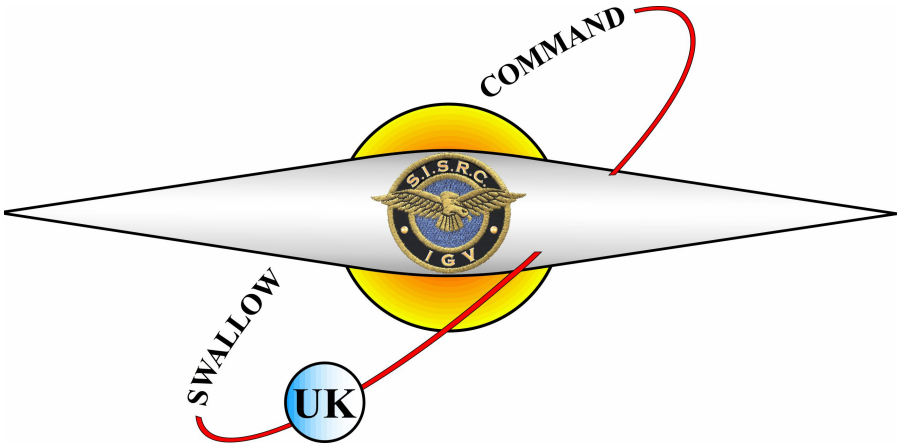
PART 7.



SEARL NATIONAL SPACE RESEARCH CONSORTIUM UK.

DATE: 1ST JANUARY 1974.

VOL.1. SECTION 7.

MANNED FLIGHT DIVISION:

FACTS CERTIFIED ON STARSHIP EZEKIEL AT THIS DATE:

As the inventor and head of **SPACE PROJECT SWALLOW**, it is my duty to notify my investors as to the outcome of research and study on the project called **STARSHIP EZEKIEL**.

As each report is issued you notice that some statements have changed, not because we found fault with the views issued before, but that research has made available a much better material or piece of equipment or method of putting together the whole or part of the craft etc.

On top of this comes the fact that many discussions are held during each year not only with our team members and shareholders but with the manufacturers themselves and the good will that now exists between them and myself is such that its hard for the outsider to appreciate what this means to this project in the term of the whole project.

It is clear from the public letters received many are still in the dark as to what is involved. There exists an idea that all one does is making a model and fly before the public and that's it.

But business is different. Many questions exist, materials, tooling are just a minute problem but one that could say sorry we are not interested in your craft we can not stand the cost of tooling in making the change from our present production lines.

As an inventor you must study all these points.

What are the points to which you must as the investor have to answer too when you approach industry to take your project up on a business line.

STARSHIP EZEKIEL is indeed a new line of thinking in the business world. At a glance: not suitable for present day technology of manufacturing. At least first impression creates this view. Then what am I doing about it?

Everything: that the small amount of finance available can do.

What is involved is what you really should know for that is what tells the truth of **STARSHIP EZEKIEL**, Here are just a few things involved but very important to the success of the finished project.

1: **METHODS OF CONSTRUCTION** and its strength against cost.

We have shown you photographs of some of this work and reports plus cine films on this work undertaken in this study.

2: **TWO PHASE FLOWS.**

We have issued some of the work in this field of study.

We hope that during 1974 we shall again take up this study work of studying motion produced by a solid surface disc in a stream of fluid containing a suspension of solid particles will be under theoretical investigation.

This work will be cine filmed and slides taken of work plus results.

3: **AERODYNAMIC CHARACTERISTICS OF THE FLIGHT CELLS.**

The magnetic and electronic flow around a flight cell combination will be another subject of a detailed experimental investigation, which, it is hoped, will clarify how the magnetic force field modifies pressures on a flight cell and the disc and the overall side-force and yawing-movement characteristics.

Again we hoped to record work and results on cine film and slides.

We hope that finance will allow this work to be undertaken during 1974.

4: **WHIRLING ARM.**

The Disc is a wing, a total wing.

The whirling arm is a unique facility, which we shall use for the experimental investigation of the Disc in ground effect.

The flow in a channel will be calibrated and the force and moment characteristics of the Disc in steady motion will be measured.

We hope to complete this study and research during 1974 finance permitting.

Again cine films and slides will be taken of the work and its results.

5: **ELLIPSOIDS IN GROUND EFFECT.**

The pressure distribution on a Disc of revolution near the ground will be measured and the detailed study of the flow field around the Disc will be made.

We hope that 1974 will see this work undertaken and completed again dependent on finance available.

Cine films and slides will be taken of work development and final results.

6: MODEL SHOP.

A number of Models of the Disc's used in our study and research program will be made in wood and metal for use in wind tunnels research and study.

We hope that finance will allow this work to be completed during 1974 again cine films and slides to be taken of work progress and results.

7: TURBULENT BOUNDARY LAYER STUDIES.

The Disc creates a difference of pressure above and below its central line, when traveling within the atmosphere.

The velocity contributing terms in the fluctuating pressure field from a tunnel wall boundary layer must be determined, and the spectrum of the fluctuating pressure on the top surface of the Disc will be studied and measured,

We hope finance will allow this work to be undertaken and completed during 1974. Cine films and slides will be taken of work progress and final results.

8: LOW DENSITY SHOCK TUBES,

Shock tubes of various diameters will be constructed for the use of shock wave studies at low density.

This work will act as a fundamental study work on the Disc power system.

We hope to conduct this study work during 1974 finance permitting. Cine films and slides will be taken of work progress and results.

9: COMPRESSIBLE VORTEX STUDIES.

The rim of our Disc: Is knife-edge sharp, the angle being an acute absolute.

There is a reason for this, a very important one, and acts as a key to the success of the whole concept.

How important this is will be studied again finance permitting during 1974.

By using a knife-edge Schlieren system which is now available, which consists of light guides and photomultipliers for direct measurement of the density gradient distribution through a compressible vortex.

Again we shall take cine film and slides of work progress and results.

10: SCHLIEREN INTERFEROMETRY.

During 1974 finance permitting, a Schlieren interferometer employing Wollaston prisms will be used to visualize the flow around the Disc flame barrier when traveling at high velocity or re-entry of a planetary atmosphere. Slides and cine films will be taken of work and results.

11: TRACK-POWERED ELECTRON CUSHION VEHICLES.

Starship Ezekiel on her space mission will need vehicles of many work concepts.

Thus during 1974, again if finance permits, study work on such vehicles will commence from that of a self-propelled conveyor belts to transfer drilled materials or rocks from the surface of the planet under study to the laboratories of Starship Ezekiel where scientists will conduct their investigation and analysis of the materials.

Other vehicle, whether manned or remote controlled from Starship Ezekiel, will be subjected to all the testing the Starship Ezekiel will be subjected to.

Again slides and cine films will be taken of work progress and results.

12: PROJECT SWALLOW STUDY AS A HIGHLY MANOEUVERABLE AIRCRAFT.

The Disc concept for our space research and study as a business will also be studied as a close support aircraft as such requires good maneuverability at low speed combined with a high dash speed capability.

The **LEVITY DISC** aircraft appears to have significant performance advantages over conventional aircraft and helicopters.

Slides and cine films will be taken of work progress and results of testing of theoretical approach to the problems in the event of war.

13: DIRECTIONAL STABILITY OF OUR SLENDER DISCS.

Indirectly speaking, our Discs are extremely slender in reference to other aircraft.

The only type of aircraft that meets this style is the slender deltas,

During 1974 again if finance permits we shall carry out tests, where the experiment is aimed at developing a rig for measuring the derivatives N_V and N_r by the forced oscillation method, which has been used by others in tests of this kind.

Then using it to determine these derivatives on our disc's flight cell at the vertical (open) and landing edge separation.

Slides and cine films will be taken of work progress and results.

14: LOW DENSITY FLOWS.

During 1974 finance permitting another program of research study will be conducted, which is very important to Starship Ezekiel and in fact, to any manned carrying vehicle on a planet's surface which has no atmosphere or has a very low density.

As you can appreciate that on board Starship Ezekiel there may well be a situation where certain unwanted gasses may build up and will have to be released from the craft or vehicle into a low density atmosphere or a vacuum.

The behavior of such free jets of gasses expanding into a vacuum must be investigated

Experimentally.

Slides and cine films progress and results will be recorded.

16: **HEAT TRANSFER AT HYPERSONIC SPEEDS.**

This applies to the Disc traveling within an atmosphere or re-entry of an atmosphere.

The study work will relate to the rim of the Disc, how the heat transfer takes place.

Surface temperatures will be measured most likely be a vacuum deposited resistance thermometers and pressures with miniature Paraná gauges,

This method has been used by other aircraft research workers.

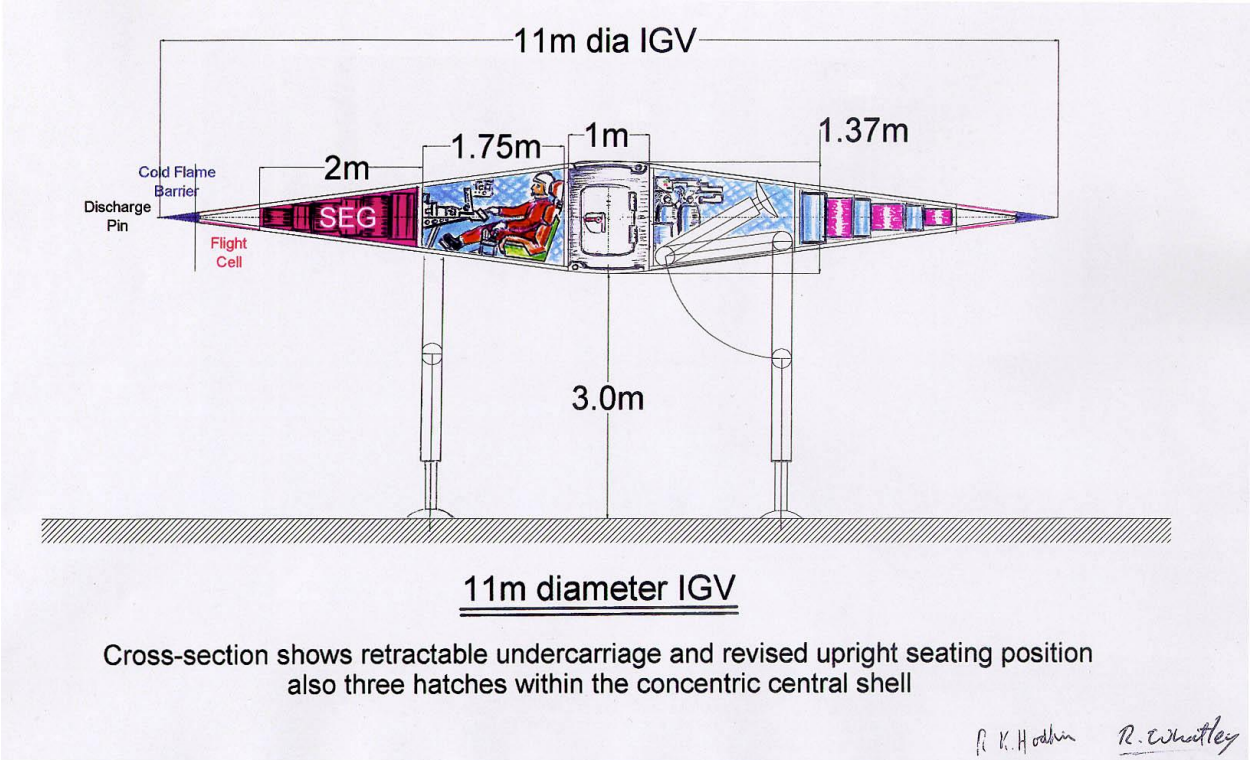
Again: slides and cine films be taken of the progress and results.

17: These are just a few examples of what's involved.

But please note that all this work will be exhibited when we eventually hold that exhibition.

The number of the heading will be the number of the stand at which this work will be exhibited.

This work also applies to the SP.1 craft which will be used at this exhibition. This will be our manned craft to appear before the public.



The model that was intended to be constructed for the end of 2003 was to be of this vehicle, but the robbery of my equipment put a halt to my plans. But talks taking place at this time may re-kindle the light and work may re-start and a model could be constructed here in the UK for evaluation purposes.

18: **WHAT DOES IT ALL MEAN?**

You have read in past issues some of the new materials to be used, but many more new products are now available to use within Starship Ezekiel total plans.

These will be discuss in the section to be headed **THE NEW INVENTIONS, RESEARCH AND STUDY ANALYSIS DIVISION.**

All such information released therein shall be part of Starship Ezekiel study for the best in business operations.

19: It means that all the details given here under the above heading will be discussed in full in later issues.

This will be headed either:

New material / new product / New approach to a problem or new equipment which can be adapted to Starship Ezekiel to be used within a planned program already existing.

20: Lets take a closer look at what it all means.

No matter what size the Disc is, it is a perfect craft of **VTOL** performance.

Power is supplied by a three-ring generator on a magnetic special design parts.

Compared with the static load weight the **VTOL** operation, the take-off weight is below 1/1000 of the total static weight.

Speed and height is open to the user.

21: Carrying out program fatigue and kinetic heating testing.

The testing and studying of the dynamic behavior of Starship Ezekiel under carriages using both Analogue and digital techniques.

Consideration is going to be given to the methods of solution of the non-linear equations encountered in this type of work.

22: Carrying out tests by experimental and theoretical determination of the buckling characteristics of carbon fibre reinforced plastics panels, and their application to the primary structure of both Starship Ezekiel and Protocraft 1 class aircraft.

23: Carrying out tests on the influence of core geometry and attachment on the compression buckling characteristics of corrugated core sandwich panels under investigation by theoretical and experimental techniques.

For the use within Starship Ezekiel already much has been released in past issues of this journal on work in this field.

24: This is just a small grain of what is meant by being an inventor of a complete new project of such size as **STARSHIP EZEKIEL.**

25: I place considerable emphasis on research.

The current research program is largely concerned with **STARSHIP EZEKIEL** with present and anticipated problems in air supply systems from a re-cycle system o waste body material.

Also includes experimental investigation in the fields of heat transfer, aerothermodynamics, applied mechanics and electric propulsion.

Research: on air pollution within Starship Ezekiel.

These are but a few items many more will be discussed in part or full in future issues of this journal.

26: On top of all this there is the legal side the Licensing such as the **INTERNATIONAL STANDARDS AND RECOMMENDED PRACTICES.**

27: This one item is great in context and only plays a small part of the whole; to this we must add our own rules of conduct and conditions to complete the whole plan.

28: It all adds up to excitement, success, future hopes for mankind as a whole, and not just to a select group.

No other project known to mankind has so much to offer in application to industry and business as a whole, for it covers everything known to mankind and beyond that knowledge.

29: We shall take a look at what **STARSHIP EZEKIEL** looks like to us as 1974 commences**.**

30: In this issue we have covered the plan based on the horizontal plan fixed value.

This specification report is the first in this complete work program.

This choice of planning is based on the fact that between the maximum and minimum deflection angles of the shells only the height differs.

The length and diameter of the sections remain fixed thus saving paper and time – cost saving.

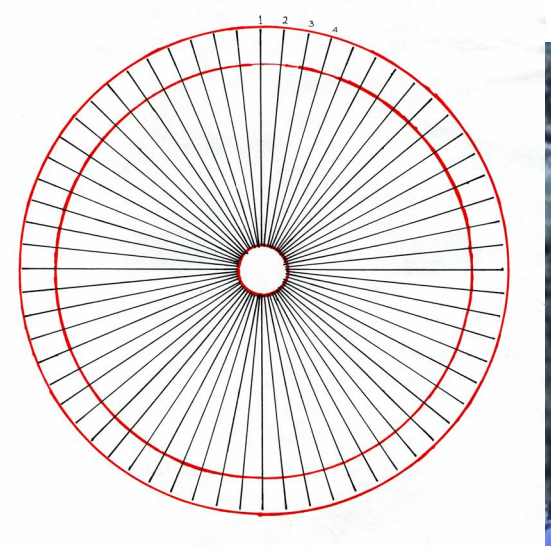
A vertical fixed plan will be issued later to show the differences involved in such method of designing.

31: Only one main point must be remembered in this plan submitted it is the fact the various widths of the sections values are taken from the centre of the strut to the centre of the next strut.

The struts and other data relating to material values will become subject matter in their own rights and will be released in other issues of this journal.

I hope to see you again in the next issue where the next stage will be discussed in full.

J. R. R. SEARL.
DIRECTOR OF CONTRACTS UK: SPACE PROJECT SWALLOW.



Starship Ezekiel limiting structural criteria showing struts (black) & power work section (red). Areas between outer and inner rings are payload area.

For those of that 500 who obtained the newsletter 7 who wrote to tell me that they had trouble to read such small type and it was too tightly packed.

Well here it is again, has been re-typed by me at a larger print and I have spaced it out. And you will notice that I have added pictures which were not possible for me to do in 1974.

32: This first report relates to a newsletter that was before I switch to writing books instead. The mass of figures attached to the report had to be folded 3 times to fit as a page you just open it out to see the mass of calculations that I undertook by long hand.

Tony Justice: working on Demo 1.

Prof. Searl lecture in Switzerland.

Barnet and Chase Farm Hospitals NHS
NHS Trust

Speciality: Cardiology
Consultant: Robert Greenbaum
Direct Line: 020 8216 5490
Fax No: 020 8441 2922
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Date: 06/08/07

Professor SEARL
5 GUILFOYLE,
BROADHEAD STRAND,
EDGWARE
NW9 5PN

07 AUG 2007

Dr RN Lipman
The Everglade Med Prac
Grahame Park Hlth Ctr
The Concourse
NW9 5XT

Dear Professor Searl

I am writing following our telephone conversation just now. As I indicated I have reviewed all the data which Dr Lipman was kind enough to send to me. Unfortunately I was not able, in spite of using a number of programmes, to review the angiogram on the CD. I was however able to look at the still frames and also the nuclear medicine scan. Looking at the still films, I certainly agree that there is some narrowing in the artery at the front of the heart thought this did not seem to me to be critical. Also although I am far from an expert in these matters, it did seem to me that the nuclear medicine scan suggested that there were important problems with the blood supply to this area of the heart.

However, clearly you are very limited by symptoms, and on this basis I think the fairest thing to do is to get you into the Royal Free for another angiogram on the basis that if there is a tight lesion in this artery, we would consider angioplasty and stenting on the day. Realistically this will take a couple of months or so. I will try and return all the date to Dr Lipman through the internal post along with a copy of this letter.

Kind regards and best wishes.

Yours sincerely

Dictated & electronically signed by
R A Greenbaum BSc(Hons) MD FRCP FESC FACC
Consultant

33:

This is the latest's news that I have in the UK upon my state of health; so I shall have to wait for a while to see what happens. Until then keep on with the good fight to create a better world for all mankind. As it may take 6 – 8 weeks before I get an appointment; therefore I have agree to travel to Israel on Saturday 18th August 2007 and check out the site to be. Today Saturday August 11th 2007 Morris departed for Thailand to check out equipment etc for the S.E.G. development to proceed.

SIR ISAAC NEWTON LAWS.

PART 7.

34: ***CONSERVATION OF MOMENTUM.***

NEWTON'S THIRD LAW.

In the parts of this book already presented to you; I have presented Sir Isaac Newton's suggestion as how to approach a problem to solve it. And I had no option but to agree with him as those issues are proven with the S.E.G. including that mock up of the S.E.G. which you have seen on the web.

35: So upon the basis of Sir Isaac Newton's second law of ***motion,*** which gives the relation between the ***acceleration*** of any body and the ***force*** acting on it, any problem in mechanics can be solved in principle.

Why do we state in principle?

Because his laws are purely suggestions; because he could not foresee how engineering would progress where new thinking would have to be developed to solve the problems.

And he was clever to see that one should not make statement that locks him in a box that he would not be able to get out of later.

36: Now since 1946 right up to this moment in time Sunday August 12th 2007 you have accepted without question what these so call experts stated that this technology is in possible because it breaks all the laws of physics.

Strange; so far there has been no indication that either the ***S.E.G***. or the ***I.G.V***. breaks any rules whatsoever. Therefore you can naturally accept that I know that they are experts but only in bullshit who can only talk out of their anus and not their brain and clearly you loved it and lapped up that stink like smelling roses in your garden.

37: Let me present an example, to determine the ***motion*** of a few particles, one can use the ***numerical method*** developed in the preceding parts of this book.

38: But there are good reasons to make a further study of Sir Isaac Newton's laws.

39: First, there are quite simple cases of ***motion*** which can be analyzed not only by ***numerical methods*****,** but also by ***direct mathematical analysis.***

40: Just for an example, although I know that the ***acceleration*** of a falling body is ***32 ft/sec^2***, and from this fact could calculate the ***motion*** by ***numerical methods,*** it is to my mind much easier and more

Satisfactory to analyze the ***motion*** and find the general solution:

$$s = s_0 + v_0 t + 16t^2.$$

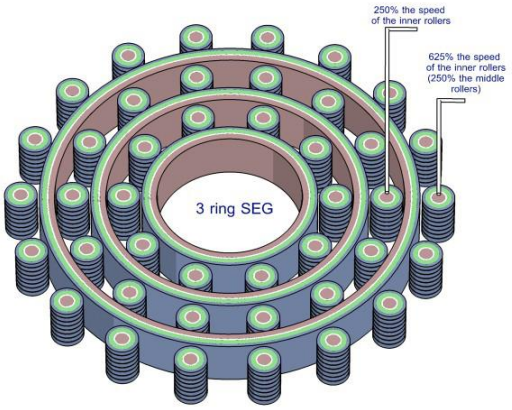
In the same way, although I can work out the ***position*** of a ***harmonic oscillator*** by ***numerical methods,*** it is also possible to show ***analytically*** that the ***general solution*** is a simple ***cosine function*** of ***t,*** and so it is unnecessary to go to all that ***arithmetical*** trouble when there is a simple and more ***accurate*** way to get the result.

41: Why on earth did I go to that trouble?

Simple – to show you: who believe them as experts – were not quite what they impressed upon your mind to be: that Searl is a strange man he lives in the world of fantasy – yes I accept that I am a strange man to those expert idiots only because I live in the world of reality while they live in the world of fantasy.

42: In the same manner, although the ***motion*** of one body around the ***Sun***, determined by ***gravitation,*** can be calculated point by point by the ***numerical methods*** of the last few parts of this book, which I have shown the ***general shape*** of the ***orbit,*** it is to my mind at least nice also to get the exact shape, which ***analysis*** reveals as a ***perfect ellipse.***

But the roller sets in the S.E.G do not create a function of an ellipse and to that question I have explained why that is so.



43: Let I make a statement that is absolutely true that to my knowledge; unfortunately, there are really very few problems which can be solved exactly by ***analysis.***

44: How do I accept the term ***ANALYSIS*** to mean?

(i): the division of a physical or abstract whole into its constituent parts to examine or determine their relationship.

(ii): a statement of the results of this.

(iii): short for ***psychoanalysis.***

Now this can be use in chemistry:

(iv): the decomposition of a substance in order to determine the kinds of constituents present (***qualitative analysis)*** or the amount of each constituent ***(quantitative analysis).***

I agree that I have no objection to these two functions being employed to solve problems.

(v): the result obtained by such a determination (remember that these results are based on the mental image which is generated from his / her investigation upon their brain of what it was or what may had taken place which has requested them to investigate the problem that exists)

What about linguistics?

(vi): which is the use of word order together with word function to express syntactic relations in a language, as opposed to the use of infections.

I have no problem to admit that this function is a big problem for me due to the fact that from the age 4 to 12 years I had no education at all to help me. What you see in my newsletters, books and on the web are the subjects actually learnt by on hands experiences since that time interval.

What about math's?

(vii): the branch of mathematics principally concerned with the properties of functions.

(viii): in the last, final, or ultimate analysis, after everything has been given due consideration:

45: Yes an odd person is keen to point out that my spelling and grammar is bad – that person should see some of the mail I get; at least I consider my self to be a gentleman and as long as I understand what they mean there is no problem for me to reply in a manner of a gentleman and make no remark about their spelling or grammar. Clearly that person is not a gentleman!

46: Let me explain that in the case of the ***harmonic oscillator,*** for example, if the ***spring force*** is not ***proportional*** to the ***displacement,*** but is something more ***complicated,*** one must fall back on the ***numerical method.***

47: Or if there are two bodies going around the ***Sun,*** so that the total number of bodies is three, then ***analysis*** can not produce a ***simple formula*** for the ***motion,*** and in ***practice*** the ***problem*** must be done ***numerically.***

48: To my mind at least that is the ***famous three-body problem,*** which so long ***challenged human power of analysis;*** It is to my mind at least interesting how long it took people to ***appreciate*** the fact that perhaps the ***powers*** of ***mathematical analysis*** were limited and it might be ***necessary*** to use the ***numerical methods.***

49: I do appreciate that today an enormous number of problems that cannot be done ***analytically*** are solved by ***numerical methods,*** and that ***old three-body problem,*** which was supposed to be difficult, is solved as a matter of routine in exactly the same manner that was described in the preceding part, namely, by doing enough ***arithmetic.***

50: The problem that I find is that people say that they know – yet clearly they have no understanding

Of what they believe they know. Where I do admit often that I do not understand some of the things which I do observe, or hear on my journey through time and how I wish I could understand these things.

51: When I apply the term arithmetic to any subject that I present in my communications what does that term mean to me?

I accept that to mean:

(i): the branch of mathematics concerned with numerical calculations, such as addition, subtraction, multiplication and division.

(ii): calculations involving numerical operations.

(iii): Knowledge of or skill in using arithmetic.

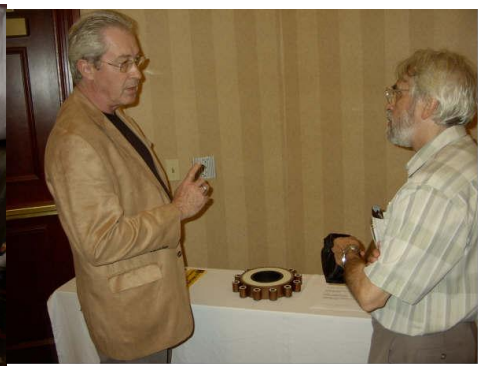
52: However, there are also situations where both methods fail which I can for one appreciate from hands on experience: the simple problems I can do by ***analysis***, and the moderately difficult problems by ***numerical, arithmetical methods,*** but the very ***complicated problems*** I cannot do by either method.

53: Just for the argument sake lets take a complicated problem which for an example, the collision of two automobiles, or even better still the ***motion*** of the ***molecules*** of a ***gas*** from which I sincerely hope will help you to understand the S.E.G. functions better.

54: ***FACT:*** there are countless particles in a ***cubic millimeter*** of ***gas***, and it would be ridiculous for me to try to make calculations with so many variables (about ***10^{17} - a hundred million billion*)**.

For the ***S.E.G***.: I can forget trying to work that out by long hand – let all these experts do that, if they can!

55: Reality: anything likes the ***motion*** of the ***molecules or atoms*** of a ***gas or block of titanium Ti 22,*** or the ***motion*** of the ***stars in a globular cluster,*** instead of just two or three ***planets going around the Sun*** and certainly not ***528 segments spinning around three plates*** such problems I cannot do directly, so I have to seek other means.


These pictures were taken at the COFE held at Washington DC late November 2006. Morris created the excitement there with one plate and 12 rollers mock up of the S.E.G. which he is creating the prototype of. On returning home he then finished it and that proof been seen on the websites.

56: Let us agree that in the situations in which I cannot follow details, I need to know some ***general properties,*** that is, ***general theorems*** or ***principles*** which are ***consequences*** of ***Sir Isaac Newton's Laws.***

57: To my acceptable understanding that one of these is the ***principle of conservation of energy***, which sounds sweet to my mid, but I am afraid to say that will be discussed in more details much later in this book.

58: But bless Sir Isaac Newton he bravely gave me another option termed the ***principle of conservation of momentum,*** which shall be the subject of the next part of this book.

59: There is another reason why I am studying ***mechanics*** further is that there are certain patterns of ***motion*** they are repeated in many different circumstances, so to my mind it is good to study these ***patterns*** in ***one particular circumstance.***

60: Let I take for an example; if I study collisions; different kinds of collisions have much in common.

61: Now let me look at the flow of fluid which Starship Explorer will certainly carry on space missions.

To my mind, it does not make much difference what the fluid is, the laws of the flow are similar.

62: Note: that this is not the only ***problem*** before me there are other ***problems*** that I shall study are ***vibrations*** and ***oscillations*** and, in ***particular***, the ***peculiar phenomena of mechanical waves-sound-vibrations of rods,*** and so on.

63: By now any new comer to my writings will understand my opinion in relation to this discussion of ***Sir Isaac Newton's*** which I have explained that these laws are a kind of program that says ***"Pay attention to the forces,"*** and that ***Sir Isaac Newton*** told me only two things about the ***nature of forces.***

64: In the case of ***gravitation,*** to my knowledge he gave me the complete law of the ***force*** or more precise appears to be correct at this time – but in nature all things age and in that process things slow down. Therefore the ***possibility of the force of gravity to change over time is real***.

65: But in the case of the very ***complicated forces between atoms, Sir Isaac Newton was not aware of the right laws for the forces;*** however, he discovered one rule, ***one general property of forces,*** which is expressed in his ***Third law***, and is the ***total knowledge*** that ***Sir Isaac Newton*** had about the ***nature of forces*** – the ***law of gravitation*** and this ***principle,*** but no other details.

This principle is that ***action equals reaction.***

66: Now you may wonder what on earth he meant.

Well to my mind Sir Isaac Newton meant something of this kind;

Suppose I have two ***small bodies***, for argument sake I say particles, and let me suppose that the first one ***exerts a force*** on the ***second one*** pushing it with a certain ***force.***

67: Then simultaneously, according to ***Sir Isaac Newton's Third Law,*** the ***second particle*** will push on the ***first*** with ***equal force,*** in the ***opposite direction***; furthermore, these ***forces effectively*** act in the same line.

68: My understanding is that this is the ***hypothesis,*** or law, that ***Sir Isaac Newton proposed***, and it seems to be quite accurate, though not exact (***I shall discuss the errors later).***

69: For this argument let me take it to be true that ***action equals reaction***.

70: Of course, if there is a ***third particle*** not on same line as the other two, the law does not mean that the ***total force*** on the first one is equal to the ***force*** on the second one, since the ***third particle***, for instance, exerts is on push on each of the other two.

71: The result to my understanding is that the ***total effect*** on the first two is in some ***other direction***, and the ***forces*** on the first ***two particles*** are, in general, ***neither equal nor opposite***.

72: However, the ***forces*** on each ***particle*** as I see it can be resolved into parts, there being one ***contribution*** or part due to each other ***interacting particle.***

73: Then each pair of ***particle***s has ***corresponding components*** of ***mutual interaction*** that are ***equal in* magnitude** and ***opposite in direction***.

Give the power to the people at my lecture in Scotland.
Top photos: meeting of COFE Washington Nov 2006 USA.

74: The world problems require all of us to help to correct the problems and fast or die the choice are yours. Only if we all make an effort can the tide of events be reversed.

If you really believe that there is nothing we can do to change things you are completely wrong because we can move mountains if we are determined too and we can cut canals for water supply, we can plant forests and we can clean up the atmosphere to say impossible is crap – lazy talk!

75: **SCIENCE AND HISTORY OF MAN.**
Circa = used before date = approximate time.

Circa	Event
3,000 BC:	Babylonians measure time.
2,000 – 1,000 BC	Egypt: Pyramid Kings. Egypt: Medicine was studied. Babylonia: Code of Hammurabi. Chinese use magnetic compass.
500 BC:	Pythagoras names four elements: 1: Fire. 2: Water. 3: Earth. 4: Air. Studies geometry, musical intervals; proves famed theorem. Rise of Athenian civilization.
400 BC:	Hippocrates: Medicine. Plato: Philosophy. Democritus: Atomic theory.
350 BC:	Aristotle: Classifies animals; writes first physics textbook. Alexander reigns.
250 BC:	Archimedes: Studies lever; hydrostatics; mathematics. Euclid: Develops plane geometry. Eratosthenes: Estimates circumference of the Earth.
100 BC:	Ptolemaic theory assumes Earth to be fixed center of universe. Lucretius stresses atomic theory in De Rerum Natura. Galen systematizes medicine. Roman dictatorships.
1200 A.D:	Omar Khayyam: Persian poet and mathematician. Al Hazen (Arabia): Optics. Fall of the Roman Empire. Christianity flourishes. Middle ages. Start of town life.
1250 A.D:	Exploration: Discovery Spark Renaissance. Roger Bacon: Stresses experiment. Thomas Aquinas: Exemplifies scholastic philosophy. Petrarch (Italian): Writes poetry.
1450 A.D:	Gutenberg invents movable type.
1492 A.D:	Columbus discovers America.

1500 A.D:	Copernicus's:	De Revolutionibus Orbis Terrarum presents new view of solar system.
	Paracelsus:	weds chemistry to medicine.
	Agricola:	founds mineralogy.
	Protestant:	Reformation.
	Elizabethan period:	Shakespeare.
	Francis Bacon:	experimental method, inductive philosophy.
	Mercator:	develops map projection, ocean charts.
1502 A.D:	da Vinci:	physics: chemistry: astronomy: geology.
	Michelangelo:	sculpts David.
1600 A.D	Gilbert:	writes De Magnete.
	America:	Colonized.
	Invented:	Microscopes and telescopes.
1609:	Galileo:	confirms Copernican theory.
	Kepler's:	Optics, laws of planetary motion.
1630:	Harvey:	reveals circulation of the blood.
	Snell:	studies light refraction.
1632:	Galileo's:	Systems of the world condemned by Inquisition.
	Torricelli:	barometer.
	Guericke:	air pump.
1636:	Harvard founded.	
1640:	France flourishes under Louis XIV.	
1658:	Huygens develops wave theory of light.	
	Philosophers:	Hobbes and Locke.
	Writers:	Dryden and Defoe.
1660:	Royal Society:	Incorporated, called hostile to religion.
1687:	Sir Isaac Newton:	Principia Matematica. (1643-1727)
		Theological skepticism grows.
	Gabriel Fahrenheit:	perfects thermometer. (1686- 1736) German physicist
1701:	Yale founded.	
1736:	Euler:	founds analytical mechanics.
1738:	Bernoulli:	poses molecular theory of gas.
1745:	Leyden jar developed.	
		Mathematics, materialism pervade physics.
1752:	Franklin:	Draws atmospheric electricity to conductor.
	British	Colonizes widely.
	Watt:	Improves steam engine.
	Philosophers:	Kant, Rousseau, Bentham.

1766:	Cavendish:	Discovers hydrogen.
1773:	Montgolfier brothers	raise balloons.
1789:	U.S.	Adopts Constitution.
	Priestly:	discovers oxygen.
	Legrange:	Mechanique Analytique.
1790:	Lavoisier:	Finds oxygen supports combustion, founds modern chemistry
	Benjamin Thompson (Count Rumford) proves mechanical theory of heat.	
	The Philosophical Magazine founded.	
1800:	Industrial revolution sweeps textile industry.	
	Physics:	much correlation of apparently diverse phenomena.
1801:	Young:	discovers interference of light.
1808:	Dalton:	founds modern chemical atomic theory.
1811:	Avogadro:	develops kinetic theory of gases.
1812:	Laplace:	devises probability theory.
1819:	Oersted:	discovers electromagnetism.
1823:	Monroe:	Doctrine.
	Ampère:	finds laws of electrodynamics.
1824:	Carnot:	mathematically analyzes steam-engine cycle.
1825:	Legendre:	develops elliptical functions.
	Flowering on New England.	
	Conservation of energy.	
	Nicol's:	Prism.
1826:	Ohms law for electrical conductors.	
1831:	Faraday:	magnetically induces electric current.
1832:	Joseph Henry:	discovers electrical self-inductance.
1837:	Morse:	perfects telegraph.
1838:	Dana's:	system of mineralogy.
	Bessel:	measures distance to a fixed star.
1840:	Daguerre, Talbot:	introduce photography.
1845:	Faraday's:	electromagnetic wave theory of light.
1847:	Joule, Helmholtz:	energy conservation refined.

	Thomson (Lord Kelvin):	defines absolute temperature.
1850:	Foucault:	finds speed of light less in water than in air: discredits particle theory of light.
1851:	Perkin:	creates coal-tar dyes.
1856:	Helmholtz:	writes Physiological Optics.
1868:	Angstrom:	maps the solar spectrum.
1869:	Mendeleev, Meyer, Newlands find properties of elements are periodic functions of atomic masses, predict new elements.	
1871:	Darwin complies observations, data from all over the world, writes Descent of man.	
1873:	Maxwell's Electricity and Magnetism presents basic equations. English foreign affairs under Gladstone, Disraeli. Revolutionary movement in Russia.	
1876:	Bell perfects telephone.	
1877:	Lord Rayleigh's Treatise on sound.	
1879:	Edison's incandescent electric lamp.	
1887:	Michelson-Morley experiment demolishes ether theory. Balmer, Rydberg discover laws of spectral series.	
1895:	Marconi wireless. Röntgen discovers X-Rays.	
1896:	Becquerel discovers radioactivity. Boltzmann developes kinetic theory of gases.	
1898:	Pierre and Marie Curie discover polonium Po 84 and radium Ra 88.	
1900:	Matter and radiation, atomic structure, quantum theory, relativity were the key subjects. Planck develops quantum theory.	
1903:	Wright brother's plane flies. Fleming invents diode.	
1905:	Einstein proposes special relativity theory.	
1907:	Lumiere invents color photography.	
1908:	Onnes liquefies helium Freud founds psychoanalysis.	
1913:	Bohr suggest H atom model.	

Einstein completes general relativity theory.

1919: Aston detects isotopes.

1923: Debye, Hückel develop modern theory of solutions.

1924: Quantum mechanics.
Astrophysics.
De. Broglie suggests wave nature of atomic particles.

1925: Heisenberg's uncertainty principle
Schrödinger formulates wave mechanics.
Physics of solid state.

1926: Dirac systematizes quantum mechanics.

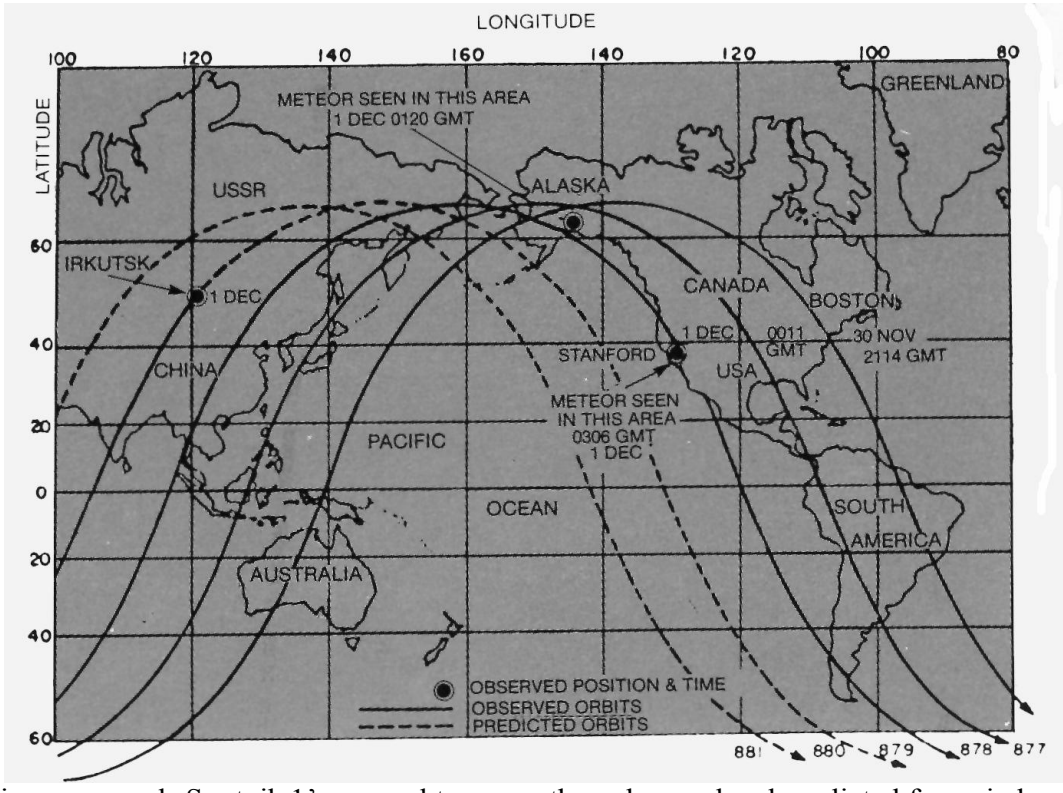
02.05.1932 John Roy Robert Searl born at Wantage, Berkshire.

1933: Fermi studies nuclear transformations.

1938: Hahn, Meitner, Strassman, Fermi open era of nuclear energy production.

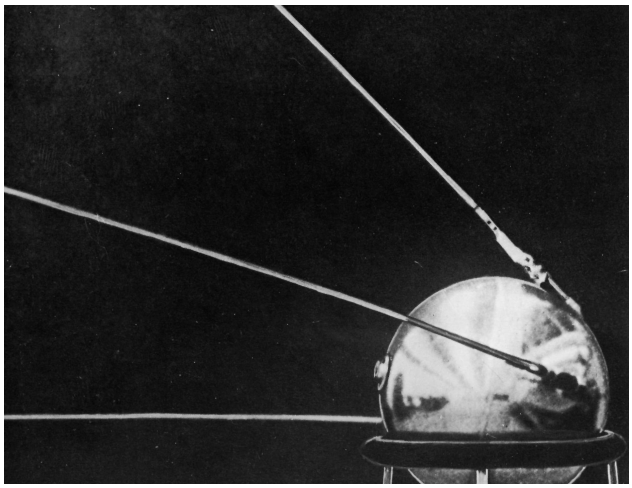
1957: First artificial earth satellites transmit pioneering data on outer space.
Masers and lasers provide intense beams of coherent radiation.

1957: It was the year that Space Flight became reality.



This map reveals Sputnik 1's ground traces as they observed and predicted for a six hour period on 1st December 1957, I was just 25 years plus 6 months and 30 days old and just 11 years into the 20.

S.E.G. studies: and been married for just 4 years. What a life still unaware of the importance of my work would become at that date.



This is my perception of Sputnik 1 structure must have appeared like to the human eye.

I expect many top brass of the USA government had stained underpants when they received the news that they were not the first into space; which they had been cock sure that they would be first. Experts again!

The Sputnik 1 satellite helped, by transmitting traceable signals, to provide data concerning the Earth's ionosphere.

The name 'Sputnik' means 'the simplest'

Do you remember how the USA vanguard satellite and rocket tried and tried, and failed.

76: On 4th October 1957, a bewhiskered sphere called Sputnik 1 was launched into earth orbit from the Soviet launch facility at Tyuratam.

Weighing 184 pounds, the gleaming metallic ball carried instrumentation designed to measure the density of the atmosphere and had a radio transmitter that allowed it to be tracked in its orbit; which had an average altitude of 300 miles.

The spacecraft continue to transmit for three weeks and remained in orbit for 96 days – fantastic!

77: This much heralded Soviet success was followed less than a month later by the launch of Sputnik 2 on November 3rd 1957.

Within a special pressurized sphere, the second spacecraft carried the dog Laika, who had the distinction of being the first living creature to survive in space.

78: Remote sensors monitored Laika's physiological reaction to the rigors of space travel and weightlessness until the oxygen in the sphere ran out seven days later and the poor creature expired.

79: As for Sputnik 2, it remained in orbit for 103 days and 2,370 orbits.

80: Saturday August 11th 2007: Fernando Morris my ***chief S.E.G***. engineer departed California heading for Thailand via Japan.

81: Sunday August 12th 2007: late evening received first picture of his arrival in Thailand HQ where his duties will be to check out equipment and instruct the new commander of the HQ how to manufacture the component parts of the S.E.G.

82: Monday August 13th 2007: This morning I received first lot of photos from Thailand:

Thailand Headquarters of the S.E.G. Research and Development sector: Satellite Company of S.I.S.R.C.W.W.

Our chief S.E.G. engineer stands before the gates of part of the complex. This is the kind of lathes to be used in the construction work of the S.E.G.

83: This story has hardly began, it is a living story of a boy who had dreams who made the effort to understand them and those who in faith gave their support which has now brought it to the stage that the marketplace is ready for it, from nothing to something is an amazing story of faith and determination against the world of hate, greed and ignorance.


The accommodation for the chief S.E.G. engineer Fernando Morris.



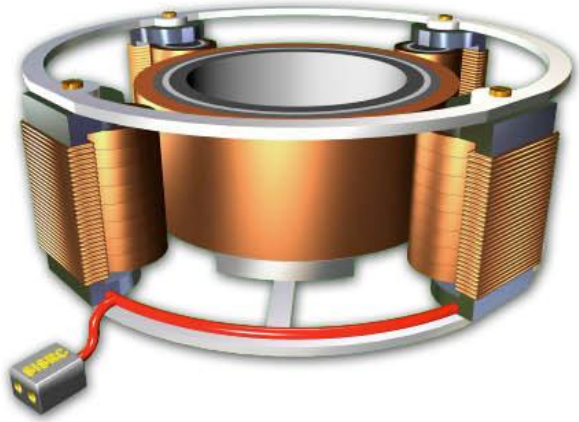


Here you see intervals of time recorded as it was, and what it takes to create this technology – space – manpower – equipment – time – hard cash and a concept. That is only the starters – main course you will see contained within this book.

5	11	2	12
14	0	9	7
8	6	15	1
3	13	4	10

1

Line = 30
Sum = 120
Step = 3



6	12	3	13
15	1	10	8
9	7	16	2
4	14	5	11

2

Line = 34
Sum = 136
Step = 3

18	24	15	25
27	13	22	20
21	19	28	14
16	26	17	23

3

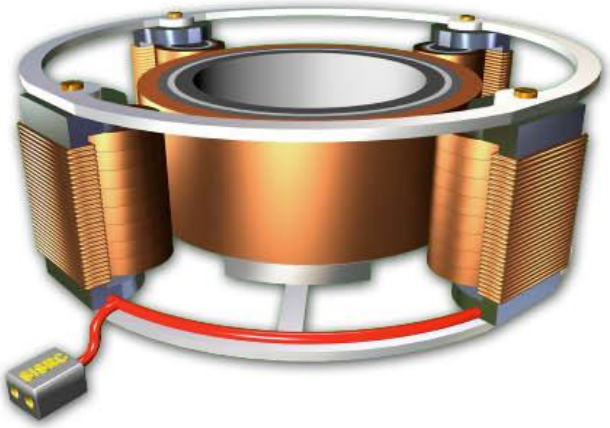
Line = 82
Sum = 328
Step = 3

84:

21	45	9	49
57	1	37	29
33	25	61	5
13	53	17	41

4

Line = 124
Sum = 496
Step = 12



26	56	11	61
71	1	46	36
41	31	76	6
16	66	21	51

5

Line = 154
Sum = 616
Step = 15

16	34	7	37
43	1	28	22
25	19	46	4
10	40	13	31

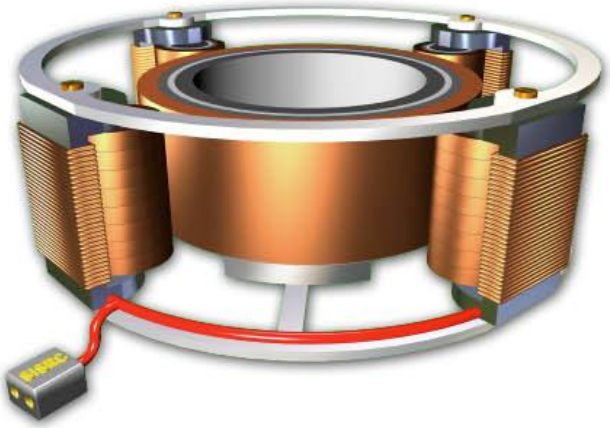
6

Line = 94
Sum = 376
Step = 9

28	58	13	63
73	3	48	38
43	33	78	8
18	68	23	53

7

Line = 162
Sum = 648
Step = 15



42	84	21	91
105	7	70	56
63	49	112	14
28	98	35	77

8

Line = 238
Sum = 952
Step = 21

88	178	43	193
223	13	148	118
133	103	238	28
58	208	73	163

9

Line = 502
Sum = 2,008
Step = 45

This is just one of the many ideas that I received through the post. I considered that much work had gone into this that I feel I should show you so you can see that publicity helps to create great minds to work as they were intended to do. That is to help to create those tomorrows for our children's sake.

August 14, 2007 at 0715 BST: Received three more photos from my chief S.E.G. Engineer now in Thailand, checking out equipment for the commencement of the S.E.G:

Upon this point: may I say thank you for your interest in this technology, until part 8 is release may the power be with you always.

Unfortunate I shall be in Israel from the 18th August 14, 2007, so no more parts will be release until my return from Italy on the 1st September 2007.

I shall depart for Italy of August 31st 2007. To check out site and to instruct the engineers as to what equipment will be needed to undertake this work.

I remain yours in the work to create a better world for all mankind regardless Prof. J, R. R, Searl.