and omega will be explained by the game of twelve.

~~In spite of the absurdity of the postulate (especially to an astronomer's mind) the three positions of the motion elements are in fact the key of the very igneous Zodiacal code.~~

In the circle figure of each serie, we have to consider the parallel elements, and the opposite ~~ix~~ elements : for instance, the element 1 is parallel to the element 12 and opposite to the element 7. The element 2 is parallel to the element 11 and opposite to the element 8, and so on. We can clearly see that four elements of the serie (1 and 12, and 6 and 7) are parallel and consecutive. We shall call them the extremes (1 and 12) and the anti-extremes (6 and 7), while we shall call the other eight elements 'lateral', or 'side elements'. We shall see later thã the 'behaviour' of the side elements is quite different from the behaviour of the extremes and anti-extremes (the same thing happens with the elements of the bacterial cell. As a matter of fact, I reached the happy end of a very critical period of my analysis keeping an eye on the Zodiac and the other one on Francois Jacob's La logique du vivant)

6) Thanks to the pattern of the different positions, the motion serie appears to duplicate itself inside the space serie.

~~The succession of the first and second position of the Latin lettered elements is quite simple and logical, because it follows the alphabetical progress of the same letters.~~ ^{in the figures} The first position is indicated by the letter written in black. The second position, by the letter written in red. You will see that each black letter has a red reflection of itself in the parallel space elementã creating a zig-zag pattern, with the exception of the letters D and E, where we have , in four space elements, a succession of two reds followed by two blacks. I am afraid that for the moment I have no logical or mathematical explanation of this fact, however clearly related with the 'reproduction twist' of the biochemical cell.

in alpha
EHP

Which are the key of the very in 20 cod

4)

5 = While the space serie appears to be 'monotonous', and its elements 'fixed' once and for ever, each element of the motion serie indicated by Latin letters 'occupies' three different positions in the space serie (called the first, second and third position), and the two elements indicated by Greek letters occupy only two positions (the first and the third).

You will probably begin to wonder what a 'position' is; for the moment, please accept the hypothesis that they are the key of a very ingenuous code, and they offer the possibility of reading whatever message the code contains.

6 = Thanks to the pattern of the first and second position, (see figure 1 and 2) the motion serie appears to duplicate itself inside the space serie. This pattern follows a fairly simple logical sequence :beginning with alpha, and ending with omega, each element of the motion serie is placed at the right and at the left of the circle , completing step by step the alphabetical succession. In the figures, the first position is indicated by the letter written in black, and the second position by the letter written in red.

You will see that each black letter has a red reflection of itself in the parallel space element, creating a zig-zag pattern, with the exception of the letters D and E, where we have, in four space elements, a succession of two reds followed by two blacks. I am afraid that for the moment I have no logical or mathematical explanation for this fact, however the loop of the four v motion elements seems clearly related with the reproduction twist of the biochemical cell. And, in the course of all my further analysis, The Zodiacal code always seems to make me reach the conclusion that 'what begins with two ends with four'. So I accepted this anomaly as an important suggestion of the message.

7 = Now we are looking at fig. 2 and at the complete pattern of the first and second positions. Let us suppose we are spies, and fairly sure to have an important cipher-code in our hands. What can we do to decode it? I will spare you the story of my trials and errors. At the end, I succeeded following the thread of Ariadne, and quite easily I found my way out of the labyrinth. The Zodiacal code begins to 'sing', as the computers experts say, when you decide to connect with a line different points of the code itself, after having established a logical rule beforehand.

For instance, we can consider all and only the first positions and trace a line that runs from alpha to omega through all the Latin letters in their alphabetical succession. The result is shown at figure 3. We have a loop of four elements at both ends.

Let us try now with a line connecting all the second positions. You can see it at figure 4. As we are due to a surprise: a sort of click produces an intertwining at the upper end, while there is still the loop at the lower end.

Another way of using the thread of Ariadne is connecting all the first and second positions with a line which runs from top to bottom and vice-versa. I already sent you this pattern with my first letter, the result is what I suppose mathematicians call 'The Hamilton line'.

Enough for the moment, because most of all I don't want to bore you. Tomorrow I will try to explain the fascinating pattern of the third position, which transforms the Zodiacal circle in a tridimensional sphere. I think I will write to you three letters in quick succession and then wait for an answer. Please don't worry about my morale. I know perfectly well what kind of odds I am fighting against, and I will always be grateful for your kindness, anyway.

Thanking you again, I am

Yours sincerely

5)

In the xerocopy number 2 you have the complete Zodiacal code of the first two position of the motion series. At this point you can tell me "So what?". I know that I am gambling against an enormous amount of odds, but even if I never touched a roulette table in my life, let the wheel spin.

I will not explain in this letter the fascinating pattern of the third position, which will transform the Zodiacal circle in a tri-dimensional sphere. I prefer to tell you how, having detected a 'code' in the Zodiac, I tried, and succeeded, in reading it, or in making him 'sing'. I simply followed the thread of Ariadne, the only way to find a way out from the labyrinth. Myths have always been a great help for me (I am the Italian translator of Robert Graves Greek myths, by the way). See what I do in the xerocopies 3 and 4. Beginning with alpha, and ending with omega, I trace a line connecting all the letters of the motion serie in their natural succession, considering first the first positions (Fig. 3) and then the second positions (figure 4). The result is almost the same, but a sort of click produces an intertwining at the upper end of the circle with the line connecting the second positions. *The line that was 'open' ^{while} connecting the first positions. While at the other end, the loop of four is always present;*

I will end my letter at this point. A second one will follow in the shortest possible time. But, at the risk to increase the odds I am fighting against, I should tell you that the letters of the motion serie correspond exactly to the planetary orbits in their astronomical succession. Alpha being the Sun, and omega the Moon, the Latin letters, from A to H, indicate the known planets from Mercury to Plute (the Earth is not considered). The letters i and L indicate two unknown planets, but the Zodiacal structure is so perfect (as I hope to demonstrate to you) that we have to accept the fact that they exist. Of course the Zodiacal structure is astronomically absurd. But just for this fact ~~it is~~ ^{it is} interesting to examine it not as an astronomical primitive gadget, but as a 'message'. A proof, if I am allowed to quote you, of intelligent life in space.

Thanking you again for your kindness, I am yours

(Mrs) Lisa Morpurgo

Lanzano 5 - Milano 20123 - Italy

Lisa Morpurgo

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Thanking you again for your kindness, I am yours

(Mrs) Lisa Morpurgo

5)

If you have followed me up to this point (and I wonder), you can ask me "So what?". This game of black-and-reds, and different positions and series of twelve, may look boring and childish.

But...but: let us suppose it is really a game, a mathematical and geometrical game. It is not so childish as it seems. I am sure you have a marvelous coputer handy. Ask ~~it~~ it if, given the two ~~two~~ twelve series I told you about in my first letter, it is possible to change a bit their disposition (for instance, motion serie beginning at the second space serie element, and not the fifth) and to obtain a cascade of so logical results. Would I be the inventor of this sort of game, I should be a genius, which surely I am not.

The importance, the flabbergasting importance of this perhpas tiresome exercise of decoding, is that it started from a written relic. And unfolding this relic, as I did and I am doing, you can see the relationship between a prodigious code and the laws of 0-1 mathematics, of Einstein physic and of the DNA chain. As a matter of fact, the parallel analysis of the Zodiacal elements and of the DNA chain is my greatest achivement. It shows very clearly the reason of the doubling, and the point of a possible mutation. The only impossible thing, was to contact a biochemist. And I don't think that, at least for the moment, you can follow the process of my reasoning there, even more so because I should use perforce the true Zodiacal symbols. Until now I ~~tried~~ tried to translate them in letters and numbers, just not to vex and astronomer.

Here I end my second letter. Only a third to come. And how can I thank you for having take a look at?

With my best wishes

(Mrs) Lisa Morpurgo
Lanzone 5
20123 Milano (Italy)

4)

Of course, the first idea that the jump of the lateral elements suggest~~ed~~ is an anticlockwise vortex.

In figure 3 you can see the complete pattern of the third positions. Here, and afterwards, the third position will be always indicated by a letter outside the circle. These positions are related one to another in groups of three. The Zodiac indicates that the motion series elements bounce and rebound in a triangle figure. Alpha; jumping in the first space element, displaces C that jumps in the third element, and C displaces A that jumps in the fifth space element, where the first jump of alpha took place. The result is an intertwining of identical triangles in each half of the Zodiacal circle.

And now that we have established all the positions, with the help of Ariadne's thread we can do some very interesting things. We have to think of a logical rule beforehand. Let us say that we want to connect with a line the three positions of each motion element, taking in consideration, step by step, each element and its opposite. See figure 3. A is the opposite of D. We trace a line that begins and ends with the black (first position) A, passing through the second and the third position. We do the same thing with D. Each triangle is the reflection of the other one. Each position of each element occupies exactly the opposite space element. In the figures 3, 4 and 5 you can see the same thing done with all the elements. I beg your pardon for the correction in the upper part of figure 4, the tracing of the direction was wrong. As a matter of fact, there is an only triangle which goes clockwise, and it is the triangle made by a line connecting the first, second and third position of E.

Then, we can consider the maximum of surface covered by triangles not intertwined. See figure 5. Once again we have under our eyes two specular polygons, and each one is made with the connecting line of four parallel elements.

At last, let us trace a line connecting all the third positions following the alphabetical sequence. In figure 6 I switched the space series 120° upside, because the beginning and the end of both series coincide. Personally, I think that this very mysterious pattern is a beauty.

Ending with this letter the

Ending this letter, I think I should tell you something about what we may call the development of the decoded Zodiac. I hope ~~you~~ ^{entirely} you understood from the beginning that I had to choose some papers among hundreds. I tried, and probably failed, to outline the basis of my research; of course, during this research, I reached some conclusions. But it would be a mistake to judge me one of ~~those~~ these cranks who try to find the 'final answer' to every possible question. The Zodiac is the answer to a great lot of ~~answers~~ questions, but at the same time he provokes a new series of questions of cosmic magnitude. The main point is, more or less, the same you talked about at the Italian television: we are due to a beyond-Copernic revolution. The Earth is not the center of the solar system. The solar system is not the center of the Universe. Man is not the only living being in the Universe. Many persons, and you among them, are thinking so. But, as far as I know, this kind of reasoning is still anthropocentric. And optimistical. Master of his free will, and living in a ~~universe~~ world, (and in a universe) ruled by the laws of chance, man will sooner or later contact the inhabitants of the ~~Galaxy~~ Galaxy, and he will be ~~w~~ cleverer and happier for ever and ever. Like in the fairy tales.

Man is so fond of this marvelous fairy tale that he can go to any lengths to avoid seeing that the end may not be such a happy one.

The decoded Zodiac will open this revolution. I am sure of that. Perhaps you will not understand me, but ~~somebody~~ sooner or later somebody will. Perhaps the beyond-Copernic revolution, ~~even~~ but at this point I should warn you, at my turn. In spite of Maxwell's doubts, the devil in the bottle pays for information.

2)

I hope that, seen in the figure, this phenomenon will be clearer than explained by words.

I am sure that the exagonal-prismatic inner structure of the Zodiac is very important. It suggests something like the reflexes of the four-dimensional megacube. But I can only catch a glimpse of these possibilities in the thick fog of my ignorance.

I am no scientist. As a matter of fact, I am now applying the structure, and the suggestion, of ~~the~~ the decoded Zodiac, to the study of myths, symbols and initiation rites, where I feel more at home. Nowwithstanding, I am fairly sure that the decoded Zodiac could be very helpful for science. I don't know if I cateched your interest or not. You certainly understood from the beginning that I had to choose some of my papers among hundreds. I tried, and probably failed, to outline the basis of my research. Of course, during this research I reached some conclusions, but please don't judge me as one of those cranks who try to find the 'final answer' to every possible question. The decoded Zodiac is indeed the answer to a lot of questions, but at the same time it provokes a new serie of questions of cosmic magnitude.

The main point is, more or less, the same you talked about at the Italian television : we are due to a beyond-Copernic revolution. The decoded Zodiac, if properly used, could perhaps open this revolution. I have not the means of using it. This is the reason of my asking you help.

I am now waiting for an almost unbelievable yes, or for a very normal no. In any case, it was a pleasure to write to you.

Thanking you in advance, I am

Sincerely yours

Lisa Morpurgo
Lanzene 5
20123 MILANO
(Italy)

October 28th 1973

Mr. F.D. Drake
Cornell University
Space Sciences Building
Ithaca, N.Y. 14850

Dear Mr. Drake,

I am sending now to you the second group of my papers. I hope the first one is safely in your hands.

I will try to explain the third position of the motion serie elements. The astrological tradition indicated (and still indicates for the common astrologers) only five 'third positions' out of twelve. Non logical explanation given. No logical explanation was ever given for astrology, considered an esoteric science, something like a 'magic' astronomy. I have to insist on this point, because the logical reconstruction of all the third positions ' pattern, which costed me almost a year of great efforts, was the proof of what I suspected from the beginning, i.e. that the Zodiac was a mathematical cypher of our solar system. And, as a matter of fact, the third positions gave me the key of the code, revealing also a serie of exagonal structures which are built prismatically inside the Zodiactal circle.

While the pattern of the first and second positions, as you have seen, simply follows the alphabetical sequence from top to bottom (and the reverse, in a double line), to reach the third position each element of the motion serie jump and twist in a very peculiar way. For the moment, I can only show you 'how' the third position pattern comes out from the second position. The mathematical reason of these movements is hidden in the 'game of number one reproducing itself, which is a logic exercise of the mind so exacting that I can indulge to it only now and then.

So, the 'movement' of the third position comes out directly from the second position. Were we chess players, I would say that we 'move the reds'.

2)

In the figure 1 you see how alpha and omegan and their opposites E and F, reach the third position. Alpha jumps from the fifth ~~space~~ space element to the first; omega from the fourth to the twelfth. With two movements parallel and contrariwise (Newton's law of forces in motion), F jumps from its 'red' position in the eleventh space element to the sixth space element, and E jumps from the tenth space element to the seventh. The 'distance' covered by each jump is of 120° .

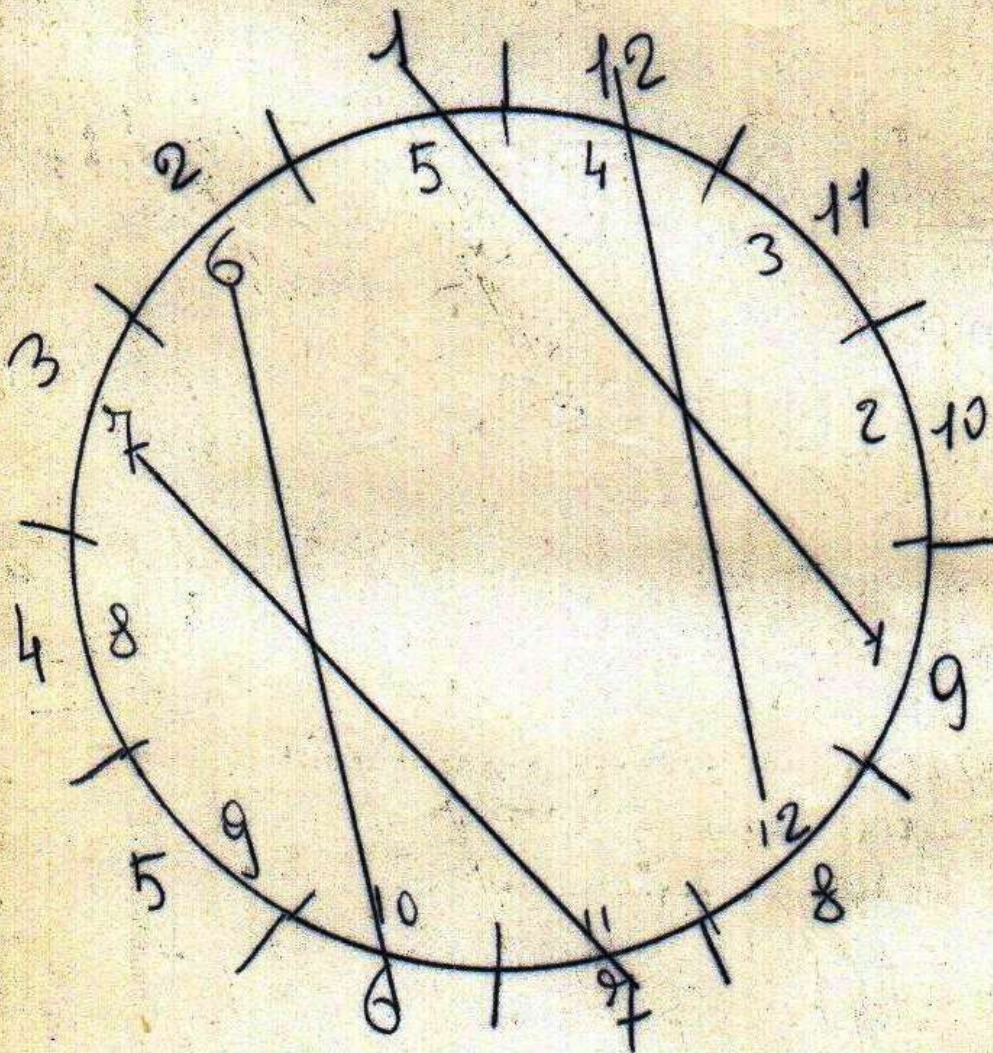
We have so far considered four motion elements in their third position. In figure 2 how the other eight ~~reach~~ ^{you see} reach their third position, covering a distance of 60° anticlockwise: letter G jumps from the twelfth space element to the second; C, from the first to the third, and so on.

At this point, I have to make an important detail clear: in the circle figure of the ~~movements~~ ^{Zodiac} ~~movements~~, we have to consider the parallel elements, and the opposite elements : for instance, the element 1 is parallel to the element 12 and opposite to the element 7. We can clearly see that four elements of the ~~serie~~ space serie (1 and 12, and 6 and 7) are both parallel and consecutive. We shall call them the extremes (1 and 12) and the anti-extremes, and we shall the other eight elements 'lateral' or 'side elements'. In the motion serie, alpha and omega are the extremes, E and F the anti-extremes, and the other Latin letters are the side elements. You will see (beginning with the 'third ~~position~~ position pattern' just examined) that the 'behaviour' of the side elements is quite different from the behaviour of the extremes and the anti-extremes (the same thing happens with the elements of the bacterial cell. As a matter of fact, I reached the happy end of a very critical period of my research , keeping an eye on the Zodiac and the other one on ~~the~~ François Jacob's La logique du vivant).

Even if the extremes and anti-extremes of the space serie and of the motion serie don't coincide, they are connected by the jump made by the motion serie elements to reach the third position.

3)

There is also a simple (perhaps too simple) mathematical explanation of the third position jump of the extremes. If we use the Arabic numbers for both series, without changing the Zodiacal structure, we see that numbers 12, 1, 6 and 7 are naturally connected by the same line indicated by the jump to the third position. See the figure that follows, I imagined the space serie inside the circle, and the motion serie outside:



Unfortunately I didn't find yet a similiar gimmick to explain the 60° jump of the side elements. But it will come.

BOZZA

Dear Sir,

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While the pattern of the first and second positions, as you have seen, simply follows the alphabetical sequence from top to bottom, and the reverse, in a double line, to reach the third position each element of the motion series jump and twist in a very peculiar way. ~~Evancufraidvthstvc~~ For the moment I can only show you 'how' the third position pattern comes out from the second position one, the mathematical reason of these movements is ~~xxx~~ hidden in the 'game of number one reproducing itself', ~~xx~~ which is a logic exercise of the mind so exacting that I can only indulge to it now and then.

The 'movement' of third position comes out directly from the second position (were we chess-players, I should say that 'we move the reds'). In the figure 1 you see how alpha and omega, and their opposites E and F, reach the third position. Alpha jumps from the fifth spatial element to the fifth; omega from the fourth to the twelfth. With two movements parallel and contrariwise (Newton's law of forces in motion), F jumps from its 'red' position in the eleventh space element to the sixth element, and E from the tenth element space element to the seventh.

October 30th 1973

Mr. F.B. Drake
Cornell University
Space Sciences Building
ITHACA N.Y.

Dear Mr. Drake,

Here is the third and last group of my papers, concerning the exagonal inner structure of the Zodiac. I debated with myself whether to tell you something about the 'game of twelve' or not, and I decided to let it aside for the moment. Perhaps because writing you these long letters nearly exhausted me.

To explain the exagonal structure I had to make a point clear: in the Zodiac, everything that is 'positive' in a space element, becomes 'negative' in the opposite space element. For instance, in space element number 3 we find the first position of L and the second position of A. We shall say that L and A are 'positive' in the third position, and they will become 'negative' in space element number 9 (opposite to 3). In the figure, the negative letters have a green colour.

If we consider only the first two positions and their negative reflexes, each space element appears like a box containing four elements: in fact, a square.

Thanks to the third position, a strange phenomenon happens: as if a spinning force compresses the space elements (taken in two groups of six) and pushes three of these elements downside, and three upside. In these groups of three-by-three, there is always a positive letter of the first space element of the row which slides at the upper end of the following space element, while the corresponding negative letter slides at the bottom of the following space element. The third element of the group is again connected with the first, forming a prism. Each element is so transformed in an exagon, with the exception of the space elements containing the extremes and the anti-extremes motion elements, which become pentagons.

2)

I hope that, seen in the figure, this phenomenon will be more clear than explained by words.

I am sure that the exagonal-prismatic inner structure of the Zodiac is very important. It suggests something like the reflexes of the four-dimensional megacube. But I can only catch a glimpse of these possibilities in the thick fog of my ignorance.

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I am nos waiting for a very normal 'ne'; or for an almost unbelievable 'yes'. In any case, it was a pleasure to write to you.

With my best wishes I am yours

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October 31st 1973

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ITHACA N.Y.

Dear Sir,

I beg your pardon for this last letter which, I promise, will be the last. But I realized, as an afterthought, that in all the drawings I sent you it was impossible to find a connection with the true Zodiac. Here enclosed you will find the xeroopies of some of the illustrations of a book I published last year, and that was my 'adieu' to traditional astrology. You will see that what I called 'the motion serie' is in fact the planetary serie, considered in the true succession of the orbits. But please remember that the astrological planets are symbols, nothing to do with astronomy (at least for the moment).

There is another reason for my writing this letter. In these last months, all the mass media seem to put your name under my eyes. This morning is the turn of the Italian magazine Tempo, where they discuss your attempts to receive space radio-signals and your project Ozma. Perhaps, from this point of view, the pp planetary rythms I speak about (xeroopies of page # 349 and 350) may interest. . In any case, believe it or not, I am a great expert of space-transmissions. Just try me.

With my best wishes

Lisa Morpurgo
Lanzone 5
20123 MILANO
Italy

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October 11, 1973

Miss Lisa Morpurgo
Via Lanzone 5
20123 Milano
ITALY

Dear Miss Morpurgo:

Thank you for your letter. We must always keep an open mind because occasionally a great discovery has been made in an unusual way and by an unusual person. So if you wish, please send me a few of your papers to look at. However, I probably should warn you to be prepared to be disappointed. I receive many clever papers to look at, but only rarely are the ideas in them good.

Sincerely yours,



F.D. Drake

FDD/jn

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November 26, 1973

Mrs. Lisa Morpurgo
Lanzone 5
20123 MILANO (Italy)

Dear Mrs. Morpurgo:

Thank you for the copies of your work which you present in a very detailed, systematic, and concise way. You have obviously given much thought to these matters, and are very intelligent. Despite all this, I am not able to understand the purpose of all the patterns which you discern in the zodiac. One can indeed find a number of interesting geometrical manipulations given a twelve-pointed star, but I do not see that they lead to a clear-cut connection to any known or previously unknown fact. For example, I see no relationship to the arrangement of the solar system at all.

An objection to the type of analysis you make is that interesting manipulations can be found with any complex geometrical figure, whether intended or not. A similar situation occurs with the works of William Shakespeare, where if one is clever enough one seems to find code messages in his texts. It is just that given so much freedom, it is possible to find something intriguing, improbable to happen by chance. But given so many chances, something improbable will occur. You have to show that some apparently striking result is remarkably improbable. I don't see this in your work.

Nevertheless, I am impressed with the intellectual skills you have applied to your ideas. Perhaps someone else will recognize something profound in the results.

Sincerely yours,



F.D. Drake

FDD:pjm

Milan, December 4th 1973

Dear Mr. Drake,

thank you for your letter of December 26th, which is less than I hoped but far more than I expected. I should now say once more ^{well} grateful I am, and make myself scarce for ever.

Before doing that, anyway, I think that some of your objection deserve an answer, even if short and academic.

You ask me to show that some apparently striking result is remarkably improbable. I can tell you that I began my research exactly at this point. The improbable result I found was not a theoretical, but a practical, one. Putting my hands on the Zodiac for the first time, some seven years ago, I discovered, after a lot of checking and re-checking, that it worked. I mean, astrology works. Imperfectly, incompletely (thanks God) , but it works.

This discovery upsetted me. I was, and I am, rational. I refused to accept the fact that such a ridiculous gadget, born in times of 'magic' superstition, could give me a fairly good percentage of correct answers. After a long fight against the evidence of what I was seeing, I thought that saying 'no' and forgetting about it, just out of spite and in the name of the Goddess Reason, was stupid and, indeed, irrational. We can't close our eyes ^{simply} just because it is more easy, and more convenient, to do so. On this basis, I began to decode the Zodiac. An here lays the difficulty of making myself understood.

First of all because nobody , but NOBODY at a ceartin scientific level will ever accept that astrology may be taken seriously. Then, because the collateral proofs I am collecting are to be found in literature, philosophy , psychanalysis and so on; and, at least for the moment, I only contacted (briefly, alas) a biologist who despised mathematics, ^{and} a mathematician who ignored biochemistry, and neither remembered having read Homerus or Leibniz or Rainer Maria Rilke, or Freud. Last but not least, what lays beyond the Zodiac is so terrifying (even if fasci=

(Fr. Brake, December 6th)

odds of an eclipse occurring or not, but you can only say when the eclipse will occur.

The idea of applying this rule to everything is unpleasant. Very unpleasant. And if man built up, through ages, a strong censorship against it, no wonder. But here, at least in my opinion, lays the possibility of the beyond Copernic revolution. To make any big jump ahead, science was always compelled to accept some unpleasant discovery, like the no-geocentricity of the solar system or the second principle of the thermodynamic. Trying to avoid this kind of discoveries is probably the best method to keep anthropocentric hopes alive, and we are still anthropocentric minded.

There is certainly no relationship, to an astronomer's eye, between the Zodiac and the solar system. The Zodiac doesn't describe what the solar system is, but how it works. And I am afraid it works more or less like the bacterial cell.

You are perhaps too optimistical supposing that someone else will be interested in what I am doing. In all this mess, the only thing I am absolutely sure of, is that I know how Cassandra felt when she tried to be heard on the walls of Troy.

Nevertheless, I will now begin the search for another of my invisible correspondents. Very sincerely, and even putting aside my Zodiacal interests, I regret to write to you this letter as my last one. I was fascinated by the idea of corresponding with an Elizabethian pirate living in Ulysses' land. And you have been so kind with me. What can I do for you? If ever you will visit such a forlorn town as Milan, please come and have a lunch with me. I am a fairly good cook, you can believe me at least on this point.

With my best wishes for Christmas and for a very happy 1974
I am

Sincerely yours

(Lisa Morpurgo)

Lanzone 5
20123 Milano

I was tempted to put all my papers on fire.

So perhaps your answer was a sound one and all's well that ends well. Let us forget about it, even if I think it is a pity to stop abruptly any correspondance with a charming man named from an Elizabethian pirate and living in Ulysses's town.

This is the problem I have still to face : you have been so kind with me, and what can I do for you? I will send you the French translation of my first novel, with the hope that you shall forgive my Zodiacal papers, and remember my name.

If you will ever visit such a forlorn city like Milan, please come and have lunch with me. I am a fairly good cook and I am sure you like curry.

I wish you a very happy Christmas and a happier new year.

Sincerely yours

Lisa Morpurgo
Via Lanzone 5
20123 MILANO

nating) that man ^{has} built up, though the ages, a strong
censorship against it, and no wonder. In spite of Copernicus,
humanity is still anthropocentric minded, and it is almost
impossible to accept the fact that the Zodiac is an out-of-
space message of the past.

in my worst moments I can rely on my sense of humor? and
Never mind, let us forget about it. I don't want to look
like a nuisance. You were so kind with me, and spent so much
of your valuable time to look at my useless papers. What can
I do for you? Will you ever come to such a forlorn city like
Milan?

even if it is a pity to stop abruptly any correspondence
with a charming man named from an Elizabethian pirate and
living in Ulysses' town. This is the problem I have still to
face : you have been so kind with me, and what can I do
for you? If you will ever visit such a forlorn city like
Milan, please come and have a lunch with me. I am a fairly
good cook and I am ~~fairly~~ sure you like curry.

bozza

Milan, Decembre 4th 1973

Dear Mr. Drake,

thank you for your letter of December 26th, which is less than I hoped, but far more than I expected. I should now say once more how grateful I am, and make myself scarce for ever.

Before doing that, anyway, I think that some of your objections deserve a short answer.

Of course, given a twelve-pointed star, you can do all sorts of manipulations. So much I knew. But I should like to make clear the fact that I am not a puzzle-crazy, leisurely retired Lewis Carroll of sorts. My freedom is very limited. I am editor-in-chief of an average publishing house, I wrote two novels and a book on astrology in the last five years; nothing to be proud of,

Milan, December 4th 1973

Dear Mr. Drake,

thank you for your letter of December 26th, which is less than I hoped, but far more than I expected. I should now tell you once more how grateful I am, and make myself scarce for ever.

Before doing that, anyway, I think that some of your objections deserve a short answer.

Of course, given a twelve-pointed star, you can do all sorts of manipulations. So much I knew. But I should like to make clear the point that I am not a puzzle-crazy, leisurely retired Lewis Carroll of sorts. I would never try to find code-messages in Shakespeare's works, but I was driven to decode the Zodiac for reasons that it is obviously useless to explain.

You ask me to show that some apparently striking result is remarkably improbable. I can tell you that I began my research exactly at this point. The improbable result I found was not a theoretical, but a practical one. Putting my hands on the Zodiac for the first time, some seven years ago, I discovered, after a lot of checking and re-checking, that it worked. I mean, astrology works. Imperfectly, incompletely (thanks God) but it works.

This discovery upsetted me. I was, and I am, rational. I refused to accept the fact that such a ridiculous gadget, born in times of 'magic' superstition, could give me a fairly good percentage of correct answers. After a long fight against the evidence of what I was seeing, I thought that saying 'no' and forgetting about it, just out of spite and in the name of the Goddess Reason, was stupid and, indeed, irrational. We can't close our eyes simply because it is more easy, or more convenient, to do so. On this basis, I began to decode the Zodiac.

And here lays the difficulty of making myself understood. Because nobody at a certain scientific level will ever accept that astrology may be taken ~~ser~~ seriously. And then, because the collateral proofs I am collecting are to be found in literature, philosophy, psychanlysis and so on; and I contactec (briefly, of course) biologists who despised mathematics, or mathematicians who ignored biochemistry, and nobody remembered having read Homerus or Leibniz or Rainer Maria Rilke or Freud. Last but not least, what lays beyond the Zodiac is so terrifying (even if fascinating), that man has built up, through ages, a strong censorship against it, and no wonder. Many times

Dear Mr D ake,

thank you for your letter of November 26th, which is less than I hoped but far more than I expected. At this point, I should thank you once more, and disappear. Before doing that, anyway, I feel that certain of your objections deserve to be discussed. When you tell me that some apparently striking result I have to show that some apparently striking result is remarkably improbable, I can tell you that I began my research exactly from this point. It was not a theoretical result, but a practical one. Putting my hands for the first time on the Zodiac for the first time, some seven year ago, I discovered, after a lot of checking and re-checking, that it worked. I mean, astrology works. Imperfectly, incompletely (thanks God) but it works. This discovery upset me. I was (and I am) rational. I couldn't accept the fact that such a ridiculous gadget, born in times of 'magic' superstition, gave me a fairly good percentage of correct answers. After a long fight against the evidence of what I was seeing, I thought that saying 'no' and forget about it, just out of spite and in the name of the Goddess Reason, was stupid, and irrational. We can't close our eyes just because it is more easy, and more convenient, to do so. On this basis, I began to decode the Zodiac. Seen as the manipulation of a complex geometrical figure, as you saw it, this decoding my look, of course, purposeless. And here lays the difficulty of making myself understood. First of all because nobody, nobody would accept it at a certain scientific level would accept the fact that astrology works. Then, because the proofs I am collecting are ranged not only among mathematical or biochemical patterns, but among works of philosophy, literature and so on. And therefore to see the connections between such a wide group of phenomenons, somebody should have at least some knowledge not only of science but even know something about science, and you should be interested not only in science, but in the connections between such a wide group of phenomenons you should know not only the DNA pattern and perhaps a greatest knowledge of Homerus, and Aristophanes, and Shakespeare, and Leibniz, and Rainer Maria Rilke, and Freud...

December 6th 1973

Mr. F.D. Drake
Cornell University
Space Sciences Building
ITHACA, N.Y. 14850

Dear Mr. Drake,

thank you for your letter and for your very kind words. I should now tell you once more how grateful I am, and myself scarce for ever.

Before doing so, anyway, I should like to answer to some of your objections. You tell me that I should show that some apparently striking result is remarkably improbable. My research began exactly when I found such a result. Putting my hands on the Zodiac, years ago, I discovered, after a lot of checking and re-checking, that it worked. I mean, astrology works.

This discovery upset me, but after a long fight against the evidence of what I was seeing, I decided that saying no and forgetting about it, just out of spite, was indeed irrational. On this basis, I began to decode the Zodiac (with far less freedom than you suppose: I have a nice job in a publishing house and a lot of interests). Doing so, I discovered that not any manipulation with the two twelve-series of the Zodiac is possible; on the contrary, the Zodiacal pattern in itself is unique, and probably allows only 64 variations both in the clockwise and anti-clockwise solution (I have still to calculate that, and I am not a mathematician). In over words, I discovered that the striking improbable element was the only possible one.

I know that any scientist of our times will immediately refuse to accept this hypothesis. Scientists rely upon the laws of chance. Zodiac at hand, I don't agree, and am afraid that we should say about the laws of chance what St. Paul said about marriage: it is the lesser among two ills. In a world of half-known facts, to calculate the odds is better than not calculating at all. But when you have a complete knowledge of all the concurrent elements of a phenomenon, the laws of chance are blown up into thin air. For instance, you cannot calculate the

%

Mr. F.D. Drake
Space Science Building
Cornell University
ITHACA , N.Y. 14850

January 21st 1974

Dear Mr. Drake,

your letter was the nicest surprise of this beginning 1974. I didn't expect it at all, and I am deeply moved by your concern about my eventual discouragement. As a matter of fact, I reacted making a big jump ahead in my research.

If you didn't see profound consequences in my analysis of the Zodiac, the fault is only mine. I had three different ways to expose my 'discoveries'. The first was to outline the Zodiacal pattern; the second was to approach the same pattern through biochemistry; the third was to speak in terms of pure logical mathematics. I choosed the first method with you, and I was wrong.

To try the biochemistry approach, I need a biologist with a highly speculative mind, and, following the advice of a friend here, I wrote last week to Mr. J. Lederberg at Stanford.

The logical mathematical field is where I made the most stabbling progress, and I am now preparing some papers that I shall send to Sir Fred Hoyle at Cambridge. I was debating with myself wheter I had to send a copy of the same papers to you, or no; I thought that I owed to you a more clear explanation of what I am doing, and, at the same time, I didn't want to become a nuisance. Your kind letter solved the problem. I shall send you a copy of the 'dynamic approach to mathematics' in ten days or so.

I know that I am choosing very important targets when I write to Mr. Lederberg, or to Sir Fred, or to you; but I learned throught trial and error, that scientist at a lower level can only catch a glimpse of my research. What I try to say is simple enough, but it needs a particular switch of the mind: like putting yourself on the right wave-length. The Zodiac is like Poe's purloined letter: the obvious answer, but you have to think about it.

I don't know what kind of answer, if any, I will get from Mr. Lederberg and from Sir Fred. Anyway, as my methods to calculate chances are far different from yours, I am fairly sure that I shall meet you, sometime, somewhere. Call it a feeling, if you want. It is certainly a hope.

Yours sincerely

Lisa Morpurgo
Lanzone 5
MILANO 20123

Lisa Morpurgo

January 21st 1974

Dear Mr. Drake,

your letter has been the nicest surprise of this beginning 1974. I didn't expect it at all; more than once I scolded myself for having sent my last message, too outspoken, and with a what-the-hell matter- of factness which usually is my first reaction to a disappointment. The second one is making a big jump ahead in my researches, and that is what I did in December, with a great intellectual effort and with a proportional success.

If you didn't see profound consequences in my analysis of the Zodiac, the fault is only mine. At this point of my research, I have three different ways to expose my 'discoveries'. The first, is to outline the Zodiacal pattern; the second is to approach the same pattern through biochemistry; the third is to speak in terms of pure logical mathematics.

I choosed the first method with you, and I was certainly wrong. To try the biochemistry approach, I need a biologist with an highly speculative mind, and, following the advice of a friend here, I wrote last week to Mr. J. Lederberg at Stanford.

The logical mathematical field is where I made the more startling progress, and I am now preparing some papers that I shall send to Sir Fred Hoyle at Cambridge. I was debating with myself whether I had to send a copy of the same papers to you, or not; I thought that I owed to you a more clear explanation of what I am doing, and, at the same time, I didn't want to become a nuisance. Your kind letter solved the problem. I shall send you a copy of the 'dynamic approach to mathematics' in ten days or so. This time, as you will see, my starting point will be simply the number one and Newton's law of two opposite forces in movement. When I was five years old (I remember the detail quite well) I wondered why $1x1$ was still 1; and all the family laughed at me. Many years after, I am confronted with the same problem, but I perhaps found the way to solve it. It is only a matter of doubling or halving. The complete numeral series, with all the odd and even numbers in their usual sequence, is the result of all the odd numbers divided by 2 ($1 = 2/2$, $2 = 4/2$, $3 = 6/2$, and so on). Any mathematical series is the effect of a Motion + Space operation (= Time). To make a three-dimensional world (as ours) possible, we need a double range of 6 (= 12). But I don't want to anticipate what you will read in my letter to Sir Fred.

I know that I choose very important targets, but I learned , by trial and error, that scientists at a lower level can only catch a glimpse of what I am trying to explain. What I say is simple enough, but it needs a particular switch of the mind. Like putting yourself on the right wave-length.

I don't know what kind of answer, if any, I shall get from Mr. Lederberg or from Sir Fred. But, as my methods to calculate chances are very different from yours, I am fairly sure that I shall meet you, somewhere, sometime. Call it a feeling, if you like. It is certainly a hope.

Sincerely yours

Wise

January 21st 1974

Dear Mr. Drake,

your letter was the nicest surprise of this beginning 1974. I didn't expect it at all; I even scolded myself for having sent you my last message, too outspoken perhaps, and with a what-the-hell matter-of-factness which is my usual reaction to this kind of disappointments. This first reaction, I mean. The second one is to find another way to make myself understood, and that is what I did in December, with a great intellectual effort and with a proportional success.

At this point of my research, I have three different methods to expose my 'discoveries'. The first is to outline the Zodiacal pattern; the second is to approach the same pattern through biochemistry; the third is to speak in terms of pure logical mathematics.

I choosed the first method with you, and I was wrong, because nobody will ever accept the importance of the Zodiac at face-value, I mean, nobody is ready, for the moment, to consider the Zodiac as a serious scientific document.

To try the biochemistry approach, I need a biologist with an highly speculative mind, and, following the advice of a friend biologist here, I wrote last week to Mr. J. Lederberg at Stanford.

The logical mathematical field is where I made the more important progress last month, and I am now preparing some papers that I shall send to Sir Fred Hoyle at Cambridge. I was debating with myself whether I had to send a copy of the same papers to you; I thought that I owed to you a more clear explanation of the Zodiacal suggestions; but, on the other side, I didn't want to become a nuisance. Your kind letter solved the problem. I shall send you a copy of the papers, probably in ten days or so.

I am very moved by your concern about my eventual discouragement. As you can see, I am a good loser, partly because my sense of humour helps me, partly because I know that I shall win at the end. I am not so intelligent as you suppose, but I am helped but this marvelous instrument called the Zodiac. I simply follow the instructions, with a great deal of mental effort, that's sure, but the instructions are there, all the same. It is like finding radioactivity when you have a Geiger-counter in your pocket.

I know that writing to such important persons as Lederberg, Hoyle or myself may look preposterous, but I learned, by trial and error, that scientists at a lower level can only catch a glimpse of what I am trying to say. As a matter of fact, what I say is very simple, but it needs a particular switch of the mind; and it needs forgetting some mental taboos. A person interested in outer-space life, like you, may start with a good advantage.

I don't know what kind of answer, if any, I shall get from Mr. Lederberg or from Sir Fred Hoyle. But I am fairly sure that I shall meet you, somewhere, sometime. Call it a feeling. It is certainly a hope.

Sincerely yours

Lisa Morpurgo

Lisa Morpurgo
Lanzone 5 = 20123 MILANO

January 22nd 1974

Dear Mr. Drake,

your letter has been one of the nicest surprises of my life. I am deeply moved by your concern about my discouragement. If you didn't see profound consequences in the Zodiac, the fault is only mine. Nobody is yet prepared to accept the Zodiac as something worth consideration from a scientific point of view. The approach should be different. I am now trying to expose the Zodiacal pattern through biochemistry, and in terms of mathematical logic. As a matter of fact, I worked hard in December and made some progress.

In the meantime, I choosed my next invisible correspondents : Mr. Joshua Lederberg for the biochemistry approach, & Sir Fred Hoyle for the mathematical. I know that I am looking at the top, as I did with you, but I learned little by little that to understand what I am discovering a highly speculative mind is needed. Not because I am so intelligent as you suppose (I am probably far less intelligent) but because the Zodiac is such a breath-taking gadget that it requires a particular switch of the mind, like putting yourself on the right wave-length. Do you remember Poe's purloined letter? Just under our noses, in the more obvious place, you have the most obvious answer. But we have to think about it.

My progresses were made in the mathematical field. I am starting very simply from number one and Newton law of to opposite forces in movement, and following a very logical process I will reach at the end the complete and unavoidable pattern-of-twelve of the Zodiac . I am still far from the end, alas, but even the beginning may be interesting. I was just debating with myself whether I had to send you a copy of my Lederberg-Hoyle papers, or not. I owed to you a more clear explanation of my ideas, and on the other side ~~as~~ I didn't want to become a nuisance. Your kind letter solved the problem. I will send some pages in ten days or so.

A pity fo the lunch. Anyway, as my methods to calculate chances are far different from yours, I am sure that I shall meet you, somewhere, sometime. Call it a feeling, if you like. It is certainly a hope for me.

Yours sincerely
Lia Morpurgo

Lia Morpurgo
Lanzone 5
20123 Milano
(Italy)

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January 14, 1974

Mrs. Lisa Morpurgo
Lanzone 5
20123 Milano
ITALY

Dear Mrs. Morpurgo:

Thank you for your kind letter of December 6. Let me say again that I am very impressed with the intellectual effort that you have brought to bear on the problems of the Zodiac, which you find interesting. The fact that I do not yet see profound consequences does not of course mean that such consequences are not there. Perhaps they are simply too profound for me. So please do not allow me to be discouraging. Thank you for your kind invitation to lunch, which I am sure would be delightful. However, I must say that I have never been in Milan in my life and so the chances of this happening are quite small indeed.

Sincerely yours,



F.D. Drake

FDD/jn

February 7th 1974

MR. F.D. Drake
Cornell University
Ithaca, N.Y. 14850

Dear Mr. Drake,

here enclosed is the new chapter of the Game of twelve. I wonder whether you will find something interesting in it, or not. Perhaps it looks to you like a childish puzzle, and at this point I should say that it was probably intended to be so. What the Zodiac's message reveals isn't childish at all, but the marking points of the code are arranged in such a way as to be understood by a child's mind. I suppose this is the right way to catch the attention of persons unknown, and, if I remember well, you did and are still doing something of the kind when you send messages into the space.

The Zodiac's opinion of a child's mind is, alas for me, too high. But when you begin to know all the inner ropes of the message, it is like looking through a window open on a new dimension of the intellect: such an elating experience is enough to justify the apparently insane efforts I am doing to make myself understood.

The code is a passkey which opens all sort of doors, closed or supposed so. You can't imagine, for instance, how revealing may be Sigmund Freud revisited with this passkey in your hands; far more revealing than he thought himself to be.

I didn't write to Sir Fred Hoyle last week, a sudden discouragement or something on the line. I am sending to him now the two chapters together, without speaking of the Zodiac at all. A shot in the dark, and why not? I like detective novels very much.

I shall stop again now the cascade of papers sent to you, and wait for a comment. If you want me to disappear, just say so

Yours sincerely

Lisa Morpurgo
Lanzone 5
20123 MILANO
(Italy)

Sils Maria, January 29th 1974

Dear Mr. Drake,

here enclosed you will find my new papers, almost brand new in spite of the ~~new~~ title.

I am dismantling the Zodiac, piece by piece, to prove that its pattern is compulsory, and not one out of many. It is a terrible strain, even if the code instructions are of great help. To reconstruct the complete pattern (which you have in your hands) starting from One and from a space-time-numbers combination, I have a long way to go. It is like re-inventing mathematics from bottom to top, and often the language (not only English, but even my own) is not adequate.

I hope you like mathematics very much; I mean, not only the mathematics you daily use, but the true thing. Perhaps the Zodiac will guide me to the solution of the old Leibniz-Husserl problem, the difference between the numbers as a tool of calculation and the numbers as a logical something. I think that I know the answer, at least I feel it, it is too marvelous and terrifying to be put into words. I remember quite well that I was five years old when I caught the first glimpse of it. The rest came many years later, and God knows when I shall find the mental strenght to see more clearly. Perhaps I shall die in the process, that wouldn't surprise me.

To avoid the worst, I am now resting for a week on the Alps with some friends. By the way, I always forgot to thank you for having sent a copy of your second letter to Mrs. Gordey in Paris. Once more you have been so kind.

Sincerely yours

Lisa Morpurgo
Lanzone 5
20123 MILANO

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January 9, 1975

Ms. Lisa Morpurgo
Lanzone 5
20123 Milano
Italy

Dear Ms. Morpurgo:


Yes, of course I remember your very challenging exercises in numerology and astrology. I wish I were smart enough to follow them. In fact, I think that the problem with having others understand them is that your thinking was very complex and advanced, and one could not follow it without putting in more time and study than any of us have available. I hope someday someone does have the time to work through your material.

I am glad to hear that you have written a successful science fiction novel; I wonder if we will get to see it here in the U. S. I would be interested to see what your clever mind would produce in the field of fiction.

Your powers of prediction are so far not perfect; I still have never been to Milan and see no prospects for visiting there.

Best wishes for the New Year.

Sincerely yours,


F. D. Drake

Dear Sir,

I am following an uncommon mathematical path, and I wonder if you could be interested in it.

Even if unusual, the special approach to mathematics that I am trying to organize in a logical way is not completely new, at least as the main idea is concerned. Leibniz caught a glimpse of it, and Husserl tried to develop some of Leibniz intuitions, missing the bull's eye. I suppose that, before Einstein, hitting the target was out of question.

Trying to expose my mental processes is very difficult, not only in a foreign language, but even in my own. When I was five years old, I wondered why 1×1 was still one. And why any given number $x 1$ was still itself. At fifty, I am still confronted by the same problem, but I perhaps found the way to solve it. As a matter of fact, I began to write a little book with the tentative title of 'The game of twelve'. The choice of the number twelve as the key number of the analysis is explained during the analysis' development. The few friends who looked at the first pages of my work told me that you are among one of the very few persons who may appreciate what I am doing. Which, I am afraid, is flattering only for me.

Very roughly, the main idea is that the series of numbers, which we usually use and consider, is not a continuum, but runs on two parallel rails. The mysterious number one becomes a number only when it originates the number two; in other words, when it becomes a force which, following Newton's law of the opposite forces in movement, provokes an equal and opposite force, called two. The approach to mathematics that I am trying to outline is dynamic; any series of numbers cannot exist without movement and, for this same fact, cannot exist outside time. On the other side, time is the unavoidable product of a mathematical process of a One doubling itself in a one-two. (or halving itself in two parts)

Dear Mr. Drake,

your letter was the nicest surprise of this beginning 1974. I didn't expect it at all; I even scolded myself for having sent you my last message, too outspoken perhaps, and with a what-the-hell matter-of-factness which is my usual reaction to this kind of disappointments. This first reaction, I mean. The second one is to find another way to make myself understood, and that is what I did in December, with a great intellectual effort and with a proportional success.

At this point of my research, I have three different methods to expose my 'discoveries'. The first is to outline the Zodiacal pattern; the second is to approach the same pattern through biochemistry; the third is to speak in terms of pure logical mathematics.

I choosed the first method with you, and I was wrong, because nobody will ever accept the importance of the Zodiac at face-value, I mean, nobody is ready, for the moment, to consider the Zodiac as a serious scientific document.

To try the biochemistry approach, I need a biologist with an highly speculative mind, and, following the advice of a friend biologist here, I wrote last week to Mr. J. Lederberg at Stanford.

The logical mathematical field is where I made the more important progress last month, and I am now preparing some papers that I shall send to Sir Fred Hoyle at Cambridge. I was debating with myself whether I had to send a copy of the same papers to you; I thought that I owed to you a more clear explanation of the Zodiacal suggestions; but, on the other side, I didn't want to become a nuisance. Your kind letter solved the problem. I shall send you a copy of the papers, probably in ten days or so.

I am very moved by your concern about my eventual discouragement. As you can see, I am good loser, partly because my sense of humour helps me, partly because I know that I shall win at the end. I am not so intelligent as you suppose, but I am helped but this marvelous instrument called the Zodiac. I simply follow the instructions, with a great deal of mental effort, that's sure, but the instructions are there, all the same. It is like finding radioactivity when you have a Geiger-counter in your pocket.

I know that writing to such important persons as Lederberg, Hoyle or rouself may look preposterous, but I learned, by trial and error, that scientists at a lower level can only catch a glimpse of what I am trying to say. As a matter of fact, what I say is very simple, but it needs a particular switch of the mind; and it needs forgetting some mental taboos. A person interested in outer-space life, like you, may start with a good advantage.

I don't know what kind of answer, if any, I shall get from Mr. Lederberg or from Sir Fred Hoyle. But I am fairly sure that I shall meet you, somewhere, sometime. Call it a feeling. It is certainly a hope.

Sincerely yours

Lisa Morpurgo
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